TECHNICAL EDUCATION
QUALITY IMPROVEMENT PROGRAMME (TEQIP)
PHASE II

April 2015

INSTITUTIONAL DEVELOPMENT PROPOSAL
For Subcomponent 1.1: Strengthening Institutions to Improve learning outcomes and employability of graduates

Submitted through
Government of Andhra Pradesh

By

MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE
UGC-AUTONOMOUS
Affiliated to JNTUA, Anantapur & Approved by AICTE, New Delhi
Accredited by NBA for CSE, ECE, EEE & ME
World Bank Funded institute
Recognized by UGC under The sections 2(f) and 12(B) of the UGC Act 1956
P.B.No.14, Angallu, Madanapalle – 517 325,
Chittoor Dist. (A. P.)

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1.0 INSTITUTIONAL BASIC INFORMATION

1.1 INSTITUTIONAL IDENTITY

Name of the Institution : **MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE**

Is the Institution AICTE approved? : **Yes**

Furnish AICTE approval No : **730-50-266(E)/ET/1998**

Type of College : **Private unaided self-financing Institution**

Status of College : **U G C - Autonomous**

Affiliating University : **Jawaharlal Nehru Technological University Anantapur, Anantapuram**

Name of Head of the Institution & Project Nodal Officers:

Head & Nodal Officer	Name	Phone Number	Mobile Number	Fax Number	E-mail Address
Head of the Institution	Dr.C. Yuvaraj, Principal	08571-280255	9160020789	08571-280433	principal@mits.ac.in
TEQIP Coordinator	Dr. V. Ramachandra Prasad, Professor in Mathematics	08571-280255	9160020785	08571-280433	teqipcell@mits.ac.in
Project Nodal Officers for:					
Academic Activities	Dr. A. R.Reddy, Professor and Head, Electronics & Communications Engineering	08571-280255	9160020783	08571-280433	ecehod@mits.ac.in
Procurement	Dr. G. Harinath Gowd, Professor and Head, Mechanical Engineering	08571-280255	9160020782	08571-280433	mehod@mits.ac.in
Financial Aspects	Dr. D. Pradeep Kumar, Professor and Head, Management Studies	08571-280255	9160020787	08571-280433	mbahod@mits.ac.in
Monitoring and Evaluation Plan	Dr. K.V.R.B.Prasad, Professor and Head, Electrical and Electronics Engineering	08571-280255	9160020781	08571-280433	eeehod@mits.ac.in
Equity Assurance Plan	Dr. M. Sreedevi, Professor and Head, Dept.of Computer Science and Engineering	08571-280255	9160020784	08571-280433	csehod@mits.ac.in

1.2. Academic Information

Engineering UG and PG Programmes offered in Academic year 2014-15

S. No.	Title of Programme	Level (UG,PG,PhD)	Duration (Years)	Year of Starting	AICTE Sanctioned Annual Intake	Total Student Strength
01	Electronics & Communications Engineering	UG	4	1998	300	832
02	Computer Science Engineering	UG	4	1998	240	524
03	Mechanical Engineering	UG	4	1998	300	635
04	Electrical & Electronics Engineering	UG	4	1998	180	295
05	Information Technology*	UG	4	2007	60	59
05	Civil Engineering	UG	4	2014	60	59
	Total				**1140**	**2404**

S. No	Title of Programme	Level (UG, PG, PhD)	Duration (Years)	Year of starting	AICTE Sanctioned Annual intake	Total Student Strength
1	M.Tech. (CSE)	PG	2 Years	2007	36	63
2	M.Tech (DECS)	PG	2 Years	2004	36	52
3	M.Tech (CSE) II Shift*	PG	2 Years	2010	36	29
4	M.Tech (EPS)	PG	2 Years	2010	36	55
5	M.Tech(MD) II Shift	PG	2 Years	2011	36	32
6	M.Tech(AMS)	PG	2 Years	2012	36	33
7	M.Tech(VLSI & ES)	PG	2 Years	2014	24	21
8	M.Tech(SPS)	PG	2 Years	2014	24	18
9	M.Tech(MNE)*	PG	2 Years	2012	36	24
					300	**327**

*Department /program being wound up. Request for closure of the course submitted to AICTE

Total students (excluding MBA and MCA) is 2731

Details of Existing and Proposed PG Programmes

S No	Department	Up to 2010	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
1.	CSE	Computer Science Engineering [CSE]	Computer Science Engineering [CSE-I Shift] [CSE-II shift]	Computer Science Engineering [CSE-I Shift] [CSE-II shift]	Computer Science Engineering [CSE-I Shift] [CSE-II shift]	Computer Science Engineering [CSE-I Shift] [CSE-II shift]	Computer Science Engineering [CSE-I Shift] [CSE-II shift]	Computer Science Engineering [CSE-I Shift] [CSE-II shift]	Computer Science Engineering [CSE-I Shift] [CSE-II shift] Software Engineering* [SE]
2.	ECE	Digital Electronics & Communication Systems [DECS]	[Digital Electronics & Communication Systems DECS]	[Digital Electronics & Communication Systems [DECS]	[Digital Electronics & Communication Systems [DECS]	Micro & nano Electronics [MNE] [Digital Electronics & Communication Systems [DECS]	Micro & nano Electronics [MNE] VLSI and Embedded Systems [VLSI &ES] [Digital Electronics & Communication Systems [DECS]	Micro & nano Electronics [MNE] VLSI and Embedded Systems [VLSI &ES] Digital Electronics & Communication Systems [DECS]	Digital communication & Networking* Micro & nano Electronics [MNE] VLSI and Embedded Systems [VLSI &ES] [Digital Electronics & Communication Systems [DECS]
3.	EEE	--	Electrical power systems [EPS]	Electrical power systems [EPS]	Electrical power systems [EPS]	Electrical power systems [EPS]	Solar power systems [SPS] Electrical power systems [EPS]	Solar power systems [SPS] Electrical power systems	Power Electronics and Electric Drives* Solar power systems [SPS]

								[EPS]	Electrical power systems [EPS]
4.	ME	--	--	Machine Design[MD]	Machine Design[MD]	Advanced Manufacturing Systems [AMS] Machine Design[MD]	Advanced Manufacturing Systems [AMS] Machine Design[MD]	Advanced Manufacturing Systems [AMS] Machine Design[MD]	Virtual Prototyping and Digital Manufacturing* Advanced Manufacturing Systems [AMS] Machine Design[MD]
	Total	**2**	**4**	**5**	**5**	**7**	**9**	**9**	**13**

***proposed to apply**

Proposed PG Programmes of various departments with probable Industrial collaboration

S No	Department	Title of proposed M.Tech programme	Year of starting	Probable Associate industry
1.	ME	Virtual Prototyping and Digital Manufacturing	2016-17	Automotive manufacturers like Hyundai,Maruthi,Ford,Isuzu, TVS
2.	EEE	Power Electronics and Electric Drives	2016-17	General Elecric,Bosch
3	ECE	Digital communication & Networking	2016-17	Reliance, Wipro
4	CSE	Software Engineering	2016-17	Infosys, Wipro

Accreditation Status of UG Programmes:

Title of UG Programmes being offered	Whether eligible for accreditation or not	Whether accredited as on 31st March 2015	Whether "Applied for" as on 31st March 2015
Electronics & Communications Engineering	Yes	Yes	Yes
Electrical & Electronics Engineering	Yes	Yes	Yes
Computer Science Engineering	Yes	Yes	Yes
Mechanical Engineering	Yes	Yes	Yes
Information Technology*	Yes	NO	NO
Civil Engineering	No	No	No

* Department being wound up. Request for closure of the course submitted to AICTE

Accreditation Status of PG Programmes:

Title of PG Programmes being offered with specialization	Whether eligible for accreditation or not	Whether accredited as on 31st March 2015	Whether "Applied for" as on 31st March 2015
M.Tech. (CSE)	Yes	Submission of SAR in process	No
M.Tech. (DECS)	Yes	Submission of SAR in process	No
M.Tech (EPS)	Yes	Submission of SAR in process	No
M.Tech(MD) II Shift	Yes	Submission of SAR in process	No
M.Tech(AMS)	Not Eligible	NA	NA
M.Tech(VLSI & ES)	Not Eligible	NA	NA
M.Tech(SPS)	Not Eligible	NA	NA

1.3 Status of Faculty Associated with Teaching Engineering Students (Regular &Contract) as on March 31, 2014

Faculty Rank	No. of Sanctioned Regular Posts	Numbers in Position by Highest Qualification												Total Number of regular faculty in Position	Total Number of contract faculty in Position
		Doctoral Degree Holders				Masters Degree Holders				Bachelor Degree Holders					
		Engineering Disciplines		Supporting Disciplines (Physics, Chemistry, Maths and Humanities)		Engineering Disciplines		Supporting Disciplines (Physics, Chemistry, Maths and Humanities)		Engineering Disciplines		Supporting Disciplines (Physics, Chemistry, Maths and Humanities)			
		R	C	R	C	R	C	R	C	R	C	R	C		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14= (2+4+6+8 +10+12)	15= (3+5+7+9+11 +13)
Prof	26	16		9		0		0						25	-
Assoc Prof	46	8		0		15		3						26	-
Asst Prof	132	0		43		92		12						147	
Lec															-
Total	**204**	24		52		107		15						198	**-**
Total faculty	**198**														

R: Regular faculty, C: Contractual faculty

1.4 Baseline Data

S.no.	Parameters	
1	Total strength of students in all programmes and all years of study in the year2013-2014/2014-2015	2827/2954
2	Total women students in all programmes and all years of study in the year 2013-2014/2014-2015	948/1036
3	Total SC students in all programmes and all years of study in the year 2013-2014/2014-2015	253/265
4	Total ST students in all programmes and all years of study in the year 2013-2014/2014-2015	81/74
5	Total OBC students in all programmes and all years of study in the year 2013-2014/2014-2015	1157/1317
6	Number of fully functional P4 and above level computers available for students in the year2013-2014/2014-2015	260/450
7	Total number of syllabus Textbooks and Reference books available in library for UG&2013-2014/2014-2015	48940/50205
8	%of UG students placed through campus interviews in the year2013-2014/2014-2015	45/57
9	%of PG students placed through campus inter views in the year 2013-2014/2014-2015	38/40
10	% of High quality undergraduates(>75%marks)passed out in the year 2013-2014/2014-2015	21 /--
11	% of High quality postgraduates(>75%marks) passed out in the year 2013-2014/2014-2015	60/-
12	Number of research publications in Indian refereed Journals in the year 2013-2014/2014-2015	1/9
13	Number of research publications in International refereed Journals in the year 2013-2014/2014-2015	98/113
14	Number of Patents obtained in theyear2013-2014/ 2014-2015	-/-
15	Number of Faculty Registered & Pursuing Ph.D.	27
16	Number of Patents filed in the year 2013-2014/2014-2015	02
17	Number of sponsored research projects completed in the year 2013-2014/2014-2015	01
18	The transition rate of students in percentage from1st year to 2nd year in the year 12-13/2013-2014 for : (i) all students (ii) SC (iii) ST (iv) OBC	55.29/45.25 40.5/12.5 28.57/16.6 46.99/40.75
19	IRG from students fee and other charges in the year 2013-2014/2014-2015 (Rs. In lacs)	1734/1950(approx.)
20	IRG from commercialization of R&D products, consultancy & othersourcesintheyear2013–14/2014-15 (Rs.in lakh)	66.57/65.65
21	Total IRG in the year 2013-2014/2014-2015 (Rs.in lakh)	1800.57/2015.65
22	Total annual recurring expenditure of the applicant entity intheyear2013-2014/2014-2015 (Rs.inlakh)	1646/1528(approx.)

2. Institutional development proposal (IDP)

2.1 Executive Summary of the IDP

Madanapalle Institute of Technology and Science (MITS) is an UGC-Autonomous institution that was established in 1998 in the picturesque and pleasant environment of Madanapalle and is ideally located on a sprawling 30 acre campus. It has a resort like atmosphere, which is refreshing and exhilarating at the same time.

The institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the student fraternity. MITS enjoys constant support and patronage of NRIs with distinguished academic traditions and vast experience in Engineering & Technology. The college is 16 years old offering employment oriented UG and PG programmers. The college is ranked as one among the top 25 engineering colleges in Andhra Pradesh by careers360 with an overall ranking as one of the best among the engineering colleges with strong brand equity. The management spares no effort in developing the institution as one of the best centers of academic excellence. The UG courses such as Electronics and communication Engineering [E.C.E], Computer Science Engineering [C.S.E], Electrical and Electronics Engineering [E.E.E] and Mechanical Engineering [M.E.] are accredited by NBA. The College is awarded ISO 9001:2008 certification for the quality policies it is implementing. The campus comprises of aesthetically designed buildings that are networked by Wi-Fi technology. The institute is equipped with modern workshops & labs, computer and internet facilities, seminar halls, well equipped library and sports facilities that provide an excellent learning environment for the students. MITS offers UG, PG and Ph.D. courses in Electronics and Communications, Computer Science, Information Technology, Civil, Electrical & Electronics and Mechanical Engineering. MITS also offers MBA & MCA programs. A few of its important features include the following:

- Attained UGC-Autonomous Status from the academic year 2014-15
- Wi-Fi enabled campus
- Subscription to online international e-journals like Science Direct, Springer J-gate, Elsevier, IEEE and ASTM
- Established smart class room for online lectures like QEEE,NPTEL,Stanford,MIT,IUCEE and Webinars
- The faculty members are sponsored for presenting research paper(s) in India and also for attending conferences/seminars/ training/STTPs
- Technical/Non-teaching staff are deputed for training to enhance their technical skills/knowledge
- Several conferences/workshops/seminars/symposia are regularly conducted by various departments independently and also in co-ordination with network partner institutions
- Several Community Service programs are conducted.
- The Engineering Faculty Development Centre invites Resource persons (personalities of eminence) to orient the faculty members in the fields of teaching, research and consultancy.

Boosted by the financial support provided by the TEQIP phase II program, the college continued to encourage the academic, research and staff development activities. Further, considerable increase in the following activities is achieved during the funded period:

- Conference papers published in both national & international conferences held in India
- Conference papers published in international conferences abroad
- Conference papers published in refereed national journals
- Conference papers published in refereed international journals
- Student papers published both by UG & PG students
- Seminars/Symposia/conferences/workshops/training programs/summer schools conducted
- Extension lectures organized
- Industrial visits organized
- Continued the subscription of online international electronic library as per AICTE mandatory journals

Based on experimental learning experience, learning and strength gained during the TEQIP Phase-II and its continuation even after its completion, MITS proposes to actively participate in the Phase-II [extension] of Technical Education Quality Improvement Programme with a view to achieve higher excellence and contribute to the national cause.

Specific objectives under TEQIP-II:

- To start New PG Programmes [from the academic year 2015-16] in the demand driven disciplines
- To get Accreditation status for PG Programmes & re-accreditation for UG Programmes.
- To provide skill development training for technical, administrative and supporting staff for better skills.

The specific objectives of MITS for the project period are:

- *Faculty training in cutting edge areas:* In this direction, Institution will encourage its faculty to utilize TEQIP so that institution will have sufficient Ph.D's by the end of 2016. In this direction already 27 faculty of our institution are registered for Ph.D. MITS plans to encourage existing faculty to utilize TEQIP facilities to acquire their Ph.D. in cutting edge areas. The faculty would be encouraged to receive training in cutting edge areas across the country to that the best inputs would be provided to the students.
- *To encourage faculty participation in conferences/ seminars /workshops /training programs/STTPs*
- *To start need based/ demand driven P.G. Programmes:* MITS is proposing to start 4 new M.Tech programmes by the end of 2016. Currently the institution is in touch with leading industries and institutions of higher learning to finalize its proposal.
- For starting new PG programs, proposals were invited from the departments. The proposals were scrutinized by a high level external expert committee consisting of eminent academicians. Based on

the merits, demand and sustainability of the program, the following proposals have been recommended.

S.No	Department	Title of the PG programme
1	Mechanical Engineering	Virtual Prototyping and Digital Manufacturing
2	Electronics & Communication	Digital communication & Networking
3	Electrical and Electronics Engineering	Power Electronics and Electrical drives
4	Computer science Engineering	Software Engineering

- To Increase the intake in the existing PG programs and PhD enrolments collaborating jointly with industries and other institutions with a view to help the students to get exposed to academic and industrial challenges
- *To train undergraduate students to become professionally competent:* MITS seriously plans to improve its current placement percentage (45%) to at least 85% in phased manner by the end of 2016. For this purpose the Institution is planning to develop the existing placement office with related database, infrastructure and man power. To conduct regular entrepreneurship development programs and to motivate / support interested candidates to utilize infrastructure of the Institution for the design, development and testing of innovative ideas.
- *To facilitate and improve slow learners to cope up with the regular students:* For this purpose our Institution plans to give additional coaching and training to the academically weak students, by conducting remedial classes.
- *To set up a mechanism for regular training programs to its faculty to improve technical and pedagogical skills, senior faculty to improve their administration capabilities and staff to improve their technical & administrative skills*.
- To establish state of the art laboratories in collaboration with premier institutes, industries and R&D organizations.
- To upgrade the existing laboratories with state of the art equipment, establish new centers for research in the areas of advanced materials and testing, non-renewable energy, building materials, composite materials, power electronics, power systems theoretical and computational methods, communication systems etc.
- *To promote funded research projects:* It is aimed to have at least 50 funded research projects. In this direction, MITS plans to publish at least 120–150 papers in SCI/Scopus Indexed journals.
- *To regularly organize conferences & symposia.*
- *To encourage teaching and non teaching staff to upgrade their knowledge in areas of relevance:* MITS plans to depute teaching and non-teaching staff from each department to leading Institutions of higher learning for this purpose. In addition, MITS plans to invite experts from reputed institutions, industries and R&D centers. MITS is recognized as a skill development center by Andhra Pradesh state skill Development Center [APSSDC]. Through this MITS enhances the

technical and professional skills of students to increase their employability. We plan to give professional training for students in foreign languages like Japanese, French, German and Spanish also.

- The Institution is planning to establish a Training centre (finishing school) to provide extra coaching classes, personality development and career guidance for improving the employability of SC/ST/OBC/academically weak students.
- The project is planned for hand holding for two years by the government and gains some momentum for sustainability thereafter.
- *To increasing the stock of :*

- Provision of a large number of teaching and research assistantships for Master's and Doctoral Programmes. This is expected to increase admissions to PG programmes of those who cannot secure a scholarship/fellowship in GATE.
- Expansion of Master's Degree opportunities through introduction of new programmes and increasing seats in the existing ones.
- Joint PG progarmmes with other institutions and industries
- Making it compulsory to the existing faculty for qualification up gradation either in the parent institution or at other institutions
- Intensive pedagogy training for faculty

- *To enhance consultancy / development activities for technology services to industries and society at large in and around Chittoor Dist:* Institution plans to develop infrastructure and expert manpower in the region to address the needs of bio conservation and Energy Management.
- *To involve every member in the Institution to participate in programs of social relevance*: MITS adopted Angallu village near the institute under smart village development concept initiated by A.P. state government. Institution plans to conduct programs of social relevance for socially and economically weaker sections.
- *Modernization of laboratories:* It is planned to modernize and enhance capacity in 5 PG laboratories of the Institution.
- *Creation of new laboratories:* It is planned to create 14 new PG laboratories in cutting edge areas.
- To upgrade the existing centralized library and establish the digital library.
- During academic years 2015-16 MITS is planning to admit a minimum of 30 full time Ph.D. scholars and to give them scholarship under TEQIP-II along with 100 PG Scholarships

The targets to be achieved by this proposal, at the end of TWO years are as follows:

- Starting Research centre in every engineering department and taking up outcome based research.

- Plan to start new P.G. programmes in Computer Science Engg, Electrical & Electronics Engg, Electronics & Communication Engg, and Mechanical Engineering based on Industry needs during the years 2015-2016 and 2016-2017.
- Improving the pass percentage of students from 80% to 90%
- Improving the percentage of high quality graduates from 21% to 40%
- Improvement in the student placement through campus interviews from 45% to 85%
- To increase the research publications in International referred Journals to over 200.
- To increase the research publications in SCI/Scopus indexed Journals to 150.
- Establishing finishing School for improving the employability of SC/ST/OBC/academically weak students.
- To increase transition rate of students from 1^{st} year to 2^{nd} year in UG programmes to 90%.
- Increase in M.Tech enrolment from present 70% to 100%
- Increase in full time Ph.D. enrolment by 100%
- During Academic year 2015-2016 MITS is planning to admit 30 full time Ph.D Scholars and to give them scholarship Under TEQIP-II
- Increase in IRG through R & D projects, Consultancy and other sources from 107 Lakhs to 300 Lakhs.
- Faculty and staff to undergo training in identified domain areas, pedagogy, research area and soft skills.
- Obtaining re-accreditation for all eligible U.G. courses and accreditation for all eligible P.G. courses.
- The project was prepared by considering all the above facts and the project budget was prepared to achieve the specific targets and goals to make the institute a centre of higher learning.

Sl. No.	*Project Item Description*	*Fund Requirement (In Lakhs)*	
		2015-16	*2016-17*
1	Infrastructure improvement		
	a) New Laboratories for Existing PG programmes	12	10
	b) Laboratories for New PG Programmes	00	25.53
	c) Furniture		
	d) Books and Learning Resources and software	40	20
	e) Minor Items (LIB)	3	2
	f) Consultant services	11	11
2	Teaching / Research Assistantships	133	155
3	Faculty and Staff Development	60	28.06
4	Enhanced Industry Institute Interaction	25	15
5	Institutional Management Capacity Enhancement	5.9	3.0
6	Implementation of Institutional Reforms	15	15
7	Academic Support for Weak Students	12.7	7.3
8	Incremental operating Cost	20	14.425
	TOTAL	**337.6**	**306.315**

2.0 Institutional Vision and Mission and Guiding Values

2.1 Vision and Mission

VISION: Madanapalle Institute of Technology and Science will participate with dedication and moral earnestness in creating a large human resource potential comprising skilled, trained and competent individuals with high motivation to meet the present day challenges from society.

MISSION: The mission of MITS is to create humanist, rational young graduates with scientific temperament and a deep sense of commitment. They are expected to work for the welfare of all sections of society to protect and develop the rich environment of the area as well as the cultural, intellectual and political traditions of our mother land.

GUIDING VALUES:

The guiding values of MITS are to promote:

- *Knowledge* that leads to global as well as individual transformations
- *Access* to excellence
- *Openness* to the world of ideas and urban and global change
- *Excellence in every facet of intellectual life and in the physical, cultural, developmental environment that sustains academic achievement*
- *Collaboration* in scholarship, problem-solving and innovation

Mandates Impacting the College

- Jawaharlal Nehru Technical University (JNTU, Anantapur)
- State Board of Technical Education, Andhra Pradesh
- All India Council for Technical Education[AICTE]
- University grants commission [UGC].

2.2. SWOT Analysis

2.2.1 Methodology, Analysis and Inferences:

Methodology: As a part of complete strategic planning exercise, MITS conducted a comprehensive SWOT–Analysis in the institution by external professors, with the involvement of Principal, HODs, all Faculty members, Technical Staff, supporting staff, 100 Students (undergraduate) in two batches, PG students, Ph.D. students, alumni, parents, and industry personnel. Teams were set up with each of the groups listed above and separate brainstorming sessions were carried out with each group. SWOT was conducted by facilitators who explained about the purpose of the exercise to create congenial atmosphere for free flow of information and sharing of views. The participants were

informed about significance of their participation in this exercise and how important it is for them to be candid, open and participatory. The process, which stretched over a period of two weeks, involved multiple sessions with the faculty, non-teaching staff, working sessions with heads of divisions and senior staff, sessions with representatives of the student body, and interviews with Parents, Alumni, Employers, and representatives of general public of Madanapalle Town.

Information/Data Collection and Analysis: It was an extensive and collective reflection process on factors like-

i. ***Human Resources***- Faculty, Technical, non-technical and other staff

ii. ***Infrastructure & Facilities*** - Buildings, Laboratories, Machinery, Equipment, Vehicles, Hostels, Furniture etc.

iii. ***Processes*** - Governance, Management & Administration, Curriculum Development, Teaching-Learning Process, and Student support Services & Staff Development, Communication, Management Information Systems(MIS)

iv. ***Products & Services***–Students (intake, pass percentage, skills levels, placement percentage), Publications, Consultancy

The meetings conducted at length with all possible stake holders have helped us find out the answers which were framed meticulously to arrive at the **S**trengths, **W**eaknesses, **O**pportunities and **T**hreats of the institution.

The SWOT analysis was conducted using the process described above in two components

- An internal assessment
- An external assessment

The outcome of the SWOT Analysis is as follows:

STRENGTHS:

S.no	Key Strengths identified are as follows:
S1.	**Vintage of the college** – The college is 16 years old offering employment oriented UG and PG programmes. The college is ranked as one among the top 25 Engineering Colleges in Andhra Pradesh with an over-all ranking as one of the best among the engineering colleges in the Rayalaseema region with strong Brand equity.
S2.	**Strategically located**- Set up in a picturesque, Horsley Hills area (Ooty of AP) and pleasant atmosphere near the border of AP, Andhra Pradesh &Tamil Nadu and has vicinity to Industrial towns and IT hubs like Bangalore and Chennai.
S3.	**Visionary Management -** To take the Institution to highest levels of quality. The college is promoted by eminent Educators, Technocrats and Entrepreneurs. Good governance in place.
S4.	**Well defined Goals and strategically designed Standard Operating Procedures** for Institute's Development in a timely fashion.

S5.	**Qualified, Devoted & Experienced Human Resources -**Departments are headed by well qualified and experienced Professors.
S6.	**Quality Certification**- The institution is awarded with ISO certification. Four UG programs are NBA Accredited. The College has been awarded Autonomous status by UGC
S7.	Students are from different parts of the Country leading to **Diversity and Progressive Culture**
S8.	**Good Infrastructure & Learning Facilities** – Civil infrastructure like buildings, class rooms, auditorium, good hostel facility for boys & girls; sufficient land, strong power back-up, excellent sports facilities and learning facilities like well-equipped laboratories, high end PCs, 24*7 Internet Connection with Wi-Fi in the campus, good library Facilities are sufficient for present requirements.
S9.	**R&D Centre** is established in the college.
S10.	**Institutional Support to the students-** Language Laboratory; Entrepreneurship Development Cell; Good placement and training programme is in place. College offers value added courses to enhance employability of the students. Scholarship for Meritorious SC/ST/OBC and other Economically Backward Students. Students are given awards and rewards for merit achievements. A good system of ongoing student performance evaluation and counseling for weak students is in place to ensure high pass percentage and merit levels.
S11.	**Active involvement of Students'** Chapters (IEEE, ISTE, IETE etc.) in organizing Technical Seminars/Workshops/Conferences/Symposiums round the year. The college conducts regular seminars, IUCEE, DST and TEQIP conferences & certification courses. The departments and the students are members of several professional societies like IEEE, ISTE, and IETE.
S12.	**Alumni** are in coveted positions both in India and abroad.
S13.	**Institutional Support to the faculty -** There is substantial support and encouragement by the management to faculty for participation in seminars and conferences to improve their knowledge, along with the support for qualification up-gradation. Management supplements the administrative work of the faculty and does not over burden them. Performance based promotions & increments are being offered.
S14.	**Open Course Ware** - College is contributing to Open Education using OCW. It is a part of TPED Consortium under OCW. The library provides digital access and connectivity to the lectures of MIT, Stanford, Caltech, IIT, IISc etc., and e- journals.
S15.	**Industry collaboration**–The college entered into MoU with both public and private sector companies for faculty/executives exchange to share the experiences leading to R & D, consultancy and better class room teaching. Senior engineers of the industry are included in academic boards for framing the course structure and syllabus. Students internships/project works are arranged in collaboration with industry
S16.	**IUCEE Collaboration -** Institution is a member of Indo-US collaboration of Engineering Education, for conducting and participating in workshops conducted by US Academic Experts.
S17.	**Modern Teaching Aids and Resources** in Class Rooms, Laboratories and Library. Existing labs, machinery, equipment and other facilities are good. Communication lab, micro-processor lab, LCD's, audio-visual equipment and licensed software are upgraded. A number of dedicated computers with internet facilities for faculty and Sufficient volumes are available in department library facility.

WEAKNESSES:

W1	Faculty with Ph.D. Qualifications - There is lack of Doctorates in engineering departments. Induction of more qualified senior faculty with Ph. Ds can improve the quality of the faculty in general. It will further strengthen faculty mentoring for research work and project consultancy.
W2	Specialized Trained faculty for effective teaching and skilled Supporting Staff are required. Periodic training programmes for faculty in pedagogy and communication skills can bring desired quality improvements in faculty delivery and outgoing student quality to enhance quality output which enables wider job opportunities and placements for students.
W3	Quality of the Incoming Students. As the students come through centralized admission system, with quota based reservation system, there is a wide gap in their learning abilities.
W4	E-Learning: E-learning is the use of electronic educational technology in learning and teaching. The college is to implement E-learning practices in a big way. MOOCs global learning methodology is to be inculcated among the faculty and students. The human resources development ministry launched the Study Webs of Active Learning For Young Aspiring Minds (SWAYAM) in which the institute is willing to take part.
W5	Additional Support to the academically weak Students. Poor communication skills in English between faculty and students is affecting academic ability and employment prospects of students. Communication skills to be improved for students coming from rural background. No expertise in training for further tests like GRE, GATE, CAT, GMAT etc.
W6	Employability of the Students and Placement Opportunities and support for them. Exposure of faculty and students to industry requirements needs to be improved with targeted focus for better placement and employability. The number of sessions conducted for campus placement and career counseling for students are not proportionate to the student strength.
W7	Level of Institute-Industry Interaction and Level of Industrial Consultancy and Research activity by Staff & Students needs improvement. Industry-Institute tie ups are inadequate.
W8	Inadequate Interaction with Alumni.
W9	R D& I, Research development and innovation in the overall academic performance is weak and only a very few patents are filed. R&D cell is proposed in each department.

OPPORTUNITIES:

	Opportunities identified are -
O 1	Learning opportunities for the students, faculty and staff utilizing the scope for improvement and advances in Information Technology. Nurture and retain qualified faculty to build reputation and status of the college. Prepare students for competitive advanced skill tests like GRE, GATE, and TOFEL to secure admissions for higher studies all over the globe.

O 2	Industry Institute partnership MOU's with nearby companies for research projects, Consultancy services can be revenue generating opportunity. Undertake research in advanced technology areas in collaboration with industry for new product development and services. Develop and strengthen Industry Institute Interaction for better placement and R&D.
O 3	Starting new PG Courses by setting up dedicated Research Labs with latest equipment and facilities since technology is changing day by day and technical research papers in niche areas are in high demand. Provide opportunities and facilities for students to learn knowledge content beyond syllabus.
O 4	Student and Faculty exchange programs with national & international Institutes and Universities
O 5	Enhancing research activities through sponsored R & D projects from AICTE, DST, UGC DRDO, BEL, ISRO, HAL, etc. Open external research guidance for faculty qualification improvement programmes. Expand key technology areas to become trend setters and leaders in specific areas.
O 6	Provide technical expertise to society and community since Industry/Government's thrust is on IT/Bio-technology/Eco-friendly projects etc. A potential to develop engineering consultancy services to provide local industry with knowledge and resource base for addressing industry problems. The region is the 2nd largest producer of tomatoes in India which is 40 kms around MITS campus. College can help provide research support and establishment of industry to help the farmers.
O 7	Participation in providing service and solutions like Setting up Hi-Tech parks and Implementation of e-governance Projects (in MadanapalleTown/ Chittoor District). Develop trained and qualified faculty to become industry trainers.
O 8	Have good interaction with alumni for better placement of outgoing students.
O9	Publication of research papers by students and faculty in reputed national and international journals giving advantage in career placement and progress.

THREATS

	Main threats identified are -
T 1	Proliferation of technical institutes across the country affecting 'quality of student intake'. Entrance of other private and foreign universities can lead to unequal competition in terms of resource and reputation.
T 2	Competition from other Foreign Universities leading to low quality of student intake and faculty attrition. Increased number of engineering colleges in the state has created tough competition among the colleges for optimum no.of students. Deemed universities enrollment has increased tremendously thereby affecting optimum admission profile. This can also lead to faculty dispersion causing loss of expertise of senior and qualified faculty to other institutes offering better pay, perks and privileges. Entrance of other private and foreign universities can lead to unequal competition in terms of resource and reputation.
T 3	Lucrative opportunities in companies like MNCs / SMEs leading to 'faculty attrition'
T 4	Uncertainties in employment opportunities for the students. Present political situation is affecting the existing academic schedule of the college and the industrial migration is affecting the placement prospects.
T 5	College needs to match fast changing technology needs, thereby affecting placement of passed out students. Faculty not up-to date in latest and emerging subject areas, therefore not able to develop projects /assignments for students in emerging technologies. Inability to meet the required industry and market demands for better skilled students.
T 6	Constantly shifting choice of disciplines is creating imbalances to optimize use of resources in terms of both men and materials (faculty, infrastructure and other facilities).

Summary of SWOT:

Being located in a remote backward Rayalaseema area of Andhra Pradesh, the institution strives to impart technical education to the student community and disseminate professional knowledge among the local people. Faculty members are motivated and working towards academic growth and student development. Management has delegated academic, administrative, accounting and financial powers at appropriate levels for efficient functioning of the college. Qualification improvement programmes of the faculty are encouraged and supported to the extent possible with emphasis on acquiring higher education through research work. Most of the faculty members are keen to go for further studies to improve their qualification. The library and computer centres have to be improved with subscription to more e-journals and supplement with physical volumes. There is no much Research activity being undertaken by the faculty due to inadequate research orientation and insufficient funds. Training & Placement activities are not in proportion to the strength of the institute. Inadequate computer facilities with limited internet connectivity are affecting the students in updating their technical knowledge. Weak linkage with industry is hindering industry oriented training and placements. Absence of minor and major R&D projects is affecting support for UG & PG projects.

There is good scope for starting interdisciplinary academic programs, which is possible once autonomy is obtained. Introducing job oriented short term certification programs in association with industry, can improve the employability of students. Teachers are to be encouraged to undertake research, research projects to keep them up to date in cutting edge technologies. There are opportunities for introducing soft skill/personality development programs by expertise from outside. Employment and higher education opportunities can be enhanced with the support of alumni who are well placed. Industries with 4 PG departments, there is a need to increase research activities and establish centre for excellence. Collaboration with premier academic institutions and industries can improve scope for training and R&D. Recruitment and retention of experienced, qualified faculty and trained employees is posing threat as more opportunities become available in other institutes.

2.2.2 Strategic Plan for institutional development based on SWOT Analysis:

The Institution based on the present situational analysis, and the SWOT analysis conducted involving all the stake holders, has prepared a detailed strategic plan to be implemented in the coming five year period. The process of preparing the strategic plan has helped the institution to focus on the key issues facing the institution that need to be addressed to emerge as providers of quality education that meets world standards and there by helps us achieve our vision. It has become clear that there are certain areas of improvement to be taken care of; threats to be mitigated by leveraging the existing strengths and utilizing the opportunities. Keeping this fact in view, a dynamic strategic plan has been prepared for five year period with built in flexibility. The strategic plan will address some of the critical performance issues, and key result areas and create a right balance between what the institution is capable of doing versus what the institution would intend to do. The strategic plan developed by the institution is aimed to fulfill the requirement of the provisions

of TEQIP-II Sub- Component 1.1 as provided in the Project Implementation Plan. To reach the desired state of development from the current state, the institute has come up with a set of objectives, strategies and action plans. Each strategy intern consists of defined set of key activities and results expected thereof. In the whole exercise we made an attempt to analyze where we are, what we want to be, how we will bridge the gaps and how we will monitor our progress and take corrective actions along with sharing responsibilities, guiding decision making at all levels with accountability.

The strategic direction and the objectives broadly reflect the following thrust areas:

- Strengthening the institution in terms of academic and management capacities
- Improving faculty & support staff qualifications and competencies and achieving the above improvements leading to the following key outcomes
    - Improved learning among students
    - Increased employability of students
    - Overall Institutional progress

The following Objectives have been identified –

a. To improve the learning outcomes and competencies of the students
b. To improve the employability of the students
c. To strengthen the faculty development activities in terms of effectiveness in teaching, subject area and research competencies
d. To improve the functioning of technical and other support staff through training
e. To provide additional infrastructure and to modernize the existing infrastructure to strengthen the teaching- learning process
f. To achieve Deemed/Private university status.
g. To achieve benchmark institution status within 2 years of extension of the project in academic research and students competencies.
h. Achieving accreditation of all the eligible UG and PG programmes by the end of the Project
i. To strengthen the Institute – Industry interaction
j. To continue academic and non-academic reforms
k. To enhance research and consultancy activities

To achieve each of the above goals and strategies, key activities are identified. These plans and activities would be implemented through a combination of internal and external resources, over the project period.

To ensure effective implementation of the strategy, there would be major emphasis on continuous monitoring and evaluation. Key Result Areas (KRAs) and Performance Indicators would be established and would be monitored by a management structure consisting of the Board of Governors (BoG) and various committees under it.

Based on SWOT analysis, the following action plans are envisaged:

1. Strengthening of PG programs
2. Development of R&D activities through networking
3. Establishment of Centre of Excellence in new emerging areas
4. Starting new courses in collaboration with Industries and National Laboratories, private institutions in cutting edge technologies
5. Increase in networking with Indian and Foreign universities
6. Enhancing of faculty & staff skills through continuing training (perpetual learning)
7. Enhancement in internal revenue generation [IRG] through consultancy
8. Fellowships to UG/PG students to encourage research activities
9. Encouragement of industrial training/internship among students
10. Enhancing the existing laboratory facilities/resources to meet the industry requirements
11. Creating awareness about the availability of Resources to the students and faculty for optimum utilization of these resources

Strategic Plan Summary:

S.no	General Objective	Specific Objectives
1.	**Strong academic and management capacities**	▪ To obtain Deemed/Private university status ▪ Achieving accreditation of PG programmes by the end of the Project. ▪ To continue academic and non-academic reforms.
2	**Improved faculty & support staff qualifications and competencies**	▪ To strengthen the faculty development activities in terms of effectiveness in teaching, subject area and research competencies. ▪ To improve the functioning of technical and other support staff through training.
3	**Improved learning among students**	▪ To improve the learning outcomes and competencies of the students. ▪ To improve the first year transition rate. ▪ To provide additional infrastructure and to modernize the existing infrastructure to strengthen the teaching- learning process.
4	**Increased employability of students**	▪ Improvements in the placement rate and the average salary of placement package.
5	**Overall Institutional progress**	▪ Increasing the number of students registering for Doctorial programs ▪ To enhance research, development, innovation and consultancy activities. ▪ To strengthen the Institute – Industry interaction.

		▪ To maximize P.G. assistantship during project period. ▪ To maximize Ph.D scholarship for full time registered candidates as institution is recognized by the university as a research center

2.2.3. Key activities proposed in the institution development Proposal linked with the results of SWOT Analysis.

Key Activities & Mapping to SWOT

	Objective	Key Activities in the Project	Link to SWOT			
			S	W	O	T
a.	**To improve the learning outcomes and competencies of the students**	▪ Infrastructure Improvement for teaching, training, and learning facilities ▪ Academic support to weak students ▪ Modernization of Classrooms ▪ Updating of Learning Resources ▪ Modernization and strengthening of libraries and increasing access to knowledge resources ▪ Improving the effectiveness of teaching	S3 S5 S8 S10 S11 S17	W1 W2 W3 W4 W5 W7	O1 O3 O4	T1 T2 T3
b.	**To improve the employability of the students**	▪ Academic support to weak students ▪ Modernization of Classrooms ▪ Updating of Learning Resources ▪ Modernization and strengthening of libraries and increasing access to knowledge resources ▪ Training on non-academic skills ▪ Improved interaction with the industry ▪ Establishment of a Finishing School and Placement Cell ▪ Strengthening the Alumni Network and Interactions	S3 S5 S7 S8 S10 S11 S12 S17	W1 W2 W3 W4 W5 W6 W7 W8	O1 O2 O4	T1 T2 T3 T4
c.	**To strengthen the faculty development activities in terms of effectiveness in teaching, subject area and research competencies**	▪ Training Needs Analysis (TNA) ▪ Qualification Up-gradation. ▪ Subject knowledge and research competence Up-gradation. ▪ Participation in Seminars, Conferences, Workshops, etc ▪ Updating of Learning Resources ▪ Modernization and strengthening of libraries and increasing access to knowledge resources	S3 S8 S9 S17	W1 W2 W4 W5 W6 W7	O1 O3 O4	T2 T3

	Objective	Key Activities in the Project	Link to SWOT			
			S	W	O	T
d.	**To improve the functioning of technical and other support staff through training**	▪ Training Needs Analysis (TNA) ▪ Providing technical and non-technical training ▪ Updating of Learning Resources ▪ Modernization/Improvements of supporting Departments.	S3 S8 S17	W4	O1	
e.	**To provide additional infrastructure and to modernize the existing infrastructure to strengthen the teaching- learning process**	▪ Modernization and strengthening of laboratories and establishment of new laboratories for existing UG or new PG programmes ▪ Procurement of Furniture ▪ Establishment/Up gradation of Central and Departmental Computer Centre. ▪ Modernization/Improvements of supporting Departments ▪ Modernization and strengthening of libraries and increasing access to knowledge resources	S3 S17	W4 W5	O1	
f.	**To achieve Deemed university status within 2 years**	▪ To obtain permanent affiliation from JNTU (received recently) ▪ Bettering the Student to Staff ratio ▪ Providing the Labs with latest equipment ▪ Improving Student Quality ▪ Applying to UGC through the Govt of Andhra Pradesh after fulfilling the given norms	S1 S3 S4 S6 S8 S9 S17	W1 W2 W3 W4 W5	O3 O4	T1 T2 T3
g.	**Achieving Re- Accreditation of the UG- program and Accreditation of the all eligible PG Programs by the end of the project**	▪ Applying for NBA for the eligible programs to be accredited ▪ Qualified Professors ▪ Bettering the Student to Staff ratio ▪ Introduction of Governance Reforms ▪ Strengthening teaching – learning mechanism by adopting Outcome Based Education	S1 S3 S4 S6 S8 S9	W1 W2 W3 W5 W6	O3 O4	T2 T3

	Objective	Key Activities in the Project	Link to SWOT			
			S	W	O	T
h.	**To strengthen the Institute – Industry interaction**	▪ Deputation of faculty to industries ▪ Jointly conducting continuing education programs ▪ Undertaking of problem solving projects and consultancies on industrial products by students and faculty ▪ Serving as training centers for industry ▪ Involving Industry experts in training students and faculty in traditional and new technologies, soft skills etc ▪ Involving Industry in such bodies as the Board of Governors, Academic Council, Boards of Studies, faculty recruitment, etc	S1 S2 S3 S5 S7 S8 S9 S11 S12 S17	W1 W3 W4 W5 W6 W7 W8	O1 O2 O3 O5 O6 O7	T2 T3 T4

	Objective	Key Activities in the Project	Link to SWOT			
			S	W	O	T
i.	**To implement academic and non-academic reforms**	▪ Institutional management capacity enhancement. ▪ Periodic revision of curriculum ▪ Improved Student Performance Evaluation ▪ Performance appraisal of faculty by students ▪ Faculty incentive for Continuing Education (CE), Consultancy and R&D ▪ Accreditation of eligible UG & PG programmes ▪ Exercise of autonomies: Academic, Administrative, Managerial and Financial ▪ Establishment of Corpus Fund, Faculty Development Fund, Equipment Replacement Fund and Maintenance Fund ▪ Generation, retention and utilization of revenue generated through variety of Activities ▪ Filling up all existing teaching and staff vacancies ▪ Delegation of decision- making powers to senior institutional functionaries with accountability	S1 S3 S4 S5 S6 S9 S11 S17	W1 W2 W3 W4 W5	O3 O4 O5 O6 O7	T2 T3
j.	**To enhance research and consultancy activities.**	▪ Marketing these services to the Industry ▪ Encouraging the faculty who have expertise to take up consultancy assignments	S1 S2 S3 S5 S9 S17	W1 W3 W4 W7 W8	O2 O3 O4 O5 O6 O7	T2 T3

2.3 Specific Objectives and Expected Results:

Linkage between Specific Objectives, Expected Results and SWOT Analysis

S.No	Objective	Expected Results.	Link to SWOT			
			S	W	O	T
1	**Starting PG Programmes & Extending R&D centers in all the Departments.** ▪ In the next two academic years, 4 new PG programmes and R&D center will be established in all the departments. This results in inculcating the research culture among the graduating students and hence improves the learning outcome and employability of the students. ▪ Organizing National and International Level Workshops /Seminars/Conferences. ▪ To take up the Research Projects from the industry in thrust areas & encouraging the Faculty and Students to come out with the publication of papers in journals.	▪ Increase in percentage of regular faculty with M.Tech degrees. ▪ Increase in percentage of regular faculty with Ph.D. ▪ Upgrade in qualifications. ▪ Inculcating the research culture among the graduating students. ▪ Increase in MOU's with industries for research projects. ▪ Increase in consultancy activities. ▪ To come out with patents	S4 S7 S12	W1 W2	O2 O3 O4	T2

S.No	Objective	Expected Results.	Link to SWOT			
			S	W	O	T
2	**Establishing effective teaching learning process by adopting emerging trends in educational, technical media and methods** ▪ Conversion of all the Class rooms into digital class rooms with modern facilities (Smart boards, LCD Projectors, Internet facility etc.). ▪ Use of Video courses from experts of IIT'S (through NPTEL) resulting into enhancement of Knowledge of staff and students. ▪ Organizing educational pedagogical training for effective teaching and learning.	• Increased learning outcomes through student centric approach. • Increase in transition rate of weak students. • Increase in pass percentage. • Increase in the performance appraisal of individual students. • Increase in the satisfaction index of the students.	S4 S5 S11 S17	W2 W4	O1 O3	T2
3	**To setup dynamic Placement & HR cell for throwing open maximum possible job opportunities to the students**. ▪ Providing Value Added courses. ▪ MOU's with industries for exchange of faculty / human resource. ▪ Arranging soft skills and communication skills training by inviting experts ▪ Arranging periodical counseling and personality development to the students	• Increased placement opportunities for the students	S3 S8 S12 S17	W4 W5	O2	T4

S.No	Objective	Expected Results.	Link to SWOT			
			S	W	O	T
4	**Modernization of existing laboratories/workshop and other facilities and establishment of new labs.**	• Modern equipment for learning. • Increase in consultancy activities resulting in increase in IRG. • Starting of new PG programmes.	S3 S8 S17	W4	O1 O3	
5	**Faculty & Staff Development for improved competence through, up gradation in qualification, by training in domain subjects, by attending/conducting conferences, Workshops etc.**	• Qualification up gradation • Improved competency level of teachers. • Improvement in teaching learning process. • Increase in learning outcome of students. • Inculcating research culture. • Outcome of papers in national and international journal will increase. • Skill up gradation of the supporting staff.	S4 S5 S6 S8 S9	W1 W2 W7	O1 O2 O3 O4	T2
6	**Arranging short-term training programmes for rural youths / school drop outs, unskilled labors to make them employable.** • Conducting short term training programme for needy people which results in to self-employment. • Conducting certified diploma courses.	• Self-employment opportunities will increase. • Competency of the dropouts will rise resulting into better employability.	S3 S5 S8		O6	

S.No	Objective	Expected Results.	Link to SWOT			
			S	W	O	T
7	**Attaining the academic Autonomous Institution Status** • Apply to UGC for Deemed University Status through Govt. of AP. Once Acceptable fulfill the Norms. • Student staff ratio must be better than the 15:1. • Laboratories should be provided with latest equipment's. • Student's quality must be improved. • Apply to UGC for autonomous status through Govt of Andhra Pradesh, once we fulfill the norms.	• Designing of our own curriculum in consultation with the industries as per the current trends and the thrust areas which in turn results in to the Employability of the students. • Developing Credit Based Curriculum • Adopting continuous evaluation • Implementing Value-Addition Courses as per market demand.	S3 S4 S5 S6 S8 S9 S17	W1 W2 W4	O1 O2 O3 O5	T1 T2

2.4 Action Plan

2.4 (a) Action Plan for improving employability of graduates:

Training and placement plays a key role in the employability of graduates. To strengthen this activity we plan to upgrade the existing Training & Placement Office to an integrated Industry and Student Placement Services. As of now about 45% of our students are getting employed through campus placement. To improve this rate of employability to 85% and beyond during the years to come, it is proposed to conduct separate training for the students to develop communication skills and technical skills. The communications skills will be imparted by corporate trainers in addition to the training given by our staff and guest faculty. The technical skills will be imparted by the visiting faculty apart from experts drawn from industries and R&D centers during weekends.

In the competitive job market the best option for a fresh student is to gain extra skills and improve employability. The Training & Placement Office will counsel & guide students about what kind of job they should look onto, and the kind of skills they should develop for all round employability. The career centre will offer advice and guidance on various certification courses conducted by leaders in technology. We propose to offer a specialized talent development programme based on the methodology and grooming procedures adopted by companies during their induction training for freshers. The college will conduct mock interview sessions and train the students to give clear, structured and apt answers.

Employability is a function of the right mix of Knowledge, Skill and Attitude.

To enhance the employability of the students, with the above model as the basic guideline, the following actions would be taken:

(i) Understanding the current level of student competencies – based on the tests and assessments designed from the view point of the industry and companies.

- The College will make efforts to introduce demand driven courses to enhance employment opportunities of students.

(ii) Measuring the GAP between the Companies expectations and Students capabilities and devising a training plan to fill the gap.

(iii) Improving the learning outcomes (Subject knowledge and technical skills)

- Improving the teaching effectiveness of the faculty through pedagogy/subject domain training
- Blended instruction methods to deliver meaningful learning experience
- Pedagogy rich experiential learning strongly supported with educational technology like arranging online and video courses on core areas on a periodical basis
- Providing Good infrastructure like converting existing class rooms into smart class rooms with multimedia facilities
- Need to strengthen technology as a means to enhance knowledge base
- Create facility for learning foreign languages to seek employment in India and abroad.

(iv) Training in Soft Skills like Communication, interpersonal and team management skills

- Identify the weak students and arrange for specialised training through remedial classes for the weaker students regularly.
- Setting up a finishing school
- Dynamic personality development programme will enhance the employment opportunity of students.

- Students will be encouraged to participate in seminars, project writing, group discussion etc. to enhance self-confidence.

(v) Collaboration with Industries and strengthening of Alumni network

- To establish MOU with the industries and international institutions to increase Industry Institute Interaction resulting in exchange of expertise, relevant training and placements of students
- Placement through regular interaction with corporate business houses.
- To take up the projects from the industries and involve students
- To strengthen the Alumni network for support in training and placements

(vi) Setting up a Dynamic Placement & HR Cell

- To facilitate continuous interaction with the industry
- To procure, update and disseminate the knowledge about the opportunities
- To market the institute and the students to the industry
- Institution will strengthen career guidance and placement cell.
- To strengthen the Entrepreneurship development cell and interacting with banks to set up cottage/ small scale/ rural based industries by students.
- The institution will have tie-ups with reputed on line placement agencies like "Dice, Monster, NASSCOM, etc.
- Efficient and effective internet connectivity will be provided to enable the students to access the online job portals.

Key Activity	Action to be Initiated	Project Months							
		2014-15				2016-17			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
Improving Employability of Graduates	• Understanding students' current competence • Measuring the Gap • Improving the learning out comes • To arrange training in Soft Skills, Communication skill and personality development programmes. • MOU with Industries and strengthening of Alumni Network								

2.4 (b) Action Plan for Increased Learning Outcomes of the Students

At MITS our aim is to see that the focus of the students is to learn, than continuous teaching by staff. Our student -centric learning is focused on the needs, abilities, interests, and learning styles of student's with the teacher as a facilitator of learning. Student centric learning is encouraged at MITS which is supported by well-equipped laboratories and experienced and well qualified faculty. Helping teachers effectively in corporate technology

into the teaching and learning process is one of the most important steps MITS can take to make the most of past and continuing investment in educational technology. The learning process is proposed to be enhanced by providing latest study material, CDs, videos, accessibility to internet, and other modern methods of learning. We firmly believe that, doing an activity by the student makes him to remember for a longer period. Therefore to the extent possible, the subject learnt by the student in a class will be integrated with experiential learning on systems. The following actions are planned in this direction:

(i) **To adopt advanced teaching-learning process**

- Adopting advanced learning methods by using multiple teaching and learning aids
- Using the E-learning materials, Video lectures through MOOCs, Learning Management Systems [MOODLE]
- Using the Internet for accessing the information at the finger tips
- Modernization and strengthening of libraries

(ii) **Academic Support to weak students**

- Assessing the students by conducting the regular tests
- Identify weak students and counsel them regularly
- Provide awareness about credit system and promotion policy
- Giving assignments, providing tutorials, conducting seminars regularly
- By enhancing associative learning capability of students by reinforcing the subject in which they are weak

(iii) **Improving the curriculum, testing, evaluation and performance appraisal system**

- Adopting a curriculum based on the industry needs
- Establishing MOU with other institutes and industries for exchange of expertise
- Conducting value added courses
- Reliable evaluation systems that are a combination of both summative and formative methods
- Testing and Evaluation to purposefully include Group Work based projects
- Encouraging the participation in co-curricular, cultural activities and sports
- Motivating and supporting student participation in projects and contests

The objective of these actions is to enhance the key learning outcomes of the students as listed below:

- Ability to apply knowledge to the engineering problems
- Practical laboratory and field experience and an exposure to the realities and challenges of large and small industrial production processes
- An awareness of the latest developments in the field and proven capacity to innovate and solve technical problems
- The capacity to use modern communications and information technologies effectively

and to access, analyse, synthesise and utilise information

- A clear sense of identity and clarity in values and life objectives
- The capacity to use modern communications and information technologies effectively and to access, analyse, synthesise and utilise information
- The capacity to work in groups, solve problems and to lead teams effectively
- The capacity to communicate clearly and persuasively
- A willingness and ability to engage in a lifelong learning

Key Activity	Action to be Initiated	Project Months							
		2014-15				2015-16			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
Increased Learning outcomes of the Students	• Adopt Advanced Teaching Learning Process.								
	• Academic Support to weak students.								
	• Improving the curriculum, testing, evaluation, and performance appraisal system								

2.4(c) Action Plan for obtaining Deemed/Private University status within 2 years

Autonomy offers self-governance in running & decision making of institution. Autonomy is important if the institution has to compete with the best institutions around the world and meet the challenges of rapidly changing technology .Autonomy enables us to transform new opportunities in teaching and learning to the advantage of the Institution. MITS has been granted autonomy by UGC from the academic year 2014-15.

There are four types of autonomies i.e. managerial, administrative, financial and academic. MITS being a private, self-financing institution, managerial, administrative and financial autonomies already exist to some extent. But these are to be understood and implemented in right perspective so that the concept of autonomy is inconsonance with desired practices.

Since MITS has been granted autonomy, during the project period of TEQIP-II the following Academic and Non Academic reforms has specified in the IDP submitted in the year 2011 has been achieved . All the statutory committees specified by UGC are in place.

Non-Academic Reforms

Planned	Achieved
1. Autonomous status applied on 12/12/2011 2. Establishment and augmentation of corpus fund, faculty development fund, equipment replacement fund, and maintenance fund 3. Generation, retention and utilization of revenue generated 4. Filling-up all existing teaching and staff vacancies 5. Delegation of decision making powers to senior institutional functionaries with accountability 6. Faculty incentive for continuing education (CE) and R&D 7. Accreditation of UG programmes	1.Autonomous Obtained on 19-06-2014 File no:22-1/2014/AC 2. Generation, retention and utilization of revenue generated 3. Faculty vacancies is almost 100% achieved 4. Delegation of decision making powers to senior institutional functionaries with accountability 5. Faculty incentive for continuing education (CE) and R&D 6. 4 UG programs accredited out of 4 applied 7. 25 UGC Minor Project worth of1,07,32,000 Lakhs

Academic Reforms

Planned	Achieved
1. Innovations in teaching and student evaluation methodologies 2. Design skills, communication skills, entrepreneurial skills, creative and innovative thinking, leadership skills 3. Variety in elective courses 4. Invited expert lectures from industry. 5. Field Visits to and training in industry 6. Improved evaluation of students performance 7. Appraisal of faculty performance by students	1. Innovations in teaching and student evaluation methodologies are being introduced 2. Plan of action to carry out the skills mentioned are in place, also some programs are already been conducted 3. Varieties in elective courses are being planned and organized. 4. Invited expert lectures from industry are being regularly organized 5. Visits and training in industry are being regularly carried out by the institute. 6. The faculty are regularly been trained to carry out the better evaluation procedures. 7. Appraisals of faculty performance by students are being done in every semester.

Since the institution has got the autonomous status from UGC/JNTU the curriculum for UG/PG has been thoroughly revised keeping in view of Industry/Employee needs, a variety of discipline elective courses, open elective courses and MOOC's has been introduced. By the due process suggested by the UGC the approval for the above curriculum has been granted.

Action Plan:

Managerial Autonomy:

- Since the institution is now autonomous, the institute is striving to achieve the following goals.
    - Adding more qualified Professors to each department to meet the norms

- Recruiting more qualified faculty at the earliest in order to maintain Students to Staff Ratio better than 15:1
- Upgrading the Lab equipment to the current needs
- Improving student quality by providing the specialised training for weaker students to improve their performance

Financial Autonomy:

- Since the Institution is autonomous the finance committee is in place as per UGC guidelines.

Academic Autonomy:

- Since the institution has already autonomous, the institution has designed its curriculum, course content, curricula implementation and methods of training in consultation with the industry/academic experts as per the current trends and the thrust areas, for better employability of students.
- The choice based credit system[CBCS] has been introduced as per the guide lines of the UGC
- The institute has introduced innovations in teaching/learning processes through controlled mechanisms.
- The institute is making efforts to establish agreement with industries for expect lecture, industrial training etc. some progress has already been achieved in this area.
- The institute has adopted continuous evaluation system, summative evaluation through assignments and seminars.
- The institution is making efforts for continuing Education, Distance Education, e-learning programmes for working professionals and skill enhancement, Value-Added Courses for the existing students as per market demand
- An effective system for faculty evaluation by students is in place.
- The academic requirements and objectives of the institution are conducted through Training Need and Analysis (TNA) as suggested in PIP.
- The BoG is planning to have a mentor for each department for feedback mechanism and corrective action thereof

Needed reforms on Governance and in Curriculum would be introduced and implemented to achieve and practise autonomy.

The BoG has been constituted as per UGC norms with the delegation of powers to functionaries has been designated as per UGC guidelines.

- Re-constitution of BOG with representation from Industry, UGC, State Govt., Affiliating University, & faculty of the institution
- Delegation of power to the functionaries
- Constitution of Academic Advisory Board, Finance Committee, Purchase Committee, Staff Selection Committee, Institutional Development Committee, Discipline

Committee, and other committees as required.

Having autonomous status the institution is planning for deemed status with the following actions to initiate.

Key Activity	Action to be Initiated	Project Months							
		2014-15				2015-16			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
Planning for Deemed /Private university status and improving existing autonomous status through mentioned activities.	• Curriculum design and development								
	• Developing Credit Based Curriculum								
	• Adopting continuous evaluation								
	• Implementing Value-Added Courses as per market demand.								

2.4(d) Action Plan for achieving Re-accreditation of UG programmes /Accreditation of the eligible PG programs within extended project period

Accreditation is recognition of assured quality. Through the accreditation process, the faculty, the facilities, the student body, budgets, recruiting practices, admissions procedures, course content, and other pertinent issues are thoroughly reviewed by the NBA. Accreditation puts a stamp of approval on graduates: graduating from an accredited institution indicates that graduates are ready to practice at a better level. The accreditation process is designed to examine several inputs such as quality of teaching, level of research, faculty expertise, evaluation of teachers, standard of infrastructure available in the campus, such as hostel facility, library, medical facility etc. Realizing the value of accreditation, our institution has volunteered to go through the rigorous process of auditing by NBA. Since the Accreditated has been accorded for the departments of ECE, ME, EEE, and CSE for a period of 2 years. Since India is now a signatory of Washington accord we are planning for re-accreditation for UG programs and accreditation of eligible P.G. programs under TIER-I so that the students of MITS are recognized globally.

Given the objective of TEQIP, production of high quality technical professionals, obtaining accreditation is an important element in TEQIP as a yard-stick for quality of education programs. As stated by the National Board of Accreditation (NBA): "accreditation provides quality assurance that the academic aims and objectives of the institution are known to be honestly pursued and effectively achieved by the resources currently available, and that the institution has demonstrated capabilities to ensure effectiveness of the educational programme(s), over the validity period of accreditation."

- Current Status: four of the five UG departments have been Accreditated now planning for re-accreditation and four out of 9 P.G. courses are eligible for accreditation. We are planning for re-accreditation for UG and accreditation for PG

Accreditation Status of UG Programmes:

Title of UG Programmes being offered	Whether eligible for accreditation or not	Whether accredited as on 31st March 2015	Whether "Applied for" as on 31st March 2015
Electronics & Communications Engineering	Yes	Yes	Accreditated
Electrical & Electronics Engineering	Yes	Yes	Accreditated
Computer Science Engineering	Yes	Yes	Accreditated
Mechanical Engineering	Yes	Yes	Accreditated
Information Technology*	Yes	No	NA
Civil Engineering	No	NA	NA

* This course is being wound up and AICTE is requested for same**.**

Accreditation Status of PG Programmes:

Title of PG Programmes being offered with specialization	Whether eligible for accreditation or not	Whether accredited as on 31st March 2015	Whether "Applied for" as on 31st March 2015
M.Tech. (CSE)	Yes	Submission of SAR in process	No
M.Tech. (DECS)	Yes	Submission of SAR in process	No
M.Tech (EPS)	Yes	Submission of SAR in process	No
M.Tech(MD) II Shift	Yes	Submission of SAR in process	No
M.Tech(AMS)	Not Eligible	NA	NA
M.Tech(VLSI & ES)	Not Eligible	NA	NA
M.Tech(SPS)	Not Eligible	NA	NA

NA: Not Applicable

Some of the challenges the institute is facing for obtaining Re-accreditation/Accreditation are:

- Shortage of availability of qualified faculty in high demand areas: MITS is gearing to upgrade the qualifications and competencies of their existing faculties to overcome this shortage. Currently there are 60 Ph.D's 27 of our faculty who have registered and pursuing Ph.D. in different areas of Engineering.
- Shortage of Infrastructure facilities, laboratory facilities, etc. as and when new courses are introduced: Continuous creation and expansion of infrastructure is in progress.
- Maintaining better Teacher student ratio than AICTE norms: rolling advertisement for faculty recruitment is in place. http://careers.mits.ac.in/
- Getting Sponsored R&D and Consultancy projects etc.: The R&D Centre in association with Industry Institute Interaction Cell (IIIC) is engaged in achieving sponsored projects from various funding agencies like DST, BRNS, etc.

Key Activity	Action to be Initiated	Project Months							
		2014-15				2015-16			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
Re-accreditation of UG and Accreditation of PG Program.	• Full fill the Requirements as per the new norms to NBA as per TIER-I								
	• Re-accreditation of Four UG programmes & accreditation of four PG programmes is initiated and preparing to submit SAR to NBA.								

2.4(e) Implementation of Academic and non-academic reforms

ACADEMIC REFORMS:

The slow pace of internationalization of Indian higher education is to a large extent, due to the inflexibility in the academic structures and practices of most institutions. The academic reforms will be introduced through the "Academic Autonomy" which the institute proposes to introduce after obtaining necessary approvals from UGC/Jawaharlal Nehru Technological University/State government. It is expected that the institute will be able to implement the same from academic year 2014-15.

Curriculum Reforms:

National Policy of Education-1986 has given considerable importance to make technical programmes relevant to the requirements of the industry and society. As a follow up of this, MITS has laid emphasis on capacity expansion by starting new PG programmes in emerging areas of technology and revising the curricula of existing UG & PG programmes. Introduction of flexibility in programme offering by way of introducing Multipoint Entry and Credit System (MPECS) will be another initiative of MITS in the area of Curriculum Development. This will be in line with the objective of TEQIP to develop professional competencies in the field of Curriculum Development.

There is a need to internationalize curricula. Curriculum reform is a lengthy and convoluted process, especially at the Under Graduate level. The matter has to be considered at a number of levels starting with the departmental committee of the department/ institution wishing to introduce the change.

For the fulfillment of this mission, following activities will been undertaken with the inception of Curriculum Development Centre [CDC] at MITS:

- The curriculum has already been revised from the academic year 2014-15.The revision of curriculum of UG & PG is tuned with the international standards and is also in tune with the choice based credit system (CBCS) stipulated by UGC.
- To develop basic research, new models of curriculum planning, implementation and evaluation, MITS is adopting the curriculum set by peer institutes like IIT's, IISC's, NIT's, BITS etc.
- Identifying changes in engineering job profiles new programme offerings are being chosen and existing programmes are being modified.
- MITS is Generating database in the field of curriculum design & development
- Adopting the Courses and framing the syllabus as per industry requirements by involving the industry experts in framing the syllabus.
- As the institution became autonomous the BoS & Academic council has been formed to revise the new curriculum. Revisions in the curricula are approved by the competent authorities.
- Institution upon conferment to autonomy by UGC can carry out the curricula development and revision by themselves by establishing suitable mechanism (Curriculum Development Cell) that would ensure that the curricula meet market requirements.
- The courses and the syllabus will undergo periodical revision for every 2 years to meet the changes in the industry needs and technology upgrade.
- The curriculum will essentially include the soft skills and communication skills for helping the students to become more& better employable.
- The new and revised curricula will imbibe innovations in teaching methodologies, student evaluation methodologies, design skills, communication skills, entrepreneurial skills, information processing ,creative and innovative thinking, leadership skills, Live and future Projects from industry, elective courses, extensive use of e-learning methods, invited expert lectures from industry and Reputed Academicians, visits to and training in industries, entry level credit exemptions at multiple entry levels.

Curriculum review and development Process

Curriculum review and development is the process through which the MITS course offerings, the curricula, are studied, revised, and implemented. This long range plan for program analysis will:

- Provide a systematic process for evaluating existing programs in the college.
- Provide a sequential approach for identifying programs or services in need of revision.

- Provide a mechanism for coordinating department-wide objectives with program assessment, revision, implementation and evaluation.
- Establish a TWO year schedule for analysis.

Justification

In the changing world and society, engineering institutions have an obligation to challenge students in a variety of instructional offerings delivered in the most contemporary of formats. The curriculum is the cornerstone of the institutions operation. Clearly a systematic approach to evaluate the efficacy of each component of curriculum within a time frame is needed in order to stay up-to-date and therefore, to provide students with a competitive edge in the world economy and a solid foundation in professional studies.

The model

The Two-Year Curriculum Review Plan contains TWO phases.

The initial phase is the Evaluation, which occurs in Year 1. During this phase, a need assessment occurs, supported by research, visitations and surveys. It requires Revision and Development. During this phase, final direction for change is established, materials are reviewed and pilot studies are conducted.

The second phase, Year 2, is the actual beginning of implementation. During this phase, the new program is reviewed for any additional revisions or refinements as needed. The program is implemented once again with a revision, which may have been imposed as a result of the review in Year. The program is subject to the Phase One evaluation, once again.

CYCLE OF ACTIVITIES

YEAR 1 *(First Phase)*

EVALUATION, REVISION AND DEVELOPMENT

- Set up and organize committee
- Diagnose needs
- Set goals and objectives for inquiry
- Establish priorities
- Review research
- Conduct surveys
- Provide articulation
- Report to Board of Governors
- Develop recommendations
- Examine materials
- Conduct pilot studies
- Establish budget impact
- Order materials and equipment
- Revise/write curriculum
- Report to Board of Governors

YEAR 2 [second Phase]

IMPLEMENATION and MONITORING

- Obtain and distribute materials, etc.

- Provide orientation and technical assistance for staff
- Implementation of instruction
- Evaluate program teacher feedback
- Revise as needed
- Report to Board of Governors if revisions are needed
- Implement instruction
- Provide technical assistance for staff as needed
- Implement instruction
- Elicit feedback

Student Performance Evaluation:

- Performance evaluation should be summative and formative. The summative evaluation carry marks/grades and lead to the student's final performance grading, and the formative evaluations are used to encourage the student to do better by pointing out their weakness/mistakes and advising them how to perform better. Formative evaluations are instrumental in real learning promotion since these are not used for grading purposes although grades/marks are given to keep track of improvement in performance. To make the summative evaluation robust and reliable, a number of separate tests are taken as one annual or semester examination may not give reliable evaluation. The institution intends to move from summative evaluation approach to formative evaluation approach.
- To adopt continuous evaluation system to check the performance of students thereby:
  - Academics will be closely related to industrial relevance and will prepare students in solving challenging semi-structured problems.
  - Standardization of the evaluation improvement processes.
  - Development of a knowledge base for improvement and its documentation for future use.
  - A quality improvement focused education system will thus evolve.
- Since MITS has been awarded by UGC continuous evaluation system has already been introduced from the academic year 2014-15. We have introduced two assignments to be submitted by the students checked through Turnitin plagiarism software.
- Publication of results and the evaluation details to maintain transparency.
- Identifying the weakness/mistakes of students and counseling them to improve their performance by conducting remedial classes for the weak students.
- Conducting mock tests, mock quizzes, mock presentations, orals, assignments to identify the weakness among the students and in turn advising the students to improve.
- Weak students will be given an opportunity to improve.
- Performance evaluation of students will help them to improve knowledge, abilities and competencies, self-directed learning and innovative thinking.

Performance appraisal of faculty by students:

- Performance evaluation by the students will help the faculty to improve their teaching/learning, management & training skills.

- Faculty should be counseled for their weakness based on the student evaluation.
- Early evaluation will help to improve the weakness in terms of delivery, lack of interactivity, emphasis on self-learning.
- Exit evaluation will give an insight into the total effectiveness of the course and the learning achievement and deficiencies.
- Combination of Early and Exit evaluation will allow self-correction by the faculty as the course progresses and would enhance teaching/learning effectiveness.
- Faculty will be rewarded for their better teaching learning capabilities and counseled for poor outcome. Results from these assessments will not be considered for promotions or incentives.
- A proper format is prepared covering the points with respect to teaching learning process adopted, effective communication skill exhibit, punctuality in covering syllabus, sharing the relevance of the topic with present day importance.
- Faculty will share the outcome of the evaluation with the HOD for assistance in improving his negative points if any. Each faculty will be motivated for regular self-assessment. This will give the faculty a clear perspective of what is expected and in what priority for providing quality education.
- Continuous motivation to faculty will help them to achieve greater quality and encourage them to do better which ensures a proper mix of proficiency and efficiency in the quality of instruction offered to students.

Faculty incentives for continuous Education, consultancy and Research activities-

Undertaking Consultancy Projects

1. If there is a substantial contribution by the faculty member and the staff in the consultancy project and no resources of the College (like laboratory, computer, software etc. utilized), the members involved in the consultancy project will take 70% of the total value of the consultancy amount received and 30% will go to the College.

2. If the resource of the College such as laboratory facilities, computing facilities, drafting and other facilities are utilized in the consultancy project, the share of the College will be 50% of the total consultancy amount received and 50% will go to the faculty and other staff involved in the consultancy work.

Incentives to Investigators of FUNDED Project Proposals

Incentive will be paid to the *team of investigators of* research projects with external funding in an amount equal to 10% of the total project funding. This incentive will be paid in two parts – 5% at the start of the project and the other 5% on completion of the project. The incentive amount is divided equally among the investigators.

Sponsorship to Conferences / Seminars / Workshops / Symposia

1. Full sponsorship to any one of the *authors* for paper presentations at any Conference/symposium/seminar/workshop, four in a year (one abroad and three in India)
2. Full sponsorship is also provided to all faculty members for a maximum of two conferences/seminars/workshops/ symposiums per year held within India and during the faculty vacations.

3. Beyond the stipulated two opportunities, only registration fee is provided.
4. Such monetary support are limited to a maximum of 20% of a faculty's annual gross salary for Professors (limited to Rs. 1,00,000) and 10% for others (limited to Rs.50,000/)
    - Incentives for Journal Publications.
    - Strong commitment to staffs' development and learning (FDP).
    - International work experience opportunities.
    - Opportunities for high quality research work, scholarships, teaching and professional engagement.
    - One of the Leading institutions in the State that provides satisfying and exciting working environment that truly embraces change.
    - Career progression opportunities
    - Strong commitment to work with family balance & life.
    - Sports, Gym and social facilities.

Key Activity	Action to be Initiated	Project Months							
		2014-15				2015-16			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
Implementation of Academic & Non-Academic Reforms	**Academic Reforms:**								
	• Curriculum Reforms								
	• Student Performance Evaluation								
	• Performance Appraisal of Faculty by Students.								
	• Faculty Incentives for continuous Education, Consultancy and Research activities.								

Non Academic Reforms:

Exercise of autonomy:

- Obtained Autonomous Institution status
- All the statutory committee's as specified by UGC are in place.
- Constitution of Board of Governors (BOG) as per the UGC guidelines.
- The BoG has delegated suitable Academic, financial and administrative powers to various institutional functionaries and committees to streamline the running of the institution.

Establishment of four funds:

- To ensure that the developmental activities last for a long time MITS created and Established Four Funds with separate bank accounts, namely:
    - Corpus Fund
    - Faculty Development Fund

- Equipment Replacement Fund
- Maintenance Fund

- The purpose of these Funds is to ensure sustainability of the reform process beyond the Project period.
- These funds shall be built with annual contribution into each fund equal to atleast 0.5%(total 2%)of annual total recurring expenditure of the institution
- The institution may additionally contribute from annual savings to the Corpus Fund apart from the initial contributions made to each fund.

Generation, retention and utilization of revenue generated through a variety of activities

- In order to make faculty and staff feel encouraged to develop and take up revenue raising activities and programmes over and above their academic and other duties in the institution, they will be given an appropriate share of the revenue earned as an incentive
- In addition the institution shall recognize performance of faculty and staff in such activities through awards, rewards or promotions. The concerned persons should be given due freedom to utilize part of the earnings to develop office and laboratory facilities, acquisition of technical literature and participation at national/international conferences
- Apart from the students fees, revenues to be generated from activities like Consultancy projects sponsored by private or public sector industry, Sponsored research projects, specially tailored continuing education programmes, Industry-Institute interactive programmes ensuring mutual benefits including revenue generation for the institution, and Commercial activities. Accordingly the facilities to be improved; faculty involved in revenue generation activities to be rewarded and recognized.
- Improvement of facilities for personal, academic, research and travel for attending conferences could be permitted from the sponsored project funds as per rules of the sponsoring organization

Filling-up Faculty and Staff Vacancies:

- Vacancies of regular faculty are filled from time to time based on the requirement with the required qualifications and experience. The faculty to student ratio recommended by AICTE 1:15 will be maintained; attempts would be made to have a preferred ratio of 1:15 for UG programmes, & 1:12 for PG programmes.

Key Activity	Action to be Initiated	Project Months							
		2014-15				2015-16			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
Implementation of Academic & Non-Academic Reforms	**Non-Academic Reforms:**								
	• Exercise of Autonomy								
	• Establishment of Four Funds								
	• Generation Retention and utilization of Revenue Generated through variety of activities.								
	• Fill up Faculty and Staff Vacancies.								

Cost estimate for Institutional Reforms

S No	Cost Component	Total Cost in lakh Rs
1	Deemed/Private university consultancy services	8.00
2	Inviting industry participation in framing/ upgrading curriculum for UG and PG courses	15.00
3	Sundry expenses for Institutional reforms meeting for the period of project life	7.00
Total		**30**

2.4(f) Improving Interaction with Industry

The need for the Industry Institute interaction:

Industries look towards Institutions mainly for the following reasons:

At first the Industry would like to have quality manpower inputs for their projects. They need well trained/prepared manpower that is capable of comprehending the issues involved and come up with solutions and procedures to forward the goals of the industry. For this a sound knowledge in the fundamentals, comprehension skills, problem analysis and solving skills, communication skills and readiness to work in a team are required in the students. It becomes, therefore, necessary that the Institute provides the necessary training and environment for the students to develop these skills.

Secondly the Industry also looks towards the Institutions for support for solving some of their own technical problems in their production, development and other related activities. The nature of these problems may be such that they could be trivial and they are not prepared to invest energy and resources, or they have a long standing nature and have

been alluding solutions. They may not be serious production problems but they do need solutions. The Institutions can play a big role in addressing these problems. However the Institutions need to develop the skills and infra-structure facility to carry out the work either at the Institution or at the premises of the Industry and come up with solutions. One needs to have an experienced faculty for this activity.

Thirdly the Industry might want their own staff to receive training skills in latest fields and improve their qualifications. The best place where this can happen is at the Institution. They would like to look towards the Institutions for this purpose. While the Industry gets benefited in the manner described above, the benefits that accrue to the Institution are popularity and recognition, improved infrastructure and facilities, improved student skills, better exposure and vision to the faculty and also revenue generation wherever possible.

Present Status:

Our success in commercialization and knowledge exchange depends partly on the establishment of strategic alliances and collaborations at home and worldwide. Since 2010, MITS has been collaborating with IBM's COE and Faculty Development Programme. MITS is a Centre for Infosys Campus Connect.

MOU with IBM:

- An MOU was signed with IBM which will facilitate the students and staff for acquiring training and development of skills in latest Technology and Software.
- It provides an opportunity to utilize the program to train students on IBM software products and Technologies.
- It provides students to avail IBM certification, which is valid across the globe through the sylvan promantic testing center.
- It will facilitate to create resource pool of IBM software professionals to boost the existing skill level in the country. It will also provide skilled students for software industry in the country and abroad.

Plan for the Industry Institute Interaction:

MITS has set itself a major goal of entering into MOU's with all major public sectors undertaken industries, high tech and research institutions/centers viz BHEL, ECIL, and CMTI, ISRO, DRDO and IT sector organization like Wipro, TechMahindra, Infosys etc.This effort is an ongoing process where continuous interaction with showcasing the competences of the students and faculty are needed to convince the industries to engage with MITS for fruitful and long term association which is mutually beneficial.

Achieving the above mentioned goals needs comprehensive planning and concerted efforts on the part of the Institution. The basic requirement for achieving the goals is to understand the needs of the Industry and gearing up to meet them.

The first activity proposed is to understand the strengths of the MITS in terms of engineering skills and infrastructure. While there are experienced faculties available in the college, there are also junior faculty who need a lot of exposure and skill honing before they

reach the required level. The Institution has to facilitate this. This can be achieved through a planned training program including a structured training, lectures by experts, workshops etc. Also important are the exposure to industry through visits and interaction with industry experts visiting the Institution. A planned program of departmental seminars will also help percolation of knowledge from seniors and also promote the team spirit among the faculty members. These measures will help promote skills among the faculty members, update their knowledge from time to time and improve the quality of education that is being provided to the students.

Another important aspect is the exposure of the capabilities available at the college to the outsiders. One way to do this is to invite a senior person from the industries to serve as members of important committees in the college such as departmental advisory committee, technical committee etc. Presence of these officials from industries on these panels will help modify the curriculum to meet their requirements. These committee / panel meetings will serve as brainstorming sessions to identity the weaknesses and to dovetail the academic / research programs in the departments. Planned visits by senior faculty members to industries will also provide the necessary interaction in this regard. Also open days/ exhibitions can be organized at the college for the persons from Industry. This will encourage them sponsor projects to be carried out by the college or make use of the facilities at the college to address their own problems and requirements. One can use the contacts established to facilitate student exposure to the industry by way of projects/ internships and industrial visits. The essence of these descriptive activities may be summarized as:

- Strengthening of an Industry-Institution-Interaction Cell (I-I-I-C) for purposeful interaction between Industry and institution; collaboration with the industry in ways that are mutually beneficial.
- Benefiting all the stakeholders (Institute, Industry, Faculty and Students) as a result of the interaction and working together

Expected Outcomes of Industry Institute Interaction:

Institute will offer the following services to the Industry –

- Deputation of faculty to industries
- Collectively designing and implementing continuing education programs
- Undertaking problem solving projects and consultancies on industrial products & services
- Serving as training centers

Institute, through the IIIC would implement the following in association with the Industry –

- Guest Lectures, Interactive workshops, conferences, seminars, Brain Storming Sessions, Technical Discussions etc. by Members of the Industry, outside Experts, eminent personalities at regular intervals
- Conducting Industrial Training, Orientation Courses, Industrial Visits for faculty and students
- Facilitating joint research work, consultancy involving faculty and students

- Conducting industrial exhibitions to highlight research facilities and expertise available with the institution
- Facilitating professionals from Industry to work as visiting faculty in institutions for short or long periods
- Deploying of faculty from institutions to Industry for gaining industrial experience and/or to work on projects in Industry
- Involving experts from Industry in Curriculum Development and review
- Identifying Continuing Education opportunities, short-term programmes and training needs of the Industry, which the institution can provide
- To promote revenue generating activities for the institution like Lab Testing, Calibration, consultancy R&D etc
- To assess periodically the scientific and technological scenario/ happenings in India and abroad in order to translate it into action for taking up future R&D work.

Year wise Implementation Plan									
Key activity	Action plan	2015-16				2016-17			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Establishing MITS as a major power house of human resource gate way to meet the global individual market needs	To interact with industries for assessing human resource skill sets meeting industrial needs	Ongoing Process with periodical reviews							
	Identify core competencies required by Industrial sector and incorporate in course contents. Providing exposure to the faculty at the industry, conducting workshops by industrial experts on technological developments			√	√			√	√
	Organize compulsory internships at industries by entering MOU's for all the students from the I year of the course with Industrial visits			√				√	
	FDP with National institutions each for 3 months	√					√		√
	Making Research sponsored [respond] projects a prerequisite for faculty performance evaluation	√	√				√	√	

Cost estimate for improving collaboration with Industry

Sl No.	*Description*	*Unit Cost Rs Lakhs*	*Total Cost Rs in Lakhs*
1	III Cell Setup/ Up gradation	--	4.5
2	Awareness Program to encourage UG & PG students	2/year	8.0
3	Inviting personnel from industries to Create CE Programmes	2/ year	8.0
4	Exploring collaboration with industries through MOU's	2/year	8.0
5	Encouraging the students to take up sponsored projects	1 /year	3.5
6	Organizing industrial tours for students	0.05 / student per year	8.0
	Total		**40.0**

Enhancement in R&D and consultancy activities

MITS intends to promote participation of faculty in research &project consultancy through merit recognition and fiscal and career incentives. In this direction MITS has already established a Research and Consultancy Cell headed by a senior faculty proficient in research work. This Cell also encourages PG/UG students to join research programmes. The following activities are being planned in a systematic and phased manner:

- Enhancing and Upgrading the Research & Consultancy Cell (RCC) to plan and execute the objectives. MITS creates fully equipped research centers/laboratory with latest software and hardware to facilitate research in emerging technologies and to encourage interdisciplinary research.
- RCC to interact with the industry and other entities and market the services of the institute
- Faculty members would be encouraged to take up the consultancy activities in collaboration with the industries and the local administration
- Identifying relevant research and consultancy areas in and around the location
- Identifying and mapping different industry needs to different departments in the institute
- Prominent research worker will be appointed as mentors for each department who are retired in premier institutes like IIT's IISC,NIT's and other institutions of national importance to guide faculty in preparing proposals and to get research projects from government/private funding agencies.
- Developing projects based on the client requirements, facilitating and supporting the industry, with each department's research project, expected outputs in terms of application, products, patents, publications etc

- INCUBATION centre is being planned to support the innovative ideas of the students for moving them to the stage of commercialization.
- Initiate a system of internal revenue generation through incremental increase in R&D and Consultancy activities to be shared with faculty, staff and students to motivate their participation
- MITS needs further to market their services to industry. The industry should be encouraged to give live problems to the institution for solutions. The members of faculties who have expertise should be encouraged to take up consultancy assignments, which directly and indirectly benefit the institution, faculty and students.
- Internal Revenue Generation (IRG) would receive boost, and some of the income should be shared with faculty, staff and students as per the norms approved by BOG. Regular interactions through consultancy are likely to promote a healthy and useful relationship between the industry and institution.
- Incentive and reward system for publication, organization and participation in seminars, conferences and substantial rewards for developing patents. Rewarding the research outputs like published papers and reports by way of providing Incentives
- MITS need to encourage UG students to get associated with industry oriented/sponsored research programmes under the guidance of senior faculty. This is expected to increase their interest in higher education and research.
- Regularly promoting the capabilities by organizing seminars and workshops. Departments encourage undergraduate research orientation programme for students.

The following is the representative list of Research areas in each department:

• Department	• Research Area
• Mechanical Engineering	1. Mechanical analysis of components 2. Fluid Flow analysis 3. Composite Materials 4.Robotics 5.Manufacturing systems
• Electronics & Communication Engineering	1. Embedded Systems & VLSI Design 2. Micro wave Engg. 3. Signal & Image Processing 4. Communication Engg
• Electrical and Electronics Engineering	1. Augmentation of Energy through tapping of solar energy 2. Power Electronics and Power System 3. Power Electronics and drives
• Computer Science Engineering	1. Data warehousing and data mining 2. Image processing 3.Network security 4.Big Data 5.Cloud computing 6. Signal Processing 7. Artificial Intelligence,

Key Activity	Action to be Initiated	Project Months							
		2015-16				2016-17			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
Enhancement in R&D and consultancy activities	• Enhancing the existing Research Promotion and coordination cell								
	• Establishment of Consultancy Cell								
	• R & D Centres should be extended to all the centres.								
	• Faculty members should be motivated to take up the projects in consultation with the industry as part of research work.								
	• Faculty members should take up the local issues and try to solve them.								
	• Faculty members should take up the consultancy activities in collaboration with the industries and the local administration.								

2.5 Action Plan for organising a Finishing School and for improving the academic Performance of SC/ST/OBC/academically weak students.

Objective: To ensure that all students have equal opportunity to improve their academic performance and employability.

Strategy: The college is taking a variety of measures for the slow learners. It has developed various mechanisms towards the capacity building and enhancement of academic levels of weak students without labeling them in terms of caste or religion. This is achieved through organising a Finishing School for improving the academic performance of SC/ST/OBC/academically weak students through innovative methods, such as remedial and skill development classes. The following steps have been initiated to support weak students for the last three years:

- A diagnostic test is conducted one month after the commencement of the class work to identify the academically weak students, at the entry level for the first year students
- Again after the first internal examination weak students are identified. Those who scored less than 50% in each subject are identified by the class coordinators.
- Remedial classes are conducted in the evenings and also on some public holidays to these weak students by expert faculty with predetermined time table. The schedule is announced in the classes and displayed on the notice boards by the First year coordinator.
- Doubts clearing sessions are also included in these classes.

- The faculty members taking remedial classes are given honorarium. Faculties staying late hours after the college hours are served with snacks.
- Subject-wise printed assignments are supplied to the weak students. Doubts, if any would be cleared by the faculty.
- This is an inclusive process. Weak students from SC/ST/OBC categories are also included in the remedial classes without labeling them.
- Again after the second internal examination weak students are identified and remedial classes are conducted.
- The entire work of identifying weak students is done by the *class coordinator.* The schedule of remedial classes and the identification of teachers are done by *all the coordinators of first year*.
- Free Transport facility is provided for both Faculty and students who are involved in remedial classes.

Action Plan –

Sl. No	Items	Actions	Duration/ Frequency	Monitoring Indicators
01	• Identification of improvement areas among SC/ST/OBC/Other weak students	• Analyzing Performance data from the regular tests • Collating Feedback from the faculty • Conducting diagnostic tests that would indicate improvement area in academics and skills	• Diagnosis in academics at the beginning of each semester	• *Marks and Grades in the tests
02	• Taking remedial measures to improve the performance in academics	• By conducting bridge courses/remedial teaching (in the form of extra classes, tutorials)	• Remedial measures carried out continuously	• *Percent of students transiting from first to second year with all first year courses passed • *Performance indices like pass

				rate.
03	• Taking remedial measures to improve the performance in skills like communication, presentation and other relevant skills.	• Conducting specialized soft skills and professional skills development training for increasing employability.	• Regular training in case of basic skills • Semester breaks and vacations for specific skills from 5th Semester onwards	• *Improvement in job • Placement of those students.
04	• Conducting high intensity training programmes and certification programmes in subject and skills	• Targeted training programs for placements • Organizing campus interviews and making other efforts in coordination with Placement cell, III Cell.	• End of the Final year • 4 to 5 week duration	• *overall Improvement • Placements and campus placements

Sl. No	**Key Activities**	**2015-16**				**2016-17**			
		1-3	**4-6**	**7-9**	**10-12**	**13-15**	**16-18**	**19-21**	**22-27**
1	Diagnostic Test								
2	Bridge Courses / Remedial Teaching								
3	Conducting Specialized soft skills & professional skills development training								
4	Conducting high intensity training programs and certification programs								

Cost Estimate for Finishing School

Sl. No.	*Activities*	*Project Life Allocation*	*2015-16*	*2016-17*
1	Diagnostic Test	2.0	1.4	0.6
2	Bridge Courses / Remedial Teaching	5.0	3.3	1.7
3	Conducting Specialized soft skills & Professional skills development training	8.0	5.0	3.0
4	Conducting high intensity training programs and certification programs	5.0	3.0	2.0
	Total	**20**	12.7	7.3

Institutional Budget

2.6. Action plan for strengthening of PG programmes and starting of new PG programmes

a) Strengthening of existing PG Programmes: Existing PG programmes would be strengthened broadly by the following activities –

- Encouraging the existing faculty with Bachelor's degree qualifications and the students in their final year to pursue PG courses and offer scholarships to non-GATE qualified students.
- Strengthening the Laboratories and establish new laboratories to better cater to the requirements.
- Enriching the Learning Resources and facilities like Library and equipment. Currently, there are four PG programmes (including the two started from this academic year from 2010-11 with the approval of AICTE and JNTU)

1. M.Tech in CSE (Software Engineering)

Strengthening Laboratories-

- Setting up of Operating Systems Lab with Servers and clients supporting multiple operating systems like Windows, Linux, and Sun Solaris.
- Setting up of Database application Lab to study different database applications like Oracle, DB2, Sybase etc.
- Advanced Research Lab with modern equipment's.

Enhancing Learning resources-

- Subscription to E-journals like IEEE, ACM, etc.
- Subscription to national and international journals to the department library

2. M.Tech in PE.ES (Electrical & Electronics Engg. Department)

Strengthening Laboratories-

- Setting up of Micro Processor and Micro controller Laboratory
- Setting of Electrical systems Simulation lab
- Setting up Digital Systems Control lab

3. M.Tech in Digital communication & Networking (Electronics & Communications Engg. Department)

Strengthening Laboratories-

- Setting up of Advance Digital Communication Lab
- Setting up of Wireless Communication lab
- Setting up of Modern Digital signal Processing [DSP] lab
- Setting up of Antenna Lab

Enhancing Learning resources-

Subscription to national and international journals to the department library

4. M.Tech in Virtual Prototyping and Digital Manufacturing (M.E.)

1. Setting up manufacturing process simulation laboratory with softwares like Pro/ENGINEER Wildfire 5.0, SOLIDCast 7.0.2, Visual mill 5.0

2. Setting up of Computer Aided Engineering (CAE) Laboratory with softwares like Ansys, Auto CAST, Moldflow

3. Setting up PDM and Integrated Product Development Laboratory with softwares like Rational Rose, Oracle 9i, Auto Vue

4. Setting up Virtual Reality Centre with softwares like Vizard, VCollab,3Ds MAX, MAYA

b. Action plan:

Sl. No	Key Activity	Project Months							
		2015-16				2016-17			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
	Strengthening of PG Programmes								
1	Procuring Equipment's and Furniture for New laboratories for existing M. Tech Programs								
2	Setting up Hi-Tech Seminar Hall for M. Tech programs.								
3	Procuring Learning Resources (Books CD's Journals) for Existing M. Tech Programmes								
4	Increasing the Intake from current strength of 18 to 25 by seeking approval from BoG, JNTU and AICTE								
5	Exploring Additional Teaching / Research Assistantship								
6	Faculty & Staff Development Plan through attending short term programmes at IIT's, &IISc.								

Cost Estimate for Increase in Intake in Existing M. Tech Programs.

Sl. No	***Description***	***Total Cost In Lakhs***
1	**Equipment's for new laboratories for existing M. Tech Programs**	
	Computer Science & Engineering Electronics & Communications Engineering Electrical & Electronics Engineering Mechanical Engineering	**47.53**
2	**Converting Class Rooms in to Hi-Tech Seminar Hall.**	**--**
3	**Procuring Learning Resources (Books CD's Journals) for Existing/NEW M. Tech Programs**	
	Computer Science & Engineering Electronics & Communications Engineering Electrical & Electronics Engineering Mechanical Engineering	**60**
	Total	**107.53**

2.6.1 Starting New M. Tech Programs & Cost Estimate

Justification for proposed M.Tech Courses:

Need for PG courses in Engineering& Technology: The technical scenario of Rayalaseema region is very low when compared to the other parts of Andhra Pradesh. As per recent statistics the number of engineering colleges providing M.Tech are 80 in Telangana, 33 in Andhra and only 18 in Rayalaseema region respectively. This strongly suggests that a need to start PG programs in this backward area. The Madanapalle Town has four Engineering Colleges offering mostly UG Courses. The great demand for the PG programs in cutting edge technologies in this region can be satisfied to certain extent by augmenting the introduction of these new programs. By offering the new PG programmes, we intend to provide an opportunity for the UG students to attain Post Graduation in our Town itself. As some of these courses are inter disciplinary; there will be a good demand for the students in Industries, Companies which concentrate on intensive design and manufacturing process.

M.Tech. in CSE with Specialization in Software Engineering is a two years Master degree course spanning over four semesters with the aim to provide an understanding of advanced concepts in Computer Science & Engineering with special focus on advanced software engineering methods being practiced in industries. Software Engineering involves application of specialized knowledge and skills to develop different kinds of large, complex software systems. Most challenging problems in industry and commerce are associated with software development with a set of best practices that can be used to develop better performing and more usable software. The scope of employment includes Software designer, architects, project managers and project tracking leads etc.

M.Tech (ECE) Digital Communication & Networking: The world of communication now includes all kinds of media – audio, video, rich media presentation, interactive, DVD, simultaneous and virtual meeting environments. Today's companies and organization, large and small, use different types of media to reach and retain their audience. Digital communication is a foundation skill for most careers today as most people will be involved in some form of conceptualizing, producing, delivering and receiving such communications in their jobs and lives. Starting in elementary school and extending to higher education, students can learn a variety of Digital Communication skills across all their courses, whether they build multimedia presentations to demonstrate their knowledge of academics subjects, create e-portfolios of coursework, or presentation ideas in virtual classrooms. We can prepare them to communicate effectively by teaching them the whole communication process from planning the message all the way to testing for usability. Networks of the future will be worlds apart from today's relatively ones that simply carry packets from one end to the other. With the explosion of Peer-to-Peer high definition video streaming and ubiquitous computing projects like internet are looking at a scenario where even light bulbs and toasters will have an Internet Protocol IP address affect in making house hold compliances capable of accessing as well as being controlled by the internet. Security is also an- important aspect and future networks will be able to detect security attacks and take steps to fight back very much like the immune system in our body.

M.Tech (EEE) Power Electronics and Electrical Drives: Technically this field is useful in different practical applications i.e. modeling and control of various motors of all the industries. The smooth

operation of equipment is achieved by power electronics and drives. Because of this technical advantage there is great demand for power electronics and drives candidates with PG degree.

M.Tech (ME) Virtual Prototyping and Digital Manufacturing: The post graduate programme on Virtual Prototyping and Digital Manufacturing equips the students with knowledge and skills to create virtual environments to facilitate the development processes of several systems as needed by the society in several areas of life. This group of graduates can contribute towards savings in time, improved value addition and customer satisfaction with the skill set acquired during their study.

Action Plan:

Sl. No	Key Activity	Project Months							
		2015-16				2016-17			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
	Starting of New PG Programmes								
1	Sending proposals to the University and AICTE								
2	Visit of expert committee by the University / AICTE								
3	Approved by the University / AICTE								
4	Calling for quotation								
5	Appointment of Faculty								
6	Setting up of laboratories								
7	Starting of Course.								
8	Purchase of Library books / e-Journals / Journals								

Cost Estimate for Starting New M. Tech Programs. (Detailed in Annexure)

Sl. No	***Description***	***2015-16***	***2016-17***	***Total Cost in Lakhs***
1	Books, Journals and Softwares	40	20	60
2	Teaching Assistantship	133	155	288
	Total	173	175	348

Teaching/Research assistance-costing

Sl No.	Activity	Estimated cost in lakh Rs		Total Estimated Cost in Lakh
		2014-15	2015-16	
1	Teaching assistance for PG student's @Rs.8, 000 per candidate for total 150 students in 2014-15 & 2015-2016 for a period of 12 months	72	72	144
2	Research assistance ship for Ph.D. candidates @18,000 per student per month for 56 students	61	83	144
Grand Total				**288**

Note:

For 2014-15 the no. of PG students who gets the assistantship is 75 students

2015-16 the no. of PG students who gets the assistantship is 75 students

For 2013-14 batch the no. of Ph. D. scholars who get the assistantship is 7 for 20 months

For 2014-15 batch the no. of Ph. D. scholars who get the assistantship is 11 for 18 months

From 2015-16 the no. of Ph.D. scholars who get the assistantship is 38 for 12 months

2.7. Training Needs Analysis & Faculty Development Plan for 18 months:

Institution has planned to take up the faculty and staff development very seriously. According to this plan of action, it is expected that by the end of this TEQIP program, there will at least three Ph.D. holders in each department. About 52 of our faculty are already registered and pursuing Ph.D. programme in different Universities. Accordingly, the institution has prepared its budget for faculty and staff development.

In addition, emphasis has been given to depute both teaching and non-teaching faculty to industry/ institutions of higher learning to get hands on experience in modern industries/ areas that help them to mould the budding engineers for industrial needs. It is expected that by this type of activity, the placement of students in campus will increase substantially. Teaching faculty can take this opportunity to complete their research training program leading to their Ph.D. Likewise; people from industry can also visit our institution either for teaching or for registering to higher studies.

Plans have been made to encourage teachers to publish research papers in both national and international conferences with an intention of exposing our faculty to wide spectrum. This will increase the vision of faculty and in turn help our students.

In addition, faculty members are encouraged to make use of the Short Term Research Programme facilities at Premier Institutions as a prelude to QIP selections. The selection process to identify faculty and staff for industrial training is also on. The lists of faculty members identified to participate in training with the details of the progarmmes are annexed separately.

Training Needs Analysis and Faculty Development Plan for improving their teaching, subject area and research competence is based on Training Needs Analysis (TNA) in the following areas -

- Basic and advanced pedagogy
- Subject / domain knowledge enhancement
- Participation in activities such as workshops, seminars, conferences
- Improvement in faculty qualifications
- Improving research capabilities

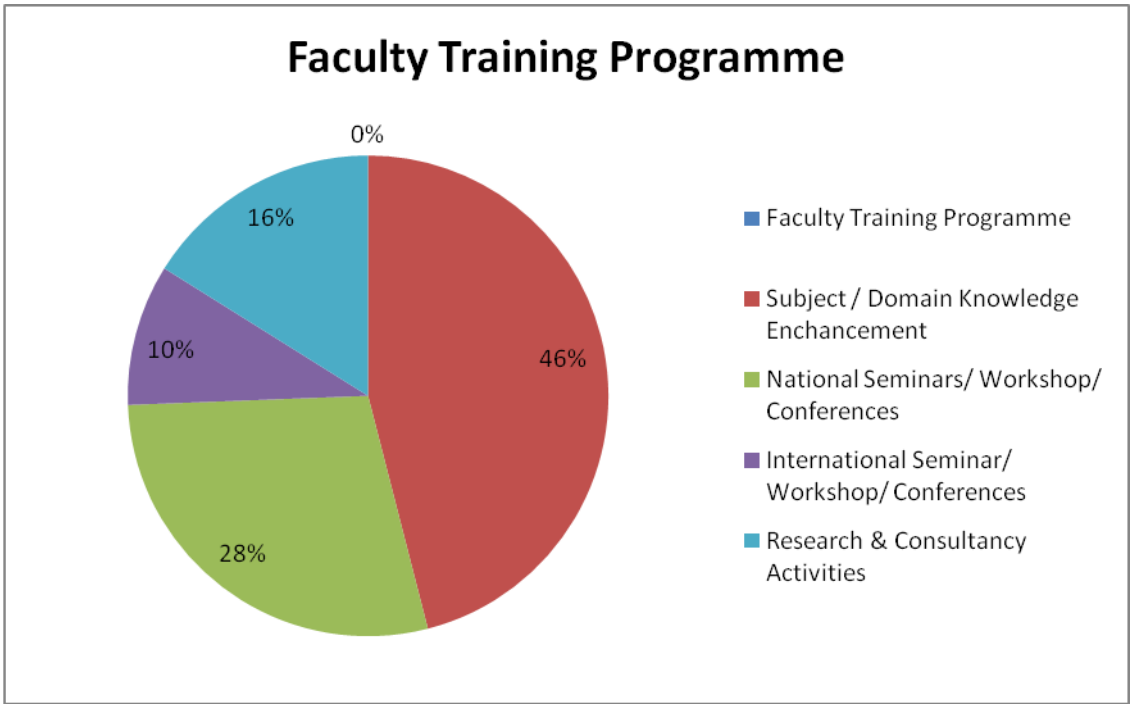
A Training Need Analysis is carried out in the Institute by collecting information from Principal / Director, Administrative Staff, HOD & Deans, Faculty, Technical Staff, Supporting Staff and Class-IV Staff in a TNA Performa given in the PIP Document. These were scrutinized by the concerned Heads of the Department in consultation with Senior Faculty Members and Supporting Staff and identified the areas in which Training is required so as to meet the objectives and also to improve and strengthen the Teaching Learning Process hence the employability of Graduates.

Further scrutiny was carried out in Heads of the Department Meeting and among the several inputs received from various departments for training (National & International) have been delayed keeping in view the Project Budget constraints.

From the remaining, National and International programmes for faculty in subject areas covering subject / domain knowledge, improvement in Managerial Skills and attending relevant workshop and conferences were identified.

In addition to the above specialized training, all the faculty members of the college will attend in house training programmes in Basic and Advance Pedagogy to be organized by NPIU and SPFU.

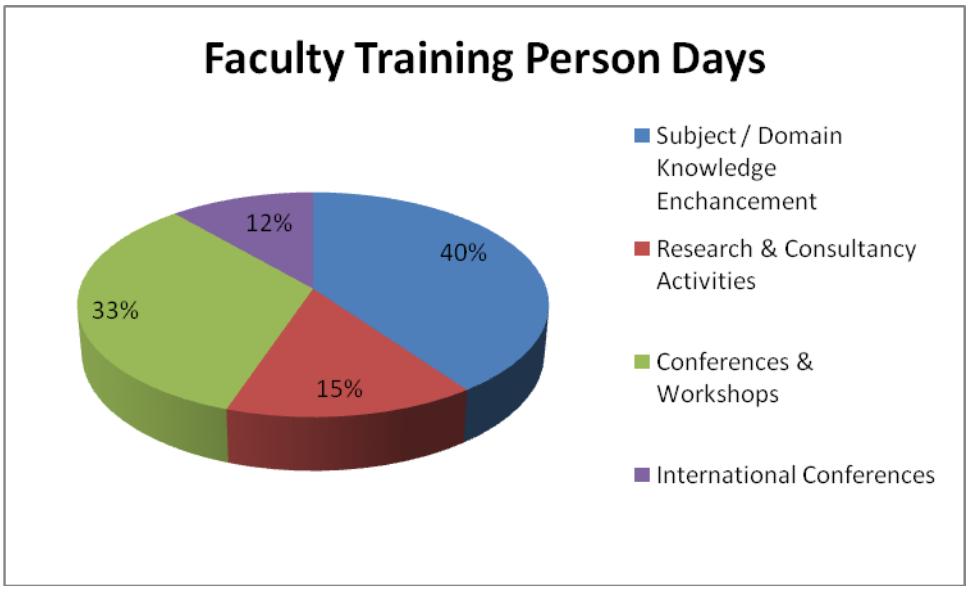
Distribution of Training programme area wise covering subject domain knowledge improvement, Basic and Advance Pedagogy and conduction of seminars and workshops is shown in Pie Charts given below. This is in conformity with the major objectives of the project proposal for strengthening the institution to improve learning out comes.



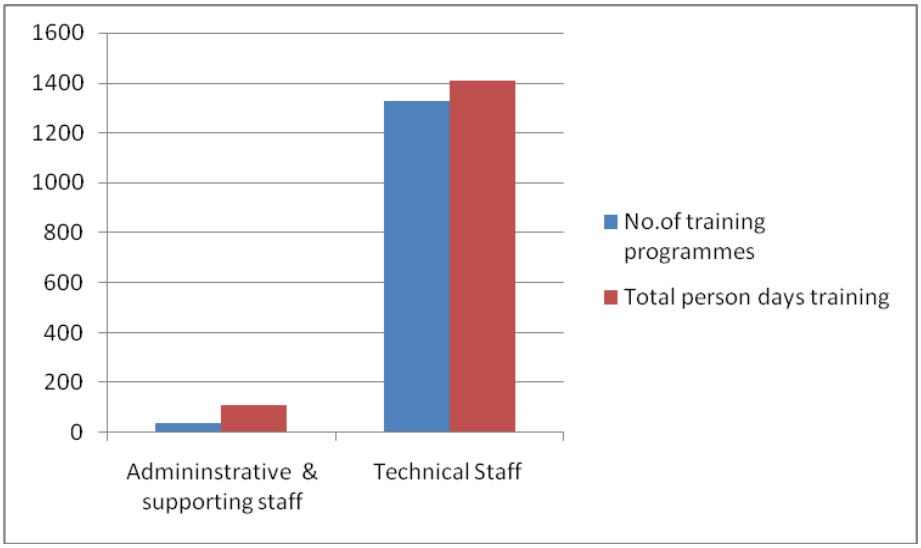
The Figure above gives the distribution of faculty training programmes on the basis of Person Days of Training. This chart depicts 46 % Domain Knowledge improvement,16 % in R & D Activities, 28% conference and workshops for national and 10% for international. This is in conformity with the major objectives of the project proposal for strengthening the institution to improve learning out comes at MITS, Madanapalle.

The TNA Forms filled by all the faculty members were scrutinized by a committee Headed by Director, Principal, Administrator and Few Senior Faculty. The Training Programmes were selected keeping in view of the Project Budget constraints. These programmes cover even the Technical and

Supporting Staff keeping in view of the individual and institutional needs for operation and Lab maintenance apart from the other.



The figure below gives the distribution of Staff Development Programme for person days on the basis of number of training programmes required.



Staff Development Programme - Number & Person Days

Faculty Development Plan for 18 Months:

About 95% of the faculty members of MITS have indicated willingness to participate in pedagogical training to be organized by NPIU and SPFU. Training provider would be selected for conducting the training programs at MITS in following levels-

1. Basic pedagogical Training

2. Advance Pedagogical Training.

S. No	Branch / Training Subject Area	No. of			Project Months Basic							
					2015-16				2016-17			
		F	D	PD	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
1	Batch1 ECE	27	6	162								
2	Batch 2 CSE+IT	44	6	264								
3	Batch3 ME	20	6	120								
4	Batch 4 EEE	14	6	84								
5	Batch 5 CIVIL	6	6	36								
6	Batch 6 Phy+Che+Math+ Humanities	32	6	192								

F= Faculty, D= Days, PD=Person Days,

Cost Estimate for Training in Basic and Advance Pedagogical

The cost for organising the Basic and Advance Pedagogical training for 139 Faculty members for 858 person hours will be borne by NPIU /SPFU.

2.8(a) Provide an action plan for Faculty Development Programme/ Training in functional areas.

S #	Branch	Training Subject / Area	Category	Number of			Project Months							
				F	D	PD	2015-16				2016-17			
							1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
1.	HODs	NBA accreditation, Institution Building, performance appraisal and Staff Development	S	5	12	60								
2.	Faculty	Communication and Presentation Skills for Engineers & Executives	S	10	4	40								
3.	Faculty	Digital Instructional Resource development	S	12	5	60								
4.	Faculty	Enhancing Teaching Learning Skills With ICT	S	6	5	30								
5.	Faculty	Industry Professional Training Programme on Enhancing Organizational Performance and Competitiveness through TQM	S	5	5	25								
6.	Faculty	Strategy to Improve Learning of Weaker Students	S	5	5	25								

S #	Branch	Training Subject / Area	Category	Number of			Project Months							
				F	D	PD	2015-16				2016-17			
							1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
1.	CSE	Adhoc Wireless Networks	RC,I	2	5	10								
2.	CSE	Artificial Intelligences	S	2	5	10								
3.	CSE	ASP.NETwithVB.NET	S	2	5	10								
4.	CSE	AUTO CAD	S	2	5	10								
5.	CSE	Computer Networking with Windows Server	S	2	5	10								
6.	CSE	Cyber Security	S	2	5	10								
7.	CSE	Dynamic Web Page design using PhP	S	2	5	10								
8.	CSE	Information Security	S	2	5	10								
9.	CSE	Linux Server Administration	S	2	5	10								

S #	Branch	Training Subject / Area	Category	Number of			Project Months							
							2015-16				2016-17			
				F	D	PD	1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
10.	CSE	Mobile Computing	S	2	5	10								
11.	CSE	Open Source Solutions	S	2	5	10								
12.	CSE	PC Maintenance and Troubleshooting	S	2	5	10								
13.	CSE	Short Course on Data Structure & Java Programming	S	2	5	10								
14.	CSE	Software Testing	S	2	5	10								
15.	CSE	Statistical Modeling for Data Analysis (SMDA-2011)	S	2	5	10								
16.	CSE	Video Processing	CWA	2	5	10								
17.	CSE	Web based courseware Development	S	2	5	10								
18.	CSE	Web Technology	S	2	5	10								
19.	CSE	Wind Tunnel	S	1	6	6								
20.	ECE	Advanced DSP Design Techniques	S	4	4	16								
21.	ECE	Advanced Wireless N/W	RC	4	4	16								
22.	ECE	Communication Technologies	S	4	4	16								
23.	ECE	Geographic Information Systems and Applications	S	4	4	16								
24.	ECE	Image & Speech Processing	CWC, I	4	4	16								
25.	ECE	International Conference on Advances in Materials and Materials Processing	S	4	4	16								
26.	ECE	Micro wave and Antenna	RC	4	4	16								
27.	ECE	Multimedia Communication	CWA	4	4	16								
28.	ECE	National Conference on Communications 2012	S	4	4	16								
29.	ECE	OFDM Based 4G Cellular Standards: LTE and Wi-MAX	S	4	4	16								
30.	ECE	RF Design	S	4	4	16								
31.	ECE	Satellite Image Processing & Analysis	S	4	4	16								
32.	ECE	Signal Processing Applications	S, I	3	4	14								
33.	ECE	Telecommunication Networks with State-of-the-Art Hands-on Experiments	S	2	4	8								
34.	ECE	Trends in VLSI Design	S	2	4	8								
35.	ECE	VLSI/ VHDL	CWA	2	4	8								
36.	ECE	XVI International Workshop on the Physics of Semiconductor Devices	S	2	4	8								
37.	EEE	Electrical Hazardous and Safety Practices	S	2	3	6								

S #	Branch	Training Subject / Area	Category	Number of			Project Months							
				F	D	PD	2015-16				2016-17			
							1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
38.	EEE	MAT LAB	S	2	3	6								
39.	EEE	MATLAB/SIMULINK	S	2	3	6								
40.	EEE	Microcontroller S Embedded Systems	S	2	3	6								
41.	EEE	Online Wind Power Plant Technology (equivalent to 2 weeks of full time contact programme)	S	2	3	6								
42.	EEE	Power & Industrial Drives	S, I	2	3	6								
43.	EEE	Power system Engineering	CWC	2	3	6								
44.	EEE	Reliability Power Systems	S	2	3	6								
45.	EEE	VLSI Design	S	2	3	6								
46.	EEE	Principles of Wind Power Plant Technology (online-cum-contact mode)	S	2	3	6								
47.	EEE	Refresher Course Advances in EEE Electrical Engineering	S	2	5	10								
48.	EEE	Use of Computer Software (MATLAB, Multi-SIM) for Electrical S Electronics Circuit Design and Testing	S	2	5	10								
49.	EEE	Renewable Energy Basics (online-cum-contact mode)	S	3	3	9								
50.	EEE	Optimization of Thermal Power Stations	S	2	3	6								
51.	EEE	Remote Substation Monitoring and Control through SCADA	S	2	3	6								
52.	EEE	Systems & Control Engineering - A Training Course in Magnetic Resonance Imaging	S	2	3	6								
53.	EEE	Design, Construction, Operation & Maintenance of Transmission Lines	S	2	3	6								
54.	EEE	Electric Generator Systems in Wind Power Plants	S	2	3	6								
55.	H&S	Academic Audit for Effective Curriculum Implementation and Evaluation	S	4	6	24								
56.	H&S	Effective laboratory utilization	S	3	6	18								
57.	H&S	English Language teaching Through Multimedia	S	3	6	18								
58.	H&S	Fibre Optics & Laser Technology	S	3	6	18								
59.	H&S	Hazard Communication in Industries Control of Disasters	S	3	6	18								
60.	H&S	Hazardous Waste and Chemicals Management	S	3	6	18								
61.	H&S	Innovations in Science teaching	S	3	6	18								
62.	H&S	Innovative & Effective Teaching Methods	S	3	6	18								

S #	Branch	Training Subject / Area	Category	Number of			Project Months							
				F	D	PD	2015-16				2016-17			
							1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
63.	H&S	Intellectual Property Rights	S	3	6	18								
64.	H&S	Managing Laboratory and Enhancing Effectiveness of Lab Instructions	S	3	6	18								
65.	H&S	Nano Science & Nano Technology to Theoretical physics	S	3	6	18								
66.	H&S	National Workshop on "Biostatistics : Applications of Computational Statistics in Medicine & Biology (ACSMB - 2011)	S	3	6	18								
67.	H&S	National Workshop on Biostatistics : Application of Computational Statistics in Medicine & Biology	S	3	6	18								
68.	H&S	Office Automation	S, I	3	6	18								
69.	H&S	Workshop on Bioinformatics in Jenomics, Proteomics and Metabolimics	S	3	6	18								
70.	ME	Advanced welding Processes	S	6	5	30								
71.	ME	Advances in Cryocooler Technology	S	6	5	30								
72.	ME	Advances in Heat Treatment	S	6	5	30								
73.	ME	Advances in Machining	CWSA, I	6	5	30								
74.	ME	Aircraft Engineering	RC	6	5	30								
75.	ME	CNC	S	6	5	30								
76.	ME	CRM and Quality Services for Automobile Sector	S	6	5	30								
77.	ME	Innovative laboratory experiences in Mechanical Engineering	S	6	5	30								
78.	ME	Machine Design	S	6	5	30								
79.	ME	Machine tools	S	6	5	30								
80.	ME	Maintenance of Mechanical Workshop S Laboratories	S	6	5	30								
81.	ME	Material management and Cost control techniques	S	6	5	30								
82.	ME	Refresher Course "Advances in Mechanical Engineering	S	6	5	30								
83.	ME	Smart Materials	CWSA ,I	6	5	30								
84.	ME	Solid Modeling using Pro-E	S	6	5	30								
85.	ME	TOT programme on Welding and Fabrication	S	6	4	24								
86.	ME	Vacuum Technology & Process Applications	S	6	4	24								

F= Faculty, D= Days, PD=Person Days, S= Subject Domain, RC= Research & Consultancy, CWC=Conference/Workshop Conduction, CWA=Conference / Workshop Attending, MT= Managerial Training, I= International

Cost Estimate for Staff Development Programs (Technical)

S.no	*Discipline*	*Number Of Training Programs*	*No. of persons (Persons)*	*No. of persons days (Days)*	*Cost Estimate @Rs0.025 lakhs per Person Days (In Lakhs)*
1	Computer science and Engineering	19	62	186	4.65
2	Electronics and communication Engineering	16	74	222	5.55
3	Electrical and Electronics Engineering	17	38	114	2.85
4	Mechanical Engineering	17	54	498	12.45
5	Civil Engineering	04	4	12	0.3
6	Humanities & Sciences	15	92	276	6.9
7	HODs & Professors	20	10	100	2.5
Total					**35.2**

One faculty from each Department is permitted to present a paper in the international conference or for organizing an international conference in our college, for which an amount of Rs. 10.00 Lakhs is allocated.

Provide an action plan for training technical and other staff in functional areas.

S #	Branch	Branch / Training Subject Area	Category	Number of			Project Months							
				F	D	PD	2015-16				2016-17			
							1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
1.	ADM	Administration	MT	2	17	34								
2.	ADM	Communication Skills	MT	2	17	34								
3.	ADM	Finance Management	MT	2	17	34								
4.	ADM	Managerial / Leadership	MT,I	2	17	34								
5.	ADM	Motivational Skills	MT	2	17	34								
6.	ADM	Personality Development	MT	2	17	34								
7.	ADM	Presentation Skills	MT	2	17	34								
8.	ADM	Soft Skills	MT	2	17	34								
9.	ADM	Stress management	MT	2	17	34								
10.	ADM	Team Management	MT	2	17	34								
11.	ADM	Time Management	MT	2	17	34								
12.	ADM	Office Automation	MT	2	17	34								
13.	ECE	MATLAB	S	2	17	34								
14.	ECE	Microprocessor Interfacing	S	2	17	34								
15.	ECE	MS Office	S	2	17	34								
16.	ECE	Networking	S	2	17	34								
17.	ECE	VHDL	S	2	17	34								
18.	EEE	Electrical wiring	S	2	17	34								
19.	EEE	Equipment Repair, Maintenance & Training	S	2	17	34								

S #	Branch	Branch / Training Subject Area	Category	Number of			Project Months							
				F	D	PD	2015-16				2016-17			
							1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
20.	EEE	Library Software & Networking	S	2	17	34								
21.	EEE	Maintenance of Portable Instruments	S	2	17	34								
22.	EEE	Photo Shop	S	2	17	34								
23.	IT	Chip Level servicing	S	2	17	34								
24.	IT	CISCO	S	2	17	34								
25.	IT	DBA	S	2	17	34								
26.	IT	LINUX Administration	S	2	17	34								
27.	IT	Web Programming	S	2	17	34								
28.	ME	CAD using Inventor	S	2	17	34								
29.	ME	CAD using Unigraphics	S	2	17	34								
30.	ME	CNC	S	2	17	34								
31.	ME	Develop Mechanical Workshop related Skills	S	2	17	34								
32.	ME	Drafting and CNC Programming using Master CAM	S	2	17	34								
33.	ME	Engineering Graphics CAD	S	2	17	34								
34.	ME	International Conference on Advances in Materials and Materials Processing	S	2	17	34								
35.	ME	Machine tools	S	2	17	34								
36.	ME	Mechanical measurements	S	2	17	34								
37.	ME	N/W and Admin	S	2	17	34								
38.	ME	Technical and Managerial skill development	S	2	17	34								
39.	ME	Welding Technology	S	2	16	34								

F= Faculty, D= Days, PD=Person Days,

S= Subject Domain, RC= Research & Consultancy, CWC=Conference/Workshop Conduction, CWA=Conference / Workshop Attending, MT= Managerial Training

Cost Estimate for Administrative, Finance and Supporting Staff

S. No	***Category***	***Discipline***	***Number Of Training Programs***	***Person days***	***Cost Estimate @Rs0.01 lacs per personal day***
1	Engineering	Mechanical Engg	12	408	4.08
		Elect and Electronics Engg	5	170	1.70
		Electronics and communication Engg	4	170	1.70
		Computer science and Engg & IT	5	170	1.70
2	Admin		12	408	4.08
Total					**13.26**

Action plan for up-gradation for faculty qualifications

Dept.	Existing		2015-16		2016-17	
	PG	PhD	PG	PhD	PG	PhD
ME		6		14		7
ECE		8		19		10
CSE		10		14		15
EEE		3		7		8

Cost Estimate for Up-grading the qualifications of existing faculty and staff (Selected faculty from the Institution)

S.No	Departments	2015-16	2016-17
		Ph.D	Ph.D
1	CSE	2,80,000	5,80,000
	ECE	3,80,000	5,80,000
	EEE	1,40,000	3,00,000
	ME	2,80,000	4,20,000
	Financials (Course Fee)	**10,80,000**	**18,80,000**

Cost estimate for total faculty and staff development: (2.7, 2.8& 2.9)

S.no	*Category of Staff*	*Number of Training Programs*	*Number of Person Days*	*Estimated Total Cost in Lakhs*
1	Faculty	108	1408	35.2
2	Technical	26	918	9.18
3	Admin	12	408	4.08
5	International Conference	--	--	10.00
6	Qualification Up gradation			29.6
Total				**88.06**

2.8 Describe the relevance and coherence of Institutional Development Proposal with State's/National Industrial/Economic Development Plan.

The Institutional Development Proposal Document Indicates number of areas in which research problem lies and the solutions of which may lead to the well-being of the people of the state.

Industrial Scenario in Andhra Pradesh State:

Development of any country will depend on simultaneous development of all the states in all respects. Presently, Andhra Pradesh's share in National GDP is around 6%. The position of the state economy has drastically changed from agrarian in 1956 towards industrial and service economy in 2010. The vision of the Government of Andhra Pradesh is to develop a vibrant knowledge society and achieve a sustainable and orderly process of industrialization by enhancing capabilities.

Need of up-gradation of Technical Education:

The Institutional Development Proposal expresses the need to build excellence in technical education system with thrust on:

- Improvement in quality and relevance of content in tune with technological requirement of the day.
- The systematic improvement includes credit transfer, synergy between research and teaching, flexibility in choices of courses pertaining to thrust areas.
- Flexibility in designing the courses and course content based on interaction with industries, leading universities in the country and outside the country.
- Emphasizing the need for inter disciplinary courses.
- Continuous evaluation of the students on the basis of understanding and application of APSSDC.

Development of Science & Technology in the State of Andhra Pradesh

- The state of Andhra Pradesh is thriving in research, in the fields of science & Technology with premium institute like IIIT, University of Hyderabad, and IIT etc.
- The Industrial growth is booming in the field of Information Technology, Bio-technology, Electronics, Aeronautics, Automobiles etc.
- After the agricultural revolution, the agriculture growth of the state is high but it needs implementation of latest technology at the rural level for higher growth.
- There is an ample scope of improvement of health sector to improve the quality of lives of the people.

The Industrial Vision of the State:

Industrial Scenario of the state

Andhra Pradesh is one of the states in India which has got leading industries like Cement plants, Mining, Shipyard, Dry-dock, High-tech City in Madhurawada Vizag, Chennai-Vizag industrial corridor, Sri City in Chittoor dist, Educational Hub in Tirupathi, Electronic City, Fab-City, Thermal Power Stations, Natural gas of Krishna Godavari Basin, Biotech, Pharma City etc. All the major industries are growing in a phenomenal manner. The IT sector is expanding at a rate of 26.3% every year. The IT exports reached 50,000 crores in 2013-14 and ranked fourth in India. Andhra Pradesh is targeting the third place in Information Technology exports in the country. The state's contribution to total IT exports from the country was 15 percent. The service sector of the state already accounts for 43% of the GSDP and employs 20% of the work force. Significantly, a whopping 25,000 new jobs were created in the Information Technology sector in the state in 2013-14 compared to just 15,000 the previous year. All these industries demand technical manpower with different specializations. Industrial growth is the essential component for the development of the nation. Multinational companies are investing in these different industries. Andhra Pradesh is one such state which is in the forefront in the industrial scenario. Hence, there is a trained manpower requirement with post-graduation in Engineering and Technology.

- The Andhra Pradesh Industrial Policy 2009-14 intends to build prosperous Andhra Pradesh through development of Human and Natural Resources in a systematic Scientific and sustainable manner.
- It aims to provide additional employment for above 10 Lakh persons by 2014 attracting 2,00,000/- Crores of investments and enhance the contribution of manufacturing sector of the state GDP from the current level of 11.65% to 13.8% by 2014 focusing on skill and entrepreneurship development.
- It plans to setup Special Economic Zones [SEZ] specific to aerospace, machine tools, high tech manufacturing, steel and cement, IT and BT, Food Processing, Automobile, Textile and Garments, Chemical and Pharmaceuticals, Power Generation, Electronics and print Media etc. The projected export in the field of IT Sector in the year 2014-15 is estimated to Rs. 50,000/-Crores.

The Present Global Investment in the state:

- Recently concluded Global investors meet has attracted an investment of nearly Rs. 3,00,000/- Crores with an employment potential of One Million Jobs
- Chittoor District has the neighborhood of major industries and has substantial investment during the recent years.
- Madanapalle Institute of Technology & Science will interact with Govt. of Andhra Pradesh and industries to get a collaborative support in Education. Training, Research and competencies.

The Road ahead for the Institute towards the Industrial Growth:

- Availability of Skilled human Resources including trained technical man power in engineering and technology is a major reason for growing investments in the state.
- The Institute has developed a brand image over the last 16 years of the existence in training the technical man power.
- The institute availed every opportunity available to continuously improve the quality of Education by strengthening the infrastructure, upgrading the faculty qualification and creating improved facilities for students.
- The selection of Madanapalle Institute of Technology and Science, Madanapalle under TEQIP - Phase-II under Sub-Component 1.1 will benefit the students in improving the quality of their learning and better employment and faculty in increasing their competence in teaching and research and the staff in rendering improved quality of services to students and faculty.

All these activities will transform Madanapalle Institute of Technology and Science, Madanapalle, in to a world class Technical Institution thereby serving the People of Andhra Pradesh, India and the World at large.

2.9 Describe briefly the participation of departments/faculty in the IDP preparation.

For the preparation of proposal and implementation of IDP following specialized committees with a properly integrated mechanism were formed involving Department and Faculty.

- Following Staff/ Faculty Participated in Preparing Institutional Basic Information
  - i) Principal
  - ii) HODs
  - iii) Training and Placement Officer along with the coordinators
  - iv) Controller of the Examination
  - v) Senior Faculty members
  - vi) Superintendent of Establishment, Academics, Finance, Examination sections.

SWOT analysis, strategic planning and key activities

- SWOT analysis was carried out involving stake holders, predominantly students and Faculty members of the institute. Other stake holders include Alumni, Employers of Alumni, Parents and General Public of Madanapalle Town.
- Based on the SWOT analysis strategic planning was developed for the Institution and the following are the principle participants in preparation of strategic plan-
  - Heads of the Departments
  - Nodal Officers
  - Senior Faculty Members of each department
- Key Activities were proposed and were linked with the results of SWOT analysis through a series of brain storming sessions.

Key activities, Specific Objectives and Expected Results of our Proposal

- Brain storming sessions were held at the Department level involving Head of the Department, Faculty Members and Staff.
- The key activities identified at the department level have been thoroughly discussed at the HODs' meeting involving project coordinators and Nodal officers.
- These key activities have been presented in the workshop conducted at Madanapalle Institute of Technology and Science, Madanapalle, on 9th and 10th February 2015 for further suggestions.

Increased Learning Outcome hence improved employability of Graduates

Feedback received from Alumni, Employer or Alumni, Students, parents has been discussed and analyzed at the institute level to establish effective teaching learning process by adopting emerging trends in educational and technical media and method.

Institutional Reforms

Non-Academic Reforms: Top management including Trustees, Heads of the Institution, Faculty members, University Nominee, Industrial Experts.

Academic Reforms: Principal, Head of the Departments, Faculty Members, Technical Supporting Staff, Industry Experts, University Experts.

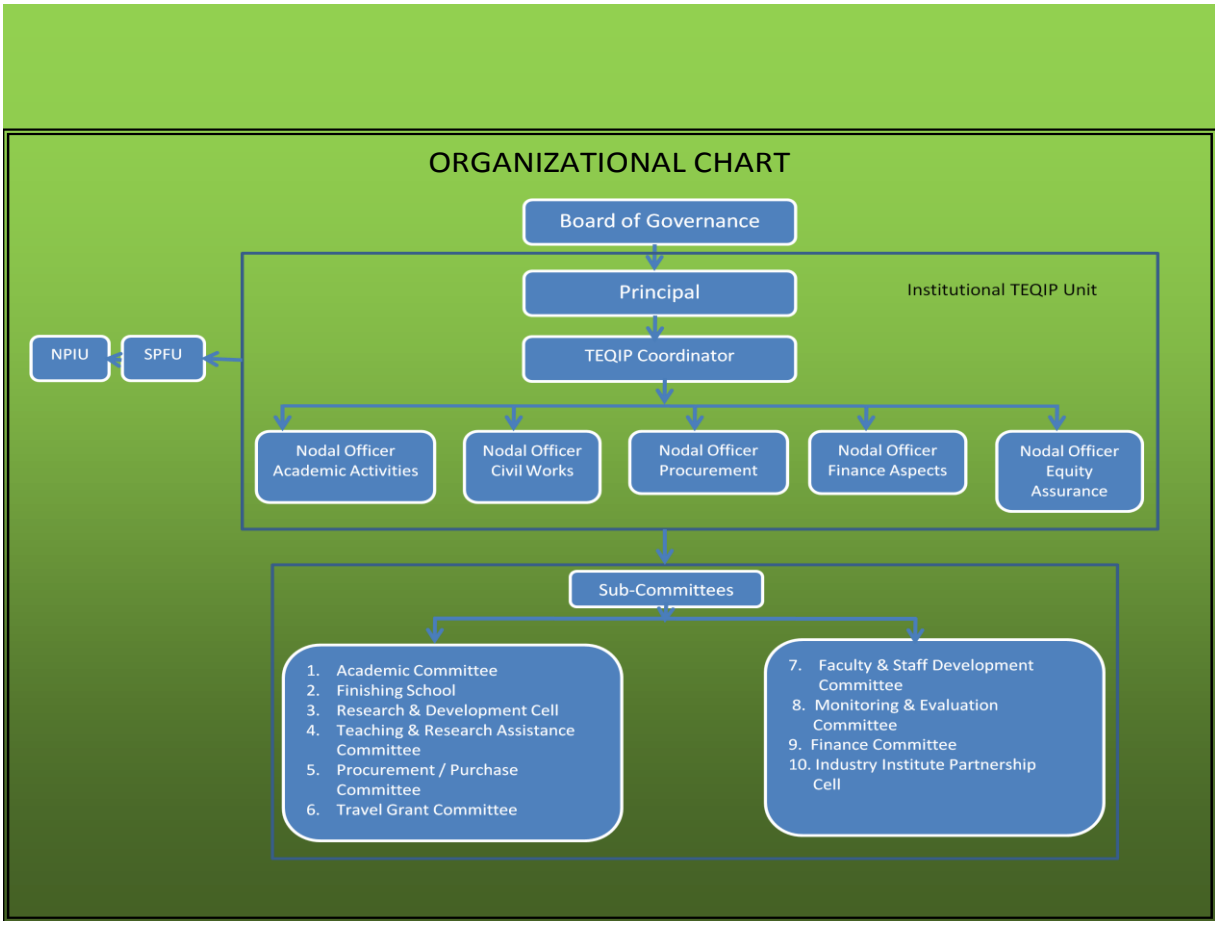
2.10 Describe the Institutional project implementation arrangements with participation of faculty and staff.

MITS is managed by a BoG that has been constituted in accordance with AICTE guidelines and the list of members is given in Annexure. The activities undertaken by the institute ever since II Subcomponent

1.1 was announced has been regularly reported to the BoG as and when it met. All decisions related to project implementation will be approved by the BoG for further action by the Principal.

The institute has formed the various action groups involving faculty and staff for implementation and monitoring of various activities to ensure for proper project implementation. Regular weekly meetings will be conveyed to supervise the implementation process under the supervision of nodal officers under the chairmanship of the Principal.

TEQIP Phase II Subcomponent 1.1 Implementation Unit has been constituted as shown in the organization chart shown below and sub-committees are as in Annexure.



i. Board of Governors (BOG):

Composition: The BOG of the institute is appointed by Sri.N. Vijay Bhaskar Choudhary, Chairman Ratakonda Ranga Reddy Educational Academy. The BOG consists of Eminent persons, who are serving the society for quite a long time, reputed Educationalists and Industrialists including Govt nominees and representatives of University, AICTE, UGC and Directorate of Technical Education.

Take all policy decisions with regard to smooth and timely implementation of the institutional developmental activities.

- Enable implementation of all academic and non-academic institutional reforms
- Ensure proper utilization of project fund and timely submission of Financial Management Reports (FMRs) and Utilization Certificates
- Ensure compliance with the agreed procedures for procurement of goods, works and services, and financial management
- Ensure compliance with other requirements under the project such as Equity Assurance Plan (EAP), Environment Management Plan (EMP) and Disclosure Management Framework (DMF) and
- Monitor progress in carrying out all the proposed project activities, resolve bottlenecks, and enable the institution to achieve targets for all key indicators.

ii. Institutional TEQIP unit:

An institutional TEQIP unit is headed by Head of the institution and it includes representation from faculty, senior advisors and administrative officers. The Head of the institution will be responsible for implementation of the project.

He shall be assisted by Institute **TEQIP coordinators**.

1.	Dr. C. Yuvaraj	Principal
2.	Dr. R. Ramachandra Prasad	TEQIP Coordinator
3.	Dr. A. R. Reddy	Nodal Officer-Academic Activities
4.	Dr. G. Harinath Gowd	Nodal Officer-Procurement
5.	Dr. D. Pradeep Kumar	Nodal Officer-Finance
6.	Dr. M. Sreedevi	Nodal Officer-Equity Action Plan
7.	Dr. K. V. R. B. Prasad	Nodal Officer-Monitoring and Evaluation

iii. **Academic committee:**

1.	Dr. C. Yuvaraj	Chairman
2.	Dr. G.Hampamma	Member Secretary
3.	Dr. P. Murali	Member
4.	Mr.B.V.Krishna Rao	Member
5.	Dr.V.V.Kutumbha Rao	Member
6.	Dr.Subba Rao Ganta	Member
7.	Mr. D. Surendra Babu	Member
8.	All Heads of Departments	Member
9.	Dr.S.A.K.Jilani	Member
10.	Mr.V.Vamsidhar	Member
11.	Mr.B.Sreekanth	Member
12.	Mr.M.Maruthi Prasad	Member
13.	Dr.B.Venkata Raman	Member

14.	Dr.B.Ram Kumar	Member
15.	Mr.V.Sai Kumar	Member

Functions: This unit will be responsible for the overall promotion of academic excellence as per TEQIP guidelines.

- ✓ Planning, co-ordination and monitoring of curriculum design teaching/ learning processes, performance evaluation of students in UG and PG programmes and course work of Ph.D. Programmes.
- ✓ Getting accreditation form NBA.
- ✓ Getting the autonomy status for the institution.
- ✓ Overseeing/monitoring faculty-guide student meetings/seminars related to PG and Ph.D. programmes.
- ✓ Introducing and evaluating innovations in engineering education.
- ✓ Creating facilities to support UG, PG and Ph.D. programmes.

iv. Procurement committee:

1.	Dr.C.Yuvaraj	Principal
2.	Dr.G.Harinath Gowd	Procurement Nodal Officer
3.	Dr.V.Ramchandra Prasad	Member
4.	Mr.B.Sreekanth	Member
5.	Dr.M.Sreedevi	Member
6.	Dr.A.R.Reddy	Member
7.	Dr.K.V.R.B.Prasad	Member
8.	Dr.Pradeep Kumar	Finance Nodal Officer
9.	Mr.M.Vamsi Krishna	Member

Functions: The committee is responsible for:

- ✓ Training regarding procurement procedure to all concerned.
- ✓ Tender documents for equipment and furniture.
- ✓ Identifying consultants etc.

v. Finance committee:

1.	Dr.C.Yuvaraj	Principal
2.	Dr. D. Pradeep Kumar	Finance Nodal Officer
3.	Mr. M.Vamsi Krishna	Member
4.	Dr. Ravi Srinivasa Rao	Member
5.	Dr. K. Ramesh	Member
6.	Mr. M.V. Jagannatha Reddy	Member

Functions: This committee will be responsible for:

- ✓ Budget preparation.

- ✓ Financial outflow, performance audit report preparation, ensuring improvements in financial practices, preparation of financial management reports, procurement management procedure.

vi. Monitoring and Evaluation committee:

1.	Dr.C.Yuvaraj	Principal
2.	Dr.K.V.R.B.Prasad	Monitoring & Evaluation Nodal Officer
3.	Dr. V. Ramachandra Prasad	Member
4.	Mr. R. Shaik Khadarvali	Member
5.	Mr. M. Venkatsreenu	Member
6.	Mr. B. Krishna Sagar	Member
7.	Mr. A. Balaraju	Member

Function: The committee will be responsible for:

- ✓ Evaluation and monitoring of various activities under taken in the composite proposal.
- ✓ If there is any mismatch or short falls with respect to targeted output and quality, it is to be brought to the notice of concerned authority and remedial measure may be taken / suggested.
- ✓ In addition to these units suggested in PIP, following cells are constituted for efficient implementation of the activities expected in TEQIP.

Faculty and staff development committee:

1.	Dr. C.Yuvaraj ,	Principal
2.	Concerned HODs	Member
3.	Dr. A. R. Reddy	Academic Nodal Officer
4.	Dr. K. V Chakradhar	Member
5.	Dr. C. Kamal Basha	Member
6.	Dr. G.Hampamma	Member

Function: This committee will be responsible for:

- ✓ Preparation of action plan for staff development programmes.
- ✓ Identifying weak areas for strengthening, organizing conferences, workshops and seminars of national and international levels.
- ✓ Identifying national and international training destination

Research and Consultancy committee:

1.	Dr. B. Venkata Raman	Chairman
2.	Dr.C.Yuvaraj, Principal	Member
3.	Dr. V. Ramachandra Prasad	Member
4.	All the head of the departments	Member
5.	One Senior faculty from each department	Member

Function: This committee will be responsible:

- ✓ To help and guide the faculty in promoting research and consultancy activities in various emerging areas.
- ✓ To draw action plan for effective interaction in R&D, faculty exchange, training programmes, joint research, joint academic activities.
- ✓ To ensure proper network arrangement, student exchange, organizing resource sharing, library sharing etc.

Industry Institute Interaction cell:

1.	Dr.C.Yuvaraj	Chairman
2.	Dr. Ch. Rama Prasada Rao	Member Secretary/Convener
3.	Dr.I.Gopinath	Member/co-convener
4.	Mr.J.Sarvana babu	Member/ Senior Training and Placement officer
5.	Mr. P.Rayudu	Member
6.	Dr.G.Harinath gowd	Member/HOD ME
7.	Dr. A.R. Reddy	Member/HOD ECE
8.	Dr.K.V.R.B.Prasad	Member/HOD EEE
9.	Dr.M.Sreedevi	Member/HOD CSE
10.	One faculty from each department	

Functions:

This committee will be responsible for:

- ✓ Preparation of directory of industries with scope for interaction, identify areas of collaboration, identify different level of interaction, and identifying sponsored research possibilities, periodic meetings with industries.
- ✓ Identifying and implementing corporate training programmes.
- ✓ Organizing internship for faculty and students.

Institutional Project Budget. Rs. in Lakhs

S #	Activities	Project Allocation	2015-16	2016-17
1	Infrastructure improvements for teaching training and learning through			
	(i) Modernization and strengthening of laboratories			
	(ii) (a)Establishment of new laboratories for existing PG programmes	**47.53**	**12**	**10**
	(b)Establishment of new laboratories for new PG programmes		**00**	**25.53**
	(iii) Modernization of classrooms *			
	(iv) Updating of Learning Resources	**60**	**40**	**20**
	(v) Procurement of furniture			
	(vi) Establishment / Up-gradation of Central and Departmental Computer Centers *			
	(vii) Modernization / improvements of supporting departments*			
	(viii) Modernization and strengthening of libraries and increasing access to knowledge resources	**5**	**3**	**2**
	(ix) Minor items			
2	Providing Teaching and Research Assistantships to increase enrolment in existing and new PG programmes in engineering disciplines	**288**	**133**	**155**
3	Enhancement of R & D and institutional consultancy activities*	**16**	**8**	**8**
4	Faculty and Staff Development (including faculty qualification Up-gradation, pedagogical training, and organizing/participation of faculty in workshops, seminars and conferences) for improved competence based on TNA	**88.06**	**60**	**28.06**
5	Enhanced interaction with industry	**40**	**25**	**15**
6	Institutional management capacity enhancement	**8.9**	**5.9**	**3.0**
7	Implementation of institutional reforms	**30**	**15**	**15**
8	Academic support for weak students under the ages of Finishing School	**20**	**12.7**	**7.3**
9	Technical assistance for procurement and academic activities	**6**	**3**	**3**
10	Incremental Operation Cost	**34.425**	**20**	**14.425**
	Total	**643.915**	**337.6**	**306.315**

Targets against the deliverables listed are listed below:

Project Targets for Institutions under Sub-Component 1.1

S #	Deliverables	Baseline	Targets to be achieved	
			At the end of 2015	By project closing
1	Number of students registered for (a) Masters in Engineering programme (b) Doctoral programme in Engineering	 120 18	 300 30	 300 30
2	Revenue from externally funded R&D projects and consultancies in total revenue (Rs. in Lakh)	107.35(Lakhs)	300 Lakhs	300 Lakhs
3	Number of publications in refereed journals (a) National (b) International	 87 511	 100 580	 110 620
4	IRG as % of total annual recurring Expenditure	6.5	10	12
5	Number of co-authored publications in refereed journals (a) National (b) International	 30 160	 50 180	 60 220
6	Student credentials (a) campus placement rate of • UG students • PG students (b) average salary of placement package for (Rs. in Lakh) • UG students • PG students	 45% 25% 3.09 Lakhs 2.79 Lakhs	 85% 40% 3.00 Lakhs 3.60 Lakhs	 85% 40% 3.00 Lakhs 3.60 Lakhs
7	Number of collaborative programmes with Industry	00	01	01
8	Accreditation status (Obtained/applied)	04(obtained) 04(Eligible)	UG Re-accreditation + P.G accreditation	100% of eligible UG +PG programmes
9	Vacancy position for faculty and staff	2%	Vacancy reduced to 10% or less	zero
10	Percentage of regular faculty with a Master's Degree , Doctorate Degree in Engineering disciplines	 82% 18%	Targeted to be 60% of masters and 40% of doctorate degree holders	Targeted to be 50% of masters and 50% of doctorate degree holders

S #	Deliverables	Baseline	Targets to be achieved	
			At the end of 2015	By project closing
11	Transit rate from 1st to 2nd year for the following: • All Students • SC students • ST Students • OBC Students • Women Students	 45.25 12.5 16.67 40.75 53.30	 65 50 51 60 75	 85 65 65 80 85
12	Autonomy status	Obtained autonomy	Obtained autonomy	Deemed/Private university
13	Enrolment of faculty with only Bachelor Degree for qualification up-gradation	00	Minimum qualification for the Asst.Professor is M.E./M.Tech	
14	Any other academic deliverables (maximum 3)			
(i)	% of High Quality UG Students	25	70	70
(ii)	No. of Patents Obtained / Filed	02	02	02
(iii)	No. of Entrepreneurs	05	08	10

Action plan for ensuring that the project activities would be sustained after the end of the project

The corpus fund created during the TEQIP Phase-II project period will be partly utilized for sustaining activities after completion of the project. The Management of MITS has always been responsive to the institutional development needs and will certainly continue funding those activities which have to be sustained. Institute also expects complete involvement of faculty and students which will help long way in sustaining. Briefly the following are the actions for sustenance:

- Increase in the quality of human resources with increase in Ph.D. holders, post graduates the quality of technical education will enhance learning outcomes and employability of students which converts the institute into a technical hub, resulting in improvement in IRG.
- Increase in MOUS with Industry/R & D Centers, Institutions etc, will generate additional IRG through technical expertise, industrial projects, consultancy etc.
- Innovations in undergraduate projects will develop a brand image of the institute to the extent of attracting more funds from the industries, Govt. organizations contributing to the development of the institute.

- With high technical competence at the end of the project, the institute can attract funds from MHRD, State/Central Govt. for taking up projects relating to socio-economic uplift of the region.
- Madanapalle Institute of Technology and Science, Madanapalle, is run by Ratakonda Ranga Reddy Educational Society. The Society is capable of continuing funding towards the over-all development of the institution even after the project.

2.15 Procurement Plan for the first 18 months

2.15.1 Procurement Plan for 18 months for soft components

Package No	Sl. No	Activities	Description of works/goods	Estimated cost (Rs in lacks)	Method of procurement	Design/investigation Completion/ specification finalization (date)	Estimate sanction (date & value)	Preparation of Bid document (date)	Receipt of Bank's No Objection to Bidding document (date)	Bids		Contact award (date/value)	Date of completion of contract
										Invitation (date)	Opening (date)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	1	Modernization of M.Tech EPS lab with latest equipment in EEE Dept	**Equipment**	**5.99**	Through Quotation	15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015
2	2	Setting up of Power Electronics and Drives Lab for EEE Dept.	**Equipment & software**	**10.22**	Through Quotation	15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015
3	3	Setting up of Power Electronics and Drives Simulation Lab for EEE Dept.				15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015
4	4	Setting up of Flexible AC transmission system lab for High Voltage Engg in EEE Dept	**Equipment & Software**	**6.32**	Through Quotation	15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015
5	5	Setting up of Simulation lab for High Voltage Engg EEE Dept				15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015
6	6	Procurement of Books	**Books**	**20.0**	Through Quotation	15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015

Package No	Sl. No	Activities	Description of works/goods	Estimated cost (Rs in lacks)	Method of procurement	Design/investigation Completion/ specification finalization (date)	Estimate sanction (date & value)	Preparation of Bid document (date)	Receipt of Bank's No Objection to Bidding document (date)	Bids		Contact award (date/value)	Date of completion of contract
										Invitation (date)	Opening (date)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
7	7	MATLAB	Software	**20**	Through Quotation	15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015
8	8	E-Journals	Software	**40**	Through Quotation	15th nov 2015	30th Nov 2015	20th Dec 2015				31 Dec 2015	12th Dec 2015
9	9	Turnitin	Software	**15**	Through Quotation	15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015
10	10	E-Tab	Software	**5**	Through Quotation	15th June 2015	30th June 2015	20th July 2015				5th September 2015	12th December 2015
				122.53									

2.15.2 Provide a Procurement Plan for the first 18 months for Consultant Services with budget and time frame.

S #	Activities	Description of Services	Estimated Cost (Rs) in lakhs	Methods of Selection @	TOR Finalization (Date)	Advertise-ment(Date)	RFP Final Draft to be Forwarded to the Bank (Date)	No Objection from the Bank for RFP (Date)	RFP Issued (Date)	Proposals Received (Date)	Evaluation (Date)	No Objection by the Bank (Date)	Contract Value and Date of Award	Contract Completion(Date)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Inviting Faculty from Peer Institutions	Opinion & Guidance	2.0	Competitive QCBS	20th June 2015	NA	NA	NA	25th June 2015	10th July 2015	15th July 2015	NA	25th July 2015	25th Aug 2015
2	Purchase & setting up of new Labs for PG& Research	Opinion & Guidance	3.0	Competitive QCBS	20th June 2015	NA	NA	NA	25th June 2015	10th July 2015	15th July 2015	NA	25th July 2015	25th Aug 2015
3	Effective handling & Maintenance of Equipments& Machines	Training & Guidance	2.0	Competitive QCBS	2nd Jan 2016	NA	NA	NA	10th Jan 2016	20th Jan 2016	25th Jan 2012	NA	10th Feb 2012	28th Feb 2012
4	Guidance for the Faculty regarding various National & International Funding (IRG) through Mentoring	Training & Guidance	3.0	Competitive QCBS	30th Oct 2016	NA	NA	NA	10th Nov 2016	22nd Nov 2016	30th Nov 2016	NA	5th Dec 2016	20th Dec 2016
5	Deemed University status	Training & Guidance	6.0	Competitive QCBS	30th April 2015	NA	NA	NA	10th June 2015	22nd June 2015	30th jun2015	NA	5th Oct 2015	30th Dec2015
Total			16											

2.16 Provide any other information related to special academic achievements as given eligibility proposal of the Institution.

The achievements of the Institution are as under:

- All the Departments of MITS has been accorded the Authorized Research Center by JNTUA, Anantapuram in order to produce Ph.Ds.
- T.Nagabhushanam Reddy and C.S.Soumya Sree stood First and won Gold Medal in B.Tech Mechanical Engineering in JNTUA, Anantapuram for the academic year 2008-12 and 2010-2014.
- NAFEMS is a strategic partner with MITS to organize the Techno Academic programs.
- MITS R&D bagged 2 UGC Major Research Projects ,2 DST Women Scientist Project, and 21 UGC Minor Projects whose total worth of 10732000/-
- AP State Skill Development Corporation center at MITS campus
- IBM awards MITS as one of the top 50 colleges of the country
- MITS is one of the members in IUCEE consortium.
- Increase in R & D activities by starting a Research Centre in Every Engineering Department during 2014-2015.
- Awards to the student projects (1^{st} prize) by IBM, during 2006-2007.
- One of our students has been selected for Aegis Graham Bell award with full scholarship for pursuing MS during 2009-2010.
- One of our students presented a paper in an International Conference held at ASEE (American Society for Engineering Education) Cape Town, South Africa and offered the admission to Master's programme with full scholarship during 2008-2009.

2.17 Institutional Management Capacity Enhancement

The proposed institutional management capacity enhancement details are furnished in section 2.3 under specific objectives, expected results and link with SWOT analysis. The time frame for implementation is given in the following table:

Action plan for Institutional Management Capacity Enhancement

Sl. No	Key Activity	Time Frame for Implementation (Months)		
		0-6	6-12	12-18
1.	Performance-based incentive schemes for students, faculty and staff.			
2.	Constituting Industry Advisory Group.			
3.	Customized orientation workshop for HODs & Senior Faculty Members on Management of IRG.			
4.	Study Tour of Principal & Senior Faculty Members to different institutions of repute for studying the innovations being introduced in engineering education, facilities created & exploring possibilities of collaboration with MITS.			
5.	Study tour of HODs & Senior Faculty Members to IISc& IITs to study the mechanisms of IRG through sponsored research, consultancy & continuing education projects, incentives for faculty, and mechanisms for translating research findings into practical action.			
6.	Customized In-house Faculty Workshop on Competence Building for Industrial Consultancy.			
7.	Customized In-house Faculty Workshop on Competency Building for Industrial Consultancy.			
8.	Engineering Education Innovation Center (EEIC) at MITS.			
9.	In-house Seminar to disseminate & exchange experiences & ideas gained by Senior Faculty with younger Faculty members.			

Cost Estimate for institutional management capacity enhancement

Sl. No.	Cost component	Total Cost (` in lakh)
1	Customised orientation workshop for HODs & senior faculty members on the management of IRG - one workshop during the project period	0.5
2	Study tour of the principal & senior faculty members to different institutes for studying the innovations being introduced in engineering education, facilities created & exploring possibilities of collaboration with MITS (8* Rs 0.25 lakhs `)	2
3	Study tour of HODs & senior faculty members to IISc& IITs to study the mechanism of IRG through sponsored research, consultancy & continuing education projects, incentives for faculty, mechanisms for translating research findings into practical action (12*Rs0.2 lakhs `)	2.4
4	Customised in-house faculty workshop on competence building for industrial consultancy (2 programmes @ Rs0.5 lakh`)	1
5	Customised in-house faculty workshop on enhancing research capabilities including IT skills (4 programmes @ Rs0.25 lakh`)	1
6	Workshop on strategic visioning for Management personnel, Principal, HODs and senior faculty members (1 numbers @ Rs 1 lakh per programme)	2
Total		**8.9**

Cost Estimate for consulting services

Sl. No.	Cost component	Total Cost (` in lakh)
1	Inviting expert faculty from peer institutes / universities for opinion and guidance @ Rs2 lakhs per man month including travel and accommodation for 1 man months	2.0
2	Inviting experts from premier institutions such as IITs and IISc as Mentors for research interactions and guidance on IRG through Consulting @Rs1 lakhs man month for 3 months	3.0
3	Inviting consulting experts for establishing new PG &research laboratories on focused research centers, etc @Rs 1 lakh per man month for 3 man months	3.0
4	Training & Guidance on Effective Handling & Maintenance of Equipment's& Machines	2.0
5	Deemed/Private university status	6.0
Total		**16.0**

Cost estimation Library & learning resources

Sl. No.	Item	Description	Total Amount (lakh `)
1	Updating of learning resources	Procurement of print and digitized books and e-Journals	60
2	Modernization and strengthening of library e-learning initiative	Digitization of library books	5
		Membership of INDEST-AICTE etc.	
		Digitization of subjects & delivery system	
Total			**65**

Cost Estimate for incremental operating cost

Sl. No.	Cost component	Total Cost (lakh `)
1	Institutional TEQIP office expenditure including travel, meeting expenditure, additional staff salary, audit fees, etc. @ Rs. 0.85 lakh per month for 18 months	15.3
2	Annual maintenance cost for the office computer systems, sophisticated equipment, renewal of software licenses, consumables for PG laboratories etc. @Rs.5.5 lakhs per year for 18months	8.25
3	Printing of brochures, manuals, reports, etc. @Rs.1.75 lakh per year for 18 months	2.625
4	Contract fee for outsourcing services @Rs. 2lakh per year for 18months	3
5	Expenditure for participation of faculty (TEQIP officers) in conferences and seminars @ Rs. 3.5 lakhs per year for 18months	5.25
Total		**34.425**

List of Faculty with their Qualifications, Designation, Subject/ Area of interest and Training programme attended

Electrical and Electronics engineering

S. No	Name	Qualifications	Designation	Specialization	Subject/area of interest	Training programs attended
1	Dr. K.V.R.B. Prasad	Ph.D.	Professor	Electrical power systems	Electrical Machine Design, Optimization, Power Electronics and Power Systems	▪ F.D.P. on Network Analysis during 18/06/2012 to 22/06/2012 ▪ Presented a paper titled "Optimum Design of Turbo-Alternator Using Modified NSGA-II Algorithm" during "Bio-Inspired Computing: Theories and Applications, 2012 (BIC-TA 2012)" during 14/12/2012 to 16/12/2012 ▪ National Level Workshop on "Autonomous Status of Engineering Institutions – The Road Map" during 11/01/2013 ▪ International Symposium "VIKAS-2013" at Visveswaraiah Technical University, Belgaum during 19/04/2013 & 20/04/2013 ▪ F.D.P. on Current Trends in Smart Grid during 03/06/2013 to 05/06/2013 ▪ Training Programme on Management Capacity Enhancement for Administrators during 12/01/2014 to 18/01/2014 ▪ Workshop on "Academia Industry Management for Creating Sustainable Employability" during 06/04/2014
2	Dr. B. Rama Kumar	Ph.D.	Professor	Solar Energy	Solar Energy	▪ NILL
3	Dr.C.Kamal	Ph.D.	Assoc.Pr	Control systems	Control	▪ Innovative Trends in "Electrical, Power Control,

	Basha		ofessor		systems, Power Electronics and drives	Electronics and Communication Engineering" (EPCECE – 2014) during 18-01-2014 to 19-01-2014. ▪ Effective teaching continuing education program during 13-10-2014. ▪ Outcome based education approach in engineering curriculum during 26-08-2014 to 27-08-2014. ▪ Training on Management Capacity Enhancement for Administrators during 24-09-2013 to 30-09-2013 ▪ One day workshop on MIT edX Workshop in collaboration with Government of Andhra Pradesh at Bits, during 23-12-2013.
4	Dr.K.Ramesh	Ph.D.	Associate Professor	Control systems	Linear Control System Design, Model order reduction	▪ CSIR sponsored National workshop on Recent Trends in Solar Photovoltaic Electric Conversion Systems during April 19-20, 2013 ▪ MNRE sponsored National Seminar on Energy from Waste during July 17-18, 2013 ▪ DRDO sponsored National Seminar on Recent Advances in Power Electronics Technology for Electrical Machine Drives during July 29-30, 2013 ▪ National level workshop on Electrical system design using C2000 Processor during February 14, 2014. ▪ Workshop on Outcome Based Learning during November 14-16, 2014. ▪ Seminar on Embedded Systems and during Communication Protocols used in Automobiles during December 12-13, 2014. ▪ Workshop on Innovative Undergraduate Labs for Control, Mechatronics, and Robotics during January 05, 2015.

						▪ Workshop on Effective Teaching and Learning during January 06, 2015 ▪ International Conference on Transformations in Engineering Education during January 05-08, 2015 ▪ Workshop on Outcome Based Learning during February 06-08, 2015
5	Shaik Khadarvali	M.Tech	Assistant Professor	Power Systems	Power Systems	▪ L&T metro rail Hyderabad during 15-04-2014 ▪ Interactive session with Mr. Amory B Lovins CII, Hyderabad during 12-07-2014 ▪ FDP on Instructional Design and Delivery Mits, Madanapalle. During 22-12-2014 to 26-12-2014
6	B.Chandrasekhar	M.Tech	Assistant Professor	Power Systems	Power Systems	▪ smart transmission grid challenges-integration of renewable during 20-03-2014 to 21-03-2014. ▪ Smart transmission grid challenges –integration of renewable during 20/03/2014 to 21/03/2014.
7	D .Chinnakullayreddy	M.Tech,(PhD)	Assistant Professor	power electronics and drives	power electronics and drives	▪ FDP on Contemporary issues in Accreditation of Engineering Programs" at NIAS Auditorium, IISc Campus Organized by EDUMATIC SOLUTIONS, Bangalore. During 19-05-2014 to 21-05-2014. ▪ FDP on Current trends in smart grid during27-6-2013 to 29-6-2013
8	M.Kishore	M. Tech	Assistant Professor	power electronics and drives	power electronics and drives	▪ Smart Transmission Grid Challenges –Integration Of Renewable During 20/03/2014 To 21/03/2014 ▪ Research & Teaching Methodologies in Electrical Engineering held at IIT Hyderabad During 11/12/2014 To 12/12/2014
9	Vasu.Koneti	M .Tech(Ph.D)	Assistant Professor	Control systems	Control Systems, Neural	▪ Orientation program of Engineering Faculty towards Sponsored Research during 04-05 Oct 2013 ▪ Pedagogy Training Module – I during 25-29 Nov

					Networks, Fuzzy	2013 5 days
10	Malepati Lokesh	M.Tech	Assistant Professor	Power and industrial drives	Power and Industrial Drives	▪ Electro Magnetic Transients in Power Systems, CPRI Bangalore during 24-01-2013 to 25-01- 2013 ▪ FDP on Current trends in smart grid during 03-06-2013 to 05-06- 2013
11	G Ravi Prakash	M.Tech	Assistant Professor	Electrical Power Systems	Electrical Power Systems	▪ 13th Energy Efficiency Summit 2014 by Confederation of Indian Industry (CII) during 29-10-2014 to 01-11-2014. ▪ RENERGY 2014, an International conference & Expo on Renewable Energy during12-06-2014 to 14-06-2014 ▪ Current trends in smart grid during 03-06-2013 to 05-06-2013 ▪ NSTE 2013, Micro Grids : Laboratories to Real Markets during 22-02-2013 to 23-02-2013
12	K.V.Satheesh babu	M. Tech(Ph. D)	Assistant Professor	Electrical Power Systems	Electrical Power Systems	▪ Reliability applications to power distribution systems during 22.11.2014
13	J.Sivanvitha	M. Tech	Asst. Professor	Electrical Power Systems	Electrical Power Systems	▪ one day National level workshop on "NPTEL AWARNESS during 4-01- 2013 ▪ training program on "Solar Photo Voltaic Grid Connected Power Plant" during 25th Feb. to 2nd March 2013 ▪ Faculty Development Program on "Current Trends in Smart Grid" during 3rd June to 5th June, 2013

14	B Sreenivasa Raju	M .E (IDC)	Asst. Professor	Power Electronics and Drives	Power Electronics and Drives	▪ Three-Day work shop on Modeling & Simulation using Mat lab simulink during 22-02-2013 to 24-02-2013 ▪ Four Day workshop on Recent Trends and Practical Applications of Power Electronics in Power systems with mat lab Exposure at ESCI ,Hyderabad during 29-01-2014 to 01-02-2014 ▪ One week FDP on Recent Trends and Advances in Power Electronics and Drive at Osmania University , Hyderabad, during 12-05-2014 to 17-05-2014. ▪ Four day workshop on Energy Summit -2014 at CII5,Hyderabad during 28-10-2014 to 01-11-2014
15	Srinivasulu A	M.E	Asst. Professor	V.L.S.I Design	Electrical Circuits, Digital Electronics, Electrical Machines, Demand side management, solar panel design.	▪ Modeling & simulation using Mat lab during 22-02-2013 to 24-02-2013. ▪ Current trends in smart grid during 03-06-2013 to 05-06-2013.
16	Ramamurthy. BM	M-TECH	Teaching Assistant	Electrical Power Systems	Electrical power Systems	▪ International work shop on Building Eructation Research Program in Power during 27th to 1st July 2011 ▪ Network analysis (FDP) during 18th to22nd June ▪ Current trends in smart grid (FDP) during 3rd to 5th June 2013
16	G.S. Bharathi	M-TECH	Teaching assistant	power electronics	power electronics	Nill

17	A. Chandrakala	M-TECH	Teaching assistant	Electrical Power Systems	Electrical Power Systems	▪ Current trends in smart grid (FDP) during 3rd to 5th June 2013
18	M. Lokanatha	M-TECH	Teaching assistant	Electrical Power Systems	Electrical Power Systems	▪ Current trends in smart grid (FDP) during 3rd to 5th June 2013
19	B Swamikonda	M-TECH	Teaching assistant	power electronics	power electronics	▪ Nill

Electronics and Communications Engineering

S.No	Name	Qualifications	Designation	Specialization	Subject/area of interest (Research area)	Training programs attended
1	Dr. A. P. Kabilan	Ph.D.	Professor & Dean			
2	Dr. A. R. Reddy	Ph.D.	Professor & Head	Embedded systems and Cryptography	Cryptography. VLSI and Embedded systems	Management capacity enhancement program ,IIM Indore
3	Dr. S. A. K. Jilani	Ph.D.	Professor	Embedded systems and image processing	Embedded systems and image processing	Management capacity enhancement program ,IIM Indore

4	Dr. J. L. Mazher Iqbal	Ph.D.	Professor	VLSI Signal Processing	VLSI Signal Processing	Bangalore
5	Dr. Shaik Sahib Basha	Ph.D.	Professor			
6	Dr. Ravi Srinivasa Rao	Ph.D.	Professor	EMF theory	Electromagnetic scattering	Training Program for NBA Criteria & Accreditation Process, JNTUA
7	Dr. Gautam Narayan	Ph.D.	Assoc. Professor	Solar Physics	Communication Systems and solar magnetic fields	ICTIEE 2015, Bangalore
8	Dr. Mahesh	Ph.D.	Assoc. Professor	Image processing	Embedded systems and image processing	ICCCNT, Coimbatore
9	Mr. Ghouse Mohiuddin Khadarabad	B.E.,M.E.,M.B.A.	Assoc. Professor			
10	Mr. S. Javeed Hussain	M.Tech.,(Ph.D)	Assoc. Professor	Embedded systems, image processing and DSP	Embedded systems and image processing	ICTIEE 2015, Bangalore
11	Mr. M. Jagadeesh Babu	M.Tech.	Assoc. Professor	Applied electronics	Embedded systems and wireless sensor networks	IEEE conference organizers, vizag
12	Mr. B. Sukumar	M.Tech.,(Ph.D)	Assoc. Professor	Digital electronics and Communication Systems	Image processing and VLSI design	JNTUA , Anatapur
13	Mr. V. Sai Kumar	M.Tech.	Assoc. Professor	VLSI Design	Nano Technology	JNTUA , Anatapur
14	Mr. M. Sreenath Reddy	ME.,(Ph.D)	Asst. Professor	Applied electronics	Statistical signal processing	Complemetary domains-JNTUA

15	Mr. S. Arun	M.Tech.	Asst. Professor	VLSI Design	Digital Design	VIT , Chennai
16	Ms. C. K. Hemantha Lakshmi	M.Tech.	Asst. Professor	VLSI System Design	VLSI, Embedded systems	MGIT, HYD
17	Mrs. G. R. Hemantha	M.Tech.	Asst. Professor	Digital electronics and Communication Systems	Steganography and VLSI	Pedagogy training program conducted by NITTTR, Chandigarh
18	Mr. J. T. Pramod	M.Tech.	Asst. Professor	Digital electronics and Communication Systems	Embedded systems, Signal and image processing	BITS,Hyd,OBE Workshop
19	Mr. P. R. Rathna Raju	M.Tech.	Asst. Professor	Communication Systems	Analog IC Design	Speech processing,VRSE
20	Mr. M. Venkata Srinu	M.Tech.	Asst. Professor	Signal Processing	Filter Design	NITTTR, Pedagogy training program conducted by NITTTR, Chandigarh
21	Mr. R. Ravindraiah	M.Tech.	Asst. Professor	Digital electronics and Communication Systems	Image processing	ICDD, Tirupati
22	Mr. L. Ashok	M.Tech.	Asst. Professor	Telecommunications	Cryptography	CBIT, Hyd
23	Mr. P. Sravan Kumar	M.Tech.	Asst. Professor	Telecommunications	Wireless communications	CBIT, Hyd
24	Mrs. G. Nagaswetha	M.Tech.	Asst. Professor	Embedded systems	Embedded systems and VLSI	GRIET, Hyderabad
25	Mr. V. Satish	M.Tech.	Asst. Professor	Signal Processing	Signal Processing	BITS,Hyd,OBE

	Kumar					Workshop
26	Mr. D. Bala Krishna Reddy	M.Tech.,(Ph.D)	Asst. Professor	Signal Processing	Signal Processing for communications	Speech processing,VRSE
27	Mr. B. Vamsi Krishna	M.Tech.	Asst. Professor	Communications and signal processing	Embedded systems for wireless communications	JNTUCEH, Hyd
28	Mr. U. Sreenivasulu	M.Tech.,(Ph.D)	Asst. Professor	Wireless communications	Wireless communications	CBIT, Hyd
29	Mr. D. Girish Kumar	M.Tech.	Asst. Professor	Communication and signal Processing	Digital image processing	VRSE , Vijayawada
30	Mr. G. Sambasiva Rao	M.Tech.	Asst. Professor	Microwave engineering	Microwave antennas	SVEC, Tadepalligudem
31	Mr. P. Durga Nagendra Kiran	M.Tech.	Teaching Assistant	Embedded systems	Solar power and Robotics	
32	Ms. J. Mary Angel Asha Latha	M.Tech.	Teaching Assistant	VLSI Design	VLSI Design	
33	Mr. E. Ramesh	M.Tech.	Teaching Assistant	Digital electronics and Communication Systems	Image processing	
34	Ms. Haritha	M.Tech.	Teaching Assistant	VLSI System Design	VLSI Design	
35	Mrs. K. Keerthi	M.Tech.	Teaching Assistant	VLSI System Design	VLSI Design	
36	Ms. N. Himabindu	M.Tech.	Teaching Assistant	VLSI	VLSI	
37	Ms. C. Prasanna	M.Tech.	Teaching Assistant	VLSI Design	VLSI Design	

38	Mr. R. S. Shaikshavali Malik	M.Tech	Teaching Assistant	Micro and Nano Electronics	MEMS design	

Mechanical Engineering

S.No	Name	Qualifications	Designation	Specialization	Subject/area of interest	Training programs attended
1	Dr. G. Harinath Gowd	Ph.D	Profeeor & Head	Design	Design	BITS Pilani, Hyderabad
2	Dr. P. Suryanarayana Raju	Ph.D	Professor	CFD,Thermodynamics	Thermal	ISRO, Trivandrum
3	Drr. B. Eswara Kumar	Ph.D	Professor	Wind Engineering	Thermal	BITS,Hyd,OBE Workshop
4	T. Vishnu Vardhan	Ph. D	Asso. Professor	CAD/CAM	CAD/CAM	Bits, Hyd. MITS,MPL
5	Y. Amarnath	Ph.D	Professor	Civil Engineering	Structures	IUCEE Workshop,Bits Workshop
6	Dr. K. V. P. Chakradhar	M.E, Ph.D	Asso. Professor	Industrial Engineering, pdynamic Composites	Polymen Composites, IE	BITS,Hyd, OBL,JNTUA.
7	A. Balaraju	M.Tech	Asso. Professor	Vibrations	Design	International Conference on Transformations in Engineering Education
8	G. Sada Siva Prasad	M.Tech	Asso. Professor	Industrial Engineering	Industrial Engineering	TEQIP Conclave

9	CH. Sreenivasa Rao	M.Tech	Asso.Professor	Thermal Engineering	Thermal	Advances in thermal Engineering
10	V. Vamsidhar	M.Tech	Asso.Professor	Thermal Engineering	Thermal	NITTTR, Chandigarh
11	P. Rayudu	M.Tech	Asso. Professor	Thermal Engineerin	Thermal & IC Engines	NITTR,
12	P. Venkata Ramana	M.Tech	Asst. Professor	Thermal Engineering	I C Engines	NITTR
13	Bathina Sreenivasulu	M.Tech	Asst. Professor	Production	Robotics, Metrology	BITS, Hyd. ITI, Kharagpur
14	S. Praveen Kumar	M.E	Asst. Professor	Design	Design	JNTUH,IITH
15	Bezawada Sreenivasulu	M.E	Asst. Professor	Design	Design	NITTR
16	M. Vamsi Krishna	M.E	Asst. Professor	Design	Design	SPFU-TN and NPIU
17	M. Gunasekhar Reddy	M.E	Asst. Professor	Design	FEM,Design	Bits Workshop,Solid works workshop
18	V. Ajay	M.Tech	Asst. Professor	Thermal Engineerin	Thermal & IC Engines	NITTR
19	G. Guru Mahesh	M.Tech	Asst. Professor	Design	Optimization, FFCP	NITTR
20	S. Akbar Basha	M.Tech	Asst. Professor	Product Design	Composites	MGIT,Hyd
21	M. Subba Rao	M.Tech	Asst. Professor	Manufacturing	Smart material	MGIT,Hyd
22	R. Manu	M.Tech	Asst. Professor	Manufacturing Engineering	Amf Machining	Additive / Generative Manufacturing Technologies

23	S. Kareemula	M. Tech	Asst. professor	Manufacturing Engineering	Manufacturing Engineering	Vennar Ceramics,Bheemavarm.

Department of Computer science and Engineering

S.No	Name	Qualifications	Designation	Specialization	Subject/area of interest	Training programs attended
1	Dr. S. Murali Krishna	Ph.D.	Professor & Head			1.OBE Workshop-2 phases 2. Training on Python 3. Web Apps in Zorin Environment
2	Dr. E. Madhusudhana Reddy	Ph.D.	Professor	Computer Science and Engineering	1.Computer Networks 2.Big data	1.One Week Hands-On workshop on Web Apps in Zorin Environment 2. Outcome based learning, BITS, Hyd. 3. Cloud Computing
3	Dr. M. Sreedevi	Ph.D.	Assoc. Professor	Computer Science and Engineering	Network Security	1.Pedagogy Training, NITTIR, Chandigarh 2. Outcome based learning, BITS, Hyd. 3. Software defined radio & control systems, BMSCE, B'lore. 4. Engineering projects in community service , BMSCE, B'lore.
4	Mr. V. Hanuman Kumar	M.Tech., (Ph.D)	Assoc. Professor			1.OBL 2. Cloud Computing 3. OBL 4. ICTIEE
5	Mr. M.V. Jagannatha Reddy	M.Tech., (Ph.D)	Assoc. Professor	Computer Science and Engineering	1.Data Mining 2. C Programming	1.Big Data Management 2. Outcome based learning workshop 3. Teaching an online course using Moodle LMS
6	Mr. G. Sreedhar	M.Tech.,	Assoc.			

		(Ph.D)	Professor	------	------	------
7	Mrs. A. Komala	M.Tech., (Ph.D)	Assoc. Professor	Computer Science and Engineering	------	------
8	Mrs. P. Rajarajeswari	M.Tech., (Ph.D)	Assoc. Professor	Computer Science and Engineering	Formal Software Arch.	1.Web Apps in Zorin Environment 2. Women scientist programme
9	Mr. K.R.K. Satheesh	M.Tech.	Assoc. Professor	Computer Science and Engineering	Big Data	------
10	Mr. Surya Bahadur	M.Tech.	Asst. Professor	Computer Science and Engineering	Artificial Intelligence	1.Instruction Design and Delivery 2. Python training
11	Mr. Wilson Thomas	M.Tech., (Ph.D)	Asst. Professor	Computer Networks Engineering	Wireless Sensor Networks	1.Hands on workshop in Zorin Environment 2. Moodle training program
12	Mr. S. Vikram Phaneendra	M.Tech., (Ph.D)	Asst. Professor	Computer Science and Engineering	Big Data	1.Web Apps in Zorin Environment 2. Cloud Computing
13	Mr. B. Krishna Sagar	M.Tech., (Ph.D)	Asst. Professor	Computer Science and Engineering	Big Data on Cloud Computing	1.Zorin Workshop 2. Cloud Computing 3. Moodle Training
14	Mr. N. Bala Krishna	M.Tech., (Ph.D)	Asst. Professor	------	------	1.OBE Workshop-2 phases 2. Training on Python 3. Pedagogy Training Module – I
15	Mrs. S. Kusuma	M.Tech.	Asst. Professor	Computer Science and	1.Big Data 2.Cloud	

				Engineering	Computing	------
16	Mr. D. Kasi viswanath	M.Tech.	Asst. Professor	CS	1Computer Networks 2.Patter Reorganization	1.Web Apps in Zorin Environment 2. Basic pedagogy
17	Mr. Y.C.A. Padmanabha Reddy	M.Tech., (Ph.D)	Asst. Professor	Computer Science and Engineering	1.Data Ming 2.Mechine Learning	1.Web Apps in Zorin Environment 2. Basic pedagogy
18	Mr. M. Srujan Kumar Reddy	M.Tech.	Asst. Professor	Computer Science and Engineering	1.Image Processing 2.Big Data	1.Web Apps in Zorin Environment 2. Python training 3. Basic pedagogy 4. Cloud Computing
19	Mr. G. Hemanth Kumar Yadav	M.Tech.	Asst. Professor	Software Engineering	1.Cloud Computing	1.Software Testing Automation 2. Recent Trends in Cloud Computing & Security 3 Instructional Design and Delivery
20	Mr. S. M. Farooq	M.Tech.	Asst. Professor	Computer Science and Engineering	1. Machine Learning	1.Data mining 2. Skill Development 3. Teaching pedagogy 4. Operating System 5. Basic pedagogy
21	Mr. N. Sudhakar Yadav	M.E.	Asst. Professor	Computer Science and Engineering	1.Data Mining	1.Instruction Design and Delivery 2. Python training
22	Mr. M. Prabhakar	M.Tech.	Asst. Professor	Computer Science and Engineering	Data Mining and Warehousing	1.Programming for Multicourse Architecture 2. Instructional Design and Delivery
23	Mr. R. Sathiya Raj	M.E.	Asst. Professor	Computer Science and Engineering	1.Data Ming 2.Image Processing	1.OBE Workshop-2 phases 2. Training on Python 3. Web Apps in Zorin Environment

24	Mr. Veeresh Babu	M.Tech.	Asst. Professor	Computer Science and Engineering	1.Computer Networks 2.Mobile Computing	1.One week hands on workshop on "WebApps in Zorin Environment" 2."Outcome Based Learning Workshop" 3."PYTHON" Language 4. "Big Data Management"
25	Mr. M. Kiran Kumar	M.Tech.	Asst. Professor	Software Engineering	1.Software Engineering 2.Data Mining	1. Advanced programming concepts and web application development under 2. Web Apps in Zorin Environment 3. QIP STC on Teaching Data Structures and Algorithms 4. EMC Academic summit
26	Mr. S. H. Shabbeer Basha	M.Tech.	Asst. Professor	Computer Science and Engineering	Data Mining and Machine Learning	1. Cloud Computing
27	Mr. C. Narasimha	M.Tech., (Ph.D)	Asst. Professor	Computer Science and Engineering	1.Computer Networks 2.Image Processing	1.Cloud Computing 2. Simulation of Wired and Wireless Networks 3. Pedagogy Training Module – I 4. International Conference 5 IEEE International Conference
28	Mr. S. Mohammad Ghouse	M.Tech.	Asst. Professor	Computer Science and Engineering	1.Data Mining 2.C Programming	1.Data mining
29	Ms. R. Bhavani	M.Tech.	Asst. Professor	Computer Science and Engineering	------	------
30	BSH Shayeez Ahamed	M.Tech	Asst. Professor		------	------

31	C.R.Navya Teja	M.Tech	Asst. Professor	Computer Science and Engineering	------	------
32	J.Chandra Sekhar	M.Tech	Asst. Professor	Computer Science and Engineering	------	------

Department of Mathematics

S.NO.	Name	Qualifications	Designation	Specialization	Subject/area of interest	Training programs attended
1.	Dr. V.RAMACHANDRA PRASAD	Ph.D.	Professor	Applied Mathematics	Fluid Dynamics	BITS, HYD
2.	Dr.M.Sudhakar Reddy	Ph.D.	Assoc. Professor	Applied Mathematics	Fluid Mechanics	IIM, INDORE BITS, HYD
3.	Dr. S. Gouse Mohiddin	Ph.D.	Assoc. Professor	Mathematics	Fluid Dynamics	BITS, HYD
4.	Dr. S. Jeelani Begum	Ph.D.	Asst. Professor	Applied Mathematics	Graph Theory	BITS, HYD
5.	Dr. N. Nagendra	Ph.D.	Asst. Professor	Applied Mathematics	Fluid Mechanics	BITS, HYD
6.	Dr. K.V.Narasimha Murthy	Ph.D.	Asst. Professor	Statistics & Mathematic	Stochastic Processes	BITS, HYD
7.	Dr.A.Subba Rao	Ph.D.	Asst. Professor	Mathematics	Fluid Dynamics	BITS, HYD
8.	Dr.R.Saravana	Ph.D.	Asst. Professor	Mathematics	Fluid Dynamics	BITS, HYD
9.	Dr.P.Kalpana	Ph.D.	Asst. Professor	Statistics	Stochastic Modeling	BITS, HYD
10.	Mr.P.Ramesh Reddy	M.Sc., (Ph.D.)	Asst. Professor	Statistics	Factor Analysis	BITS, HYD

Department of Physics

S.No	Name	Qualifications	Designation	Specialization	Subject/area of interest	Training programs attended
1.	Dr. S. Victor Vedanayakam	Ph.D	Asst. Professor HOD	Material Science and Electronics	Material science, Electronics	1. Participated in National Workshop on Fundamentals and Applications of Nano fibers on 4th and 5th of July, 2014 at Indian Institute of Technology, Hyderabad. 2. Participated in National workshop on Outcome Based Learning from 22nd to 24th of August, 2014 at Birla Institute of Technology and Science, Pilani Hyderabad campus.
2.	Dr. V. K. Verma	Ph.D	Asst. Professor	Magnetic and Multiferroic Materials	Material Science	Participated in National workshop on Outcome Based Learning from 22nd to 24th of August, 2014 at Birla Institute of Technology and Science, Pilani Hyderabad campus.
3	Dr. N. Nanda Kumar Reddy	Ph.D	Asst. Professor	Material Science	Material Science	Participated in National workshop on Outcome Based Learning from 22nd to 24th of August, 2014 at Birla Institute of Technology and Science, Pilani Hyderabad campus. 2. Participated in National Workshop on Fundamentals and Applications of Nanofibers on 4th and 5th of July, 2014 at Indian Institute of Technology, Hyderabad.

4.	Dr. M. Chandra Sekhar	Ph.D	Asst. Professor	Vacuum science and Thin Film Technology	Thin film technology/Materials science	Participated in National workshop on Outcome Based Learning from 22nd to 24th of August, 2014 at Birla Institute of Technology and Science, Pilani Hyderabad campus.
5	Dr G Gopi Krishna	Ph.D	Asst. Professor	Atomic, Molecular and Optical Physics	Nano Science, Renewable energy sources, Proteonics, Data Science, Metamaterials	Participated in National workshop on Outcome Based Learning from 22nd to 24th of August, 2014 at Birla Institute of Technology and Science, Pilani Hyderabad campus.
6	K.Surekha	M.Sc	Asst. Professor	Condensed matter physics	Nano technology	

Department of Chemistry

S. No	Name	Qualifications	Designation	Specialization	Subject/area of interest	Training programs attended
1	Dr. N. S. Kameswara Rao	Ph.D	Professor & Head	Organic chemistry	Synthesis	BITS Pilani, OBL workshop Hyderabad
2	Dr. R. Prabhakara	Ph.D	Professor	Organosufur chemistry	Organic chemistry	--
3	Dr. P. P. George	Ph.D	Assistant Professor	Inorganic Chemistry	Nanomaterials	BITS,Hyd,OBL Workshop
4	Dr. S. Elamathi	Ph. D	Assistant Professor	Polymer chemistry	Polymer chemistry	Bits, Hyd. MITS,MPL
5	Dr. K. Chandra Mohan	Ph.D	Assistant Professor	Analytical chemistry	Electro analysis	BITS Pilani, OBL workshop Hyderabad
6	Dr. K. Mohan Kumar	Ph.D	Assistant Professor	Nanomaterials	Nanomaterials	BITS Pilani, OBL workshop Hyderabad
7	Mrs. K. Manjurani	M. Sc.	Assistant Professor	Analytical Chemistry	Analytical Chemistry	BITS Pilani, OBL workshop Hyderabad
8	Mrs.T. Ramahulasi	M. Sc.	Assistant Professor	Organic chemistry	Organic chemistry	--
9	Mr. R. Ram Mohan	M. Sc.	Assistant Professor	Organic chemistry	Organic chemistry	--

Department of English

S.No	Name	Qualifications	Designation	Specialization	Subject / area of interest	Training Programmes attended			
						Nos.	(Title)	Place	Date
1	Dr.R.Thulasiram Naidu	M.Com.,M. Phil.,Ph.D., in Commerce	Professor and Head, Dept. of Humanities & Associate Dean (R&D)	Commerce & Management Related	Commerce & Management Related	6	C11 – National Higher Education Conclave - 2013 at Coimbatore.	Coimbatore	29th & 30th Nov, 2013
							International Conference "Innovative Strategies in Management" organized by the Department of Management Studies, MITS at Bangalore.	Bangalore	7th March, 2014
							2nd World Summit on Accreditation (WOSA – 2014) at New Delhi	New Delhi	08th – 12th March, 2014
							Programme on Good Governance and Institutional Assessment for Chairman, BoG and Heads of TEQIP Institutions at Hyderabad	Hyderabad	May 12 – 14, 2014
							Confederation of Indian Industry 10th India Innovation Summit 2014 at Bangalore	Bangalore	8th – 9th August, 2014
							ESCI – Formulation of Research & Development Initiatives for Scientists and	Hyderabad	24th – 27th Nov, 2014

							Technologists at Hyderabad.		
2	Dr.G.Hampamma	M.A., Ph.D.,	Professor of English	English Literature	English Literature & Language	12	Two – day workshop on "English Language Communication Skills Laboratory"	Hyderabad	22nd – 23rd September 2005
							Two – day workshop on "Thought Structuring and English Language Communication"	Hyderabad	17 – 18 September 2007
							FEP on "Softskills" conducted by IEG – JKC & Globarena Technologies Pvt Ltd	Nalgonda	11.2.2008 to 16.2.2008
							Two – day workshop on "Professional Approach to the Corporate World"	Anantapur	2-3 August 2008
							Workshop on "Soft Skills" conducted by Infosys Leadership Institute at RGM College of Engg,	Nandyal	1-3 June, 2009
							ISTE Sponsored One Day National Level Workshop on "Autonomous Status of Engineering Institutions - The Road Map"	MITS, Madanapalle	11 Jan, 2013
							Two –day FDP on "Techniques in Teaching English"	Sree Vidyanikethan Engg College, Tirupati	8-9 March 2013
							MHRD's National Mission for Teachers Management	IIM, Indore	24-30 Nov,

							Capacity Enhancement Programme		2013
							NHRDN's 2nd National Summit on "Women Leadership"	New Delhi	28 Feb & 1 March 2014
							"Programme on Good Governance and Institutional Assessment for Chairmen, BoG and Heads of Institution"	ASCI, Hyderabad	12 – 14 May 2014
							Three day workshop on "Outcome Based Education"	BITS – Pilani, Hyderabad	6 – 8 Feb' 2014
							Three day workshop on "Outcome Based Education"	BITS – Pilani, Hyderabad	6 – 8 Feb' 2015
3	Dr.V.R.Sitara	M.A English, M.SC. Psychology, M.Phil, Ph.D.,	Asst.Prof. of English	Clinical Psychology	Soft Skills	3	One Day Workshop on Psychometrics	COINDIA (Coimbatore Industrial Infrastructure Association in Coimbatore), Coimbatore, Tamil Nadu.	March 22nd, 2014
							Nasscom-FSIT Soft Skills training program	Osmania College of Engineering, Osmania University, Hyderabad	7th-11th October 2013
							Train the trainer program	MITS, Madanapalle	25-26th February 2015

4	Dr.S.Shanmuga Priya	MA., M.Phil., Ph.D.,	Asst.Prof. of English	Commonwealth Literature	Indian Literature	9	Two Day Workshop on “train the Trainers”	organized by the department of English, MITS, Madanapalle	24 & 25 February 2015
							Three Day Workshop on “**Outcome Based Learning”**	BITS Pilani, Hyderabad	November 16-18, 2014
							Three Day Workshop on “**Outcome Based Learning”**	BITS Pilani, Hyderabad	August 22-24, 2014
							One day workshop on “Spoken English” bridge course for QEEE Phase-II	IIT Madras, Chennai	23-07-2014
							One Day Workshop on Human Values and Professional Ethics titled “**Engineering Inner Excellence**”	JNTUCE, Anantapuramu	05.07.2014
							One Day Workshop on “**Emerging Trends in Quality Education**”	MITS, Madanapalle	08.06.2013
							Two Day Faculty Development Programme on "**Empowering Faculty on Life Skill** (EFLS)	TEQIP-II at Sree Vidyanikethan Engineering College	5-6 April 2013
							Workshop **Activating the ESL Classroom**	US English Language Fellow Joseph Dwailbee at Sri Padmavati Women’s University	23-24 May 2012

							FUSION: A Three Day National Workshop on Soft Skills	Department of Training & Placements & Industry Relations of Sir C.R.Reddy College of Engineering, Eluru. A.P.	15-17 Nov 2007
5	Dr.Venkateswarlu.P	MA, M.Phil, PGCTE,Ph. D.,	Asst.Prof. of English	African-American Literature	African-American Literature	6	'Techniques in Teaching English'	Sree Vidyanikethan Engineering College, Tirupathi	8th and 9th March 2013
							'Communication Skills' (Two days) Indian Society For Technical Education (ISTE)A.P. State Government	Sri Kalahasteeswara Institute of Technology (SKIT), Srikalahasti	11th and 12th December, 2008
							'Empowering Faculty on Life skills'	Sree Vidyanikethan Engineering College, Tirupathi	5th and 6th April, 2013
							'Continuing Education in Mental Health' (One day) in the Dept of Psychology	S.V.University, Tirupati	18th March, 2012
							'Communication Skills' (Six days) organized by Jawahar Knowledge centre (JKC) State Government Training Cell.	Sri Kalahasteeswara Institute of Technology (SKIT), Srikalahasti	18th Nov to 22nd Nov, 2008

							‘Train the Trainer’	MITS, Madanapalle	25 – 26 February’ 2015
6	Dr.B.Rasheeda Begum	M.A.,M.Phil., Ph.D.,	Asst.Prof. of English	American Literature	American Literature	5	Train the trainers workshop	Organized by IHRD ,Bangalore in MITS, Madanapalle	24-25 feb 2015
							Outcome based learning workshop	BITS Pilani ,Hyderabad	6-8 Feb 2015
							Outcome based learning workshop	BITS Pilani ,Hyderabad	14-16 Nov 2014
							Workshop on communication skills and soft skills	National P.G college Nandyal	6-8 march 2006
							Workshop on personality development	RVP Women’s Engineering College Kadapa	13-14 October 2014
7	K. LATHA	MA, M.Phil, (Ph.D)	Asst.Prof.of English	Indian Literature & Folk Literature	Indian Literature	12	One Day Workshop on **Effective Research Methodologies** in association with Indo-US Collaboration for Engineering Education	MITS, Madanapalle	11th Feb 2015
							Two Day National Level Workshop on **Train the Trainers**	MITS, Madanapalle	24th & 25th Feb 2015
							Outcome based Learning Workshop	BITS PILANI, Hyderabad	February 06-08, 2015
							Outcome based Learning Workshop	BITS PILANI, Hyderabad	November 14-16, 2014.

							Outcome based Learning Workshop	BITS PILANI, Hyderabad	August 22-24, 2014
							Human Values and Professional Ethics entitled **"Engineering the Inner Excellence"**	JNTUA Engineering College, Anantapur	05th July 2014
							Technical English for engineering students	MITS, Madanapalle	11th April 2014
							Technical English for engineering students	MITS, Madanapalle	16th March 2013
							"NPTEL AWARENESS"	Association with CLASSLE at MITS, Madanapalle	4th January 2013
							Learning, Speaking & Writing Skills	Centre for Excellence, Bangalore	25th – 27th Oct 2012
							One day National Level Workshop on the **Technical English** for engineering students	MITS, Madanapalle	March, 2011
							A Two-Day State Level Workshop on **"Teaching English and Communication Skills to Professional Students: Opportunities and Challenges"**	Pullla Reddy Engineering College, Kurnool	20th& 21st Nov 2009
8	M.PARVATHI	MA, (Ph.D)	Asst.Prof	Indo-American Literatu	Indo-American Literature	11	Two day Workshop on "Train the Trainer"	Department of English, MITS, Madanapalle	24 - 25 February 2015

				re			Three Day Workshop by Open kite - Ignis Careers	Hyderabad	2 - 4 Dec 2014
							Three day workshop on **"Outcome Based Education"**	BITS Pilani - Hyderabad Campus	22-24 August 2014
							Three day workshop on **"Outcome Based Education"**	BITS Pilani - Hyderabad Campus	12-14 November, 2014
							Two Day National Faculty Development Programme on **Pragmatic Strategies For Professional Communication**	SREE VIDYANIKETHAN ENGINEERING COLLEGE Sree Sainath Nagar, A.Rangampet – 517102	26th & 27th September, 2014
							One day National Workshop on 'Moral Values and Professional Ethics'	JNTU, Anantapuram	05.07.2014
							One day National Level Workshop on the Employability & Technical English	PHOTON-14 at MITS, Madanapalle	11.04.2014
							Two day National Symposium on "Teacher-Text-Student Interaction"	JNTU, Hyderabad	13-14 December, 2013
							Two day National level Faculty Development Programme on "Techniques in Teaching English"	Sri Vidyanikethan Engineering College, Tirupati	8-9 March, 2013
							One day National Level Workshop on the Technical	PHOTON-11 at MITS,	March' 2011

							English for engineering students	Madanapalle	
							JKC Training Programme on Communication & Soft Skills	JKC	March, 2006
9	J.Bhaskar Rao	MA,M.Phil, (Ph.D.,)	Asst.Prof.	Linguistics & Phonetics	Linguistics	8	Two day Workshop on "Train the Trainer"	Department of English, MITS, Madanapalle	24 - 25 February 2015
							"5th IASNLP – 2014: Hyderabad Advanced School on Natural Language Processing"	IIIT-Hyderabad	28 June to 15 July, 2014
							3rd International English Language Teacher Educator Conference (TEC) " English Language Teacher Education in a diverse environment"	Hyderabad	16 – 18 March 2013
							Postcoloniality in Transition: Cosmopolitanism, Transnationalism and Globalization	16-17 January' 2013	EFL University, Hyderabad
							Complex Predicates in South Asian Languages (CPISAL)	EFL-University	20-21 Jan 2012
							2nd International Conference for English Language Teacher Educators, 'Assessment and Evaluation of English Language Teacher Education, Teaching and Learning'	Hyderabad	3-5 March 2012
							Students Conference of Linguistics in India (SCONLI-5)	University of Hyderabad	21-23 February, 2011

							The 1st International Conference for English Language Teacher Educators, " Starting, Stimulating and Sustaining English Language Teacher Education and Development"	Hyderabad	22-24 January, 2011
10	P.Athar Samina Khan	M.A. M.Phil (Ph.D.,Submitted)	Asst.Prof. of English	American Literature	Phonotics	11	The Crisis of Recession and its impact on India	Chadalawada Ramanamma Engineering college, Tirupathi	15th September 2009
							Need and Importance of Soft Skills for engineering students	Chadalawada Ramanamma Engineering College, Tirupati	2010
							Train the Trainer Programme on listening and speaking skills for select Degree College teachers	Sri Sai Baba National Degree College, Anantapur	27th September to 01st October 2005
							Train the Trainer Programme on listening and speaking skills for select Degree College teachers	S.V. University, Tirupati	26th to 30th June 2006
							Faculty Enablement Program	Chittoor by JKC / IEG	26th november to 1st December 2007
							Faculty development Program on "Instructional Design and Delivery System"	Chennai	20th **August to 22nd**

									August 2008
							Trainer of soft skills by Infosys	Hyderabad	30th May to 1st June 2011
							One day work shop on Communication skills	Vikrama simhapuri University	14th February 2012
							Work shop on Women concerns	MITS, Madanapalle	March 8th 2013
							One Day National level work shop National Education on Autonomous Status of Engineering Institutions-The Road Map	Indian Society	11th January 2013
							Outcome Based Learning Work shop	Bits Pilani, Hyderabad Campus	August 22-24, 2014
11	M.R.Indumathi	M.A. M.Phil PGCTE, (Ph.D.,Submitted)	Asst.Prof. of English	Indian Writings in English	Indian Literature	8	Two Day Workshop on "train the Trainers"	department of English, MITS, Madanapalle	24 & 25 February 2015
							Three Day Workshop on "Outcome Based Learning"	BITS Pilani, Hyderabad Campus	November 16-18, 2014
							Three Day Workshop on "Outcome Based Learning"	BITS Pilani, Hyderabad Campus	August 22-24, 2014
							Soft Skill Training	IEG-JKC , APSCHE	26-30 Nov,2007
							Soft skills training	NASCOM-TEQIP- O U , Hyd	7 -11 oct,2013

							Workshop on Teaching written and spoken English	Centre for training Excellence in Bangalore	19-21 Oct,2012
							Workshop on Empowering Faculty on Life Skills	Sree vidyanikethan Engg college, Tirupati	5-6 April,2013
							Workshop on Techniques in Teaching English	Sree vidyanikethan Engg college, Tirupati	8-9 mar,2013
12	Dr.P.Seshagiri Rao	M.A(Economics) MBA, Ph.D.,	Ass.prof.of Economics	Industrial Economics	Economics & Management	12	Three day workshop on **"Outcome Based Education"**	BITS Pilani - Hyderabad Campus	6 – 8 February 2015
							One day workshop on "Human Values and Professional Ethics" titled, "Engineering Inner Excellence"	JNTUA College of Engineering, Ananthapuramu	5th July,2014
							Serial workshop-Phase-II on "Instrument validation &application of Multivariate data analysis tools for Research"	VIT Business School, VIT University, Vellore	28th and 29th March, 2014
							One day **Faculty Development Programme** on "Research Methodology – Test of Hypothesis –SPSS"	Dept.of MBA, KKC Institute of Technology & Engineering, Puttur (AP)	25th January,2014
							One day **National level workshop** on 'Autonomous Status of Engineering	MITS, Madanapalle	11th February, 2013

							Institutions- The Road Map'		
							Three day **National workshop** on "Modern Statistical Techniques & Information Security"	Dept.of Mathematics, NIT Warangal under TEQIP-II	19-21, December, 2013
							Serial workshop-Phase-I on "Research methods & Advanced statistical tools for management research"	VIT Business School, VIT University, Vellore	8th and 9th November, 2013
							Three day **International workshop** on "Big Data Management'	Department of CSE in collaboration with IUCEE under TEQIP-II, MITS,Madanapalle	2nd to 4th July, 2013
							Two Day **National Level Workshop** on Statistical Applications in Management Research	Department of Management Studies, MITS, Madanapalle	20th and 21st October 2011
							"**Faculty Development Programme on Entrepreneurship**"	VIT University, Technology Business Incubator, Vellore	15th-27th November, 2010
							Workshop-cum-Training programme on **"Survey Methodology and design for Social Studies"**	Council for Social Development (CSD),	Feb 16th to 20th 2007

								Hyderabad	
							"Macro-Economic theories and Econometric Techniques"	Sponsored by ICSSR conducted by CESS (Centre for Economic and Social Studies), Hyderabad.	May 7th to 19th 2007
13	Dr.K.Srinivasulu	MBA,M.Com.,Ph.D.,(Mgt.)	Ass.Prof.of Management Studies	Finance & Marketing	Strategic Management	6	Three days workshop on " Outcome Based Learning "	BITS Pilani - Hyderabad Campus	6-8 February, 2015
							NSS Orientation Programme	JNTUA ,Ananthapuramu	14-20 March, 2014
							One day National Level Technical Symposium Photon' 14	Dep., of BSH, MITS,Madanapalle	11th April, 2014
							One day National Level Technical Symposium Photon' 14	Dep., of BSH, MITS,Madanapalle	16th March, 2013
							Two Day **National Level Workshop** on Statistical Applications in Management Research	Department of Management Studies, MITS, Madanapalle	20th and 21st October 2011
							One month Faculty Training Programme	ICFAI, Hyderabad	September, 2006

Faculty members Registered and Pursuing Ph.D

S.No	Name of the Faculty	Department	Year of Registration	University	Status
1.	K.V. Satheesh Babu	EEE	2014	J.N.T.U Anantapur	Registered & pursuing
2.	K. Vasu	EEE	2014	J.N.T.U Kakinada	Registered & pursuing
3.	D.Chinnakullay Reddy	EEE	2014	J.N.T.U Kakinada	Registered & pursuing
4	M.Sreenath Reddy	ECE	2012	JNTUA	Pursuing
5	U.Sreenivasulu	ECE	2012	JNTU. Hyd	Pursuing
6	B.Sukumar	ECE	2013	JNTUA	Pursuing
7	B. Sreenivasulu	ME	2010	JNTUA	Pursuing
8	P. Rayudu	ME	2011	JNTUA	Pursuing
9	V. Vamsidhar	ME	2009	JNTUA	Pursuing
10	CH. Sreenivasa Rao	ME	2006	JNTU, Hyd	Pursuing
11	G. Sada Siva Prasad	ME	2009	JNTUA	Pursuing
12	M. Vamsi Krishna	ME	2010	VIT Vellore	Pursuing
13	Mr. M.V. Jagannatha Reddy	CSE	2009	Rayalaseema University	In Process
14	Mr. G. Sreedhar	CSE	2012	VTU Belgam	Pursuing
15	Mrs. A. Komala	CSE	2009	University of Hyderabad	In Process
16	Mrs. P. Rajarajeswari	CSE	2011	JNTUA	Implementation
17	Mr. Wilson Thomas	CSE	2014	Bharatiar University	Research Methodology
18	Mr. S. Vikram Phaneendra	CSE	2013	JNTUK	Literature survey
19	Mr. B. Krishna Sagar	CSE	2014	JNTUA	Research Methodology
20	Mr. Y.C.A. Padmanabha Reddy	CSE	2012	JNTUA	Pre Ph.D. completed
21	Mr. C. Narasimha	CSE	2014	VIT	Research Methodology
22	Mr.P.Ramesh Reddy	Mathematics	2011	S.K. University	To be submitted
23	Mrs. G. Sowjanya	Physics	2010	S.V. University	70% of Practical work completed
24	Ms. K.Latha	BSH	2011	S.V. University, Tirupathi	Pursuing
25	Ms. M.Parvathi	BSH	2010	S.P.M.V.V, Tirupathi	Pursuing

26	Mr. J.Bhaskar Rao	BSH	2012	IFLU, Hyderabad	Pursuing

Conferences organized

S.no	Department	Year	Details (Name of the conference ,Date, etc)
1	**EEE**	2013	A National Conference on Advanced Research Methodologies in Electrical Engineering, 27th & 28th June.
2	**ECE**	2013	A Two Day National Conference on Advanced Communication Systems & Applications organized by Department of Electronics & Communication Engineering is held from 25.6.2013 to 26.6.2013
3	**ECE**	2015	A Two day National Conference on "Recent Trends in Signal Processing" NCSP' 15/ Organized by Department of ECE/ 18 - 19 February 2015
4	**ME**	2013	Two Day National Conference on "Innovations in Mechanical Engineering" NCIME'13 21st & 22nd June 2013
5	**ME**	2014	2nd National Conference on "Innovations in Mechanical Engineering" NCIME'14 18th & 19th June 2014
6	**CSE**	2013	A National Conference on Advanced Technologies in Computer Science, 30th and 31th May
7	**Mathematics**	2015	Two day workshop on "Research Methodologies & LATEX" during 21-22 Feb 2015.

Faculty Research publications

S.No	Department	Journals		Conferences		Books/ Chapters in Book	Manual
		International	National	International	National		
1	EEE	26	08	11	03	00	00
2	CSE	37	01	04	04	00	00
3	ECE	70	05	24	32	03	00
4	ME	134	08	84	33	02	00
5	BSH	244	65	99	98	20	14

Students Technical Seminars and Workshops Organized

S.No	Department	Year	Name of the event
1	EEE	2014	A Two-Day Workshop on "POWER SYSTEM STUDIES USING ETAP", 31st October & 1st November.
2	EEE	2014	"Two Day National Workshop & Expo Solar Power Systems", 24th & 25th July.
3	EEE	2014	Two Day Workshop on Earthling Technologies in Power Systems, 6 & 7th of March.
4	ME	March, 2012	Mechonance '12 – A National level Student's Technical Symposium.
5	ME	5th to 7th July, 2012	A National level workshop on Computational Fluid Dynamics
6	ME	Dec 21, 22	International workshop on Composites design and analysis using fem – 2 Days
7	ME	16 Feb 2013	Mechonance '13 – A National level Student's Technical Symposium.
8	ME	29th March 2014	Mechonance '14 – A National level Student's Technical Symposium.
9	ME		Mechonance '15 – A National level Student's Technical Symposium.
10	BSH	2014	Conducted workshop on "Career Guidance for Engineering Graduates" by Dr.V.Phanikumar, GM, NCS Corporation, Pondicherry on 8, Dec,2014
11	BSH	2014	National Level Symposium "PHOTON-14" on 11-04-2014.
12	BSH	2013	One day national workshop on "personality development" By Dr.KVSG Murali Krishna on 23-11-2013.
13	BSH	2011	Photon-11, 26.03.2011
14	BSH	2013	Photon-13, 16.03.2013
15	BSH	2014	Photon-14, 11.04.2014
16	BSH	2015	Photon-15, 10.04.2015

Electronics and Communications Engineering:

S.No	Department	Year	Details(name of the Event, month, Date)
1	ECE	3/11/2015	"Effective Research Methodologies"

2	ECE	18/7/2014 TO 19/07/2014	Embedded systems
3	ECE	18.07.2013 to 20.07.2013	Wireless Networks
4	ECE	25-06-2012 to 29-06-2012	Data Communication IC Design"

Computer science and Engineering:

S.No	Department	Year	Details(name of the Event, month, Date)
1	CSE	2014	A Two Day National Workshop on "Cloud Computing", 17th and 18th October
2	CSE	2014	One Week Hands-On Workshop on Web Apps in Zorin Environment, 16th to 21st June
3	CSE	2014	One Day Workshop on "Soft Computing Applications in Engineering", 17th May 2014
4	CSE	2014	A Two day workshop on "PLACEMENTS, EMPLOYABILITY SITUATION AND TEACHING LEARNING METHODOLOGIES", 19th & 20th March 2014.
5	CSE	2014	A National Level Technical Symposium GMOCS'14 on Emerging Trends in Computer Science, 15th March 2014.
6	CSE	2013	One Day Guest Lecture was conducted on "Computational modeling and Knowledge technologies", 12-11-2013
7	CSE	2013	One Day Guest Lecture was conducted on "Dot Net Technologies", 30-10-2013.
8	CSE	2013	CAREER PLANNING, 01/04/2013
9	CSE	2013	National Level Technical Symposium, GMOCS'13 on 23 Feb, 2013
10	CSE	2013	NPTEL Awareness in association with CLASSLE on 4th January 2013

Industrial Guest lecture Programs

Department of Electrical and Electronics Engineering:

S.No	date	Title	Resource person
1	03/03/2013	Power Quality Issues in Electrical Engineering	Prof. K. Uma Rao, Professor in Dept. of E.E.E., R.V. College of Engineering, Bangalore.
2	12/03/2013	Energy Audit & Energy Management and Renewable Energy Resources & Grid Integration	Sri.B.VENKATA SUBBAIAH, DEPUTY DIRECTOR, National Power Training Institute Power Systems Training Institute (NPTI), Bangalore.
3	29.09.2014	Applications Of Power Electronic Converters For Power Quality Improvement	Dr. J.PRAVEEN, Professor & HOD, Department of EEE, Gokaraju Rangaraju Institute Of Engineering & Technology, Hyderabad.
4	23.12.2014	Reliability and Risk Analysis for Industries: Challenges & Problems	Dr. Gopika Vinod, Head, Probabilistic Safety Section, Scientist‐G, Reactor Safety Division, Bhabha Atomic Research Centre, Trombay, Mumbai
5	23.12.2014	Employing Computation Intelligence Methods for Operator Support System	Mr. Santhosh, Scientific Officer 'E', Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai.
6	30/01/2015	Renewable Energy Sources & REC Mechanism	Mr. V. Suresh Babu, Assistant Director, NPTI (PSTI), Ministry of Power, Govt. of India, Bangalore
7	21/02/2015	State of the Art Silicon Photovoltaic Technology	Dr. A. Karthigeyan, Assistant Professor, Dept. of Nanotechnology, S.R.M. University, Chennai

Department of Electronics and Communications Engineering:

S.No	DD/MM/YYYY	Details(name of the Event)	Resource person
1	12/26/2014	"Instructional design and delivery"	Dr. ESM Suresh, Prof. Dr. Malliga.
2	11/1/2014	"Electronics Systems Design-Challenges and Opportunities"	Dr. Cyril Prasanna Raj
3	9/5/2014	"Optical Communication"	Dr.T.Srinivas
4	5/12/2014	"FUNDAMENTALS OF ELECTROMAGNETIC THEORY"	Dr. R.S.Raju
5	4/2/2013	"Latest trends on VLSI and job opportunities"	VENKATESWARA RAO SUNKARA

Faculty Technical papers published

Department of Electrical and Electronics Engineering:

S.No	Name of the Faculty	Description of Paper	Name of the Journal	National /International
1	Dr. K.V.R.B. Prasad	Identifying the optimum design of turbo alternator Using differential evolution Algorithms	International Journal of Energy Systems, Computers and Control (IJESCC) Vol. 1, No. 1, January-June 2010, pp. 55-78	international
		Optimum Design of Turbo-Alternator using Differential Evolution Algorithms	International Journal of Electrical Engineering. ISSN 0974-2158 Volume 3, Number 1 (2010), pp. 65—84	international
2	Dr. B.Ramakumar	Non-Conventional Energy for Silk Industry - Rays of Hope	Indian Silk,The complete sericulture and silk industry journal of india vol.47 No.1 May 2008	National
		Drying of silkworm pupae through solar dehydrator – a study	Indian journal of sericulture,Mysore-2013	National
3	Dr.K.Ramesh	Design of Digital IIR filters with the Advantages of Model Order Reduction Technique	International Journal of Electronics, Communications and Computer Engineering. Vol.1, No. 2, pp. 117-122, 2009.	international
		Design of Current Controller for Two Quadrant DC Motor Drive by Using Model Order Reduction Technique	International Journal of Computer Science and Information Security. Vol.7, No.1, pp. 17-24, 2010.	international
		Controller design for Linear Time Invariant System using Pade approximation and Genetic Algorithm	International Journal of Electrical Engineering and Electrical Systems Vol.2, No.1, pp. 49-54, June 2010	international

		Order Reduction of LTIV Continuous MIMO System using Stability Preserving Approximation Method	International Journal of Computer Applications Vol. 36, No.8, pp. 1-8, Dec 2011.	international
		An Overview of Load Frequency Control Strategies: A Literature Survey	International Journal of Engineering Research & Technology Vol.1, No. 10, pp. 1-5, Dec 2012	international
		Evolutionary Multiobjective Optimization Algorithms For Induction Motor Design –A Study	International Journal of Emerging Technology and Advanced Engineering Vol.2, No. 11, pp. 627-633, Nov 2012	international
		Survey on Optimal Power Flow under Security Constraints	International Journal of Emerging Technology and Advanced Engineering Vol. 3, No.1, pp. 526-535, Jan 2013.	international
		An Enhanced MPPT Technique For Small-Scale Wind Energy Conversion Systems	International Journal of Research in Engineering and Technology Vol.3, No.7, pp. 827-833, May 2014	International
		Design of Speed Controller for Permananent Magnet Synchronous Motor Drive Using Genetic Algorithm Based Lower Order System Modelling	Journal of Computer Science Vol.8, No.10, pp. 1700-1710, 2012	National
		Order reduction of linear systems with an improved pole clustering	Journal of Vibration and Control (Impact Factor:4.355) Vol. 18, No. 12, pp. 1876-1885June 2011	National
		Model order reduction of interval systems by Pole clustering technique using GA	Journal of Theoretical and Applied Information Technology Vol.66, No.1, pp. 48-57, Aug 2014	National

4	C.Kamal basha	Estimation of Rotor Flux using Neural Network Observerin Speed Sensorless Induction Motor Drive	International Journal of Computer Applications (0975 – 8887) Volume 79 – No6, October 2013	international
		Speed sensorless vector control of Induction motor using Stator current based MRAS Scheme	i-manager's Journal on Electrical Engineering, Vol. 5 l No. 1 l July - September 2011	international
		Fuzzy Indirect Field Oriented control of Induction Motor using Model Referance Adaptive system	IJTW,volume III,issue:4,pp.137-144;december2011	International
		Sensorless fuzzy indirect field oriented control of Induction motor using stator current based MRAS	I-manager's journal on electrical engineering,volume 5,No.1,pp.21-26;july-sept 2011	National
5	D.Chinnakullay reddy	Constant Power Control of D fig Wind Turbines With Super capacitor Energy Storage	International Journal of Engineering Inventions ISSN: 2278-7461, Volume 1, Issue 6 (October2012) PP: 32-39	International
		A brief review & study of power quality : distributed generation	Journal of Information Knowledge and research in Electrical engineering, ISSN 0975-6736,Volume-2,Isssue 2,October-13	national
6	B. Chandra sekhar	Modeling and Simulation of Three to Nine Phase Using Special Transformer Connection	International Journal of Emerging Technology and Advanced Engineering (ISSN 2250-2459, Volume3,Issue6,June 2013	international
7	K. Vasu	Improvement of Transient Stability through SVC	International Journal of Advances in Engineering & Technology, November 2012	International
		LQR Based load frequency controller for Two area power system	International Journal of advanced engineering research in Electrical, Electronics & Instrumentation Engineering, Volume 1, Issue 4, October 2012	International
		Model matching control of Two area LFC	International Journal of advancements in Electronics & Electrical Engineering IJAEEE - September 9, 2013.	International

		Modeling and Simulation of Grid Interconnected Electric Utility with Wind/ Photovoltaic Hybrid Electric Power System	I Core 2013	National
8	B.Srinivasa Raju & M.Lokesh	A simplified SVPWM Simplified for Five Level Inverter with DC-Link Balancing	International journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-2, Issue-6, August 2013	International
9	A.Srinivasulu	Load Balance with Loop Power Controller & Fuel Cell System in Distribution Feeders	International Journal of Engineering Science Invention ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 Volume 2 Issue 9 ‖ September. 2013	International
10	J.Sivanvitha & G. Ravi Prakash	A Novel Approach in Fault Detection & Mitigation in Cascaded Converter STATCOMs	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 1 Issue 7, September - 2012	International
11	J.Sivanvitha	Fault Detection and Mitigation in Cascaded Converter STATCOMs Using PSPWM Technique	ISBN : 978-93-81693-82-7	International
12	K.V.Satheesh Babu	Transient Stability Improvement of an Integrated Grid using STATCO M	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 IJERTV3IS090504 Vol. 3 Issue 9, September- 2014	International
13	S.Khadar vali	Design, Engineering And Analysis Of Utility Scale Solar PV Power Plant	Volume 3, Issue 9(2), September 2014 International Journal of Multidisciplinary Educational Research	International
		A Noval Approach of Array to Inverter Matching of Utility Scale Solar PV Plants	International Journal of Engineering Research & Technology (IJERT) Vol. 3 Issue 8, August - 2014 ISSN: 2278-0181	International
		Transient Stability Improvement of an Integrated Grid using STATCO M	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 IJERTV3IS090504 Vol. 3 Issue 9, September- 2014	International

14	M Lokanatha	Load Frequency Control of Two Area Power System using PID Controller	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 IJERTV3IS110621 Vol. 3 Issue 11, November-2014	International
15	BM Rama moothy	Control of Active and Reactive Power flow in Multiple Lines through UPFC& HPFC	International Journal of Electrical Engineering.ISSN 0973-8835 Volume 7, Number 1 (2013), pp. 41—48	International
16	A Chandrakala	Emergency Control in Distribution System using Anfis Based Dynamic Voltage Restorer	International Journal of Engineering Research & Technology (IJERT) Vol. 3 Issue 11, November-2014 pg.no:175-181	International
17	GS Bharathi	Simulation of single phase grid connected Photo Voltaic system based on PWM control of Switched Boost Inverter for DC Nanogrid Applications	International Journal of Engineering and Science Invention(IJESI) Vol. 3,Issue 7 Page No: 49-56 July 2014	International
18	B Swami konda	Design Of Cuk Connerter Based Pmbldcmd For Power Factor Correction.	International Journal of advances in applied science and Engineering (IJAEAS) ISSN(P):2348-1811; ISSN(E):2348-182XVol.1,Issue 2,Apr 2014,97-101.	International

Electronics and Communications Engineering:

S.No	Name of the Faculty	Description Paper	Name of the Journal (refereed)	National /International
	Dr. A R Reddy	An Effective Defense Against Distributed Denial of Service in Grid	IEEE International conference on integrated intelligent computing ICIIC	International
		Generating the New S-box and Analyzing the Diffusion Strength to Improve the	IJCNS September issue	International

1		Security of AES Algorithm		
		Improving diffusion power of AES Rijndael with 8x8 MDS	International Journal of Scientific and Engineering Research (IJSER)	International
		Optimized implementation of Rijn deal on controller R8C	International Journal of Scientific and Engineering Research (IJSER)	International
		Performance Analysis of AES and MARS Encryption Algorithms	International Journal of Computer Science Issues(IJCSI)	International
		Improving the Diffusion Power of AES Rijn dael with Key Multiplication	International Journal of Computer Applications (IJCA),	International
		Securing the Multilevel Information System	International Journal of Computer Science and Information Security (IJCSIS)	International
		Revised AES And Its Modes of Operation	International Journal of Information Technology & Knowledge Management (IJITKM)	International
		Implementation of RM scheduler in µc os ii RTOS	2nd National Conference on Signal processing, Communication's and VLSI design	National
		Evaluating the performance of Various Architectures for Wireless Ad Hoc Networks	04th National Conference on Computing for Nation Development INDIACOM	National
		Virtual network for the substrate network using an Efficient Embedding Algorithm	National Conference On Advanced Computing & Wireless Networks-ACWIN10	National
		Vehicle navigation system using ARM9 processor	National Conference on electronic communication systems,	National
		Zigbee and GPS based tracking system using ARM9	National Conference on electronic communication systems	National
		MUCOS RTOS for embedded systems	*International Conference* on Communication, Computation, Control and Nanotechnology	International
		Generating the New S-box and analyzing the Diffusion Strength to Improve the Security of Rijndael algorithm	International conference on Computer Science and information Technology	International

2.	Dr S.A.K Jilani	An Efficient Face Recognition Method with FSVDRAND and RBF Neural Network	International Journal of Engineering Research and Industrial Applications	International
		A Modified Approach for Face Recognition Using Eigen Values	International Journal of Math. Science & Engineering Application	International
		Image Processing Based Automatic Mesh Quality Analyzer	International Journal of Computer Applications in Engineering Sciences	International
		Comparative Study of Face Representation Methods for Efficient Face Recognition Using Singular Features	International Engineering Research and Industrial Applications	International
		The Minimal and Maximal Vocal Tract Shape Variabiligy for Vowels Based on LPC	International Journal of Highly Reliable Electronic Systems	International
		Face Recognition Using Eigen Values	of international conference on MEMS & Optoelectronics Technologies	International
		"Brain Image Segmentation Using RBF Neural Network	international conference on MEMS & Optoelectronics Technologies	International
		A Location Based Distributed Database Architecture For Global Roaming in Next Generation Mobile Networks	international conference on MEMS & Optoelectronics Technologies (ICMOT 2010)	International
		Image Processing Based Automatic Mesh Quality analyzer	International Journal of Computer Applications in Engineering Sciences	International
		Comparative Study of Face Representation Methods for Efficient **Face** Recognition- Survey	International Engineering Research and Industrial Applications	International
		Comparative Study of Face Representation Methods for Efficient Face Recognition Using Singular Features	International Engineering Research and Industrial Applications	International
3.	Dr. J. L. Mazher Iqbal	New Approach to Memory Less Design and Look-Up table realization for low complexity reconfigurable digital FIR filter architecture	WSEAS transaction on systems	International
		Non-Subsampled Contourlet Transform	International Journal of Computational	International

4.	Dr. Mahesh	for Edge Detection Performance	Intelligence Research ISSN 0973-1873 Volume 7, Number 3 (2011), pp. 311-317© Research India Publications	
		Corner Detection using Curvelet and Harris Algorithm	IJCST Vol. 3, Iss ue 1, Jan. - March 2012 ISSN : 0976-8491 (Online) | ISSN : 2229-4333 (Print)	International
		Invariant Corner Detection Using Steerable Filters And Harris Algorithm	Signal & Image Processing : An International Journal (SIPIJ) Vol.3, No.5, October 2012	International
		Image Mosaic Using Speeded Up Robust Feature Detection	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 1, Issue 3, September 2012, ISSN: 2278 – 909X	International
5.	Mr. S. Javeed Hussain	Detection of Hydrocephalus Lateral Ventricles Quantitatively in Brain MRI images of Infants	International Journal of Computer Applications	International
		Segmentation of Tissues in Brain MRI Images using Dynamic Neuro-Fuzzy Technique	International Journal of Soft Computing and Engineering (IJSCE) ISSN	International
6.	Mr. M. Jagadeesh Babu	Color Image Enhancement Using Particle Swarm Optimization	IRACST – Engineering Science and Technology: An International Journal (ESTIJ)	International
		Radio frequency grid for electronic voting machine theft prevention based on MEMS and GSM	IJARECE	International
		" Android Mobile Based Home Automation " in two days National conference on Advanced Communication systems & Applications Proceedings	ISBN 978-93-82829-39-3 organized by Dept of ECE, Madanapalle Institute of Technology & Science	International
	Mr. B. Sukumar	A Qualitative Approach for Denoising of CFA Images by PCA using Co-Variance	International Journal of Humanities, Education Technology and Management	International

7.		method	ISSN	
8.	Mr. V. Sai Kumar	Gsm Based Advanced Wireless Immobilizer And Automatic Accident Spot Informer With Remote Alarm Device	International Journal of Electrical and Electronics Engineering (IJEEE)	International
9.	Mr. M. Sreenath Reddy	Artifacts removing from EEG signals by ICA algorithms	IOSRJEEE	International
10.	Mr. S. Arun	FPGA Implementation of Canonical Signed Digit Multiplier	International Journal of Electronic and Communication Research. ISSN	International
11.	Ms. C. K. Hemantha Lakshmi	A Qualitative Approach to Design Multi Channel UART Using FPGA and FIFO Technologies	Global Journal of Researches in Engineering	International
12.	Mrs. G. R. Hemantha	Audio Steganography by LSB Substitution using Different Polynomial Equations	International Journal of Advances in Science and Technology, Volume 4, Issue 6, 2012	International
		Contrast enhancement using Dominat brightness level analysis adaptive Intensity transform	IJCSMC	International
13.	Mr. J. T. Pramod	Fingerprint Recognition Using Gabor Filter And Frequency Domain Filtering	IOSR Journal of Electronics and Communication Engineering (IOSRJECE)	International
		Rajput, "A Survey On Copy Move Forgery Detection Techniques" National conference on Advanced Communication systems & Applications Proceedings	ISBN 978-93-82829-39-3 organized by Dept of ECE, Madanapalle Institute of Technology & Science	International
14.	Mr. M. Venkata Srinu	Qualitative evaluation of enhancement methods for analysis of acute leukemia images	IJEST	International
		Color Image Enhancement Using Particle	IRACST – Engineering Science and	International

		Swarm Optimization	Technology: An International Journal (ESTIJ), ISSN	
		Low –resolution satellite image enhancement using DT-CWT & SVD	IJARECE	International
15.	Mr. R. Ravindraiah	Qualitative evaluation of enhancement methods for analysis of acute leukemia images	IJEST	International
		Segmentation of Electron Micrograph Images for Qualitative Analysis of Diabetic Atherosclerosis	IJAER	International
		Survey of image segmentation algorithms based on Expectation maximization approach	IOSR-JVCP	International
		IVUS Image segmentation by using expectation maximization approach	IJARCCE	International
16.	Mr. B. Vamsi Krishna	Reducing the jitter noise power by oversampling in high speed OFDM systems	International Journal of Engineering and Science Invention (IJESI)	International
		A Game Theoretic Analysis of Fixed Channel Allocation for Multiple Radios in Multihop Wireless Networks	IJCST,	International
		a novel nash equilibrium technique for allocation in multihop wireless networks	National conference on Advanced Communication systems & Applications Proceedings – ISBN	National
17.	Mr. U. Sreenivasulu	Design improved area efficient weighted modulo 2N+1 adder with simple correction schemes	IJERT	International

Mechanical Engineering:

S.No	Name of the Faculty	Description Paper	Name of the Journal (refereed)	National/ International
1	Dr C Yuvaraj	"Effect of Thermal Fatigue Behavior on Bending strength of Al/Al_2O_3 MMCs"	International Journal of Applied Engineering and Research,	International
		Characterization of Machinability Behavior of aluminum/aluminum oxide MMCs	International Journal of Advance Engineering Research and Studies	International
		"Effect of Drilling Parameters on Drill ability Behavior of Al/Al_2O_3 MMCs"	International Journal of Applied Engineering and Research,	International
		"Effect of ageing on damping behaviors of Al/SiC-Gr Hybrid Metal Matrix Composites	International journal of engineering and manufacturing science	International
		"A Study of Transition Wear Behavior of Alumina Particle Reinforced Al6061 MMCs"	Journal of Reinforced Plastics and Composites (SAGE Publications)	International
		"Effect of Thermal Fatigue Behavior on Bending strength of Al/Al_2O_3 MMCs"	International Journal of Applied Engineering and Research,	International
2	G.Harinath Gowd	"Static Analysis of Leaf spring"	International Journal of Engineering Science & Technology.	International
		"Analysis of Performance characteristics of Laser Beam welding"	International Journal of Engineering Science & Technology.	International
		"Empirical modeling of Bead geometry and optimization in laser welding",	International Journal of Engineering Research and Industrial Applications.	International
		"Empirical modeling of Hard Turning process of Income using Response Surface Methodology.	International Journal of Emerging Technology and Advanced Engineering	International
		A genetic algorithm approach to the optimization of Process parameters in laser beam welding	International Journal of Mechanical Engineering & Technology	International
		Effect of Process Parameters on the	IJAMS	International

		Bead Geometry of Laser Beam Welded Income Sheets		
		"Experimental Investigations on the Effects of Cutting Variables on the Material removal rate and Tool wear for AISI SI steel"	Indian Journal of Applied Research	International
		"Optimal design for laser beam butt welding process parameter for income using artificial neural networks"	International Journal of Emerging Technology and Advanced Engineering	International
		Predication& optimization of end milling process parameters using artificial neural networks	International Journal of Mechanical Engineering & Technology	International
		Design & Analysis of a surface propeller using FEM	International Journal of Emerging Technology and Advanced Engineering	International
		Modeling And Analysis of FSAE Car Disc Brake Using FEM	International Journal of Emerging Technology and Advanced Engineering	International
		Empirical Modeling And Analysis of laser Beam Cutting process	International Journal of Emerging Technology and Advanced Engineering	International
		"Experimental Investigations and optimization of bead geometry in pulsed	International Journal of Emerging Technology	International
3	Dr P.Suryanarayana Raju	Effects of coal syngas impurities of anodes of solid oxide fuel cells	Department of Mechanical AND Aerospace Engineering	International
		Theoretical Calculation of the Electrical Potential at the Electrode/Electrolyte Interfaces of Solid Oxide Fuel cells	Department of Mechanical AND Aerospace Engineering	International
		Journal of Power Sources	Department of Mechanical AND Aerospace Engineering	International
		Degradation Model for Solid Oxide Fuel Cell Anodes due to Impurities in coal Syngas	Department of Mechanical AND Aerospace Engineering	International
		Analysis of SOFCS Using Reference Electrodes	National Energy Technology Laboratory	National
		Solid State Ionics	National Energy Technology Laboratory	National
		Effects of coal syngas impurities of	Department of Mechanical AND	International

		anodes of solid oxide fuel cells	Aerospace Engineering	
4	Dr B. Eswar Kumar	Experimental investigation on aerodynamic characteristics of various triangular- section high-rise buildings	Wind Engineering Research Centre	International
		Peak Pressure Acting on Tall Building with Various Configrations	Wind Engineering Research Centre	International
		Aerodynamic and flow Characteristics of Tall Building with Various Unconventional Configurations	Environmental Engineering Research Centre	International
5	Ch. Sreenivasulu	Influence of working fluid on the performance of a single loop pulsating heat pipe	International Journal of Emerging Technology and Advanced Engineering	International
		Effect of design parameters on the performance of a closed loop pulsating heat pipe	International journal of Mechanical Engineering and Technology	International
6	V.Vamsidhar	"Investigations in a locally developed insulated DI diesel engine with newly developed lubricants"	Technology World an International journal	International
		Volumetric efficiency compensation in an insulated DI Diesel engine for improved performance with Alcohol as an alternate fuel	IJEE, an International journal of Earth Sciences and Engineering	International
		Synthesis Comparative Analysis of IDI Diesel Engine Combustion Emission parameters Fuelled with Ethanol and its Diesel blends	Technology World an International journal	International
7	P.RAYUDU	"Experimental Investigations on the Effects of Cutting Variables on the Material removal rate and Tool wear for AISI SI steel"	Indian Journal of Applied Research	International
		"Optimal design for laser beam butt welding process parameter for Inconel using artificial neural networks"	International Journal of Emerging Technology and Advanced Engineering,	International

8	P.VenkataRamana	Reliability evaluation of repairable Complex systems an analyzing failure Data	International Journal of Mechanical & Robotic Research	International
		Homogeneous charge compression ignition(HCCI)Engine	International Journal of engineering Research& Technology	International
		Increase in productivity of turret punching process(TPP)	International journal of mechanical and production engineering	International
		Gasoline direct injection (GDI) engine	International journal of mechanical engineering research	International
		Design of break drum using finite element method	International Journal of Mechanical & Robotic Research	International
9	B. Sreenivasulu	A Generative CAPP System for Tube Hydro Forming	Springer Journal of The Institution of Engineers (India): Series C)	International
		Empirical modeling of Hard Turning process of Inconel using Response Surface Methodology.	International Journal of Emerging Technology and Advanced Engineering	International
		The Experimental Analysis Of Surface Characteristics Of Inconel-718 Using Electrical Discharge Machining	International Journal of Mechanical Engineering and Robotics Research India	International
		Effect of Process Parameters on the Bead Geometry of Laser Beam Welded Inconel Sheets	IJAMS	International
		"Experimental Investigations on the Effects of Cutting Variables on the Material removal rate and Tool wear for AISI SI steel"	Indian Journal of Applied Research	International
		"Optimal design for laser beam butt welding process parameter for Inconel using artificial neural networks"	International Journal of Emerging Technology and Advanced Engineering,	International
10	S.Praveen Kumar	"Experimental Investigations and optimization of bead geometry in pulsed	International Journal of Emerging Technology	International
		Design & Analysis of Master Cylinder of Hydraulic Braking System Using ANSYS	International Journal of innovative Technology and exploring Engineering	International

		Static analysis of a primary suspension Spring used in locomotive	International Journal of Mechanical & Robotic Research	International
		Structural Analysis of NAB Propeller Replaced with composite material	International Journal of Modern Engineering Research	International
11	Bezawada Sreenivasulu	Modeling And Analysis of performance characteristics of wire EDM OF SS 304	International Journal of innovative Technology and exploring Engineering	International
		Gasoline direct injection (GDI) engine	International journal of mechanical engineering research	International
12	M.VAMSI KRISHNA	Static and Thermo mechanical Analysis of Disc Brake	Global Journal of Engineering Design and Technology	International
		A review on Selection of Cutting Fluids	International Journal of Modern Engineering Research	International
		Structural and Fatigue Analysis of Two wheeler Lighter Weight Alloy Wheels	International Journal of Modern Engineering Research	International
		A review on Processing of Particulate Metal Matrix Composites and Properties	International Journal of applied Engineering Research	International
		A Comparative Study on Analytical and Experimental Bucking Stability of Metal Matrix Composite Columns with Fixed &Hinged Ends	International Journal of applied Engineering Research	International
		Static and Thermo mechanical Analysis of Disc Brake	Global Journal of Engineering Design and Technology	International
13	V. AJAY	Thermal Analysis & Testing On (Aw-Type) Hermetically Sealed Reciprocating Refrigerant Compressor	International Journal of Advances in Engineering Research	International
		Reliability evaluation of repairable Complex systems an analyzing failure Data	International Journal of Mechanical & Robotic Research	International
		Comparison of performance of di diesel engine using Jatropha and neem oil	International Journal of Automobile Engineering Research & Development	International
		Experimental investigations and comparison of diesel engine working on atrophy bio-diesel and jatropha crude oil	International journal of mechanical engineering and technology (IJMET)	International

14	R.Manu Ravuri	Machinability of bearing steels by face turning method	International Journal of Scientific and Engineering Research	International
		Comparison of performance of di diesel engine using Jatropha and neem oil	International Journal of Automobile Engineering Research & Development	International
		Analysis of Optimization of Automobile Seat Track	International Journal of Automobile Engineering Research & Development	International
		Dimensional Computing of Coupling by using Java	International journal of Current engineering and technology	International
		Experimental investigations and comparison of diesel engine working on atrophy bio-diesel and jatropha crude oil	International journal of mechanical engineering and technology (IJMET)	International
		Java for mechanical design computation dimensions of the various flange couplings	International Journal of Application or Innovation engineering	International
		Predictive machinability model of hardened steel material in turning operation by response surface regression method	International Journal of Application or Innovation engineering	International
15	Guru Mahesh G	Simulation Of The Crack Propagation Using Fracture Mechanics Techniques In Titanium-Based Alloy Skin	International Journal of Mechanical and Production Engineering Research and Development	International
		Reliability evaluation of repairable Complex systems an analyzing failure Data	International Journal of Mechanical & Robotic Research	International
		Increase in productivity of turret punching process(TPP)	International journal of mechanical and production engineering	International
		Dimensional Computing of Coupling by using Java	International journal of Current engineering and technology	International
		Analysis of Optimization of Automobile Seat Track	International Journal of Automobile Engineering Research & Development	International
		Static analysis of a primary suspension	International Journal of Mechanical &	International

		Spring used in locomotive	Robotic Research	
		Modeling and Analysis of Monochromatic Composite Leaf Spring Using FEM	International Journal of Engineering Research & Technology	International
		Modeling And Thermal Analysis Of Si Engine Piston Using Fem	International Journal of Mechanical & Robotic Research	International
16	S. AKBAR BASHA	Predictive machinability model of hardened steel material in turning operation by response surface regression method	International Journal of Application or Innovation engineering	International
		Analysis of Optimization of Automobile Seat Track	International Journal of Automobile Engineering Research & Development	International
		Design and Optimization of Existing Automotive Seat Recliner	International Journal of Engineering Research & Technology (IJERT)	International
17	M.GUNA SHEKAR REDDY	Empirical modeling of Hard Turning process of Inconel using Response Surface Methodology.	International Journal of Emerging Technology and Advanced Engineering	International
		Effect of Process Parameters on the Bead Geometry of Laser Beam Welded Inconel Sheets	IJAMS	International
		"Optimal design for laser beam butt welding process parameter for Inconel using artificial neural networks"	International Journal of Emerging Technology and Advanced Engineering,	International
		"Experimental Investigations on the Effects of Cutting Variables on the Material removal rate and Tool wear for AISI SI steel"	Indian Journal of Applied Research	International
		Modeling And Analysis of FSAE Car Disc Brake Using FEM	International Journal of Emerging Technology and Advanced Engineering	International
		Synthesis and Characterization of Hard wic kia Binata Fiber with Epoxy	International Journal of Emerging Technology and Advanced Engineering	International
		Empirical modeling of Hard Turning process of Inconel using Response	International Journal of Emerging Technology and Advanced Engineering	International

		Surface Methodology.		
18	M.Subba Rao	Finite Element Magnet static Analysis of Magneto strictive Actuator with Different Housing Materials	International Journal of Application or Innovation engineering	International
19	S Kareemula.	Predication& optimization of end milling process parameters using artificial neural networks	International Journal of Mechanical Engineering & Technology	International

Basic Sciences & Humanities

S.No	Name of the Faculty	Description of paper	Name of the Journal	National/ International
1	Dr N. S. K. Rao	Facile total synthesis of gymnoconjugatins A and B	Tetrahedron Letters	International
		Purity assessment of drug discovery compound libraries using an agilent single quadrupole to diode array and evaporative light scattering detector	Application Note, Drug Discovery, published in USA	International
2	Dr. P. P.George	Chemical Reactions under Autogenic Pressure at Elevated Temperature to Fabricate Photo-luminescent Ga2O3 nanocrystals and its Coatings	Royal Society Advances	International
		Synthesis of Ni3S2 and NiSe nanoparticles encapsulated in carbon shell and coating these onto stainless steel surfaces by RAPET	Royal Society Advances	International
3	Dr. S. Elamathi	Studies on polymer modified metal oxide anode for oxygen evolution reaction in saline water	Journal of Electroanalytical Chemistry	International
		Separation of Ni2+, Cu2+ and Cr6+ Metal Ions from Water by Complexation Micro Filtration Technique Using Synthetic Polymer Membranes	Progress in Nanotechnology and Nanomaterials	International
		Organic/inorganic composite membranes for proton exchange membrane fuel cells	Research & Reviews In Electrochemistry	International
		Evaluation of sulfoated tri - block copolymer/heteropoly acid composite membranes for fuel cell applications	Asian Journal of Science and Technology	International
		Performance of sulphonated polystyrene ethylene butylene polystyrene on water electrolyzer	"International Journal of wind and Renewable Energy	National

		Effect of Pd and Pt catalysts on the performance of electrolyte membrane in hydrogen sensor	International Journal of Science, Environment and Technology,	National
		Sulfonated polystyrene – block – (ethylene – ran – butylene) – block – polystyrene (SPSEBS) membrane for sea water electrolysis to generate hydrogen	ECS Transactions	International
		A novel anion exchange membrane from polystyrene (ethylene butylene) polystyrene: Synthesis and characterization,	Materials Science and Engineering B	International
		Evaluation of sulphonated polystyrene ethylene butylene polystyrene/ montmorillonite nano-composites as proton exchange membranes	International Journal of Plastic Technology	International
4	Dr. K. Chandra Mohan	Electrochemical behavior of mecarphon and phenthoate by using polythiophene based nanosensors	Nanoscience and Nanotechnology: An International Journal	International
		Electrochemical behavior and determination of bromethrin pesticide residues in soil, water and agricultural formulations	International Journal of Chemical Science and Technology	International
		Voltammetric Behaviour of Carbonyl Group Containing Pesticides Topramezone, Fenomidone and Methiocarb	Global Journal of Science Frontier Research Chemistry	International
		Electrochemical behaviour of the Achariside Methiocarb and its residues in soil and water samples	International journal of environmental sciences	International
		Differential Polarographic Behaviour of Nitrogroup Containing Pesticides Dinitramine, Bromethalin and Isopropalin	International Journal of Scientific & Engineering Research	International
		Electrochemical Behaviour of the herbicide Oxbetrinil and its determination in soil and water samples	Analytical Chemistry: An Indian journal	International
		Electrochemical behaviour of the herbicide fluxofenim and its determination in grains	International journal of environmental sciences	International

		and water samples		
		Determination of Sorafenib In Spiked HumanUrine By Differential Pulse Polarography at Dropping Mercury Electrode	Global Journal of Science Frontier Research	International
		Differential pulse polarographic determination of Mn(II) and Zn(II) in biological and human hair samples after preconcentration of its complex with 2, 2'-{benzene-1, 2-diylbis (nitrilomethylylidene]}diphenol using Amberlite XAD-1180 resin.	International Journal of Chemical and Analytical Science	International
		Differential pulse polarographic determination of Cr(VI) in various environmental and soil samples using 2,2'-{benzene-1,2 diylbis (nitrilomethylylidene]} diphenol	International Journal of chemtech Research	International
5	Dr. K. Mohan Kumar	Extracellular synthesis of silver nanoparticles by novel Pseudomonas veronii AS 41G inhabiting Annona squamosa L. and their bactericidal activity	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	International
		Phyllanthus emblicamediated Synthesis of Palladium Nanoparticles.	Journal of the Indian Chemical Society	National
		Larvicidal activity of zero valent iron nanoparticles against malarial and filarial vector	Journal of the Indian Chemical Society (Conference series of IETC-2013)	National
		Copper (I) assisted catalyst synthesis of substituted allenes and their biological studies	International Journal of Research in Pharmaceutical Sciences	International
		Antimicrobial and antioxidant activities of Mimusops elengi seed extract mediated isotropic silver nanoparticles	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	International
		Gold nanoparticles by Terminalia bellirica aqueous extract – a rapid green method	Journal of Experimental Nano science	International

		Green synthesis of size controllable gold nanoparticles	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	International
		Synthesis and characterization of gold nanoparticles using Mimosops elengi aqueous extract	Journal of the Indian Chemical Society	National
		Green synthesis of nano platinum using naturally occurring polyphenols	RSC Advances	International
		Synthesis and characterization of flower shaped Zinc Oxide nanostructures and its antimicrobial activity	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	International
		Biobased green method to synthesis palladium and iron nanoparticles using Terminalia chebula aqueous extract	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy ISSN 1386-1425	International
		Speciation of green iron nanoparticles in situ by a simple UV-Visible technique	Journal of the Indian Chemical Society	National
		Comparative studies of PbII remediation by zero-valent iron and bimetallic Ni/Fe nanoparticles	Journal of the Indian Chemical Society	National
		Magnetic memory effect in chelated zero valent iron nanoparticles	Journal of Magnetism and Magnetic Materials	International
		Flower-shaped ZnO nanoparticles as an efficient, heterogeneous and reusable catalyst in the synthesis of N-arylhomophthalimides and benzannelated isoquinolinones	Research on Chemical Intermediates	International
		Synthesis of zero valent iron nanoparticles and application to removal of arsenic(III) and arsenic(V) from water	Journal of the Indian Chemical Society	National
		Green synthesis of silver nanoparticles using Terminalia chebula extract at room temperature and their antimicrobial studies	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	International
		Zinc oxide nanoparticles catalyzed condensation reaction of isocoumarins and 1,7-heptadiamine in the formation of bis-	The Scientific World Journal	International

		isoquinolinones		
		Terminalia chebula mediated green and rapid synthesis of gold nanoparticles	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	International
6	Dr. Hampamma	"Self – victimization in the Shorter Fiction of Jai Nimbkar"	Research Spectrum	National
		"Psychological Struggle of the Old and the Young in the Shorter Fiction of Anita Desai"	Contemporary Research in India	International
		"Theme of Loss and Loneliness in the Short Fiction of Shashi Deshpande"	Forum for Musings - JNTUH Journal of English Studies	National
		"Rabindranath Tagore's Once Upon A Time & Anita Desai's Games at Twilight: A Comparative Study"	Wizcraft Journal of Language and Literature	International
		"Mother Figure in the Short Stories of Shashi Deshpande"	Contemporary Research in India	International
		"Fictional Art of Shashi Deshpande"	International Journal of English: Literature, Language & Skills (IJELLS)	International
		"Fictional Art of Jai Nimbkar"	Research Spectrum	National
		"Mother Figure in the Short Stories of Jai Nimbkar"	The Criterion - An International Journal in English	International
		"Jai Nimbkar: A Reluctant Feminist"	The Literary Criterion	National
		"My Life" (poetry)	Muse India, the literary e-journal	International
		"Fictional Art of Anita Desai"	SV University Journal	National
		"Women of the Mahabharatha: Perspective of Shashi Deshpande"	International Journal of Physics and Social Sciences	International
		"Anita Desai's Career Woman in The Rooftop Dwellers"	Wizcraft Journal of Language and Literature,	International
7	Dr.Shanmuga Priya	"Tagore's Binodini and Bimala: The Emancipated Indian Women"	Research Scholar: An International Refereed e-Journal of Literary Explorations (ISSN 2320-6101), on-line	International
		"The Docile and Domineering Women in Rohinton Mistry's Novels Such Long Journey, A Fine Balance and Family Matters"	Contemporary Research in India, ISSN:2231-2137. Print	International
		"Secular Spirit in Khushwant Singh's Delhi"	Research Spectrum, ISSN 0976-5964. Print	National

		"Authentic Realities of Life: An Approach to Rohinton Mistry's Such a Long Journey"	SVU Journal of English Studies. Print ISSN: 2230-7923	National
8	Dr.V.R.Sitara	Content and Language Integrated Learning		International
		Job opportunities in emerging sectors		National
9	Dr.B.Rasheeda Begum	The Theme of poverty in the good earth	Wizcraft journal of language and literature	International
		Faith, Grace and Salvation in the river	IJELL	International
		Traditional culture confronted by modern western life style in east wind :west wind	IJRSS	International
		The concept of alienation and rootlessness in kamala markandeyas'Novel nectar ina sieve	Indian Fiction in English	National
		Activity based grammar teaching	Mc-Graw Hill Professional	National
		Soft skills for personality development	ELTAI Tirupati chapter Journal of English language and literature	National
10	Dr.Venkateswarlu. P	Slavery- It's Price is Tyrannical in Toni Morrison's Beloved	Contemporary Research in India	International
		English Language Learning: A Practical Approach	Contemporary Research in India	International
		Alienation and Oppression: A Socio-Psychological Trauma in Toni Morrison's The Bluest Eye	Research Link	International
		Toni Morrison in Postmodernism	Contemporary Research In India	International
		The Role of Vocabulary in English Language Learning	Wiz craft Journal of Language and Literature	International
		Speaking Skills: Indispensable for Professional Students	Research Spectrum	National
11	Ms.M.R.Indumathi	Gandhi The Real Hero	Research Spectrum (A Peer-Reviewed National Journal) ISSN: 0976-5964	National
		That long silence Feminine Sensibility - A study	IJMRA ISSN:2249-5894	International
		influence of myth in Girish Karnads Hayavadana	Contemporary Research in India ISSN:2231-2137	International

		Imagery and Nature in the plays of Girish Karnad	S.V.U journal pp-,ISSN: 2230-7923	National
		Specialty of Ruskin Bond's Writings	Academic Research Journals - International Journal of English Literature, ISSN: 2141-2626	International
		Role of English Language for Engineering Students	American International Journal of Research in Humanities, Arts and Social Sciences (AIJRHASS) ISSN 2328 – 3696	International
12	Ms.K.Latha	Shashi Deshpande's Quest for Identity in "THAT LONG SILENCE"	Veda Publications - An International English Journal ISSN 2349-9753	International
		The Myth of Akkammadeities –seven Sisters	Research Scholar An International Refereed e-Journal of Literary Explorations ISSN 2320 – 6101	International
		Myth Ritual of Akkammadeities by Urumulavaru	The Criterion an International Journal in EnglishISSN 0976-8165	International
		The changing trends in Indian writing in English with special reference to Ruskin Bond	Academic Research Journals - International Journal of English Literature and Culture ISSN No. : 2360-7831	International
		Origin of Indian English Fiction with special emphasis on Ruskin Bond's Writings	International Journal of Physical and Social Sciences ISSN: 2249-5894	International
		Ruskin Bond's: Personal Glimpses	English Literature and Language Teaching Innovations, Challenges and Remedies "FORUM FOR MUSINGS" the JNTUH Journal of English Studies (A Peer Reviewed Bi-Annual National Journal) ISSN: 2231-0266	National
		Ruskin Bond: Biographical Sketch & Influences	Research Spectrum (A Peer-Reviewed National Journal) ISSN: 0976-5964	National
		Themes and Imagery in the writings of Ruskin Bond	International Journal of Contemporary Research in India ISSN: 2231-2137	International
13	Ms.M.Parvathi	Property, Wealth and the American Dream in	A conference Proceedings with a special	International

		William Faulkner's Barn Burning	volume by The Indian Association for American Studies (IAAS).	
		Usage of Technology in English Language Class Room by Professional Students -A Study.	American International Journal of Research in Humanities, Arts and Social Sciences-ISSN (Print): 2328-3734, ISSN (Online): 2328-3696.	International
		Classical Indian Narrative Technique in Short stories of R. K. Narayan.	Research Scholar an International Refereed e-journal of Literary Explorations, ISSN 2320-6101.	International
		Tragi-Comedy and Comi-Tragedy in Faulkner's Pantaloon in Black.	IJMRA, an Online International Journal, ISSN: 2249-5894.	International
		Changing Portraits in A Rose for Emily.	Contemporary Research In India, a peer-reviewed Multi-Disciplinary International Journal, ISSN: 2231-2137,	International
		William Faulkner's use of Shakespearean Materials	Forum for Musings, A peer reviewed JNTUH Journal of English Studies, ISSN: 2231-0266.	National
		The Influences of East and West in Tagore's Gora and The Home and the World	TJELLS, ISBN: 978-81-23897-0-7, Volume-I: April 2012.	National
		Symbolism in Tagore's Plays The Post Office and Muktadhara.	S.V.U a peer reviewed Journal of English Studies, ISSN: 2230-7923.	National
14	Ms.P.Athar Samina Khan	Self and Identity in Toni Morrison Sula	S.V University Journal of English Studies	National
		Persuasive Facts about Soft Skills for Management Educator	Innovative Management Strategies, Vol 1, Issue I, Paramount	National
		Salman Rushdie, Potential yet controversial-With focus on his religious perspectives	Literary Vibes, A refereed National journal in English studies. Vol 2 Issue II ,ISSN 2320-6896,	National
		Continuing Professional development :An Essential Tool	International Journal of English Language	International
		Assessing and Evaluating Continuing Professional Development	Contemporary research in India, A peer reviewed Multi- Disciplinary International Journal, Vol.3 Issue II ,ISSN 2231	International
		Language teaching to professional students	International Association of Scientific	International

		with rural background: a challenging task	Innovation and Research (IASIR) (An Association Unifying	
		Employee Involvement and Organizational Culture	IOSR Journals(International Organization of Scientific Research)	International
15	Dr. K.Srinivas	IJFCET (International Journal of Futuristic Science Engineering & Technology)	ISSN 2320-4486	International
		IJFCET (International Journal of Futuristic Science Engineering & Technology)	ISSN 2320-4486	International
		UGC National Seminar on Consumer protection issues & challenge's	Dept., of Commerce, S.K.University, Anantapur	National
		UGC National Seminar on Rural Women & Natural Resources Management : Opportuinites,Policies & Challenges	Dept.of RD, S.K.University, Anantapur	National
16	Dr.P.Seshagiri Rao	Technology, Service Quality and Customer Satisfaction in Banking Sector: A Study with reference to Chittoor District, AP	R.V.JOURNAL OF MANAGEMENT RESEARCH	National
		Rural women entrepreneurship - Challenges: A study with reference to Chittoor district, Andhra Pradesh	Contemporary Research in India	International
		Problems affecting the growth of Small and Medium Enterprises(SME's) in Chittoor District of Rayalaseema Region, Andhra Pradesh	International Journal of Entrepreneurship and Management	International
		"Self – victimization in the Shorter Fiction of Jai Nimbkar"	Research Spectrum	National
		"Psychological Struggle of the Old and the Young in the Shorter Fiction of Anita Desai"	Contemporary Research in India	International
		"Theme of Loss and Loneliness in the Short Fiction of Shashi Deshpande"	Forum for Musings - JNTUH Journal of English Studies	National
		"Rabindranath Tagore's Once Upon A Time & Anita Desai's Games at Twilight: A Comparative Study"	Wiz craft Journal of Language and Literature	International
		"Mother Figure in the Short Stories of Shashi Deshpande"	Contemporary Research in India	International

17	Dr N. S. K. Rao	Facile total synthesis of gymnoconjugatins A and B	Tetrahedron Letters	International
		Purity assessment of drug discovery compound libraries using an agilent single quadrupole to diode array and evaporative light scattering detector	Application Note, Drug Discovery, published in USA	International
18	Dr. P. P. George	Chemical Reactions under Autogenic Pressure at Elevated Temperature to Fabricate Photo-luminescent Ga2O3 nanocrystals and its Coatings	Royal Society Advances	International
		Synthesis of Ni3S2 and NiSe nanoparticles encapsulated in carbon shell and coating these onto stainless steel surfaces by RAPET	Royal Society Advances	International
19	Dr. S. Elamathi	Studies on polymer modified metal oxide anode for oxygen evolution reaction in saline water	Journal of Electro analytical Chemistry	International
		Separation of Ni2+, Cu2+ and Cr6+ Metal Ions from Water by Complexion Micro Filtration Technique Using Synthetic Polymer Membranes	Progress in Nanotechnology and Nanomaterials	International

		Organic/inorganic composite membranes for proton exchange membrane fuel cells	Research & Reviews in Electrochemistry	International
		Evaluation of sulfoated tri - block copolymer/heteropoly acid composite membranes for fuel cell applications	Asian Journal of Science and Technology	International
		Performance of sulphonated polystyrene ethylene butylene polystyrene on water electrolyzer	"International Journal of wind and Renewable Energy	National
		Effect of Pd and Pt catalysts on the performance of electrolyte membrane in hydrogen sensor	International Journal of Science, Environment and Technology,	National
		Sulfonated polystyrene – block – (ethylene – ran – butylene) – block – polystyrene (SPSEBS) membrane for sea water electrolysis to generate hydrogen	ECS Transactions	International
		A novel anion exchange membrane from polystyrene (ethylene butylene) polystyrene: Synthesis and characterization,	Materials Science and Engineering B	International
		Evaluation of sulphonated polystyrene ethylene butylene polystyrene/ mont morillonite nano-composites as proton exchange membranes	International Journal of Plastic Technology	International

List of Books required for various departments for academic year 2014-15 and 2015-16

Department of Electrical and Electronics Engineering

S.No	TITLE	AUTHOR	PUB	QTY	Unit Price	Total cost
1	POWER ELECTRONICS CIRCUITS,DEVICES AND APP 3/ED	RASHID	PEA	2	615	1230
2	POWER ELECTRONICS	MOHAN	WI	2	659	1318
3	SWITCH-MODE POWER DESIGN AND ANALYSIS CONVERTERS	KENG WU	ELS	2	7523	15046
4	LINEAR SYSTEMS	KAILATH	PH	2	7605	15210
5	NUMERICAL METHODS FOR LINEAR CONTROL SYSTEMS	DATTA	ELS	2	495	990
6	DIGITAL CONTROL AND STATE VARIABLE METHODS	GOPAL	TMH	2	1300	2600
7	ELECTRIC MOTOR DRIVES:MODELING,ANALYSIS & CONTROL	KRISHNAN	PHI	2	525	1050
8	MODERN POWER ELECTRONICS & AC DRIVES	BOSE	PHI	3	900	2700
9	FUNDAMENTALS OF POWER ELECTRONICS 2/ED	ERICKSON	SPR	2	495	990
10	POWER SYSTEM PROTECTION	ANDERSON	CBS	2	2195	4390
11	ELECTRICAL POWER SYSTEM PROTECTION,2/ED	WRIGHT	SPR	3	1500	4500
12	RELIABILITY EVALUATION OF POWER SYSTEMS 2/ED P/B	BILLINTON	SPR	3	1700	5100
13	ELECTRICAL POWER SYSTEM PROTECTION 2/ED	CHRISTOPOULOS	SPR	3	1500	4500
14	BPOWER SYSTEM DYNAMICS STABILITY AND CONTROL	PADIYAR	BSP	2	495	990
15	FLEXIBLE AC TRANSMISSION SYSTEMS:MODELING AND CONT	BIKASH PAL	SPR	2	12595	25190
16	OPERATION AND CONTROL OF ELECTRIC ENERGY PROCESSIN	MOMOH	JW	2	5719	11438
17	FUNDAMENTALS OF ELECTRIC CIRCUITS,3/ED (SIE)	ALEXANDER	TMH	3	1100	3300
18	ELECTRIC CIRCUITS,8/ED	NILSSO	PEA	3	1450	4350
19	POWER ELECTRONIC CONTROL IN ELECTRICAL SYSTEMS	ACHA	ELS	3	850	2550
20	ELECTRIC MACHINERY FUNDAMENTALS 4/ED	CHAPMAN	TMH	2	650	1300
21	ELECTRIC POWER SYSTEMS	NASAR	YES	2	495	990
22	COMPUTER MODELING OF ELECTRICAL POWER SYSTEMS	ARRILLAGA	WI	2	399	798
23	HVDC TRANSMISSION:POWER CONVERSION APPLI.IN POWER	KI KIM	WIE	2	8359	16718
24	LABORATOTY MANUAL FOR ELECTRICAL	KOTHARI	IKI	3	590	1770

	MACHINES					
25	ELECTRICAL MACHINES, DRIVES AND POWER SYSTEMS	WILDI	PEA	3	1580	4740
26	ELECTRIC MACHINES AND DRIVES: A FIRST COURSE	MOHAN	WI	3	798	2394
27	ELECTRICAL MACHINES & DRIVE SYSTEMS,3/ED	HINDMARSH	ELS	3	1450	4350
28	PRINCIPLE OF ELECTRICAL MACHINE DESIGN 3/ED	SEN	OUP	3	790	2370
29	MODERN POWER SYSTEM ANALYSIS	WANG	BSP	2	1095	2190
30	POWER ELECTRONICS & MOTOR CONTROL 2/ED	SHEPHERD	CUP	3	990	2970
31	INTRODUCTORY CIRCUIT ANALYSIS	BOYLESTAD	PEA	3	1500	4500
32	NETWORK ANALYSIS WITH APPLICATIONS WITH CD	STANLEY	PEA	3	820	2460
33	A COMPLETE GUIDE TO THE GATE-ELECTRICAL ENGINEERIN	TRISHNA	PEA	3	1798	5394
34	INTRODUCTION TO SOFT COMPUTING 1/E	SAMIR ROY	PEA	3	930	2790
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S.no	TITLE	AUTHOR	PUB	QTY	PRICE	AMOUNT
1	OPERATIONAL AMPLIFIERS & LINEAR INTEGRATED 6/E	COUGHLIN	PHP	3	350.00	1050.00
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91	DIGITAL SIGNAL PROCESSORS 2/ED	VENKATARAMANI	TMH	3	565.00	1695
92	DIGITAL SIGNAL PROCESSING	STEIN	WI	3	569.00	1707
93	CMOS/BICMOS ULSI LOW VOLRAGE LOW POWER	YEO	PEA	3	825.00	2475
94	PRACTICAL LOW POWER DIGITAL VLSI DESIGN	YEAP	SPR	3	595.00	1785
95	BASIC VLSI DESIGN 3/ED	PUCKNELL	PHI	3	350.00	1050
96	DIGITAL INTEGRATED CIRCUITS 2/ED	RABAEY	PHI	3	495.00	1485
97	CMOS DIGITAL INTEGRATED CIRCUITS,3/ED	KANG	TMH	3	635.00	1905
98	WIRELESS COMMUNICATION	GOLDSMITH	CUP	3	545.00	1635
99	MODERN WIRELESS COMMUNICATION	HAYKIN	PEA	3	599.00	1797
100	WIRELESS COMMUNICATIONS,2/ED	RAPPAPORT	PEA	3	650.00	1950

101	PRINCIPLES OF MOBILE COMMUNICATION 3/ED	STUBER	SPR	3	1095.00	3285
102	WIRELESS DIGITAL COMMUNICATIONS	FEHER	PHI	3	395.00	1185
103	INTRODUCTION TO SPREAD SPECTRUM COMMUNICATION	PETERSON	PEA	3	525.00	1575
104	CDMA:PRINCIPLES OF SPREAD SPECTURM	VITERBI	AW	3	75.00	225
105	ERROR CONTROL CODING 2/ED	LIN	PEA	3	875.00	2625
106	DIGITAL COMMUNICATIONS,2/ED	SKLAR	PEA	3	799.00	2397
107	DIGITAL COMMUNICATIONS 5/ED	PROAKIS	ISE	3	19.00	57
108	DIGITAL AND ANALOG COMMUNICATION SYSTEMS	SHANMUGAM	WI	3	469.00	1407
109	DIGITAL COMMUNICATIONS	HAYKIN	WI	3	549.00	1647
110	ISDN & BROADBAND ISDN W/FRAME RELAY ATM	STALLINGS	PEA	3	599.00	1797
111	COMPUTER NETWORKS 2/ED	GARCIA	TMH	3	695.00	2085
112	THE INTEL MICROPROCES.:8086/8088,80186/80188,8/ED	BREY	PEA	3	825.00	2475
113	ADVANCED MICROPROCESSOR & PERIPHERALS 3/ED	RAY	TMH	3	585.00	1755
114	MICRO COMPUTER SYSTEMS:THE 8086/8088 FAMILY	CHANG	PHI	3	375.00	1125
115	MICROPROCESSORS & INTERFACING	HALL	TMH	3	665.00	1995
116	FUNDAMENTALS OF STATISTICAL SIGNAL PROCESSING V-1	KAY	PEA	3	750.00	2250
117	DETECTION ESTIMATION & MODULATION THEROY PART-I	VAN TREES	WI	3	1095.00	3285
118	STATISTICAL DIGITAL SIGNAL PROCESSING & MODELING	HAYES	WI	3	489.00	1467
119	DIGITAL IMAGE PROCESSING 3/ED	GONZALEZ	PEA	3	840.00	2520
120	DIGITAL IMAGE PROCESSING:PIKS SCIENTIFIC INSIDE,4/	PRATT	WI	3	649.00	1947
121	INTRODUCTION TO DIGITAL IMAGE PROCESSING WITH MAT	MCANDREW	CL	3	395.00	1185
122	DIGITAL VIDEO PROCESSING 1/ED	TEKALP	PEA	3	1050.00	3150
123	OPTICAL FIBER COMMUNICATIONS 4/ED	KEISER	TMH	3	525.00	1575
124	OPTICAL NETWORKS,3/ED	RAMASWAMI	ELS	3	525.00	1575
125	OPTICAL FIBER COMMUNICA.:PRINCIPLES & PRACTICE,3/E	SENIOR	PEA	3	715.00	2145

126	FIBER-OPTIC COMMUNICATION SYSTEMS 3/ED	AGARWAL	WI	3	589.00	1767
127	INTRODUCTION TO DATA COMPRESSION 3/ED	SAYOOD	ELS	3	425.00	1275
128	DATA COMPRESSION: THE COMPLETE REFERENCE 4/E	SALOMON	SPR	3	795.00	2385
129	ELEMENTS OF INFORMATION THEORY	COVER	WI	3	539.00	1617
130	THE TRANSFORM AND DATA COMPRESSION HANDBOOK	RAO	CRC	3	4000.00	12000
131	MULTIRESOLUTION SIGNAL DECOMPOSITION:TRANSFORMS	AKANSU	ACA	3	160.00	480
132	WAVELETS AND SUBBANDS: FUNDAMENTALS & APPNS.	ABBATE	BIB	3	84.90	254.7
133	DIGITAL IMAGE PROCESSING 3/ED,(NEW EDITION)	GONZALEZ	PEP	3	840.00	2520
134	A FIRST COURSE IN ABSTRACT ALGEBRA 7/ED	FRALEIGH	PEA	3	605.00	1815
135	NAIVE SET THEORY	HALMOS	SPR	3	350.00	1050
136	NUMERICAL MATHEMATICAL ANALYSIS	SCARBOROUGH	OXI	3	350.00	1050
137	FUNDAMENTALS OF MATHEMATICAL STATISTICS	KAPOOR	SUL	3	550.00	1650
138	ELEMENTARY NUMERICAL ANALYSIS,3/ED	CONTE	TMH	3	565.00	1695
139	ENGINEERING OPTIMIZATION:THEORY AND PRACTICE 4/ED	RAO	WIE	3	1295.00	3885
140	FUNDAMENTALS OF MICROFABRICATION	MADOU	CRC	3	1495.00	4485
141	PHYSICAL PRINCIPLES OF ELECTRON MICROSCOPY:AN INTR	RAY	SPR	3	79.99	239.97
142	NANOCHEMISTY	OZIN	RSC	3	59.80	179.4
143	MICROFABRICATION & NANOMANUFAC	JACKSON	T&F	3	111.00	333
144	THE CHEMISTRY OF NANOMATERIALS:SYNTHESIS,PROPERTIS	RAO	JW	3	610.00	1830
145	NANOPARTICLES FROM THEORY TO APPLICATIONS 2/ED	SCHMIDT	JW	3	215.00	645
146	AN INTRODUCTION TO MICROELECTROMECHANICAL SYS.ENG	MALUF	AH	3	74.00	222
147	MEMS: MECHANICAL SENSOSRS	BEEBY	AH	3	84.00	252
148	MICROSYSTEM DESIGN	SENTURIA	SPR	3	595.00	1785
149	RF MEMS CIRCUIT DESIGN FOR WIRELESS	HECTOR	AH	3	75.00	225

	APPLICATIONS					
150	THE MEMS HANDBOOK	MOHAMED	CRC	3	181.00	543
151	NANO CMOS CIRCUIT AND PHYSICAL DESIGN	WONG	JW	3	162.95	488.85
152	DESIGN FOR MANUFACTURABILITY & YIELD FOR NANO-SCAL	CHAING	SPR	3	595.00	1785
153	INTRODUCTION TO SOLID STATE PHYSICS 8/ED	KITTEL	WI	3	549.00	1647
154	INTRODUCTION TO SOLID STATE PHYSICS	KUMAR	PHI	3	325.00	975
155	TEXTBOOK OF QUANTUM MECHANICS 2/ED	MATHEWS	TMH	3	470.00	1410
156	QUANTUM MECHANICS	AGARWAL	PHI	3	295.00	885
157	FUNDAMENTALS OF NANOELECTRONICS	HANSON	PEA	3	615.00	1845
158	INTRODUCTION TO NANO TECHNOLOGY	POOLE	WI	3	539.00	1617
159	NANOTECHNOLOGY AND NANOLELCTRONICS	FAHRNER	SPR	3	695.00	2085
160	DIGITAL LOGIC DESIGN PRINCIPLES	BALABANIAN	WI	3	459.00	1377
161	ELEMENTS X-RAY DIFFRACTION	CULLITY	PH	3	205.20	615.6
162	PHYSICAL PRINCIPLES OF ELECTRON MICROSCOPY:AN INTR	EGERTON	SPR	3	79.99	239.97
163	INTRODUCTION TO NANO TECHNOLOGY	POOLE	WI	3	539.00	1617
164	CARBON NANOTUBES	MICHAEL	CRC	3	93.00	279
165	NANOTECHNOLOGY ENABLED SENSORS	KALANTAR	SPR	3	129.99	389.97
166	DATA ACQUISITION FOR SENSOR SYSTEMS	ROSEMARY	SPR	3	129.99	389.97
167	SENSORS AND SIGNAL CONDITIONING 2/ED	RAMON PALLAS	SIP	3	795.00	2385
168	FUNDAMENTALS OF MICROFABRICATION	MADOU	CRC	3	1495.00	4485
169	NANOTECHNOLOGY	GREGORY TIMP	SPR	3	1295.00	3885
170	NANOMEDICINE:A SYSTEM ENGINEERING APPAOACH	ZHANG	CUP	3	149.00	447
171	FOUNDATIONS OF ELECTRONICS	COGDELL	PEA	3	425.00	1275
172	BASIC ELECTRONICS	GHATAK	PEA	3	450.00	1350
173	ELECTRONICS 4/E	STOREY	PEA	3	699.00	2097
174	INTRODUCTION TO SPREAD SPECTRUM COMMUNICATION	ZIEMER	AW	3	525.00	1575
175	SPEECH AND LANGUAGE PROCESSING: AN INTRODUCTION TO	JURAFSKY / MART	PEA	3	970.00	2910
176	DIGITAL & ANALOG COMMUNICATION SYSTEMS 7/ED	COUCH	PEA	3	690.00	2070

177	INFORMATION THEORY, CODING & CRYPTOGRAPH	ARIJIT SAHA	PEA	3	299.00	897
178	EXPRESS LEARNING â?? DIGITAL ELECTRONICS	ITL ESL	PEA	3	299.00	897
179	DIGITAL DESIGN 5/ED	MANO	PEA	3	555.00	1665
180	DIGITAL ELECTRONICS 9/E	KLEITZ	PEA	3	750.00	2250
181	DISCRETE TIME SIGNAL PROCESSING	OPPEMHEIM	PEA	3	550.00	1650
182	FUNDAMENTALS OF ANALOG CIRCUITS	FLOUD	PEA	3	775.00	2325
183	ELECTRONIC DEVICES AND CIRCUITS	SINGH	PEA	3	550.00	1650
184	EMBEDDED SYSTEMS AN INTEGRATED APPROACH	DAS	PEA	3	475.00	1425
185	AVR MICROCONTROLLER AND EMBEDDED SYSTEMS: USING AS	MAZIDI / NAIMI	PEA	3	710.00	2130
186	THE 8086 MICROPROCESSORS	DAS	PEA	3	465.00	1395
187	THE X86 PC 5/E	MAZIDI	PEA	3	750.00	2250
188	MATLAB & ITS APPLICATION IN ENGINEERING	BANSAL	PEA	3	530.00	1590
189	INTRODUCTION TO MATLAB 7	ETTER	PEA	3	575.00	1725
190	MASTERING MATLAB 7	HANSELMAN	PEA	3	699.00	2097
191	PROBABILITY, STATISTICS AND RANDOM PROCE	KOUSALYA	PEA	3	350.00	1050
192	ANALOG SIGNALS AND SYSTEMS	KUDEKI	PEA	3	499.00	1497
193	SIGNALS, SYSTEMS, AND TRANSFORMS	PHILLIPS / PARR	PEA	3	790.00	2370
194	DETECTION THEORY,APPLICATIONS AND DIGITAL SIGNAL P	HIPPEMSTIEL	CRC	3	84.00	252
195	PULSE & DIGITAL CIRCUITS,2/ED	KUMAR	PHI	3	350.00	1050
196	BASIC CIRCUIT THEORY	DESOER	TMH	3	665.00	1995
197	LINEAR CIRCUIT ANALYSIS	DECARLO	OUP	3	595.00	1785
198	FUNDAMENTALS OF ELECTRIC CIRCUITS,3/ED (SIE)	ALEXANDER	TMH	3	550.00	1650
199	INTRODUCTION TO ELECTRIC CIRCUITS 6/E		WI	3	599.00	1797
200	BASIC ENGINEERING CIRCUIT ANALYSIS	IRWIN	WI	3	799.00	2397
201	MICROELECTRONIC CIRCUITS:THEORY & APPLICATION,5/ED	SEDRA	OUP	3	725.00	2175
202	MICROELECTRONIC CIRCUITS	RASHID	CL	3	599.00	1797
203	SOLID STATE ELECTRONIC DEVICES 6/ED	STREETMAN	PHP	3	375.00	1125
204	ANALOG INTEGRATED CIRCUIT DESIGN	JOHNS	WI	3	549.00	1647
205	ANALYSIS AND DESIGN OF ANALOG INTERGRA.	GRAY	WI	3	639.00	1917

	CIR.5/ED					
206	CMOS MIXED-SIGNAL CIRCUIT DESIGN	BAKER	WI	3	519.00	1557
207	CMOS CIRCUIT DESIGN,LAYOUT AND SIMULATION	JACOB BAKER	WI	3	629.00	1887
208	CMOS ANALOG CIRCUIT DESIGN 3/E	ALLEN	OUP	3	650.00	1950
209	DESIGN OF ANALOG CMOS INTEGRATED CIRCUITS	RAZAVI	TMH	3	635.00	1905
210	ANALOG MOS INTERGRATED CIRCUITS FOR SIGNAL PROCESS	GREGORIAN	WI	3	489.00	1467
211	BIPOLAR AND MOS ANALOG INTEGRATED CIRCUIT DESIGN	GREBENE	JW	3	126.00	378
212	ANALYSIS AND DESIGN OF DIGITAL INTEGRATED CIRCUITS	HODGES	TMH	3	750.00	2250
213	DIGITAL INTEGRATED CIRCUITS	DEMASSA	WI	3	569.00	1707
214	VLSI DESIGN TECHNIQUES FOR ANALOG & DIGITAL CIRCUI	GEIGER	TMH	3	599.00	1797
215	DESIGN OF ANALOG FILTERS	SCHAUMANN	OUP	3	465.00	1395
216	DESIGN OF FEEDBACK CONTROL SYSTEMS	STEFANI	OUP	3	850.00	2550
217	MODERN CONTROL SYSTEMS	DORF / BISHOP	PEA	3	895.00	2685
218	INTRO.TO SWITCHING THEORY & LOGICAL DESIGN 3/ED	HILL	WI	3	499.00	1497
219	PRINCIPLES OF LINEAR SYSTEMS & SIGNALS,2/ED	LATHI	OUP	3	575.00	1725
220	REAL TIME SYSTEMS	RAJIB MALL	PEA	3	499.00	1497
221	REAL TIME SYSTEMS	KRISHNA	TMH	3	540.00	1620
222	INTRODUCTION TO EMBEDDED SYSTEMS	SHIBU	TMH	3	510.00	1530
223	FUNDAMENTALS OF MICROELECTRONICS	RAZAVI	WI	3	639.00	1917
224	FIELD & WAVE ELECTROMAGNETICS 2/ED	CHENG	PEA	3	699.00	2097
225	PULSE DIGITAL AND SWITCHING WAVEFORMS	MILLMAN	TMH	3	599.00	1797
		Total				357362.13

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SNO	TITLE	AUTHOR	PUB	QTY	PRICE	Total
1	PRINCIPLES OF INDUSTRIAL METAL WORKING PROCESSES	ROWE	CBS	3	295.00	885
2	FORGING AND FORMING	DONACHLE	ASM	3	270.00	810
3	SIMULATION MODELING AND ANALYSIS 4/ED	LAW	TMH	3	720.00	2160
4	DISCRETE-EVENT SYSTEM SIMULATION	BANKS / CARSON	PEA	3	525.00	1575
5	PERFORMANCE MODELING OF AUTOMATED MANUF.SYSTEMS	VISWANANDHAM	PHI	3	350.00	1050
6	EXPERIMENTAL STRESS ANALYSIS	SINGH	KP	3	225.00	675
7	THEORY OF ELASTICITY 3/ED	TIMOSHENKO	TMH	3	630.00	1890
8	AUTOMATION,PRODUCTION SYSTEMS & COMPUTER,3/ED	GROOVER	PHI	3	575.00	1725
9	INDUSTRIAL ROBOTICS 2/ED	GROOVER	TMH	3	510.00	1530
10	ROBOTICS CONTROL SENSING VISION AND INTELLIGENCE	FU	TMH	3	615.00	1845
11	ROBOTICS :FUNDAMENTAL CONCEPT AND ANALYSIS	ASHITAVA GHOSAL	OUP	3	415.00	1245
12	ROBOTICS AND CONTROL	MITTAL	TMH	3	585.00	1755
13	INTRODUCTION TO ROBOTICS:MECHANICS & CONTROL,3/ED	CRAIG	PEA	3	615.00	1845
14	STRENGTH OF MATERIALS 3/E	BHAVIKATTI	VIK	3	340.00	1020
15	STRENGTH OF MATERIALS	RAJPUT	SCH	3	850.00	2550
16	STRENGTH OF MATERIALS	KHURMI	SCH	3	695.00	2085
17	ENGINEERING MECHANICS OF SOLIDS	POPOV	PHI	3	525.00	1575
18	STRENGTH OF MATERIALS	JINDAL	PEA	3	450.00	1350
19	ANALYSIS OF STRUCTURES VOL.1	VAZIRANI	KP	3	300.00	900
20	STRENGTH OF MATERIALS (PART.2),3/ED	TIMOSHENKO	CBS	3	300.00	900
21	MECHANICS OF MATERIALS WITH CD	PYTEL	CL	3	399.00	1197
22	MATERIAL SCIENCE AND METALLURGY	KODGIRE	EPH	3	460.00	1380
23	INTRODUCTION TO PHYSICAL METALLURGY,2/ED	AVNER	TMH	3	575.00	1725
24	MATERIAL SCIENCE AND METALLURGY	JINDAL	PEA	3	325.00	975
25	MATERIALS SCIENCE & ENGINEERING 2/ED	RAJPUT	SKK	3	340.00	1020
26	CALLISTER'S MATERIALS SCIENCE AND ENGINEERING	BALASUBRAMANIAM	WI	3	659.00	1977

27	FUNDAMENTALS OF MATERIAL SCIENCE	RAJPUT	SKK	3	225.00	675
28	MECHANICAL BEHAVIOUR OF MATERIALS 2/ED	COURTNEY	TMH	3	670.00	2010
29	MECHANICAL METALLURGY	DIETER	TMH	3	565.00	1695
30	CAD/CAM:CONCEPTS AND APPLICATIONS	ALAVALA	PHI	3	325.00	975
31	MASTERING CAD/CAM (SIE)	ZEID	TMH	3	880.00	2640
32	CAD/CAM:PRINCIPLES & APPLICATIONS,3/ED	RAO	TMH	3	545.00	1635
33	COMPUTER GRAPHICS	ALAVALA	PHI	3	250.00	750
34	PRODUCTION & OPERATIONS MANAGEMENT 3/ED	PANNEERSELVAM	PHI	3	375.00	1125
35	PRODUCTION AND OPERATIONS MANAGEMENT	ASWATHAPPA	HPH	3	460.00	1380
36	OPERATIONS MANAGEMENT	MAHADEVAN	PEA	3	599.00	1797
37	MEMS & MICROSYSTEMS DESIGN & MANUFACTURE	HSU	TMH	3	740.00	2220
38	FOUNDATIONS OF MEMS 2/ED	LIU	PEA	3	625.00	1875
39	AN INTRODUCTION TO MICROELECTROMECHANICAL SYS.ENG	MALUF	AH	3	74.00	222
40	MANUFACTURING ENGINEERING AND TECHNOLOGY,4/ED	KALPAKJIAN	PEA	3	799.00	2397
41	ADVANCED MACHINING PROCESSES	JAIN	APL	3	395.00	1185
42	FOUNDATIONS OF MEMS 2/ED	LIU	PEA	3	625.00	1875
43	PROCESSES AND MATERIALS OF MANUFACTURE 4/ED	LINDBERG	PHI	3	450.00	1350
44	ASM HANDBOOK VOL.21: COMPOSITES		ASM	3	279.00	837
45	ENGINEERING DESIGN 4/ED	DIETER	TMH	3	610.00	1830
46	PRODUCT DESIGN FOR MANFACTRE AND ASSEMBLY 3/ED	BOOTHROYD	CRC	3	795.00	2385
47	BASIC ENGINEERING THERMODYNAMICS	VENKATESH	OLL	3	395.00	1185
48	ELEMETNS OF FRACTURE MECHANICS	PRASHANT KUMAR	TMH	3	435.00	1305
49	INTRODUCTION TO OPTIMUM DESIGN 3/ED	ARORA	ELS	3	625.00	1875
50	OPTIMIZATION FOR ENGINEERING DESIGN	DEB	PHI	3	325.00	975
51	GENETIC ALGORITHMS:IN SEARCH,OPTIMIZATION & MACHIN	GOLDBERG	PEA	3	575.00	1725
52	GENETIC PROGRAMMING	KOZA	SPR	3	109.95	329.85
53	MULTI-OBJECTIVE OPTIMIZATION USING EVOLUTIONARY AL	DEB	WI	3	619.00	1857
54	THERMODYNAMICS (SI UNITS) SIE	CENGEL	TMH	3	680.00	2040
55	FUND.OF HEAT & MASS TRANSFER 4/ED	KUTHANDARMAN	NAI	3	450.00	1350

56	FUNDAMENTALS OF HEAT AND MASS TRANSFER 6/ED	INCROPERA	WI	3	649.00	1947
57	HEAT PIPES(THEORY,DESIGN AND APPLICATIONS)	DAVID REAY	BUT	3	125.00	375
58	THERMAL DESIGN	LEE	JW	3	155.00	465
59	HEAT & MASS TRANSFER (SIE)	CENGEL	TMH	3	665.00	1995
60	LIQUID-VAPOR PHASE CHANGE PHENOMENON	CAREY	T&F	3	87.00	261
61	REFREGIRATION AND AIRCONDITIONING	STOECKER	TMH	3	795.00	2385
62	MECHANICS OF COMPOSITE MATERIALS 2/ED	KAW	CRC	3	595.00	1785
63	MECHANICS OF COMPOSITE MATERIALS,2/ED	JONES	T&F	3	795.00	2385
64	PRINCIPLES OF COMPOSITE MATERIALS MECHANICS 3/ED	GIBSON	CRC	3	73.99	221.97
65	MECHANICS OF COMPOSITE MATERIALS AND STRUCTURES	MUKHOPADHYAY	OLL	3	495.00	1485
66	ENGINEERING MECHANICS OF COMPOSITE MATERIALS,2/ED	DANIEL	OUP	3	625.00	1875
67	MECHANICS OF LAMINATED COMPOSITE PLATES & SHELLS	REDDY	CRC	3	995.00	2985
68	MECHANICAL PROPERTIES OF CERAMICS AND COMPOSITES	RICE	CRC	3	228.00	684
69	ANALYSIS OF COMPOSITE STRUCTURES	DECOLON	YES	3	695.00	2085
70	FUNDAMENTAL PRINCIPALS OF FIBER REINFORCED COMPOSI	ASHBEE	DB	3	3995.00	11985
71	COMPOSITE MATERIALS(SCIENCE AND ENGINEERING 2/ED	CHAWLA.K.	SPR	3	850.00	2550
72	FIBER-REINFORCED COMPOSITIES	MALLICK	STP	3	695.00	2085
73	COMPOSITE MATERIALS ENGINEERING AND SCIENCE	RAWINGS	CRC	3	795.00	2385
74	INTRODUCTION TO COMPOSITE MATERIALS DESIGN,2/ED	BARBERO	YES	3	995.00	2985
75	AN INTRO.TO COMPOSITE MATERIALS 2/ED(SOUTH ASIAN E	HULL	CUP	3	395.00	1185
76	FINITE ELEMENT ANALYSIS OF COMPOSITE MATERIALS	BARBERO	CRC	3	495.00	1485
77	ENGINEERING MATERIALS (MATERIAL SCIENCE)	RANGWALA	CHA	3	175.00	525
78	NANO COMPOSITES	DIWAN	PEN	3	850.00	2550
79	COMPOSITE MATERIALS	SRINIVASAN	NBD	3	190.00	570
80	COMPOSITIES MANUFACTURING MATERIALS PRODUCT & PROC	MAZUMDAR	CRC	3	595.00	1785
81	COMPOSITE MATERIALS: SCIENCE AND APPLICATIONS	CHUNG	SPR	3	895.00	2685
82	FATIGUE IN COMPOSITE	HARRIS	CRC	3	208.82	626.46
83	ANALYSIS AND PERFORMANCE OF FIBER COMPOSITES 3/ED	AGARWAL	WI	3	579.00	1737
84	DESIGN AND ANALYSIS OF ALGORITHMS	PANNERSELVAM	PHI	3	275.00	825

85	DESIGN AND ANALYSIS OF EXPERIMENTS	DEAN	SPR	3	495.00	1485
86	DESIGN AND ANALYSIS OF EXPERIMENTS 2/ED	DAS	NA	3	195.00	585
87	APPLIED DESIGN OF EXPERIMENTAL & TAGUCHI METHODS	SHAHABUDEEN	PHI	3	395.00	1185
88	DESIGN AND ANALYSIS OF EXPERIMENTS 7/ED	MONTGOMERY	WI	3	619.00	1857
89	LINEAR ESTIMATION AND DESIGN OF EXPERIMENTS	JOSHI, D.D.	NA	3	175.00	525
90	AN INTRODUCTION TO DESIGN OF EXPERIMENTS: A SIMPLI	LARRY B. BARREN	NA	3	150.00	450
91	ENGINEERING TRIBOLOGY	SAHOO	PHI	3	250.00	750
92	BEARING DESIGN IN MACHINERY	HARNOY	MD	3	3995.00	11985
93	FUNDAMENTALS OF TRIBOLOGY	BASU ET AL	PHI	3	250.00	750
94	ENGINEERING TRIBOLOGY,3/ED	STACHOWIAK	ELS	3	1195.00	3585
95	INTRO.TO TRIBOLOGY OF BEARINGS	MAJKUMAR	SCH	3	200.00	600
96	NANOTRIBOLOGY CRITICAL ASSESSMENT & RESEARCH NEEDS	HSU	ANE	3	895.00	2685
97	HYDROSTATIC,AEROSTATIC AND HYBRID BEARNING DESIGN	ROWE	ELS	3	140.00	420
98	MECHANICAL FAULT DIAGNOSIS AND CONDITION MONITORIN	COLLACOTT	SPR	3	79.95	239.85
99	FUNDAMENTALS OF FLUID FILM LUBRICANT 2/ED	HAMROCK	CRC	3	82.00	246
100	SHIGLEY'S MECHANICAL ENGINEERING DESIGN	BUDYNAS	TMH	3	750.00	2250
101	THEORY AND DESIGN OF PRESSURE VESSELS	HARVEY	CBS	3	350.00	1050
102	PROCESS EQUIPMENT DESIGN	BROWNWELL	WD	3	429.00	1287
103	THEORY OF PLATES & SHEELS,2/ED	TIMOSHENKO	TMH	3	665.00	1995
104	INTRODUCTION TO ROBOTICS:MECHANICS & CONTROL,3/ED	CRAIG	PEA	3	615.00	1845
105	INDUSTRIAL ROBOTICS 2/ED	GROOVER	TMH	3	510.00	1530
106	ADVANCED MECHANICS OF MATERIALS 6/ED	BORESI	WI	3	549.00	1647
107	THEORY OF ELASTICITY 3/ED	TIMOSHENKO	TMH	3	630.00	1890
108	ADVANCED STRENGTH OF MATERIALS	DENHARTOG	DOV	3	19.95	59.85
109	THEORY OF PLATES & SHEELS,2/ED	TIMOSHENKO	TMH	3	665.00	1995
110	STRENGTH OF MATERIALS	SINGH	SKK	3	350.00	1050
111	STATISTICAL QUALITY CONTROL,7/ED	GRANT	TMH	3	750.00	2250
112	TOTAL QUALITY MANAGEMENT REV. 3.E	BESTERFIELD	PEA	3	610.00	1830
113	FINITE ELEMENT ANALYSIS 2/ED	BHAVIKATTI	NA	3	275.00	825

114	FINITE ELEMENT ANALYSIS:THEORY & PROGRAMMING,2/ED	KRISHNAMOORTHY	TMH	3	605.00	1815
115	FINITE ELEMENT SIMULATION USING ANSYS	ALAWADHI	CRC	3	93.00	279
116	INTRODUCTION TO FINITE ELEMENTS IN ENGINEERNG 3/ED	CHANDRUPATLA	PHI	3	425.00	1275
117	FIRST COURSE IN THE FINITE ELEMENT	LOGAN	CL	3	575.00	1725
118	PRODUCTION DESIGN & DEVELOPMENT,4/ED	ULRICH	TMH	3	620.00	1860
119	METAL CUTTING PRINCIPLES 2/ED	SHAW	OUP	3	575.00	1725
120	FUNDAMENTALS OF MACHINING AND MACHINE TOOLS 3/ED	BOOTHROYD	CRC	3	795.00	2385
121	ENGINEERING OPTIMIZATION:THEORY AND PRACTICE 4/ED	RAO	WIE	3	1295.00	3885
122	OPTIMIZATION FOR ENGINEERING DESIGN	DEB	PHI	3	325.00	975
123	THEORY OF MECHANISMS AND MACHINES 3/E	GHOSH	EWP	3	395.00	1185
124	KINEMATICS AND DYNAMICS OF MACHI	NORTON	TMH	3	820.00	2460
125	NUMERICAL METHODS FOR ENGINEERING 5/ED	CHAPRA	TMH	3	640.00	1920
126	APPLIED NUMERICAL ANALYSIS,7/ED	GERALD	PEA	3	645.00	1935
127	MALEEV AND HARTMANS MACHINE DESIGN 5/ED	GROVER	CBS	3	295.00	885
128	ULTRANSONIC TESTING OF MATERIALS	KRAUTKRAMER	SPR	3	995.00	2985
129	THEORY OF VIBRATIONS WITH APPLICATIONS,5/ED	THOMSON	PEA	3	550.00	1650
130	MECHANICAL VIBRATIONS	KELLY	TMH	3	580.00	1740
131	PLASTICITY FOR STRUCTURAL ENGINEERING	CHEN	SPR	3	79.95	239.85
132	ELEMENTS OF WORKSHOP TECHNOLOGY. VOL. 1	CHOUDHURY	MPP	3	260.00	780
133	A COURSE IN WORKSHOP TECHNOLOGY VOL.1	RAGHUWANSHI	DR	5	210.00	1050
134	MACHINE TOOLS	KESAVAN	LP	3	350.00	1050
					TOTAL	220696.8

Department of Computer science Engineering

S.no	TITLE	AUTHOR	PUB	QTY	PRICE	AMOUNT
1	APPLICATION SOFTWARE REENGINEERING	ALAM	PEA	3	450.00	1350.00
2	NATURAL LANGUAGE UNDERSTANDING,2/ED	ALLEN	PEA	3	599.00	1797.00
3	CORE J2EE PATTERNS 2/ED	ALUR	PEA	3	699.00	2097.00
4	UML 2 AND THE UNIFIED PROCESS	ARLOW	PEA	3	675.00	2025.00
5	SOFTWARE ARCHITECTURE IN PRACTICE 3/ED	BASS		3	699.00	2097.00
6	LINUX KERNEL PROGRAMMING 3/ED	BECK	PEA	3	625.00	1875.00
7	SYSTEM SOFTWARE:AN INTRO.TO SYSTEMS PROGRA. 3/ED	BECK	PEA	3	599.00	1797.00
8	MULTILINGUAL NATURAL LANAGUAGE	BIKEL	PEA	3	599.00	1797.00
9	EFFECTIVE JAVA 2/E	BLOCH	PEA	3	699.00	2097.00
10	OBJECT ORIENTED SOFTWARE ENGINEERING:UML&JAVA 2/ED	BRUEGGE	PEA	3	750.00	2250.00
11	SOFTWARE DESIGN,2/ED	BUDGEN	PEA	3	499.00	1497.00
12	DEVELOPING ENTERPRISE WEB SERVICES:AN ARCHITECT'S	CHATTERJEE	PEA	3	575.00	1725.00
13	CORE PYTHON APPLICATIONS PROGRAMMING 3/ED	CHUN	PEA	3	599.00	1797.00
14	NETWORK SECURITY ARCHITECURES	CONVERY	PEA	3	775.00	2325.00
15	XML,WEB SERVICES AND THE DATA REVOLUTION	COYLE	PEA	3	550.00	1650.00

16	XML 1/E	DEITEL	PEA	3	999.00	2997.00
17	JAVASCRIPT FOR PROGRAMMERS	DEITEL	PEA	3	499.00	1497.00
18	ESSENTIAL GUIDE TO TELECOMMUNICATION	DODD	PEA	3	575.00	1725.00
19	REAL TIME UML 3/ED	DOUGLASS	PEA	3	750.00	2250.00
20	COMPUTER SECURITY FUNDAMENTALS	EASTTOM	PEA	3	375.00	1125.00
21	THINKING IN C++ VOL-1 INTR.TO STANDARD C++,2/ED	ECKEL	PEA	3	725.00	2175.00
22	THINKING IN C++ VOL.1:PRACTICAL PROGRAMMING	ECKEL	PEA	3	725.00	2175.00
23	THINKING IN JAVA	ECKEL	PEA	3	775.00	2325.00
24	SERVICE ORIENTED ARCHITECTURE	ERL	PEA	3	675.00	2025.00
25	SOA PRINCIPLES OF SERVICE DESIGN	ERI	PEA	3	799.00	2397.00
26	ARM SYSTEM ON CHIP ARCHITECTURE 2/ED	FURBER	PEA	3	525.00	1575.00
27	QUALITY SOFTWARE PROJECT MANAGEMENT	FUTRELL	PEA	3	950.00	2850.00
28	STARTING OUT WITH C++	GADDIS	PEA	3	899.00	2697.00
29	STARTING OUT WITH PROGRAMMING LOGIC AND	GADDIS	PEA	3	625.00	1875.00
30	SPECIFICATION DESIGN OF EMBEDDED SYSTEMS	GAJSKI	PEA	3	550.00	1650.00
31	SOFTWARE QUALITY ASSURANCE 1/E	GALIN	PEA	3	675.00	2025.00

32	DESIGN PATTERNS:ELEMENTS OF REUSABLE OBJECT-ORITEN	GAMMA	PEA	3	550.00	1650.00
33	CORE JAVASERVER FACES	GEARY	PEA	3	675.00	2025.00
34	JAVA CONCURRENCY IN PRACTICE	GOETZ	PEA	3	550.00	1650.00
35	INTRODUCTION TO PARALLEL COMPUTING ,2/ED	GRAMA	PEA	3	615.00	1845.00
36	CORE SERVLETS AND JAVA SERVER PAGES VOL.2:	HALL	PEA	3	700.00	2100.00
37	CORE SERVELTS & JAVA SERVER PAGES VOLUME -1 2/ED	HALL	PEA	3	700.00	2100.00
38	CORE WEB PROGRAMMING,2/ED	HALL	PEA	3	999.00	2997.00
39	EMBEDDED LINUX PRIMER	CHRISTOPHER	PEA	3	650.00	1950.00
40	SOA USING JAVA WEB SERVICES	HANSEN	PEA	3	599.00	1797.00
41	MULTIRATE SIGNAL PROCESSING	HARRIS	PEA	3	575.00	1725.00
42	ADAPTIVE FILTER THEORY 4/ED	HAYKIN	PEA	3	750.00	2250.00
43	SOFTWARE PROJECT MANAGEMENT	HENRY	PEA	3	675.00	2025.00
44	COMPUTER SYSTEMS DESIGN & ARCHITECTURE,2/ED	HEURING	PEP	3	599.00	1797.00
45	CORE JAVA VOL 1-FUNDAMENTALS,8/ED	HORSTMANN	PEA	3	810.00	2430.00
46	CORE JAVA VOL.II- ADVANCED FEATURES 8/ED	HORSTSMANN	PEA	3	810.00	2430.00
47	A DISCIPLINE FOR SOFTWARE ENGINEERING	HUMPHREY	PEA	3	725.00	2175.00

48	MANAGING THE SOFTWARE PROCESS	HUMPHREY	PEA	3	599.00	1797.00
49	THE PRAGMATIC PROGRAMMER 1/E	HUNT	PEA	3	450.00	1350.00
50	OBJECT ORIENTED SOFTWARE ENGINEERING	JACOBSON	PEA	3	675.00	2025.00
51	THE UNIFIED SOFTWARE DEVELOPING PROCESS	JACOBSON	PEA	3	699.00	2097.00
52	SOFTWARE PROJECT MANAGEMENT IN PRACTICE	JALOTE	PEA	3	350.00	1050.00
53	MULTIMEDIA IN PRACTICE	JEFFCOATE	PEA	3	450.00	1350.00
54	GRID COMPUTING	JOSEPH	PEA	3	450.00	1350.00
55	PRINCIPLES OF COMPUTER ORGANIZATION	JUOLA	PEA	3	499.00	1497.00
56	SPEECH & LANGUAGE PROCESSING	JURAFSKY	PEA	3	899.00	2697.00
57	FUNDAMENTALS OF SIGNALS AND SYSTEMS USIN	KAMEN	PEA	3	699.00	2097.00
58	METRICS & MODELS IN SOFTWARE QUALITY ENGINEE.2/ED	KAN	PEA	3	550.00	1650.00
59	FUNDAMENTALS OF STATISTICAL SIGNAL PROCESSING V-1	KAY	PEA	3	750.00	2250.00
60	FUNDAMENTALS OF STATISTICAL SIGNAL PROCESSING V-2	KAY	PEA	3	750.00	2250.00
61	SOFTWARE TESTING:TECHNIQUES AND APPLICATION	KUMAR	PEA	3	399.00	1197.00

62	THE ART OF COMPUTER PROGRAMMING:FUN.ALRO.V.1,3/ED	KNUTH	PEA	3	650.00	1950.00
63	ART OF COMPUTER PROGRAMMING VOL.2	KNUTH		3	650.00	1950.00
64	THE ART OF COMPUTER PROGRAMMING VOL-3	KNUTH	PEA	3	650.00	1950.00
65	THE ART OF COMPUTER PROGRAMMING, VOLUME	KNUTH	PEA	3	725.00	2175.00
66	DATA STRUCTURES & ALGORITHMS IN JAVA,2/ED	LAFORE	PEA	3	599.00	1797.00
67	OBJECT ORIENTED PROGRAMMING C++,4/ED	LAFORE	PEA	3	625.00	1875.00
68	APPLYING UML & PATTERNS 3/ED	LARMAN	PEA	3	550.00	1650.00
69	PRACTICES FOR SCALING LEAN & AGILE DEVELOPMENT	LARMAN	PEA	3	850.00	2550.00
70	MANAGING SOFTWARE REQUIREMENTS,2/ED	LEFFINGWELL	PEA	3	599.00	1797.00
71	INTRODUCTION TO JAVA PROGRAMMING	LIANG	PEA	3	899.00	2697.00
72	ERROR CONTROL CODING 2/ED	LIN	PEA	3	875.00	2625.00
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74	C++PRIMER 5/ED	LIPPMAN	PEA	3	595.00	1785.00
75	DISTRIBUTED COMPUTING:PRINCIPLES & APPLICATIONS	LIU	PEA	3	550.00	1650.00
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77	LINUX KERNEL DEVELOPMENT	LOVE	PEA	3	550.00	1650.00
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80	MODERN CRYPTOGRAPHY THEORY & PRACTICE	MAO	PEA	3	725.00	2175.00
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82	UML FOR JAVA PROGRAMMERS	MARTIN	PEA	3	475.00	1425.00
83	DESIGN PATTERNS IN JAVA,2/ED	METSKER	PEA	3	550.00	1650.00
84	EFFECTIVE C++ 3.ED	MEYERS	PEA	3	650.00	1950.00
85	MORE EFFECTIVE C++	MEYERS	PEA	3	475.00	1425.00
86	CLOUD COMPUTING	MILLER	PEA	3	450.00	1350.00
87	INTRO TO XML & WEB TECHNOLOGIES	MOLIER	PEA	3	715.00	2145.00
88	UPGRADING AND REPAIRING PC'S 20EDITION	MUELLER	PEA	3	935.00	2805.00
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90	AD HOC WIRELES NETWORKS ARCHI.AND PROTOCOLS 2/ED	MURTHY	PEA	3	725.00	2175.00
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93	TCL AND THE TK TOOLKIT 2/ED	QUSTERHOUT	PEA	3	1050.00	3150.00
94	TOP-DOWN NETWORK DESIGN 3/E	OPPENHEIMER	PEA	3	525.00	1575.00

95	C++ WITHOUT FEAR:A BEGINNERS	OVERLAND	PEA	3	575.00	1725.00
96	FUNDAMENTALS OF OBJECT- ORIENTED DESIGN IN UML	PAGE JONES	PEA	3	525.00	1575.00
97	SOFTWARE TESTING 2/ED	PATTON	PEA	3	499.00	1497.00
98	JAVA SERVER PAGES:COVERS JSP 2.0 2/ED	PEKOWSKY	PEA	3	550.00	1650.00
99	AD HOC NETWORKING	PERKINS	PEA	3	375.00	1125.00
100	EMBEDDED C	PONT	PEA	3	550.00	1650.00
101	DIGITAL PROCESSING OF SPEECH SIGNALS	RABINER	PEA	3	625.00	1875.00
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105	ADV PROG IN THE UNIX ENVIRONMENT	STEVENS	PEA	3	699.00	2097.00
106	C++ PROGRAMMING LANGUAGE 3/ED	STROUSTRUP	PEA	3	775.00	2325.00
107	DESIGN PATTENS EXPLAINED,2/ED	SHALLOWAY	PEA	3	499.00	1497.00
108	COMPONENT SOFTWARE:BEYOND OBJECT-ORI.PROGRA.2/ED	SZYPERSKI	PEA	3	499.00	1497.00
109	AD HOC MOBILE WIRELESS NETWORKS PROTOCOLS & SYSTEM	TOH	PEA	3	425.00	1275.00
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111	PARALLEL PROGRAMMING,2/ED	WILKINSON	PEA	3	650.00	1950.00

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113	ENTERPRISE J2ME:DEV MOBILE JAVA APP	YUAN	PEA	3	599.00	1797.00
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116	TEXT MINING WITH MATLAB@	BANCHS	SPR	3	8460.05	25380.135
117	TEXT MINING:APPLICATION AND THEORY	BERRY	JW	3	6555.39	19666.155
118	MACHINE LEARNING AND DATA MINING METHODS AND APPLI	MICHALSKI	JW	3	10220.49	30661.455
119	MACHINE LEARNING AND DATA MINING FOR COMPUTER SECU	MARCUS	SPR	3	11582.11	34746.327
120	DATA MINING AND KNOWLEDGE DISCOVER VIA LOGIC BASED	EVANGELOES	SPR	3	13364.11	40092.327
121	UNDERSTANDING NEURAL NETWORKDS AND FUZZY LOGIC BAS	KARTALOPAULOS	JW	3	6683.99	20051.955
122	OPERATING SYSTEM CONCEPTS 8/ED	SILBERSCHATZ	WI	3	549.00	1647
123	CLOUD APPLICATION ARCHITECTURES	REESE	SPD	3	300.00	900
124	PROGRAMMING GOOGLE APP ENGINE BUILD AND RUN SCALAB	SANDERSON	SPD	3	800.00	2400
125	REAL-TIME SYSTEMS:SCHEDULING,ANALYSIS AND VERIFICA	CHENG	WI	3	549.00	1647
126	REAL TIME SYSTEMS DESIGN PRINCIPLES FOR DISTRIBUTE	KOPETZ	SPR	3	550.00	1650

127	MULTIHOP WIRELESS NETWORKS:OPPORTUNISTIC ROUTING	LI	JW	3	8037.50	24112.5
128	DATA STRUCTURES & ALGORITHM ANALYSIS IN C 2/ED	WEISS	PEA	3	599.00	1797
	Total					451318.99

General Books for library

S.no	TITLE	PUB	QTY	Unit Price	Total price
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3	STUDY GUIDE UPSC IAS GENERAL STUDIES PAPER-I	GKP	3	590.00	1770
4	ENGLISH REVIEW FOR THE UPSC IAS CSAT PAPER II	GKP	3	390.00	1170
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6	WORD GROUPS WITH SIMILAR MEANINGS	GKP	3	120.00	360
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9	WORDLISTS AND VOCABULARY	GKP	3	120.00	360
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16	IMPROVE YOUR VOCABULARY 4551 WORDS	GKP	3	140.00	420
17	QUANTITATIVE APTITUDE FOR COMPLETITIVE EXAMI	GKP	3	590.00	1770
18	QUANTITATIVE APTITUDE PRACTICE WORKBOOK	GKP	3	720.00	2160
19	GENERAL APTITUDE (QUANTITATIVE APTITUDE AND REASON	GKP	3	590.00	1770
20	REASONING (FOR COMPETITIVE EXAMINATIONS)	GKP	3	480.00	1440

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26	GENERAL KNOWLEDGE 2013	GKP	3	50.00	150
27	GENERAL SCIENCE	GKP	3	190.00	570
28	UGC/NET/SLET COMPUTER SCIENCE & APPLI	GKP	3	1190.00	3570
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30	UGC-CSIR JRF/NET PHYSICAL SCIENCE(PHYSICS)	GKP	3	840.00	2520
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32	CSIR UGC JRF/LS(NET)SCIENTIFIC AND COMPUTER APITUD	GKP	3	590.00	1770
33	GATE GUIDE ELECTRONICS ENGINEERING	GKP	3	1500.00	4500
34	GATE GUIDE ELECTRICAL ENGINEERING	GKP	3	1500.00	4500
35	GATE GUIDE COMPUTER/INFORMATION ENGINEERING	GKP	3	1500.00	4500
36	GATE GUIDE MECHANICAL ENGINEERING	GKP	3	1500.00	4500
37	GATE PAPER COMPUTER SCIENCE/INFORMATION TECHNOLOGY	GKP	3	700.00	2100
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41	GATE:Q.B.MACHANICAL	GKP	3	1000.00	3000
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43	MECHANICAL OBJECTIVES	GKP	3	1080.00	3240
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61	GATE-MECHANICAL Engg.	HARIANTH	3	795.00	2385
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65	GATE-MECHANICAL Engg.	MADE EASY	3	695.00	2085
66	GATE-COMPUTER SCIENCE Engg.	MADE EASY	3	695.00	2085
67	GATE-ELECTRICAL & ELECTRONIC Engg.	KANODIA	3	2700.00	8100
68	GATE-ELECTRONIC & COMMUNICATION Engg.	KANODIA	3	2300.00	6900
69	GATE-MECHANICAL Engg.	KANODIA	3	2400.00	7200
70	ELECTRICAL ENGINEERING DICTIONARY		3	200.00	600
71	ELECTRONICS & COMMUNICATIONS ENGINEERING DICTIONARY		3	300.00	900
72	MECHANICAL ENGINEERING DICTIONARY		3	400.00	1200
73	COMPUTER SCIENCE ENGINEERING DICTIONARY		3	400.00	1200
				Total	156060

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SNO	TITLE	AUTHOR	PUB	QTY	PRICE	Amount
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4	GATE OBJ QUESTION BANK-EEE	TIME	PEA	3	325.00	975.00
5	A COMPLETE GUIDE TO THE GATE CSE	TIME	PEA	3	899.00	2697.00
6	A COMPLETE GUIDE TO THE GATE EEE	TIME	PEA	3	899.00	2697.00
7	A COMPLETE GUIDE TO THE GATE ECE	TIME	PEA	3	899.00	2697.00
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					Total	**24324.00**

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6	S. Chand's General English for Competitions	A N Kapoor	S.Chand & Company Pvt. Limited	1	300
7	A Modern Approach to Non Verbal Reasoning	R S Aggarwal	S.Chand & Company Pvt. Limited	1	300
8	Resumes And Interviews	Rizvi	McGraw-Hill Education	1	265
9	How to Prepare for GD & Interview (CD)	Hari Mohan Prasad, Rajnish Mohan	McGraw-Hill Education	1	260
10	How To Succeed At Interviews	Andrews	McGraw-Hill Education	1	210
11	Studying Abroad, All You Wanted to Know	Warrier	McGraw-Hill Education	1	200
12	Placement Interviews: Skills for Success	Anandamurugan	McGraw-Hill Education	1	355
13	How to Prepare for Verbal Ability and Reading Comprehension for CAT	Arun Sharma,Meenashi Upadhyay	McGraw-Hill Education	1	675

14	How to Prepare for Data Interpretation for CAT	Arun Sharma	McGraw-Hill Education	1	585
15	How to Prepare for Quantitative Aptitude for CAT	Arun Sharma	McGraw-Hill Education	1	675
16	Aptimithra	ETHNUS	McGraw-Hill Education	1	525
17	Quantitative Aptitude for Competitive Examination	Abhijit Guha	McGraw-Hill Education	1	550
18	I'm Not Afraid of GDPI: Group Discussion and Personal Interview	Tuhina Anukul Varshney	Pearson Education	1	199
19	GRE The Official Guide to the Revised General Test with CD-ROM, Second Edition	ETS	McGraw-Hill Education	1	685
20	The Pearson Guide to Quantitative Aptitude and Data Interpretation for the CAT	Nishit K Sinha	Pearson Education	1	650
21	The Pearson Guide to Verbal Ability and Logical Reasoning for the CAT	Nishit K Sinha	Pearson Education	1	650
22	The Pearson Complete Guide to the CAT	Nishit K Sinha	Pearson Education	1	799
23	Number System for the CAT	Nishit K Sinha	Pearson Education	1	250
24	The Pearson Guide to Logical Reasoning and Data Interpretation for the CAT and other MBA Entrance Examinations	Nishit K Sinha	Pearson Education	1	425
25	Data Interpretation: Practice Book for the CAT and Other MBA Entrance Examinations	Nishit K Sinha	Pearson Education	1	200
26	The Pearson Complete Guide to the Cat, 3e (With	Nishit K Sinha	Pearson Education	1	799

	CD)				
27	The Pearson Guide to Quantitative Aptitude and Data Interpretation for the CAT, 2e (with CD)	Nishit K Sinha	Pearson Education	1	799
28	The Pearson Guide to Verbal Ability and Logical Reasoning for the CAT, 2e (with CD)	Nishit K Sinha	Pearson Education	1	599
29	Reading Comprehension for the CAT: A Winning Approach by an IIM Alumnus	Sidharth Balakrishna	Pearson Education	1	158
30	Introduction to the CAT: Tips From an IIM Alumunus, 4/e	Sidharth Balakrishna	Pearson Education	1	275
31	Vocabulary Booster for the CAT: A Winning Approach by an IIM Alumunus	Sidharth Balakrishna	Pearson Education	1	199
32	Reading Comprehension for the CAT	Sujit Kumar	Pearson Education	1	299
33	Verbal Ability for the CAT	Sujit Kumar	Pearson Education	1	210
34	The Pearson Guide to Verbal Ability for the CAT and Other MBA Entrance Examinations	Sujit Kumar	Pearson Education	1	415
35	Algebra for the CAT and Other MBA Examinations	T.I.M.E	Pearson Education	1	225
36	Arithmetic for the CAT and Other MBA Examinations	T.I.M.E	Pearson Education	1	225
37	Trishna's Verbal Ability and Logical Reasoning for the CAT and Other MBA Examinations	T.I.M.E	Pearson Education	1	650
38	General English For Competitive Examinations	A. P. Bhardwaj	Pearson Education	1	399

39	The Pearson Guide to Quantitative Aptitude for Competitive Examinations	Dinesh Khattar	Pearson Education	1	675
40	Objective English	Edgar Thorpe	Pearson Education	1	428
41	English for Competitive Examinations	Showick Thorpe	Pearson Education	1	215
42	Quantitative Aptitude for Competitive Examinations	Trishna Knowledge Systems	Pearson Education	1	650
43	Puzzles To Puzzle To You (English) 1st Edition	Shakuntala Devi	ORIENT PAPERBACKS-DELHI	1	86
44	Puzzles To Puzzle To You (English) 1st Edition	Shakuntala Devi	ORIENT PAPERBACKS-DELHI	1	86
45	THE BOOKS OF NUMBERS (English) 11th Edition	Shakuntala Devi	ORIENT PAPERBACKS-DELHI	1	110
46	Group Discussion (English) 21st Edition	Karan Deo	Ramesh Publishing House	1	110
47	How to Crack Test of Reasoning In All Competitive Exam {PB} (English)	Jaikishan	Arihant Publications(I) Pvt.Ltd - Meerut	1	185
		Total			93845

GOVERNMENT OF ANDHRA PRADESH
A B S T R A C T

TECHNICAL EDUCATION - Private Engineering Colleges - Starting of Engineering College by Ratakonda Ranga Reddy Educational Academy, Kamma Street, Madanapalle, Chittoor District, during the academic year 1998 99 - Permission accorded - Orders - Issued.

EDUCATION (EC.II) DEPARTMENT

G.O.Ms.No.298 Dated:26 08 1998
Read the following:

1. From the AICTE, New Delhi Letter No.730 50 266(E)/ ET/98, dt:25 6 98.
2. From the Commissioner of Technical Education, Hyderabad Lr.No.E2/32422/97, dt:21 8 98.

ORDER:

The All India Council for Technical Education, New Delhi in its letter read above, on the basis of the consultation with the State Government and the affiliating University and on the recommendations of the Regional Committee and the Expert Committee constituted by them, has accorded approval to Ratakonda Ranga Reddy Educational Academy, Kamma Street, Madanapalle, Chittoor district for establishment of Madanapalli Institute of Tech. & Sciences, Rishivalley cross, Kadiri Road, Kurabalakota mandal, Madanapalli Taluk, Chittoor District with the following disciplines and intake for the Academic year 1998 99:

Name of the Course	Approved Intake	Duration of the course
Computer Science & Engg.	40	4 years
Electronics & Communication Engg.	40	4 years
Electrical & Electronics Engg.	40	4 years
Mechanical Engg.	60	4 years
Total	180	

2. Having regard to the approval of the All India Council for Technical Education, New Delhi under section 20 of the Andhra Pradesh Education Act, 1982 (A.P.Act I of 1982), the Government hereby accord permission for establishment of the Engineering College with the disciplines and intake shown in para 1 above, for the academic year 1998 99 by the Management of Ratakonda Ranga Reddy Educational Academy, Kamma Street, Madanapalli, Chittoor district.

3. The above permission has been accorded subject to fulfillment of norms and standards stipulated by the All India Council for Technical Education.

4. This permissioon is also subject to the production of a certificate from the MRO/other competent authority i.e.R&B Deptt./Municipality etc. to the effect that the permanent location of the Institution is within 5 Kms. from the limits of the Divisional Headquarters/Town and the institution should complete the change of location specified above within one year as undertaken.

5. This permission accorded herein is also subject to the condition that the Institution shall abide by the rules and regulations issued by the Government from time to time in respect of the functioning of the College. In case of any deviation in fulfilling the norms and standards stipulated by the AICTE and or failure in implementing the rules and regulations of the State Govt. issued from time to time, the permission sanctioned now is liable for cancellation without any notice.

6. The Management of the College shall seek affiliation from the Jawaharlal Nehru Technological University, Hyderabad.

(BY ORDER AND IN THE NAME OF THE GOVERNMENT OF ANDHRA PRADESH)

D.R.GARG
SECRETARY TO GOVERNMENT (FAC)

To
The Commissioner, Technical Education,AP.,Hyd.
The Secretary, AP State Council of Higher Edn., AP., Hyderabad.
The Registrar, JNTU.,Hyderabad.
The Secretary & Correspondent, Ratakonda Ranga Reddy Educational Academy, 10 314, Kamma Street,,Madanapalli, Chittoor District.
The Convenor, EAMCET 98, O/o JNTU.,Hyderabad.
The AICTE.,IC Sports Complex, IP Estate,New Delhi
The S.R.O.,AICTE., 26 Haddows Road, Mungambakam, Chennai 6.
Copy to DS to Chief Minister.
Copy to PS to Minister(Tech.Education)
SF/SC

//FORWARDED::BY ORDER//

SECTION OFFICER

GOVERNMENT OF ANDHRA PRADESH

OFFICE OF THE
COMMISSIONER OF TECHNICAL EDUCATION,
ANDHRA PRADESH :: HYDERABAD.

Endt. No.E2/32422/97. Dated: 27-8-1998.

G.O. Ms. No.298, Education (EC.II) Department, dated 26-8-1998 is communicated.

Sd/RAJIV SHARMA
COMMISSIONER.

To
The Secretary & Correspondent,
Ratakonda Ranga Reddy Educational Academy,
10-314, Kamma Street, Madanapalli, Chittoor Dist.

Ph:08554-272433 Fax:08554-272437
Mobile: 9908088806
Email:registrar@jntua.ac.in

PROCEEDINGS OF THE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

(Established by Govt. of A.P., ACT No.30 of 2008)

ANANTAPUR – 515 002 (A.P) INDIA

PRESENT: Prof. K. HEMACHANDRA REDDY, Registrar

Procs.No.DAPO/A2/MITS-Autonomy/2014 **Date:08/07/2014**

Sub:- JNTUA, Anantapur – Academic & Planning – Conferment of fresh Autonomous Status to **"Madanapalle Institute of Technology & Science, P.B. No.14, Angallu, Madanapalle, Chittoor Dist."** for a period of six years from the academic years 2014-2015 to 2019-2020 - Orders Issued.

Read:- 1. Lr.No.F.22-1/2014(AC), dated:19-06-2014 of the Joint Secretary, UGC, New Delhi.
2. Govt. Act.No.30 of 2008, dated:18-08-2008.
3. Letters to Registrars by the Secretary, APSCHE, Hyderabad, dated:28-04-2010.
4. University Order No.67/2011, dated:03-02-2011.

***

ORDER:

In pursuance of the instructions issued by UGC in its letter (1) read above, the Vice-Chancellor, JNTU Anantapur is pleased to confer the status of autonomy to Madanapalle Institute of Technology & Science, P.B. No.14, Angallu, Madanapalle, Chittoor Dist. subject to the following terms and conditions and such other conditions as may be imposed by the Monitoring & Development Committee or Equivalent Body from time to time.

1. The College is conferred the status of autonomy for a period of six years, in the first instance, commencing from the academic year 2014-15 (2014-15 to 2019-2020), subject to satisfactory reports of external assessment committee at the end of the fourth year.

Autonomy granted to the Institution is institutional and covers all the courses at UG, PG level which are being run by the Institution at the time of conferment of autonomous status. Also all courses introduced by the institution after the conferment of autonomous status shall automatically come under the purview of autonomy.

(Starting of UG courses (which are not instituted in the University) shall be with the prior approval of the University since the Degree / certificates are to be issued under the seal of the University. However, for starting a new Diploma / Certificate / Degree etc., courses that are instituted by the Univeristy, the Autonomous college should obtain the recognition / affiliation of the University by sending the proposals complete in all respects at least six months in advance for obtaining the prior approval of the University before the commencement of such courses).

The college shall have autonomy in the matter of

i) Framing syllabus / course content adopting the Universities general pattern.
ii) Arranging for instruction to students.
iii) Devising methods of evaluation, examinations, and tests pertaining to the award of the degree by the University.

Contd..2

The college shall have power to make rules or bye-laws, not inconsistent with the JNT University Anantapur Act, for the purpose of securing the objectives of the status of autonomy granted to the college.

2. The College shall set up the following statutory bodies:
   The College shall have the following committees to ensure proper management of academic, financial and general administrative affairs.
   a) Governing Body
   b) Academic Council
   c) Board of Studies
   d) Finance Committee

a) **Governing Body**:

The constitution of this body shall be according to the structure given below:

Number	Category	Nature
5 members	Management	Trust or management as per the constitution or bye-laws, with the chairman or president / director as the chairperson
2 members	Teachers of the college	Nominated by the Principal based on seniority
1 member	Educationist or industrialist	Nominated by the management
1 member	UGC nominee	Nominated by the UGC
1 member	State government nominee	Academician not below the rank of professor or state government official of Directorate of Higher Education / State Council of Higher education
1 member	University nominee	Nominated by the University
1 member	Principal of the college	Ex-officio

b) **Academic Council**:

The Academic Council shall be solely responsible for all academic matters, such as, framing of academic policy, approval of courses, regulations and syllabi, etc. The council shall involve faculty at all levels and also experts from outside, including representatives of the University and the government. The decisions taken by the Academic Council shall not be subject to any further ratification by the Academic Council or other statutory bodies of the University. The composition and functions of the academic council are given below:

1. The Principal (Chairman)
2. All the Heads of Department in the college.
3. Four teachers of the college representing different categories of teaching staff by rotation on the basis of seniority of service in the college.
4. Not less than four experts from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering etc. to be nominated by the Governing body.
5. Three nominees of the University.
6. A faculty member nominated by the Principal (member secretary).

Contd..3

Terms of Members:
The term of the nominated members shall be two years.
Meetings:
The Principal shall convene a meeting of the Academic Council at least once a year.
Functions:

Without prejudice to the generality of functions mentioned, the Academic Council shall have powers to:

a) Scrutinise and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, Curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it will have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
b) Make regulations regarding the admission of students to different programmes of study in the college.
c) Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the play grounds and hostels.
d) Recommend to the Governing Body, proposals for institution of new programmes of study.
e) Recommend to the Governing Body, institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.
f) Advise the Governing Body on suggestions(s) pertaining to academic affairs made by it.
g) Perform such other functions as may be assigned by the governing body.

c) **Board of Studies**:

The Board of Studies is the basic constituent of the academic system of an autonomous college. Its functions shall include framing the syllabi for various courses, reviewing and updating syllabi from time to time, introducing new courses of study, determining details of continuous assessment, recommending panels of examiners under the semester system etc. The composition and functions of the Board of Studies are given below:

1. Head of the Department concerned (Chairman).
2. The entire faculty of each specialization.
3. Two experts in the subject from outside the college to be nominated by the Academic Council.
4. One expert to be nominated by the Vice-Chancellor from a panel of six recommended by the college principal.
5. One representative from industry / corporate sector / allied area relating to placement.
6. One post graduate meritorious alumnus to be nominated by the Principal. The Chariman, Board of studies, may with the approval of the Principal of the college, co-opt:
   a) Experts from outside the college whenever special courses of studies are to be formulated.
   b) Other members of staff of the same faculty.

The Chairman, Board of Studies, may, with the approval of the Principal of the College.

a) Co-opt experts from outside the College whenever special courses of studies are to be formulated.
b) Co-opt other members of staff of the same faculty.

Contd..4

Term:
The term of the nominated members shall be two years.

Meetings:
The Principal of the college shall draw the schedule for meeting of the Board of Studies for different Departments. The meeting may be scheduled as and when necessary, but at least once a year.

Functions:
The Board of Studies of a Department in the college shall:

a) prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and National requirement for consideration and approval of the Academic Council;
b) suggest methodologies for innovative teaching and evaluation techniques;
c) suggest panel of names to the Academic Council for appointment of examiners; and
d) coordinate research, teaching, extension and other academic activities in the Department / college.

d) **Finance Committee**:
The Finance Committee shall advise the Governing Body on financial matters and shall meet at least twice a year. The constitution and functions of the Finance committee are given below:

Composition:

a) The Principal (Chairman).
b) One person to be nominated by the Governing Body of the college for a period of two years.
c) One senior-most teacher of the college to be nominated in rotation by the Principal for two years. The Finance Committee will be an advisory body to the Governing Body, and will meet at least twice a year to consider:
   i) Budget estimates relating to the grant received / receivable from UGC, and income from fees etc., collected for the activities to undertake the scheme of autonomy and
   ii) Audited accounts for the above.

3. The College shall also set up other Committees viz.,
a) Grievance Redressal Committee b) Planning and Evaluation Committee c) Examination Committee d) Admission Committee e) Studies, Welfare & Extra-Curricular Activities Committee f) Library Committee and g) Anti-Ragging Committee and function as per the "**Revised Guidelines on the scheme of Autonomous Colleges of the University Grants Commission**".

4. Admission of students to courses of studies offered by the Autonomous College shall conform to guidelines stipulated by the University and the State Government from time to time. It is a State policy [ref.(3)] that admissions into all professional courses including MBA, MCA in all Universities and colleges in the State are made through Common Entrance test by a State level body. The fee structure for all professional courses is regulated by AFRC (Admission and Fee Regulatory Committee), a body constituted by the Government of Andhra Pradesh as per the directions of the Supreme Court. This policy of Admissions and Fee structure for professional courses is therefore applicable to all autonomous colleges as well.

Contd..5

5. The University shall have power to confer degrees, titles, diplomas and other academic dictinctions on persons who shall have pursued an approved course of study in an Autonomous College.

6. The Monitoring & Development Committee / Executive Council of the University shall have power to revoke the autonomy conferred at any time after giving due notice of such intention to the college before the expiry of the period mentioned in 1 above, in case of deteriorating or declining standards or for any other cause deemed fit by the University.

7. The Autonomous Colleges shall pay 75% of the total affiliation fee calculated for six years (period of autonomy) for the intake at the time of sanctioning autonomy, as one time affiliation fees.

8. The Autonomous College shall continue to pay Additional Affiliation Fees, University Development Fees, University Tournament Fees, Inspection fees if any and such other fees as the University may deem fit to impose on the college time to time.

9. Notwithstanding the conferment of the autonomous status, all provisions of the Act, the Statutes, the Ordinances and the Regulations of the University shall be applicable to the college except those relating to matters specified in these terms and conditions. The University shall continue to exercise its general power of supervision over the college.

The autonomy conferred is subject to the acceptance of the prescribed conditions mentioned above and such other conditions as may be imposed by the Monitoring & Development Committee / Executive Council of the University from time to time.

for **REGISTRAR**

8/7/14

To
The Principal,
Madanapalle Institute of Technology & Science,
P.B. No.14, Angallu, Madanapalle,
Chittoor Dist-517 325

Copy communicated to:
The Chairman/Secretary, Ratakonda Ranga Reddy Educational Academy, 10-314,
Kamma Street, Madanapalle, Chittoor Dist – 517 325.
The Secretary, University Grants Commission, Bahadurshah Zafar Marg, New Delhi-110002.
The Joint Secretary, University Grants Commission, Bahadurshah Zafar Marg, New Delhi-110002.
The Joint Secretary & Head, Southern Regional Office, University Grants Commission (UGC),
Andhra Pradesh State Finance Corporation (APSFC) Building, (4th floor), 5-9-194, Chirag Ali Lane, Hyderabad-500001.
The Member Secretary, All India Council for Technical Education (AICTE), 7th floor,
Chanderlok Building, Janpath, New Delhi-110001.
The Secretary, A.P.State Council of Higher Education, Masab Tank, Hyderabad-500028.
The Commissioner of Technical Education, BRKR Govt. Office Building, D Block, 5th floor,
Tank Bund, Hyderabad-500003.
The Director of Evaluation, JNTUA.
The Controller of Examinations, JNTUA.
The Director of Admissions, JNTUA.
P.A. to V.C. / Rector / Registrar.

ज्ञान-विज्ञान विमुक्तये

डॉ. मंजू सिंह
संयुक्त सचिव
Dr. Manju Singh
Joint Secretary

सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मानव संसाधन विकास मंत्रालय, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)
बहादुरशाह ज़फर मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002
दूरभाष PHONE : कार्यालय OFF : 23238876
फैक्स FAX : 011-23232297
ई-मेल E-MAIL : manjusingh.ugc@nic.in

BY SPEED POST

No.F. 22-1/2014(AC)

June, 2014

19 JUN 2014

The Registrar,
Jawaharlal Nehru Technological University
Anantapur – 515 002
(Andhra Pradesh)

Sub:- Conferment of Fresh Autonomous Status to Madanapalle Institute of Technology & Science, Post Box 14, 10 KM, Kadiro Road, Angallu, Madanapalle – 517 325 affiliated to Jawaharlal Nehru Technological University, Anantapur, A.P.

Sir/Madam,

This has reference to the proposal dated 12.12.2011 submitted by Madanapalle Institute of Technology & Science, Post Box 14, 10 KM, Kadiro Road, Angallu, Madanapalle – 517 325 affiliated to Jawaharlal Nehru Technological University, Anantapur, A.P., under the UGC scheme for conferment of fresh autonomous status and subsequent visit of the UGC Expert committee to consider the proposal on 14th and 15th February, 2014.

The report of the aforesaid Joint UGC Expert Committee was placed before the Standing Committee constituted for the purposes by the Commission to look into the Expert Committee reports for conferment of fresh autonomous status and extension of autonomy to colleges before its recommendations are placed before the Commission for its final approval.

The recommendations of the Standing Committee were placed before the Commission at its meeting held on 13.06.2014. The Commission, after taking due consideration of the recommendations of the Standing Committee, agreed to grant autonomous status to Madanapalle Institute of Technology & Science, Post Box 14, 10 KM, Kadiro Road, Angallu, Madanapalle – 517 325 under the UGC autonomous colleges scheme for a period of six year w.e.f. the academic year i.e. 2014-2015 to 2019-2020.

The Jawaharlal Nehru Technological University, Anantapur may now go ahead and issue necessary orders in this regard by endorsing a copy of the same to this office for our records. The admissible grant under this scheme will be released to the College as per its eligibility, according to the norms as laid down in the XII Plan Guidelines for Autonomous Colleges by the Joint Secretary & Incharge, UGC, South Eastern Regional Office, PB No. 152, APSFC Building, 4th Floor,5-9-194, Chirag Ali Lane, Hyderabad – 500 001.

Yours faithfully,

(MANJU SINGH)

Cont....

Copy to:-

1. The Secretary,
   Higher Education Department,
   Govt. of Andhra Pradesh,
   J-Block, 4th Floor, A.P. Sectt.
   Hyderabad – 522 022 (Andhra Pradesh)

2. The Joint Secretary & Incharge,
   UGC, South Eastern Regional Office,
   PB No. 152, APSFC Building,
   4th Floor,5-9-194, Chirag Ali Lane,
   Hyderabad – 500 001.

3. The Principal,
   Madanapalle Institute of Technology & Science,
   Post Box 14, 10 KM,
   Kadoro Road, Angallu,
   Madanapalle – 517 325 (Andhra Pradesh).

   (A copy of the Expert Committee report is also enclosed for your information and guidance.)

4. Meeting Cell.

5. Concerned file

6. Guard File.

Manju Singh

(MANJU SINGH)

5/3/2014

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI - 110 002.

REPORT OF THE UGC COMMITTEE FOR CONFERMENT OF FRESH AUTONOMOUS STATUS

Name of the College / Address / Pin Code /Fax	Dates of the Visit	Venue	For the grant of Fresh/Extension Autonomous Status
Madanapalle Institute of Technology & Science, Post Box:14, 10 KM, Kadiri Road, Angallu, Madanapalle-517325 , Ph: 08571 -280255, Fax: 08571 – 280433 Website: www.mits.ac.in Email Id: principal@mits.ac.in	14th & 15th February, 2014	Madanapalle Institute of Technology & Science,	Grant of fresh Autonomous status

(Name of the affiliating University) to Which the college concerned is affiliated to	Permanently Affiliated to Jawaharlal Nehru Technological University Anantapuramu, A.P. **(Annexrure-1)**

Details of Joint Visiting Committee who visited the institution

S.No.	Name & Address	Position	Contact Details
1	**Dr. Bibek Bandyopadhyay** Former-Director, Solar Energy Centre , 7 Type V Flats, Lodhi Road, New Delhi – 110003.	Chairman	09971157494 bbibek12@gmail.com
2	**Dr. L. M. Waghmare** Director, Shir Guru Gobind Singhji, Institute of Engineering & Technology, Vishnupuri, Nanded – 431606.	Member	09822663185 lmwaghmare@yahoo.com director@sggs.ac.in
3	**Dr. R.S.D Wahidabanu** Principal, Govt. College of Engineering(A),Salem – 636011	Member	09443046330 drwahidabanu@gmail.com

4	**Sri. S. V. Sathyanarayana** Principal Govt. Polytechnic college for Women, Palamaner, Chittoor Dist, A.P.	State Govt. Nominee	9912342059 gpwo59@gmail.com
5	**Prof. S. Krishaniah** Principal JNTU College of Engineering, Kalikiri Chittoor	Affiliating University Nominee	9849772885 principal.cek@jntua.ac.in
6	**Dr. G. Srinivas** Joint Secretary, UGC, South Eastern Regional Office, Hyderabad	Member Secretary	09490793185 srinivasugc@gmail.com

1	Name of the Principal	:		Dr. K. Sreenivasa Reddy , Professor of Mechanical Engineering
2 a)	Year in which the College was established	:		1998
b)	Date when the College was declared fit under Section 2(f) and 12(B) of UGC Act 1956 (attach a copy of UGC letter in this regard)	:		22-06-2011 Amended 06-02-2014 **Annexure – II**
3	College Applied for a) Fresh Autonomous Status b) Extension of Autonomy w.e.f. Year	:		Fresh Autonomous Status
4	Category under which the college falls as per XI th plan Guidelines	:		-
a	Men	:		N.A.
b	Women	:		N.A.
c	Co-education	:		Yes
d	UG / PG / Both/ Single faculty/ Multi Faculty (Please mention)	:		Multi faculty, institution with UG, PG in Engineering, Management & Computer

				Applications
e	Self Financing (Number of years standing with proof 10 years of existence as per norms of the Xth Plan guidelines)	:		Self-Financing – 15 years existence
5	Type of College	:		-
a	Arts/Science /Commerce	:		N.A.
b	Engineering	:		Engineering, Management Studies, Humanities and Basic Sciences
c	Education	:		N.A.
d	Others (Law, Physical Education etc.)	:		N.A.
e	Infrastructure facilities available with appropriate covered area in Sq.Ft.	:		-
	a) Class Rooms	:		3834 Sq.m – 41215 Sq.f
	b) Laboratories	:		6497 Sq.m – 69841 Sq. f
	c) Library	:		719 Sq.m - 7729 Sq. f
	d) Hostels (Women) (Men)	:		Residential accommodation is provided to the students by the college outside the campus.
	e) Others like : Administrative Block/Principals Office/Staff Room/Common Room/Canteen/Sports Facilities (Indoor)/Auditorium/ Tutorial Room/Seminar Hall/Drawing Hall/Additional Workshops/Corridors/Common Area etc.,			10446 Sq. m – 112292 Sq.f
	f) Total (Buildings) covered area in Sq.ft			21496 Sq.m – 231078 Sq. f

The Details of Infrastructure facilities mentioned above are as given by the college and attached as Annexure – III.

Name of the college	Total No. of teaching staff strength			Total No. of Research Publications/Projects during the last 5 years				Total No. of Conferences/ Seminars/Symposium during the last 5 years	
				Research publications		Research Projects			
	PhD	M.E/ M. Phil	Total	National	International	Minor	Major	Attended	Conducted
Madanapalle Institute of Technology & Science	45	90	135(Annexure- IV)	238 (Annexure-V)	502 (Annexure-V)	One ongoing project (Annexure-V)		306 (Annexure-VI)	34 (Annexure-VI)

(II). Academic Activities (Wherever required annexure be annexed for giving details) during the last five years

(III) Student Strength

Year	Under Graduate		Total	Post Graduate		Total
	Boys	Girls		Boys	Girls	
2008-2009	1263	566	1829	242	118	360
2009-2010	1241	590	1831	236	120	356
2010-2011	1196	632	1833	280	133	413
2011-2012	1159	675	1794	340	165	505
2012-2013	1214	624	1838	377	175	552
2013-2014	1242	657	1899	473	230	703

(IV). Staff Under F.I.P (Sponsored): Some teachers are pursuing Ph.D under Qualification up-gradation programme. Their fee is paid by the college from TEQIP grants.

COURSES OFFERED: **UNDER GRADUATE (Full Time)**

Si. No	Courses	Duration	Year of approval by Univ. /UGC/AICTE (Give approval Ref. No. & Date)	Sanctioned Annual Intake	Grades in case accredited by NAAC/NBA,AICTE, New Delhi (With Period of Validity)	Remarks/ Present Intake
1	Electrical & Electronics Engineering	4	1998	40	NBA (2 yr from 18/09/2013)	240
2	Computer Science & Engineering	4	1998	40	NBA (2 yr from 18/09/2013)	120
3	Electronics & Communication Engineering	4	1998	40	NBA (2 yr from 04/02/2014)	60
4	Mechanical Engineering	4	1998	60	NBA (2 yr from 18/09/2013)	180
5	Information Technology	4	2007	60	AICTE – EOA – 2013-2014	60

POST GRADUATE (FULL TIME)

Si. No	Courses	Duration	Year of approval by Univ. /UGC/AICTE (give approval Ref. no. & Date)	Sanctioned Annual Intake	Present Intake
1	M. Tech - DECS	2 Ys	2004	18	36
2	M. Tech – EPS	2 Ys	2010	18	36
3	M. Tech – CSE(I)	2 Ys	2007	18	36
4	M. Tech – CSE(II)	2 Ys	2010	18	36
5	M. Tech – MD	2 Ys	2011	18	36
6	M. Tech – MNE	2 Ys	2012	18	36
7	M. Tech – AMS	2 Ys	2012	18	36
8	MBA	2 Ys	2004	60	120

9	MCA	3 Ys	2004	60	60

6. Whether the Committee is satisfied with the present mode of the teaching methods adopted by the college, Yes/No (Specific comments in details may be given as to the short comings observed if any).

Yes, the committee is satisfied with the teaching and learning process prevailing in the college. Conventional teaching methods are supplemented with NPTEL lecture videos and other ICT based methods. Research based teaching and learning education has been initiated. The college is also a member of Open Courseware Consortium. QEEE resources are extended to the students.

7. Academic Achievements of the Students during the last 5 years in detail such as various ranks obtained by its students in the University's exams.

Students' results in general are good. Transition rates seem to be encouraging. Few students obtained ranks in University level examinations. Participation of the students in community service & extension activities is appreciated. A good number of alumni are currently working with multinational companies.

The details are annexed as **Annexure -** VII

8. Whether the Committee is satisfied with the type of courses being offered by the college.

Yes. The committee has observed that there are UG and PG courses in Engineering. Courses are also conducted in Management studies and Computer Applications. The college is also running Diploma programmes in Engineering which are approved by the AICTE and State Government. These Diploma programmes are not within the purview of this committee. Hence they are excluded from assessment and the report of the committee

9. Whether all Teachers are in favour of getting /extension autonomous status to the college.

Yes, the teachers expressed their desire for Autonomy and supported conferment of Autonomy to the college. They are of the view that Autonomy will facilitate faster developing of the college. It will also enable them to undertake more research activities.

10. FEE STRUCTURE

The following fees are approved by AFRC, Government of A.P.

Courses & Classes	Caution deposit (refundable at the end of the course)	Tuition fees	Special fees	Total
B. Tech	1000	64700	4900	70600
MBA	1000	41300	4900	47200
MCA	1000	45300	4900	51200
M Tech	1000	57000	4900	62900

11. Examination Reforms

a. **Whether the Committee is satisfied with the present mode of the Examination being conducted by the College. Any specific method of evaluation which the Committee would like to suggest to them may be indicated**

Yes, the present examination system is as per the affiliating university norms. The college has applied for fresh Autonomous status.

b. **Interaction with Teaching Staff, Students, Parents & Alumni and non-teaching staff. Specific comments in details for such interaction undertaken**

- **Management**

The College Management has good understanding of higher education. They have adequate seriousness for the growth and development of the institution with definite plans. The management authorities have agreed to provide necessary infrastructural facilities, financial support and facilitative environment for effective implementation of Autonomy.

- **Faculty**

The faculty members presented the academic activities to the committee during the departmental visits. Interactions were also conducted collectively with the faculty members. They showed necessary keenness and commitment for implementation of Autonomy. Some of the faculty members felt that the autonomy will enable them to take-up more R &D projects and also to enrich the curriculum with industrial orientation. Most of the faculty

has fair understating of their role and responsibilities in implementation of Autonomy.

- **Students**

  Students indicated overall satisfaction about the quality of curriculum transaction and infrastructural facilities made available to them in the campus. They felt that autonomous status to the college will bring in new benefits to the students in-terms of increased placements and relevant curriculum. They are also of the view that autonomous status may help them in finding better prospectus for higher studies and employment. With these views they wished Autonomy for their institution.

- **Non Teaching Staff**

  During the visiting committee interaction the non-teaching staff have indicated their support for implementation of the Autonomy. Many of them have reasonable understanding on the concept of Autonomy.

- **Parents & Alumni**

  They supported Autonomous status to the college saying that this is one of the best colleges in this area and capable of sustaining the Autonomy. They expressed overall satisfaction on the quality of instruction and facilities provided to the students. The college has functional Alumni Association.

12. (a) **Administrative Activities**

Whether the Governing Body, Academic Council, Board of studies and Finance Committee meeting are being conducted by the college periodically or not. Specific comments in details with regard to resolutions passed by the above bodies in the recent past may be given

The college has applied for conferment of fresh Autonomous status. As a part of preparedness for implementation of Autonomy, the presentation made by the Principal before the committee showed that the statutory and non-statutory bodies required for implementation of Autonomy have been formed.

12(b) NAAC/NBA rating awarded, if not comments thereof:

The college has currently valid accreditation from NBA. Four branches of Under Graduate Engineering Courses are accredited by NBA. Accreditation is valid for the period of two years from November 2013 to November 2015 for the branches of EEE, CSE and ME. For ECE Accreditation is valid from February 2014 to 2016. ***(Annexure VIII)***

13. Financial Utilization of UGC or from other agencies (Central & State) funds: Specific comments be given:-

The college has not received any financial assistance from UGC being self-financing institution. However, the college has received grants from other sources as detailed below: The following on going activities have been observed by the committee

- *Received Rs. 4 crores under TEQIP-II sub-component 1.1 for the period 2011-14.* ***(Annexure IX)***
- *Received from Institute of Engineers Rs. 50,000 in the year 2013 for R &D project.* ***(Annexure IX)***
- *Received from AICTE for FDP Rs. 7,00,000 in the year 2013.* ***(Annexure)***

a) Achievements made under autonomy (During the last five years)

Not applicable. The college has applied for fresh autonomy.

b) Future Plans proposed under Autonomy

- *Introduction of new courses to suit the industrial needs.*
- *Establishing the super computer centre.*
- *Setting up Solar Energy Research Centre.*
- *Starting VLSI Center of Excellence.*
- *Establishing Robotics & Automation Centre.*
- *Establishing Smart Materials Research Centre.*
- *Establishing Sports Complex*
- *Planning to have atleast 50% faculty with doctoral degrees in technical programmes and 100% faculty with doctoral degrees in sciences and humanities.*
- *To create R & D centers in all departments based on the subject interest in trust areas.*
- *To initiate consultancy works in all departments with faculty.*
- *Strengthening Industry –Institute partnership for knowledge sharing.*
- *Providing financial support to the students who join Ph.D., programmes under TEQIP II .*

14. **Any other information which the Committee feels will help UGC in taking decision to grant Autonomy or continuation of Autonomous status to the college.**

The visiting committee appreciates the overall growth and development of the college. The committee feels that some of the points worth mentioning about the college are detailed below.

- *Availability of Good infrastructural facilities*
- *Academic oriented college management*
- *Center for Wipro Mission 10X Faculty Development Programme -2008*
- *ISO 9001:2008 Certified Institution - 2009, 2013*
- *IBM Software Centre of Excellence - 2009*
- *Member of Indo-US Collaboration of Engineering Education - 2010*
- *Receiving TEQIP-II funds under Sub Component 1.1 – 2011*
- *Adobe Certification Center - 2011*
- *Certified as Center of Academic Excellence by Visvesvaraya Technological University, Belgaum, Karnataka & CANEUS, Canada -2013*
- *Recognized Research Center for Engineering, Management Studies, English, Mathematics, Physics, and Chemistry under JNTU Anantapur - 2013*
- *Created R & D Cell co-ordianated by Dean R & D. Certain thrust areas of research were identified with senior faculty heading them.*
- *Some of the faculty members are active in research and published in National and International Journals during the last five years.*
- *Financial assistantships were provided to select M.Tech students under TEQIP (II).*
- *IQAC, EDP Cell and Industry- Interaction Cell (IIIC) are recently initiated.*
- *Finishing school concept is adopted.*
- *Add on soft skills programmes are regularly conducted.*

15. Observations & Suggestions of the committee for future development

The Committee is satisfied with the learning ambience and overall development of the college. However the following suggestions will help it towards productive advantage of the college in future.

- Students are to be provided better industrial exposure and outside projects.

- More efforts are to be initiated to enhance the campus placement opportunities.
- In campus Hostels and Guest House facilities be provided.
- Enhancement of Sports facilities is required.
- Facilities to students for GATE Coaching may be provided.
- Transport facilities are to be enhanced.
- State of Art Equipment may be added in some laboratories and hands on experience be extended to the students.
- Strengthen the research activities further so as to give focus to technology transfer.
- More efforts to enhance communication skills of students will be useful considering the locational mapping of the institution and background of the majority of the students.
- The college may consider starting of academic programmes in Civil Engineering.

16. Recommendations of the Committee

The Committee has gone through the presentation made by the Principal and visited the academic departments and infrastructural facilities available in the college. It also interacted with all the stakeholders. Available records are also perused. On this basis the committee is of the view that the college is capable of sustaining the autonomy.

The Committee unanimously recommend to UGC to Consider fresh autonomous status to Madanapalle Insitute of Technology & Science, Madanapalle, Post Box No. 14, Angallu Village, Kurabalakota Mandal, Chittoor District, Andhra Pradesh for a period of Six academic years with effect from 2014-15 to 2019-20.

Signature of the Experts with their full names

(Bibek Bandyopadhyay)	**(L. M. Waghmare)**	**(R.S.D Wahidabanu)**
Chairman	Member	Member
(S. V. Sathyanarayana)	**(S. Krishaniah)**	**(G. Srinivas)**
State Govt. Nominee	Affiliating University Nominee	Member Secretary

15/02/2014

Place: Madanapalle, A.P.
Date: 15/02/2014

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in

ज्ञान-विज्ञान विमुक्तये
SPEED POST

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F. No. 8-306/2011 (CPP-I/C)

February, 2014

06 FEB 2014

The Registrar,
Jawaharlal Nehru Technological University
Anantapur – 515 002
Andhra Pradesh

Sub: - Change the status of the College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

In supersession of this office letter of even no. dated 22.06.2011 on the above subject and to say that Madanapalle Institute of Technology & Science, P.B. No. 14, Angallu, Madanapalle – 517 325, Dist. Chittoor, Andhra Pradesh is **un-aided/self financed** College and **permanently** affiliated to Jawaharlal Nehru Technological University, Anantapur and the name of aforesaid college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head '**Non-Government, self financed** College teaching upto **Master's** Degree':-

Name of the College	Year of Establishment	Remarks
Madanapalle Institute of Technology & Science, P.B. No. 14, Angallu, Madanapalle – 517 325, Dist. Chittoor, Andhra Pradesh.	1998	The College is now declared fit to receive Central assistance in terms of Rules framed under Section 12 (B) of the UGC Act, 1956. However, the College, being a self financing & unaided, would be eligible to receive UGC's support only in respect of teachers & students related schemes as per the decision of the Commission dated 8th July 2011.

The documents submitted in respect of the above College have been accepted by the University Grants Commission. The earlier letter dated 22.06.2011 may please be treated as cancelled.

Yours faithfully,

(Ajay Kumar)
Education Officer

Copy to:-

1. The Principal, Madanapalle Institute of Technology & Science, P.B. No. 14, Angallu, Madanapalle – 517 325, Dist. Chittoor, Andhra Pradesh.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi - 110 001.
3. The Secretary (Higher Education), Government of Andhra Pradesh, Secretariat Building, J-Block, 4th Floor, Hyderabad – 500 022, (Andhra Pradesh).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
5. Publication Officer (UGC-Website), New Delhi.
6. Section Officer (FD-III Section), UGC, New Delhi.
7. Guard file.

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

(Sunita Khanna)
Section Officer

NATIONAL BOARD OF ACCREDITATION
NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620, 2436 0654 Telefax: +91 11 2436 0682

File No. 11-170/2012/NBA

October 17, 2013

To

The Principal
Madanpalle Institute of Technology & Science,
P. B. No. 14, Angallu, Madanpalle-517 325,
Chittoor Dist. A. P.
Ph. No. 08571-280255, 280706

Sub: Accreditation status of programmes applied by Madanpalle Institute of Technology & Science, Madanpalle, Chittoor Dist. A. P.

Dear Sir/Madam,

This is with reference to application dated 31-08-2011 from Madanpalle Institute of Technology & Science, Madanpalle, Chittoor Dist. A. P. seeking NBA accreditation to various UG Programmes.

2. An Expert Committee conducted an on-site evaluation of the programmes on 12th to 14th July, 2013. The report submitted by the Expert Committee was considered by the Engineering Accreditation Evaluation Committee (EAEC) at its meeting held on 07-09-2013. The Sub-Committee of Academic Advisory Committee on Engineering considered the recommendations of EAEC at its meeting held on 11-09-2013. The Executive Committee of the National Board of Accreditation considered the recommendations of the Sub-Committee of Academic Advisory Committee on Engineering at its meeting held on 18-09-2013. The Executive Committee approved the accreditation status of the programmes as given in the table below.

Sl. No.	Name of the Programmes (UG)	Accreditation Status	Period of validity w.e.f. 18-09-2013	Remarks
(1)	(2)	(3)	(4)	(5)
1.	Computer Science & Engineering	Provisionally Accredited	2 Years	Accreditation Status granted is valid till the programme has the approval of the Competent Authority or the period given in Col. '4', whichever is earlier.
2.	Electrical and Electronics Engineering	Provisionally Accredited	2 Years	
3.	Mechanical Engineering	Provisionally Accredited	2 Years	

3. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to Madanpalle Institute of Technology & Science, Madanpalle, Chittoor Dist. A. P. as a whole. **As such the Institution should nowhere alongwith its name including on its letter head etc., write that it is accredited by NBA because it is programme accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** The complete name of the programme(s) accredited, level of programmes (UG or PG as the case may be) and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

4. The accreditation status of the above programmes is subject to change on periodic review, if needed, by the NBA. It is desired that the relevant information in respect of accredited programme as indicated in the Table in paragraph 2 above, appears on the website and information bulletin of your Institution.

Contd/...

सत्यमेव जयते

TELEGRAM : SCINDRECH
दुरभाष/TEL : 26962819, 26567373
: 26565694, 26562133
: 26565687, 26562144
: 26562134, 26562122 (EPBAX)
फैक्स/FAX : 26960629, 26529745
Website : http:/www.dsir.gov.in

सूचना का अधिकार

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
टेक्नोलॉजी भवन
नया महरौली मार्ग, नई दिल्ली – 110 016

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan
New Mehrauli Road, New Delhi - 110 016

F.No. 11/625/2014-TU-V

Date: July, 2014

The President
Madanapalle Institute of Technology & Science of
Ratakonda Ranga Reddy Educational Academy
P.B. No 14. Angallu (V),
Kadiri Road, Kadiri Road,
Madanapalle - 517 325
Andhra Pradesh

Subject : Registration of Research Institution, other than a Hospital, for the purposes of availing Customs/Central Excise duty exemption in terms of Govt. Notifications No. 51/96-Customs dated 23rd July, 1996 & No. 24/2007-Customs dated 01.03.2007 and Central Excise Duty Exemption in terms of Govt. Notifications No. 10/97-Central Excise dated 1st March, 1997 & No. 16/2007-Central Excise dated 01.03.2007

CERTIFICATE OF REGISTRATION

This is to certify that **Madanapalle Institute of Technology & Science of Ratakonda Ranga Reddy Educational Academy, Madanapalle, Andhra Pradesh** is registered with the Department of Scientific and Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Government Notifications No. 51/96-Customs dated 23rd July, 1996 & No. 24/2007-Customs dated 1st March, 2007 and Central Excise duty exemption in terms of Government Notifications No. 10/97-Central Excise dated 1st March, 1997 & No. 16/2007-Central Excise dated 1st March, 2007 as amended from time to time. The Registration is subject to terms and conditions mentioned overleaf.

This Registration is valid upto **31.03.2016.**

Please acknowledge the receipt.

Yours faithfully,

(K.V.S.P. Rao)
Scientist - 'G'

सत्यमेव जयते

TELEGRAM : SCINDRECH
दुरभाष/TEL : 26962819, 26567373
: 26565694, 26562133
: 26565687, 26562144
: 26562134, 26562122 (EPBAX)
फैक्स/FAX : 26960629, 26529745
Website : http:/www.dsir.gov.in

सूचना
का अधिकार

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
टेक्नोलॉजी भवन
नया महरौली मार्ग, नई दिल्ली – 110 016

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan
New Mehrauli Road, New Delhi - 110 016

F.No. 11/625/2014-TU-V

Date: July, 2014

The President
Madanapalle Institute of Technology & Science of
Ratakonda Ranga Reddy Educational Academy
P.B. No 14. Angallu (V),
Kadiri Road, Kadiri Road,
Madanapalle - 517 325
Andhra Pradesh

Subject : Recognition of Scientific and Industrial Research Organisations (SIROs).

Dear Sir,

This has reference to your application for recognition of Madanapalle Institute of Technology & Science of Ratakonda Ranga Reddy Educational Academy, Madanapalle, Andhra Pradesh as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.

2. This is to inform you that it has been decided to accord recognition to **Madanapalle Institute of Technology & Science of Ratakonda Ranga Reddy Educational Academy, Madanapalle, Andhra Pradesh from 30.06.2014 upto 31.03.2016.** The recognition is subject to terms and conditions mentioned overleaf.

3. Receipt of this letter may kindly be acknowledged.

Yours faithfully,

(K.V.S.P. Rao)
Scientist - 'G'

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. South-Central/1-2013824758/2014/EOA Date: 04-Jun-2014

To,
The Principal Secretary
(Higher Education) Govt. of Andhra Pradesh,
J Block, 4th Floor, Secretariat Building,
Hyderabad-500022

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

Sir/Madam,

In supersession of the extension of approval issued for the academic year 2014-15 and in terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-Central	Application Id	1-2013824758
		Permanent Id	1-7603741
Name of the Institute	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE	Institute Address	10TH KM., ANGALLU (V), NH - 205, KURABALAKOTA (M), MADANAPALLE - ANANTAPUR ROAD,, MADANAPALLE, CHITTOOR, Andhra Pradesh, 517325
Name of the Society/Trust	RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY	Society/Trust Address	15/5/5, SHIRIDI SAI NILAYAM, RRN COLONY,,MADANAPALLE,CHITTOOR,Andhra Pradesh,517325
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2014-15

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:5 June 2014

Printed By : ae1734141

Application Id: 1-2013824758			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ADVANCED MANUFACTURING SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	36	36	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	36	36	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	36	36	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRICAL POWER SYSTEM	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	36	36	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	SOLAR POWER SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	0	24	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	VLSI AND EMBEDDED SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	0	24	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	0	60	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	120	120	No	No	N

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:5 June 2014

Printed By : ae1734141

Application Id: 1-2013824758			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	60	120	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	240	240	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	60	60	No	No	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	180	240	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	COMPUTER SCEINCE & ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	36	36	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	MACHINE DESIGN	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	36	36	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	MICRO AND NANO ELECTRONICS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	36	36	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	60	60	No	No	N

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:5 June 2014

Printed By : ae1734141

Application Id: 1-2013824758			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	60	60	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	60	60	No	No	N
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	60	60	No	No	N
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	120	240	No	No	N
MCA	1st Shift	MCA 2nd Year Direct	MASTER OF COMPUTER APPLICATIONS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	60	120	No	No	N
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	60	60	No	No	N

- Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
   All India Council for Technical Education
   First Floor, old BICARD Building
   Jawaharlal Nehru Technological University
   Masab Tank, Hyderabad-500076

2. **The Director Of Technical Education,**
   Andhra Pradesh

3. **The Registrar,**
   Jawaharlal Nehru Technological University, Anantapur

4. **The Principal / Director,**
   MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
   10TH KM., ANGALLU (V), NH - 205,
   KURABALAKOTA (M),
   MADANAPALLE - ANANTAPUR ROAD,,
   MADANAPALLE,CHITTOOR,
   Andhra Pradesh,517325

5. **The Secretary / Chairman,**
   RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY
   15/5/5, SHIRIDI SAI NILAYAM, RRN COLONY,,
   MADANAPALLE,CHITTOOR,
   Andhra Pradesh,517325

6. **Guard File(AICTE)**

Note: This is a Computer generated Letter of Approval.No signature is required. Letter Printed On:5 June 2014

Printed By : ae1734141

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in

ज्ञान-विज्ञान विमुक्तये
SPEED POST

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

F. No. 8-306/2011 (CPP-I/C)

June, 2011

22 JUN 2011

The Registrar,
Jawaharlal Nehru Technological University,
Anantapur – 515 002,
Andhra Pradesh.

Sub: Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter No. MITS/UGC/2010-11 dated 18.03.2011 received from the Principal, Madanapalle Institute of Technology & Science, 10th Km Angallu (V), Kurabalakota (M), Madanapalle – Anantapur Road, Chittoor Dist – 517 325, (Andhra Pradesh) on the above subject and to say that it is noted that the following college is **un-aided/self financed** and **permanently** affiliated to **Jawaharlal Nehru Technological University, Anantapur**. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head '**Non-Government** College teaching upto **Master's** Degree':-

Name of the College	Year of Establishment	Remarks
Madanapalle Institute of Technology & Science, 10th Km Angallu (V), Kurabalakota (M), Madanapalle – Anantapur Road, Chittoor Dist – 517 325, (Andhra Pradesh).	1998	The college is granted 12 (B) status to make it eligible to receive central assistance from sources other than UGC.

The Indemnity Bond and other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,

(Uma Bali)
Under Secretary

Copy to:-

1. The Principal, Madanapalle Institute of Technology & Science, 10th Km Angallu (V), Kurabalakota (M), Madanapalle – Anantapur Road, Chittoor Dist – 517 325, (Andhra Pradesh).
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary & Higher Education, Shastri Bhawan, New Delhi - 110 001.
3. The Secretary (Higher Education), Government of Andhra Pradesh, Secretariat Building, J-Block, 4th Floor, Hyderabad – 500 022, (Andhra Pradesh).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
5. Publication Officer (UGC-Website), New Delhi.
6. Section Officer (FD-III Section), UGC, New Delhi.
7. All Sections, UGC, New Delhi.
8. Guard file.

(Sunita Gulati)
Section Officer

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620, 2436 0654 Telefax: +91 11 2436 0682

NATIONAL BOARD of ACCREDITATION

File No. 11-170/2012/NBA

October 17, 2013

To

The Principal
Madanpalle Institute of Technology & Science,
P. B. No. 14, Angallu, Madanpalle-517 325,
Chittoor Dist. A. P.
Ph. No. 08571-280255, 280706

Sub: Accreditation status of programmes applied by Madanpalle Institute of Technology & Science, Madanpalle, Chittoor Dist. A. P.

Dear Sir/Madam,

This is with reference to application dated 31-08-2011 from Madanpalle Institute of Technology & Science, Madanpalle, Chittoor Dist. A. P. seeking NBA accreditation to various UG Programmes.

2. An Expert Committee conducted an on-site evaluation of the programmes on 12th to 14th July, 2013. The report submitted by the Expert Committee was considered by the Engineering Accreditation Evaluation Committee (EAEC) at its meeting held on 07-09-2013. The Sub-Committee of Academic Advisory Committee on Engineering considered the recommendations of EAEC at its meeting held on 11-09-2013. The Executive Committee of the National Board of Accreditation considered the recommendations of the Sub-Committee of Academic Advisory Committee on Engineering at its meeting held on 18-09-2013. The Executive Committee approved the accreditation status of the programmes as given in the table below.

Sl. No.	Name of the Programmes (UG)	Accreditation Status	Period of validity w.e.f. 18-09-2013	Remarks
(1)	(2)	(3)	(4)	(5)
1.	Computer Science & Engineering	Provisionally Accredited	2 Years	Accreditation Status granted is valid till the programme has the approval of the Competent Authority or the period given in Col. '4', whichever is earlier.
2.	Electrical and Electronics Engineering	Provisionally Accredited	2 Years	
3.	Mechanical Engineering	Provisionally Accredited	2 Years	

3. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to Madanpalle Institute of Technology & Science, Madanpalle, Chittoor Dist. A. P. as a whole. **As such the Institution should nowhere alongwith its name including on its letter head etc., write that it is accredited by NBA because it is programme accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** The complete name of the programme(s) accredited, level of programmes (UG or PG as the case may be) and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

4. The accreditation status of the above programmes is subject to change on periodic review, if needed, by the NBA. It is desired that the relevant information in respect of accredited programme as indicated in the Table in paragraph 2 above, appears on the website and information bulletin of your Institution.

Contd/....

5. The accreditation status awarded to the programmes as indicated in Table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

6. Copies of the Comprehensive Report submitted by the Chairman of the Expert Committee alongwith the detailed reports submitted by the Expert Team for the programmes evaluated which visited your Institution are enclosed for reference and to take necessary action to improve upon the shortcomings, if any, pointed out by the Expert Team.

7. If the Institution is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,

(Dr. Anil Kumar Nassa)
Member Secretary

Note: Under Para 3.4.4 of Chapter 3 of the Manual of Accreditation, 2013, it is provided that the application for accreditation received in an academic year will be considered in next academic year. Therefore, the Institute may apply if it so desires, in the academic year 2014-15 for full accreditation of the provisionally accredited programme (s) in order to have continuation of accreditation.

Encls: 1. Copy of Report of Chairman of the Visiting Team
2. Copies of Expert Reports of the Visiting Team.

Copy to:

1. The Vice Chancellor, JNT University Anantapur, Anantapur-515002, Andhra Pradesh.
2. The Principal Secretary (Higher Education) Government of Andhra Pradesh, J Block, 4th Floor, Secretariat Building, Hyderabad-500022.
3. The Director of Technical Education, Dept. of Technical Education, Govt. of Andhra Pradesh, Vth Floor, BRK Complex, Tarbund Road, Hyderabad-500063, A.P.
4. Member Secretary, AICTE, Chanderlok Building, Janpath, New Delhi-110001
5. Accreditation File
6. Master Accreditation Folder of the State.

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620, 2436 0654 Telefax: +91 11 2436 0682

File No. 11-170/2012/NBA

October 17, 2013

To

The Principal
Madanpalle Institute of Technology & Science,
P. B. No. 14, Angallu, Madanpalle-517 325,
Chittoor Dist. A. P.
Ph. No. 08571-280255, 280706

Sub: Accreditation status of programme applied by Madanpalle Institute of Technology & Science, Madanpalle, Chittoor Dist. A. P.

Dear Sir/Madam,

This is with reference to application dated 31-08-2011 from Madanpalle Institute of Technology & Science, Madanpalle, Chittoor Dist. A. P. seeking NBA accreditation to Electronics & Communication Engineering Programme.

2. An Expert Committee conducted an on-site evaluation of the programme on 12th to 14th July, 2013. The report submitted by the Expert Committee was considered by the Engineering Accreditation Evaluation Committee (EAEC) at its meeting held on 07-09-2013. The Sub-Committee of Academic Advisory Committee on Engineering considered the recommendations of EAEC at its meeting held on 11-09-2013. The Executive Committee of the National Board of Accreditation considered the recommendations of the Sub-Committee of Academic Advisory Committee on Engineering at its meeting held on 18-09-2013. The Executive Committee approved the accreditation status of the programme as given in the table below.

Sl. No.	Name of the Programme (UG)	Accreditation Status
(1)	(2)	(3)
1.	Electronics & Communication Engineering	*Not Accredited

***Deficiency in PEO & PO. Marks awarded by the Visiting Team = 636. Marks reduced to 594.**

3. Copies of the Comprehensive Report submitted by the Chairman of the Expert Committee alongwith the detailed report submitted by the Expert Team for the programme evaluated which visited your Institution are enclosed for reference and to take necessary action to improve upon the shortcomings, if any, pointed out by the Expert Team.

4. If the Institution is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,

(Dr. Anil Kumar Nassa)
Member Secretary

Encls: 1. Copy of Report of Chairman of the Visiting Team.
2. Copy of Expert Report of the Visiting Team.

ZERTIFIKAT ◆ CERTIFICATE ◆ 認証証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD South Asia

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited

certifies that

Madanapalle Institute of Technology & Science
Post Box: 14, 10th KM, Kadiri Road,
Angallu (V), Madanapalle - 517 325, Chittoor District,
Andhra Pradesh, INDIA

has established
and applies a Quality Management System for

Imparting Education for Under Graduate and Post Graduate Courses in Engineering, Management and Computer Applications

An audit was performed, Report No. **20055697**

Proof has been furnished that the requirements according to

ISO 9001 : 2008

are fulfilled. The certificate is **Valid until 2016-06-09**
Subject to successful completion of the **Annual Audit before 2015-05-04**
The present status of this Certificate can be obtained on www.tuv-sud.in

Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the certification body

Certificate Registration No. **99 100 14527**

Mumbai,

Effective Date: 2014-09-06

Certification Body
of TÜV SÜD South Asia Private Limited
Member of TÜV SÜD Group

TÜV SÜD ISO 9001 | NABCB QM011

TS0314

TÜV®

ANNAPURNA BHASKARI GROUP

ANNAPURNA ELECTRONICS & SERVICES PVT. LTD.

D-41, Phase-V, IDA, Jeedimetla, Hyderabad -500 055, T.S., INDIA.
Tel : +91-040-44769999, Fax : +91-040-23096492 & 23094638
e-mail : annapurna@annapurnabhaskari.com
U31909TG1985PTC005779

MEMORANDUM OF UNDERSTANDING

BETWEEN

ANNAPURNA BHASKARI GROUP, HYDERABAD

AND

MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE, ANGALLU, MADANAPALLE

ANNAPURNA BHASKARI GROUP, HYDERABAD (here in after mentioned as ABG) and MADANAPALLE **INSTITUTE OF TECHNOLOGY AND SCIENCE, ANGALLU, MADANAPALLE, CHITTOOR DISTRICT** (here in after mentioned as MITS) after detailed deliberations are pleased sign the Memorandum of Understanding (MoU) as part of Industry Institution Interaction with prime motive of creating Knowledgeable and Dynamic Human Resource from Academic Institutions who can be effectively utilized by Industrial Sector instantly. This is achievable with mutual cooperation, participation and support from the Industry. The broad features of the MoU are as follows:

1. Knowledge sharing in the Engineering and Technology frontier between the Academic Faculty of MITS and Engineering Executives of ABG.
2. Mutual exchange of MITS Faculty and ABG Engineering Executives to enable both to enhance Learning in application of theoretical concepts into the Industrial realm and vice-versa.
3. ABG shall depute their Executives to MITS for delivering Guest Lecturers to enable the students to understand and appreciate the issues involved in the Industrial Applications of the Basic Theoretical concepts of Core areas of Engineering with specific reference to the aspects of Production Engineering and Management, Quality, Reliability and Testing of Electrical/Electronic systems, and Resource Management.

STQC Certification QMS
NABCB QM 034

ANNAPURNA BHASKARI GROUP

ANNAPURNA ELECTRONICS & SERVICES PVT. LTD.

D-41, Phase-V, IDA, Jeedimetla, Hyderabad -500 055, T.S., INDIA.
Tel : +91-040-44769999, Fax : +91-040-23096492 & 23094638
e-mail : annapurna@annapurnabhaskari.com
U31909TG1985PTC005779

4. ABG will consider providing opportunities for the Graduate/PG Students to undertake project assignments/short term and long term in specific areas relevant to the industry needs. However MITS faculty shall bear the major responsibility of guiding the students in this endeavor. ABG will not have any financial commitment in this aspect.
5. ABG may consider the feasibility of absorption of students with meritorious performance along with other candidates in open competition. ABG will not have any obligation in this regard.
6. ABG is committed to the Global standards of safety and hence project students will not be allowed to handle any Equipment in the work place directly.

This MOU will be in existence for a period of three years from the date of signing of current MoU. This can be closed or renewed based on mutual consent of ABG and MITS.

This MoU is entered between ABG and MITS represented by Chairman, ABG and Principal, MITS on 15/9/14

Signed by

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

Date:

For Annapurna Electronics & Services Pvt. Ltd.

Signed by

Director

Date: 15/9/14

REVOLVE
Engineers Pvt. Ltd.
Plot No. 52, H.No. 7-1-282/C/1/52/C
Lingaiah Nagar, Balkampet, Hyd - 18.

Ph : 040-4454 5100 to 129
Telefax : 040-4454 5125
Service Center : 040-4454 5109
E-mail :water@revolveengineers.com
Website : www.revolveengineers.net

MAX CERTIFICATIONS

MEMORANDUM OF UNDERSTANDING
BETWEEN

REVOLVE ENGINEERS PRIVATE LIMETED
Plot No. 52. Lingaiah Nagar, Balkampet, S R Nagar, Hyderabad - 500038, Telangana, India.
AND

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)

MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCE, ANGALLU, MADANAPALLE

REVOLVE ENGINEERS PRIVATE LIMETED, HYDERABAD (here in after mentioned as REPL) and MADANAPALLE **INSTITUTE OF TECHNOLOGY AND SCIENCE, ANGALLU, MADANAPALLE, CHITTOOR DISTRICT** (here in after mentioned as MITS) are pleased sign the Memorandum of Understanding (MoU) as part of Industry Institute Interaction. The broad features of the MoU are as follows:

1. Mutual exchange of MITS Faculty and REPL Engineering Executives to enable both to enhance Learning in application of theoretical concepts into the Industrial realm and vice-versa.
2. REPL shall depute their Executives to MITS for delivering Guest Lecturers to engineering students.
3. REPL will consider providing opportunities for the Graduate/PG Students to undertake project works without any financial commitment.

REVOLVE
Engineers Pvt. Ltd.
Plot No. 52, H.No. 7-1-282/C/1/52/C
Lingaiah Nagar, Balkampet, Hyd - 18.

Ph : 040-4454 5100 to 129
Telefax : 040-4454 5125
Service Center : 040-4454 5109
E-mail :water@revolveengineers.com
Website : www.revolveengineers.net

MAX CERTIFICATIONS

4. REPL will consider the feasibility of absorption of students with meritorious performance along with other candidates in open competition. REPL will not have any obligation in this regard.
5. REPL is committed to the standards of safety and hence project students will not be allowed to handle any Equipment in the work place directly.

This MOU will be in existence for a period of three years from the date of signing of current MoU. This can be closed or renewed based on mutual consent of REPL and MITS.

This MoU is entered between REPL and MITS represented by Managing Director, REPL and Principal, MITS on 12-11-2014

Signed by

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

Date:

Signed by

For REVOLVE ENGINEERS PVT. LTD.

Authorised Signatory

[K. SRINIVASA RAO]

Date:

MEMORANDUM OF UNDERSTANDING
BETWEEN
CENTRAL INSTITUTE OF TOOL DESIGN, HYDERABAD
AND
MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, ANGALLU, MADANAPALLE (CHITTOR DISTRICT) ANDHRA PRADESH

This memorandum of Understanding (MoU) is entered between **Central Institute of Tool Design,** a company incorporated under the Indian Companies Act, 1956 having its registered office and represented by its undersigned of the ONE PART:

And **MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, ANGALLU, MADANAPALLE (CHITTOR DISTRICT) ANDHRA PRADESH**, represented by undersigned as a **"party".**

The parties have decided to agree to establish industry academic institute collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this Memorandum of Understanding (MoU). **Central Institute of Tool Design and Madanapalle Institute of Technology & Science, Angallu, Madanapalle (Chittor District) Andhra Pradesh** agree on following activities.

1. **Central Institute of Tool Design will offer summer internship to interested students of and Madanapalle Institute of Technology & Science, Angallu, Madanapalle (Chittor District) Andhra Pradesh** at its offices/ project locations so that the students get hands on experience of live projects. The number of students, who can be considered for internship would be as mutually decided between **Central Institute of Tool Design and Madanapalle Institute of Technology & Science, Angallu, Madanapalle (Chittor District) Andhra Pradesh** every year.

2. Depending on requirement **Central Institute of Tool Design may offer specific projects with identified deliverables to be executed by Madanapalle Institute of Technology & Science, Angallu, Madanapalle.** Detail modalities including financials would be mutually worked out for each project/assignment. Each party shall appoint one nodal officer to periodically review and identify ways to strengthen cooperation between them.

This MoU will take effect from the date it is signed by representatives of the parties. It will remain valid for five years and may be continued thereafter after suitable review and agreement. Either party may terminate the MoU by giving written notice to the other party six months in advance. Once terminated, neither **Central Institute of Tool Design nor the Madanapalle Institute of Technology & Science, Angallu, Madanapalle** will be responsible for any losses, financial or otherwise, which the other party may suffer. However, **Central Institute of Tool Design and the Madanapalle Institute of Technology & Science, Angallu, Madanapalle** will ensure that all activities in progress are allowed to be completed successfully.

This MoU is signed subject to approval of the respective academic/administrative bodies.

On behalf of Central Institute of Tool Design, Balanagar, Hyderabad

SHUJAYAT KHAN
Principal Director
CENTRAL INSTITUTE OF TOOL DESIGN
(Govt. of India Society - Ministry of MSME)
Balanagar, Hyderabad - 500 037.

Signed by

Date:

On behalf of Madanapalle Institute of Technology & Science. Angallu, Madanapall

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

Signed by

Date:

MEMORANDUM OF UNDERSTANDING

MEMORANDUM OF UNDERASTANDING between **National Small Industries Corporation - Technical Service Centre** A Government of India Enterprise under Ministry of MSME office at Electronic Complex, Kamala Nagar, Kushiaguda, Hyderabad-62 referred to as NSIC –TSC-Hyderabad.

एन. एस. आई. सी. NSIC ISO 9001 : 2008 National Small Industries Corporation राष्ट्रीय लघु उद्योग निगम लिमिटेड

NSIC- Technical Services Centre, Hyderabad

And

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC-AUTONOMOUS)

MADANAPALLE INSTUTUTE OF TECHNOLOGY & SCIENCE (MITS), ANGALLU, MADANAPALLE – 517 325 CHITTOR DISTRICT (AP)

Represented by principal

Madanapalle Institute of Technology & Science is offering quality education in UG and PG programmes in engineering, MBA and MCA having contact address at Post Box No: 14, Angallu, Madanapalle – 517 325, Chittor District, Andhra Pradesh, India represented by its principal here in after referred to as MITS which expression shall include its successors.

The Prime Objective of MoU is to make the students more employable under **Campus to Company (C2C) Program**, by way of providing In-plant Training, Academic Projects and job oriented skill development courses to be conducted by NSIC –TSC at its premises in Hyderabad.

The major objective of the NSIC–TSC, Hyderabad is Development of Skilled Manpower, conduct tailor made courses to suite the industries requirement and to provide Common Facility Services to MSME units.

AN ENGINEERING COLLEGE SPONSORED BY : **RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY**
P.B. No. 14, Angallu, Madanapalle - 517 325. Chittoor Dist. Andhra Pradesh, India.
Phone : 08571 - 280255, 280706 Fax : 08571 - 280433

1. **Mini Project /Industrial Training**: NSIC-TSC, Hyderabad to conduct Mini Project/ Industrial training, a non residential program in the batch sizes of 30 students for four weeks each for second, third and final year students of engineering accordingly.

Batch for the 2nd, 3rd & final year B.E. /B. Tech, students.

Sl No	Discipline	No. of Students	
		Batch –I Forenoon	Batch –II Afternoon
1	ECE	30	30
2	CSE	30	30
3	Mechanical	30	30
4	EEE	30	30
5	IT	30	30

1.1. In Min Project/Industrial training would be conducted at NSIC- TSC, Hyderabad and the duration is for Four weeks. The college has to intimate in advance regarding the dates on which the students would be sent to NSIC TSC, Hyderabad. Detail modalities including financials would be mutually worked out for each project/assignment. Each party shall appoint one nodal officer to periodically review and identify ways to strengthen cooperation between them.

1.2. MITS would ensure proper discipline and conducive atmosphere will be maintained throughout the training course. The candidates will forfeite certificate when failing to maintain punctuality and attendance. The candidates to submit one copy of report on the last working day of the training program.

1.3. Fee chargeable will be revised every year and the same will be communicated to MITS 3 months before the start of next financial year.

1.4 Successful candidates will be awarded with a certificate by NSIC.

AN ENGINEERING COLLEGE SPONSORED BY : RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY
P.B. No. 14, Angallu, Madanapalle - 517 325. Chittoor Dist. Andhra Pradesh, India.
Phone : 08571 - 280255, 280706 Fax : 08571 - 280433

2. Short Term Training Programmes

2.1 NSIC will conduct the following short term training programmes at a mutually agreed rate +Service Tax to the interested students of B.E./B. Tech. in the following areas with minimum batch size of 20.

Sl.No	Name of the Course	Duration
1	Embedded Systems	4 weeks
2	Robotics	4 Weeks
3	VLSI &DSP	4 Weeks
4	C,C++ & Java	6 weeks
5	Cloud Computing	4 Weeks
6	PLC & Drives	4 Weeks
7	Basic Energy Audit	4 weeks

2.2 NSIC will provide Course material and award Certificates to the students of MITS.

3 Academic Projects

NSIC –TSC, Hyderabad will also extend support in Academic projects for Final year students of MITS at NTSC-Hyderabad premises at a fee mutually agreed up on +Service Tax per student for ECE/CSE/IT/EEE/ME branches. It is mandatory for students who enroll for projects to attend class at NTSC- Hyderabad as per the schedule framed by the project coordinator.

AN ENGINEERING COLLEGE SPONSORED BY : RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY
P.B. No. 14, Angallu, Madanapalle - 517 325. Chittoor Dist. Andhra Pradesh, India.
Phone : 08571 - 280255, 280706 Fax : 08571 - 280433

4. **NSIC –TSC, Hyderabad** will assist on placement to MITS students.

5. The validity of this MoU is till 31st March 2016.

6. This MoU comes into existence from ...02/03/2015

For Institute

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

Witness

1.

2 Ch Ramakrishna Dean, III C.

Date:

For NSIC Technical Services Centre

Dy. General Manager

NSIC TECHNICAL SERVICES CENTRE HYDERABAD

U. VENKATACHALAPATHI
Dy. General Manager
NSIC - TSC
HYDERABAD

Witness

1. (M.V. Soma Sekhar C.M.Tech)

2. (Dr. I. Gopinath Associate Dean MIC MITS)

Date:

Surface Improvements (India) Limited

Survey No. 20, Anjanapura Main Road, Alahalli Telephone Exchange Compound, Anjanapura Post, Bangalore 560 062. INDIA
Tel.: 91 80 6568 3354, 6568 3357. 2843 6179 • Fax : 91 80 2676 1988 • Cable : TOPFINISH • E-mail : silk@vsnl.com
Web Site : www.surfaceimprovements.com

6 February 2013

To
Dr. K. Sreenivas Reddy
Principal
Madanapalle Institute of Technology & Science
Madanapalle - 515002

Dear Sir,

Sub: Collaborative R&D and training initiatives – Reg.

Based on our interaction, I understand that your institution is providing training and research program to support and develop the ideas of engineering students from various disciplines.

Surface Improvements (India) Ltd. has extensive experience in carrying out surface engineering procedures and practices in both academic and industrial domains. We are happy to support your institution by providing access to industry experts from various organizations and institutions.

We would be pleased to associate with any future training programs and research programs organized by your institution.

We look forward to enriching the alliance with your institution.

Thanking You.

Yours faith fully

B.Chandrasekhar
B.Tech(IIT Madras)
PGDM (IIM Bangalore)
Managing Director
Surface Improvements (India) Ltd

FELIP
Forum for Enabling Learning Initiatives & Placements in Engineering Colleges

R & D Centre, Cambridge Institute of Technology Campus, KR Puram, Bangalore-560036
Phone : 9986559290, E-mail : felip@gmail.com, Website : www.felipindia.org

Honorary Chairman
Padmashri. Prof. R. M. Vasagam
Chairman, NSRF, IIT-D, Bangalore

Research Council

Prof. K. Hema Chandra Reddy
Registrar
JNTU, Anantapur

Dr. Jose Mathew
Dean, NIT, Calicut

Dr. U. Chandrasekhar
Scientist 'G' & Additional Director
GTRE, DRDO, Bangalore

Prof. M.R. Pranesh
Director, NIT Surathkal (Former)

Dr. K. Venkateswarlu
Principal Scientist
NAL, Bangalore

Dr. Madhukar Rao
Technical Director
ACRI Infotech, Bangalore

Prof. N. Balakrishnan
Professor, IISc, Bangalore

Mr. S. S. Sastry
Lead Consultant, InfoTech , Hyderabad

Mr. Kalyan Kumar K.V
Senior Program Manager
Mercedes-Benz R&D India, Bangalore

Dr. M. Ganapathy
Associate Vice President
Mahindra Satyam, Bangalore

Dr. H.V. Lakshminarayana
Professor, DSCE, Bangalore

Prof. N. R. Bandyopadhyay
Director, BESU, Shibpur

Prof. K. P. Karunakaran
Professor, IIT, Bombay

Dr. B.V. Ravishankar
Principal
CITech, Bangalore

Mr. R. Chandrasekhar
Vice President, IIPI

Dr. U.M. Ramesh
Regional Director, AICTE, New Delhi

Director-Research
Dr. K. Elangovan
NAFEMS - Technical Director

6 February 2013

To
Dr. K. Sreenivas Reddy
Principal
Madanapalle Institute of Technology & Science
Madanapalle - 515002

Dear Sir,

Sub: Joint research and training activities – Reg.

Based on our interaction, I understand that your institution is providing training and research program to support and develop the ideas of engineering students from various disciplines.

FELIP India has extensive experience in enabling students to become industry-ready professionals through sustained learning and research activities. We are happy to support your institution by providing access to industry experts from various organizations and institutions.

We would be pleased to associate with any future training programs and research programs organized by your institution.

We look forward to enriching the alliance with your institution.

Thanking you

FELIP
(Purushotham R)

MEMORANDUM OF UNDERSTANDING

To achieve the objectives of TEQIP – IIIC of MITS, the college proposed for the student beneficial programs to M/s Enamax Engineering (India) Pvt Ltd. (EIPL), As the program suggests to make better engineers for country, M/s Madanapalle Institute Of Technology & science(MITS) generously agreed to extend their support for the proposals proposed by MITS, which are mutual beneficial.

This memorandum of understanding between **EIPL,** Hyderabad and **MITS,** Madanapalle is prepared and signed on 04th September 2012.

EIPL Proposes the following points:

EIPL would propose the curriculum for the MITS Mechanical Engineering students to improve their employable skills.

EIPL would propose the trainings in power plant equipment such as boilers(W H Boilers, AFBC, CFBC), Heat exchangers, condensers and deaerators.

EIPL also proposes to improve the awareness of MITS staff and students on the usage of waste heat recovery systems which includes WH Boilers, Economizers, Super heaters etc in process Industries such as Sulphuric Acid plants, Ammonia Plants, Nitrogen Plants, Sponge Iron Industries, Cement plants, sugar Industries etc.

EIPL also proposing the short term inhouse training for the MITS students. The selection of students would be on EIPL proposed terms.

On successful training the students would be suitable for employment with Thermax, BHEL, Thermal systems, Alstom, Siemens etc.

This trainings would not assure any placement with the EIPL.

MITS proposes the points listed below:

MITS proposes to extend and support required resources for all the trainings proposed by EIPL.

MITS would extend its support to analyse the Industrial problems faced by the Industry and to identify the solution for the problem by using MITS research facilities & research personnel.

MITS also proposing to under take the projects on calculating the standard times for the activities of EIPL shop floor with the help of final year Mechanical Engineering students.

MITS also would extend its support for the EIPL staff to improve their technical (academic sense) and soft skills.

for **Madanapalle Institute Of Technology & Science** for **Enmax Engineering (I) Pvt Ltd.,**

Principal

Director

ENMAX ENGINEERING (INDIA) PVT. LTD. Hyderabad

Enmax Engineering (India) Private Limited
Survey # 15, Suraram , Qutbullapur (Mandal),
Rangareddy (Dt), Hyderabad - 500 055. INDIA
Tel : +91 40 6455 5628 / 29 Fax.: +91 40 2316 0103
e-mail: info@enmaxindia.com, URL: www.enmaxindia.com

NAFEMS

6th February 2013

To

The Principal
Madanapalle Institute of Technology & Science
Madanapalle - 515002

Dear Sir,

Subject: Partnership to conduct joint training and research programs- reg.

NAFEMS is an international body fully committed to promote the use of simulation methods in engineering. For more than 25 years, we have been actively supporting the activities of many industries and educational institutions towards training and research programs.

We appreciate your initiative to promote training and research programs in the educational institutions as it parallels with our intention and hence we offer our full fledged support to prepare the necessary training. Also our experts will take part in the program and train the attendees.

We are aware of the excellent infrastructure and qualified staffs in your institution and hence expect much more activities in future.

Thanking you,

Yours Sincerely,

NAFEMS INDIA

(H. V. Lakshminarayana)
Education & Training Work Group

NAFEMS
Springwood, Booths Park, Chelford Road, Knutsford, Cheshire WA16 8QZ, UK
NAFEMS India Office
330/11, Domlur Layout, BBMP Ward 72, Intermediate Ring Road, Domlur, Bangalore – 560 071
T +9180 4115 2496 E nafemsindia@gmail.com M +919916854580

Confidential

Agreement Between:

Kriatec Services Private Limited.,

And

Estd 1998

Madanapalle Institute of Technology & Science

Skill Development programs on in New Product Development - CNC Machining

Kriatec services
Ideas That Connect...

ARTICLE III
Cooperative Research

It is anticipated that significant opportunities, of which a few have been identified, exist for cooperative research between MITS and Kriatec. Such clearly beneficial activities may require specific arrangements. Such problems will be analyzed by MITS with suggestions from Kriatec.

ARTICLE IV
Support to Kriatec

Through all of the above endeavors, MITS hopes to extend full support to Kriatec, in meeting the challenges faced by them. MITS shall extend themselves in the NPD-CNC Machining Area:

- Taking up Activities as outsourced by Kriatec.
- MITS will train students in core competencies required New Product Development in CNC Machining.

ARTICLE V
Exchange of Scientific Materials

Both the collaborating parties agree to exchange as widely as is practicable such items as scientific publications and journals, university calendars, prospectuses, text books, course outlines and reference materials that may be necessary and of use to either party. This will however exclude confidential reports, journals with copyright or any other unlawful exchange of information. The data will be shared by either party in good faith and only as long as the disclosing party desires to reveal the data. This clause will form no obligation on any party to reveal particular data.

ARTICLE VI
Duration of Memorandum of Understanding

The effective date of this MOU shall be 14th April, 2014. MOU shall extend for a period of Three years. The MOU may be modified by mutual written agreement.

The MOU will be extended by keeping the software on active Maintenance and ensuring that the faculty is trained in training of students. MITS needs to invest in getting its students trained and in keeping the software on active Maintenance.

KRIATEC SERVICES PRIVATE LIMITED * CHENNAI

Kriatec services
Ideas That Connect...

MEMORANDUM OF UNDERSTANDING

Between

Kriatec Services Private Limited.,
Chennai

And

Madanapalle Institute of Technology & Science
Madanapalle, Andra Pradesh

General Agreement

In order to facilitate industry-institute interaction for technical advancement, to develop academic and industrial relationships and support collaborative research activities, Kriatec Services Pvt Ltd, Chennai, hereinafter addressed as Kriatec and Madanapalle Institute of Technology & Science hereinafter addressed as MITS, agree to establish this Memorandum of Understanding (MOU) as a framework for cooperative programs.

ARTICLE I

"**Skill Development Programs in New Product Development - CNC Machining**" It is agreed that Kriatec and MITS will jointly establish a Skill Development programs on "**New Product Development - CNC Machining**"

MITS will organize Periodic seminars, workshops and refresher courses in collaboration with Kriatec on NDP-CNC. The purpose of these courses is to facilitate and maintain on-going Industry-Institute Interaction as well as provide a forum for faculty of MITS as well as those of institutions in the vicinity to discuss on topics of current interest. Arrangements for such courses will be made by MITS in keeping with the convenience of experts from Kriatec.

ARTICLE II
Syllabus framing & Curriculum Preparation

Kriatec will frame the syllabus based on the current industry requirement to enrich the employment to the student. Kriatec is responsible curriculum preparation and providing all the support related the study material. If needed Training for staff will be provided on the specific subjects.

KRIATEC SERVICES PRIVATE LIMITED * CHENNAI

Kriatec services
Ideas That Connect

ARTICLE VII
Indemnification

Kriatec and MITS shall each indemnify and hold harmless the other, its faculty/officers, agents and employees, for any and all liability, damages and costs attributable to the negligent acts or omissions of the indemnifying party, its faculty/officers, agents and employees while acting in the scope of their employment and in furtherance of activities described in this Memorandum of Understanding.

ARTICLE VIII
Liability Insurance

Each party shall maintain its own insurance in amounts deemed appropriate for its operations. Such insurance shall provide coverage for negligent acts, errors, or omissions and provide protection against bodily injury or property damage claims. It is expressly understood that each party shall be solely responsible for its own actions and such insurance shall not extend to protect any other party.

ARTICLE IX
Conduct

Each party shall abide by the rules and regulations of the host institution.

ARTICLE X
Administration

The administration of this MOU will be the responsibility of Madanapalle Institute of Technology & Science (MITS) and Kriatec Services Private Ltd., Chennai

In witness whereof the undersigned, representing their respective institutions, hereby sign and approve this Memorandum of Understanding in duplicate, one copy for every signing party.

SIGNED:

SERVICES PRIVATE LIMITED CHENNAI

Kriatec Services Private Limited.,

For KRIATEC SERVICES PRIVATE LIMITED

Authorised Signatory

Director
Date:

Madanapalle Institute of Technology & Science

Principal

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

TEQIP 949

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
आयुध निर्माणि एस्टेट, येदुमैलारम ५०२ २०५, तेलंगाण, भारत.
फोन : +९१-४०-२३०१ ६०३३, फैक्स : +९१-४०-२३०१ ६००३ / ३२
Indian Institute of Technology Hyderabad
Ordnance Factory Estate,
Yeddumailaram 502205, Telangana, INDIA
Phone: (040) 2301 6033; Fax: (040) 2301 6003 / 32

Dr. Bharat B Panigrahi
Coordinator, TEQIP KITE Centre

Ref: IITH/TEQIP-KITE/MoU/2014/AP-02/

October 14, 2014

To
The Principal,
Madanapalle Institute of Technology & Science
Post Box No: 14, Kadiri Road Angallu (V), Madanapalle-517325
Chittoor District, Andhra Pradesh

Dear Sir/Madam

We are sending herewith the Memorandum of Understanding duly signed, for Academic Collaboration under TEQIP-II for your record.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours sincerely,

Dr. Bharat B. Panigrahi

Encl.: A/a

Memorandum of Understanding (MoU) between Knowledge Incubation for Technical Education (KITE) Centre, Indian Institute of Technology Hyderabad

And

Madanapalle Institute of Technology & Science

For Academic Collaboration

under Technical Education Quality Improvement Programme (TEQIP) Phase – II

This Memorandum of Understanding (MoU) made on the 4th day of June Two Thousand and Fourteen at Yeddumailaram between the Indian Institute of Technology Hyderabad (hereinafter referred to as 'Institute'), on the first part.

AND

Madanapalle Institute of Technology & Science, Post Box No: 14, Kadiri Road, Angallu (V), Madanapalle-517325, Chittoor District, Andhra Pradesh (hereinafter referred to as 'Institution'), a participating institution under Knowledge Incubation for Technical Education for Academic Collaboration under Technical Education Quality Improvement Programme Phase-II (hereinafter referred to as TEQIP-II) of the second part.

Whereas TEQIP-II is a World Bank assisted Ministry of Human Resource Development (hereinafter referred to as MHRD) project started in August 2010. Objective of the project is to improve quality of Technical Education through institutional and systemic reforms and boosts efforts to prepare more post-graduate students to reduce the shortage of qualified faculty, and to produce more Research & Development in collaboration with industry; and

Whereas to achieve the aforesaid objective, it was considered by MHRD that pedagogical training for the faculty members of the institutions participating under TEQIP-II may be undertaken with Indian Institute of Technology (IIT); and

Whereas MHRD has decided to establish a Knowledge Incubation for Technical Education (KITE) Centre at IIT Hyderabad to conduct training programmes under TEQIP-II within its overall guidelines and as per the terms and conditions mentioned in this Memorandum; and

Whereas the Institution is willing to participate in the programme and cooperate with KITE Centre within the overall guidelines and as per terms and conditions mentioned in this Memorandum. The institution recognize that academic collaboration would be of mutual benefit and would provide strength in research and education and their mutual interest in engaging themselves in academic cooperation with the KITE Centre, IIT Hyderabad and the Institutions in the Quality Circle of IIT Hyderabad [as identified by National Project Implementation Unit (NPIU) or MHRD].

It is now, therefore, agreed by and between the parties as follows:

Faculty

1.01 The Institution will promote the exchange of faculty for teaching and/or for collaborative research programs in the areas of Science and Engineering.

1.02 The Institution agree to allow its faculty to participate in quality enhancement through participation in quality improvement activities organized by KITE Centre, post-doctoral and other short-term and long-term research engagements at IIT, which are promoted by the KITE Centre.

1.03 The Institution agrees to encourage the non-doctoral degree holder faculty to pursue a PhD program at the Institute, as sponsored candidates.

1.04 Leave (short term, long term or study leave) to the faculty participating in any of these programs will be provided by the Institution. The Institutions will allow up to 2 of the faculty strength in each department to be on leave for these activities. The TEQIP cell of the Institution will provide for travel. KITE Centre will take care of study and local hospitalities.

1.05 The interested faculty will make an application the TEQIP Cell of the Institution with a copy to the coordinator / faculty-in-charge of KITE Centre. Applications could be made against announcements made by KITE Centre. Denial of permission to the recommended applicant has to be explained by the Institution.

Students

2.01 The Institution will promote internship or/and semester exchange of qualified undergraduate and/or graduate students to the academic programs of IIT Hyderabad.

a. **Internship:** Students will participate in summer internship activities at the Institute with support from KITE Centre. Application for the internship, against an announcement made by KITE Centre, should be submitted to the coordinator / faculty-in-charge of KITE Centre, through the TEQIP Coordinator of the Institution.

b. **Credit transfer:** KITE Centre will facilitate offering of e-courses and limited enrollment in specific courses at the Institute, for good students from the Quality Circle institution. Credits earned through these courses will be recognized by the Institution. Appropriate changes in the local academic rules and regulations will be made to enable earning of credits from outside.

c. **Joint research:** The Institution will encourage its faculty and graduate students to participate in joint research with the Institute, or within the Quality Circle, as initiated by the KITE Centre. Possibility of joint supervision of doctoral thesis will also be encouraged. Towards this, the coordinators of the TEQIP cells will interact closely with the coordinator / faculty-in-charge of KITE Centre.

2.02 Students will be provided leave and support for travel from the Institution.

Curriculum

3.01 The Institution agrees to share with KITE Centre, the details of implementation of its academic curriculum. This may help to evolve a uniform curriculum for all the institutions in the Quality Circle.

3.02 The Institution agrees to participate in periodic reviews of its academic curriculum, by a team of evaluators chosen by the KITE Centre, in consultation with NPIU, towards effective implementation of the uniform curriculum.

3.03 The KITE Centre, in collaboration with the Institution, will evolve changes to the curriculum at the undergraduate and graduate levels. The Institution agrees to incorporate these changes in their curriculum, following sanctioned local processes.

3.04 The Institution agrees to allow its faculty to participate in the process of new content development, resource generation and other knowledge repository creation activities initiated by KITE Centre. For this, faculty member from the Institution will be deputed for the period of the activity. The

Institution will grant timely leave for such activities, and the TEQIP cell coordinators of the Institution will interact closely with KITE Centre.

Term

4.01 This Memorandum will become effective on the date of its signing by both the parties and will continue for a period of five years, or till the period of funding under TEQIP grant – whichever is the earlier.

4.02 This Memorandum may be terminated by any party by giving 180 days written notice to coordinator / In-charge of NPIU and the other party.

Designation of Coordinators

5.01 Each party designates the following officials to serve as Coordinators under this Memorandum. Individuals designated as Coordinators may be changed by either party by giving written notice to the other party.

General

6.01 The KITE Centre, IIT Hyderabad and the Institution will work together to develop a viable and sustainable model for the financing of this collaboration.

6.02 All activities conducted under this Memorandum will be in accordance with all applicable rules and guidelines, as outlined under the TEQIP grant clauses.

In witness whereof the parties hereto have executed this Memorandum of Understanding on the date and year first mentioned above.

For Indian Institute of Technology Hyderabad

प्रोफेसर उ.बा. दसाई
निदेशक
Prof. U.B. Desai
Director
IIT Hyderabad

Director, 19/09/2014
Indian Institute of Technology Hyderabad

Date:

Witness:

Central Project Adviser
National Project Implementation Unit (NPIU)

Date: 30/9/14

For Madanapalle Institute of Technology & Science

Director / Principal

Date: 17.06.14

PRINCIPAL
Madanapalle Institute of Technology & Science
P.O. No: 14, Kadiri Road, Angallu
MADANAPALLE - 517 325, A.P.

Witness:

Coordinator/Faculty-In-Charge
Knowledge Incubation for Technical Education Centre,
Indian Institute of Technology Hyderabad

19/09/2014
Date:

Confederation of Indian Industry

Ministry of Human Resource Development
Government of India

NPIU

Regional Workshop
on Industry-Academia Collaboration for Greater National Employability
24-25 May 2013, Triple Helix Auditorium, Central Leather Research Institute, Chennai

EXPRESSION OF INTEREST

This expression of interest is to indicate that the organisations mentioned below have agreed to explore partnership possibilities as an outcome of the Regional Workshop on Industry-Academia Collaboration for Greater National Productivity held on 24-25 May 2013 at Triple Helix Auditorium, Central Leather Research Institute, Chennai.

Scope of activities agreed on:

- Curriculum design to enhance employability
- Research Initiations
- FDP Programmes

Approximate timelines:

- one year extendable upto five years

Coordinator from Industry: M. BALAJI / Tech. Director, 94432-34348, Frontline Electronics Pvt Ltd, Salem
fepslm@frontlinemail.com.

Coordinator from Institute: Mr. RAYUDU. P.

MADANAPALLE INSTITUTE of TECH & SCIENCE

MADANAPALLE, AP

Signature
(Industry)

M. BALAJI
25-05-2013

(V Card)

(FRONT LINE ELECTRONICS PVT Ltd)

Signature
(Institute)

25/05/13

(V Card)

Date: 25 May 2013
Place: CLRI, Chennai

CII
Confederation of Indian Industry

Ministry of Human Resource Development
Government of India

NPIU

Regional Workshop
on Industry-Academia Collaboration for Greater National Employability
24-25 May 2013, Triple Helix Auditorium, Central Leather Research Institute, Chennai

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Scope of activities agreed on:

Scope :- Curriculum design to enhance employability
- Assisting Internship
- Research Interactions

Approximate timelines:

Approximate timelines
- One Year

Coordinator from Industry:

Coordinator from Industry
Mr Yogesh, 9945622668, yogeshbochare2008@gmail.com
Altair Engineering.

Coordinator from Institute: Mr. RAYUDU. P.
MADANAPALLE INSTITUTE OF TECH & SCIENCE,
MADANAPALLE.

Signature
(Industry)

(V Card) (Mr YOGESH)
ALTAIR ENGINEERING

Signature
(Institute)

25/05/13

(V Card)

Date: 25 May 2013
Place: CLRI, Chennai

Confederation of Indian Industry

Ministry of Human Resource Development
Government of India

NPIU

Regional Workshop
on Industry-Academia Collaboration for Greater National Employability
24-25 May 2013, Triple Helix Auditorium, Central Leather Research Institute, Chennai

EXPRESSION OF INTEREST

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Scope of activities agreed on:

Research Initiations for Alternate Energy Exclusively for Increasing the Efficiency of CSP Solar Cells, MPPT Technology

Approximate timelines:

1 Year to 2 yrs.

Coordinator from Industry: S. Muthulakshmi
Kaizen Green Technology (P) Ltd.

Coordinator from Institute:

Signature
(Industry)

Signature
(Institute)

Signature 25/05/13

(V Card) admin@kaizengreentech.com

98408 39871

MADANAPALLE INSTITUTE OF TECH & SCIENCE, MADANAPALLE, A.P
(V Card)

Date: 25 May 2013
Place: CLRI, Chennai

Confederation of Indian Industry

Ministry of Human Resource Development
Government of India

NPIU

Regional Workshop
on Industry-Academia Collaboration for Greater National Employability

24-25 May 2013, Triple Helix Auditorium, Central Leather Research Institute, Chennai

EXPRESSION OF INTEREST

This expression of interest is to indicate that the organisations mentioned below have agreed to explore partnership possibilities as an outcome of the Regional Workshop on Industry-Academia Collaboration for Greater National Productivity held on 24-25 May 2013 at Triple Helix Auditorium, Central Leather Research Institute, Chennai.

Scope of activities agreed on:

- Curriculum design for ME, ECE, EEE, CSE to enhance its employability
- Research initiation & support
- Faculty development.

Approximate timelines:

- One year

Coordinator from Industry:

Dr. R. Vijayaraghavan, Managing Director
Vi-Microsystems Pvt Ltd

Coordinator from Institute:

Mr. RAYUDU. P.
MADANAPALLE INSTITUTE OF TECH & SCIENCE,
MADANAPALLE

Signature
(Industry)

25/5/13

(V Card)

(VI MICROSYSTEMS. PVT LTd)

Signature
(Institute)

25/05/13

(V Card)

Date: 25 May 2013
Place: CLRI, Chennai

Confederation of Indian Industry

Ministry of Human Resource Development
Government of India

NPIU

Regional Workshop
on Industry-Academia Collaboration for Greater National Employability
24-25 May 2013, Triple Helix Auditorium, Central Leather Research Institute, Chennai

EXPRESSION OF INTEREST

This expression of interest is to indicate that the organisations mentioned below have agreed to explore partnership possibilities as an outcome of the Regional Workshop on Industry-Academia Collaboration for Greater National Productivity held on 24-25 May 2013 at Triple Helix Auditorium, Central Leather Research Institute, Chennai.

Scope of activities agreed on:

- Social Collaboration with SEM-Portal
- → Providing effective Workplace.
- → Connection to accelerate ideation Process,
- → Messaging & Collaboration

Approximate timelines:

⇒ 10 months

Coordinator from Industry:

SURESH KUMAR S

KKM SOFT PVT LTD. – 9840335948 (SureshKumar.S@kkmsoft

Coordinator from Institute: Mr. RAYUDU.P.
MADANAPALLE INSTITUTE OF TECH & SCIENCE,
MADANAPALLE.

Signature
(Industry)

25/5/2013

(V. Card)

KKM SOFT PVT Ltd,
HYDERABAD.

Date: 25 May 2013
Place: CLRI, Chennai

Signature
(Institute)

25/5/13

(V Card)

Confederation of Indian Industry

Ministry of Human Resource Development
Government of India

NPIU

Regional Workshop
on Industry-Academia Collaboration for Greater National Employability

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Scope of activities agreed on:

1. Power Electronics and Drives.
2. Non Renewable energies.
3. Robotics.
4. Mechatronics

Approximate timelines:

1 years

Coordinator from Industry: C. Selvakumar Director

9840839873

Coordinator from Institute:

Signature
(Industry)
Labtech Electronics
43, Periyapuli chary
Kumaratur Road
Chennai-122
(V Card)

25/5/13
Signature
(Institute)
RAYUDU.P
MADANAPALLE INSTI TECH & SCIENCE
MADANAPALLE, A.P.
(V Card)
9160020740

Date: 25 May 2013
Place: CLRI, Chennai

ఆంధ్రప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH

24 JAN 2014

BE 810682

SYED HAFEEZ
LICENCED STAMP VENDOR
LIC No. 15/2013
R. No. 48/2014
H.No. 17-7-[illegible], Takiya Roshan
YAKUTPURA, HYD. A.P.
HYDERABAD. (SOUTH) DIST.
Phone : 09912222[illegible]

Memorandum of Understanding

This Memorandum of Understanding is made on this ~~22nd~~ 24th day of January 2014.

BETWEEN

Confederation of Indian Industry registered under the Societies Registration Act XXI, 1860 having its Principal office at 23 Institutional Area, Lodi Road, New Delhi -110003 (hereinafter referred as CII) which expression shall unless repugnant or contrary to the meaning and context thereof include its successors-in-interest and permitted assigns. CII works to create and sustain an environment conducive to the growth of industry in India, partnering industry and government alike through advisory and consultative processes.

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded over 118 years ago, India's premier business association has over 7100 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 90,000 enterprises from around 257 national and regional sectoral industry bodies.

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SPFU, TEQIP-II O/o. CTE A.P.,
6th Floor, BRKR Bhavan, HYD-63
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CONFEDERATION OF INDIAN INDUSTRY

The CII Theme for 2013-14 is Accelerating Economic Growth through Innovation, Transformation, Inclusion and Governance. Towards this, CII advocacy will accord top priority to stepping up the growth trajectory of the nation, while retaining a strong focus on accountability, transparency and measurement in the corporate and social eco-system, building a knowledge economy, and broad-basing development to help deliver the fruits of progress to all.

CII played a pioneering role in the skill development movement in India, recognising the fact that with limited natural resources and a burgeoning population, India's principal resource is its people.

AICTE and CII through their collaboration are striving to bring together the academia and Industry together for the overall benefit of technical education and all its stakeholders.

CII Andhra Pradesh State Office (which is under CII Southern Region) is represented through its Head at Hyderabad having its office at Plot No: 7, Regal House, Motilal Nehru Nagar, Begumpet, Hyderabad-500016

AND

State Project Advisor & Commissioner, Commissionerate of Technical Education, Government of Andhra Pradesh (hereinafter referred to as CTE) is entering into an MoU on behalf of 24 TEQIP-II institutions as mentioned in Annexure-I. The Department is having its registered office at 6th Floor, SPFU, BRKR Bhavan, Saifabad, Hyderabad.

The Department of Technical Education was established in G.O.Ms.No.1166, Education Department dated 5-6-1957 to bring about coordinated efforts for the development of Technical Education by pooling of Engineering Colleges from the Director of Public Instructions and the Polytechnics from the Department of Industries and Technical Examinations from the Commissioner of Government Examinations.

AFOREMENTIONED Parties hereinafter together shall be called as "Parties".

Objective:

WHEREAS the Parties to this Agreement have agreed to partner to strengthen the industry institute interface at the twenty four technical education institutes under TEQIP (Technical Education Quality Improvement Program) through continued support to the core components of Education viz Faculty, Students.

Duration

The project would be implemented between January-December 2014 with an option to extend up to March 2015.

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30/1/14.

Role & Responsibilities of the Parties:

The role and responsibility of CII:

1. Establishment of project monitoring committee under the Education & Skills Panel of CII, AP with Convenor, co-convenor of the panel, Head CII AP, two nominees from Department of technical education as members.
2. Scheduling of the events calendar in association with member colleges
3. Ensure the necessary branding support and proper visibility. The logo of department of technical education and host college logo would be placed on the banners.
4. Certification to all faculties who participate in the training programs.
5. Arrange competent technical faculty for the training sessions.
6. Quarterly review of the project progress and Submission of progress reports to Technical Education Department and to the colleges Management
7. Facilitating active involvement of the industry members of CII

The role and responsibility of Department of Technical Education:

1. To provide necessary guidance and support in smooth implementation of the project
2. To appoint one person in the department who would be point of contact for all initiatives related to this project.
3. Facilitate in smooth payment of the project fee by the colleges on receipt of respective claims from CII
4. Review project progress on quarterly basis and offer guidance

The role and responsibility Member Colleges:

1. All sessions and Faculty training programs would be organized at the member Colleges premises and the colleges to provide necessary infrastructure support.
2. Ensure active participation of the students and faculties in the programs
3. To appoint one person who would be point of contact for all initiatives
4. To provide necessary funds towards project fee and ensure timely payment of the fee

Project Deliverables

The project key deliverables would be:

I. Quality Improvement Programs- Technical Faculty:
   - Three training programs for faculty on technical skills and one training program on Pedagogy and Andragogy and facilitating skills.
   - Six Visits of the faculty to the industry to help in gaining exposure on latest technologies would be organized.

II. Quality Improvement Program - Administrative Staff & Lab Technicians:
   - One functional area Training for the technical staff and administrative staff of all in a year.

III. Enhanced Industry Interface
   - Two CEO/CXO Speak Sessions in each member college in a year.
   - One Career guidance session per quarter (This will be a regional session combining
   - 3-4 colleges from the nearby location and one college would be requested to host

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Ravan, HYD-63

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the event. The host college/ location will be decided based on the logistics convenience. Four Career guidance sessions would be organized in a year at mutually convenient location.

- Access to CII Webinars- Webinars would be focused on business trends, opportunities and challenges in employment scenario in various sectors.
- Provide necessary guidance and support strengthening Innovation and Entrepreneurship Development cell in the colleges
- Access to mycii.in, a huge knowledge source on taking CII Membership. To access this all colleges need to take CII membership separately.

IV Innovator Competition

- Organize a Competition identifying and showcasing the innovative ideas of graduate & post graduate students from engineering, and management streams among the member colleges.

VI. Roundtable Discussions on Industry Academia Connect

- Two regional level roundtable discussions would be organized on Industry Academia connect. The objective of the sessions is to bring Industry, Academia and Government on a common platform to discuss on latest business trends, employment scenario and the role of curriculum in the recent scenario etc. The sessions would be organized branch wise such as Civil, Mechanical, Electrical & Electronics, and Computer Sciences.

Programme Charges

The fees for the proposed programme as mentioned in the Project deliverables Point-I to VI would be invoiced INR 3,00,000 (Indian Rupee Three Lakh only)+ plus Service Tax as applicable per college per annum

The program fee would include:

S.No	Expenditure Heads
1	Round Table Discussions organizing cost : Venue, A/V, Food, IT arrangements etc.
2	Travel Cost- Trainers only
3	Manpower cost – Trainers fee
4	Administrative Expenses
5	Food and accommodation cost of the trainers
6	Incidental Expenses / overheads

Payment Terms

The fee to be payable in three equal installments on or before below mentioned dates

- First Installment: 25th of January 2014 — 15th February 2014
- Second Installment: 25th May 2014
- Third Installment: 25th November 2014

Along with TDS as applicable based on Govt. rules. An invoice would be sent to the colleges by Confederation of Indian Industry.

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Mode of Payment

The payment could be made through DD/ Cheque drawn in favour of **'Confederation of Indian Industry'.**

Mode of Communication

Any communication pertaining to the project implementation would be sent to all stakeholders i.e. Co-ordinator, State Project Facilitation Unit (SPFU), TEQIP-II, Department of Technical education, Government of Andhra Pradesh, Head, CII AP & Project Coordinator, CII AP, Principal & Project coordinators of the Member colleges as mentioned in the Annexure-II

Termination

- The present contractual agreement gives a written and contractual form to the will of both the parties to work together in mutual respect and trust
- If the interpretation or the implementation of the present contractual agreement gives rise to a difference of opinion between any parties, they will express their observations in writing and will meet to try to resolve the matter amicably.
- All changes accepted by all parties, to the implementation of the present contractual agreement will be subject of a written and signed amendment.
- If a solution is not found to the differences the present contractual agreement will be formally terminated at the end of two months period following it's annulment by any of the parties

Liabilities

All parties are entering into this specific task contract in good faith and intention. Neither party will be responsible for any liabilities arising out of death, injury in respect of nor any legal action arising out of the actions of persons associated with the operation of this task.

IN WITNESS WHEREOF the undersigned, being duly authorized thereto, have on behalf of the Parties hereto signed this Agreement at the place and on the day below written.

Signed:

For Commissionerate of Technical Education

STATE PROJECT ADVISOR
Commissioner of Technical Education
STATE PROJECT FACILITATION UNIT (TEQIP)
Govt. of A.P. BRKR Bhavan, Hyderabad-63. A.P.

Ajay Jain, IAS
State Project Advisor, TEIP-II &
Commissioner
Commissionerate of Technical Education
Hyderabad, Andhra Pradesh

30/11/2014

Date:

Read and Agreed:

For CII

Mahesh Natarajan
Regional Director
CII Southern Region

Annexure I

List of Colleges

S No	Institute Name
1	A.U College of Engineering, Visakhapatnam
2	JNTUH College of Engineering, Kukatpally, Hyderabad
3	JNTU College of Engineering, Kakinada
4	S V University College of Engineering, Tirupati
5	University College of Engineering, Osmania University, Hyderabad
6	University College of Technology, Osmania University, Hyderabad
7	GVP College of Engineering, Visakhapatnam
8	GITAM Institute of Technology, Visakhapatnam
9	Sreenidhi Inst of Science & Technology, Ghatkesar, Hyderabad
10	V.R Siddhartha Engineering College, Vijayawada
11	Aditya Institute of Technology & Mangement, Tekkali, Srikakulam
12	Anurag Engineering College, Ananthagiri, Kodad, Nalgonda
13	Aurora's Scientific Technological & Research Academy,Bandiaguda ,Hyderabad
14	Gokaraju Rangaraju Institute Of Engineering & Technology,Miyapur,Hyderabad
15	Madanapalle Institute Of Technology & Science,Madanapalle,Chittoor Dist.
16	Malla Reddy Engineering College,Maisammaguda,Hyderabad
~~17~~ 17.	~~Nizam Institute Of Engineering & Technology,Deshmkhi(V)Nalgonda Dist~~ Institute of Science & Technology, JNTU-H
18	Shri Vishnu Engineering College For Women,Bhimavaram,W.G.Dist
19	Sree Vidyanikethan Engeneering College,A.Rangampet,Chitoor Dist
20	Vasavi College Of Engineering,Hyderabad
21	VNR Vignana Jyothi Institute Of Engg & technology,Hyderabad
22	JNTUA College Of Engineering,Pulivendula,Kadapa Dist

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23	University College Of Engineering Kakatiya University,M.E.Complex, Kothagudem
24	Chaitanya Bharathi Institute of Technology, Hyderabad

Annexure-II

Contact Details

I. Department of Technical Education

S.No.	Contact person
1	Co-ordinator, State Project Facilitation Unit (SPFU), TEQIP-II, Department of Technical education, Government of Andhra Pradesh

II. Confederation of Indian Industry

S.No.	Contact person
1	Head, CII Andhra Pradesh
2	Co-ordinator, TEQIP Project, CII AP

III. Institutions

The principal and the project co-ordinator-TEQIP II are the contact persons from the institute. Detailed contacts of the designated persons as on the date of MoU Signing is mentioned below.

S.No.	Name & Address of the Instituitons	Name of the Principal/Coordinator	Mobile	Email id
1	JNTUA College of Engineering, Pulivendula	Prof. S.V. Satyanarayana	9000551427	principal.cep@jntua.ac.in
		Dr. G.S.S. Raju	7702333356	rajugss@yahoo.com
2	University College of Engg, Kakatiya University, Kothagudem	Prof. K.Showry	9291633286	principal_ku@yahoo.com
		Sri T.Jagan Mohan Raju	9985137137	er_tjmar@sity.com
3	Aditya Institute of Technology & Management, Tekkali	Dr. K.B. Madhu Sahu	9573580501/ 9440955587	kbmadhusahu@gmail.com
		Prof. V.V.Nageswara Rao	9440195534/ 9246657904	vvnrao64@gmail.com

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30/11/16

4	Anurag Engineering College, Kodad	Dr. M.V. Siva Prasad	9553122270	principal@anurag.ac.in
		Sri Y.V.R.Naga Pawan	9553122276	hod.it@anurag.ac.in
5	Aurora's Scientific Tech. & Research Academy, Hyderabad	Dr. G.Lakshminarayana	9393005466	dirastrabguda@gmail.com astrad9@gmail.com
		Smt. Srilatha	9866666696	deepuaurora@yahoo.com
6	Chaitanya Bharathi Institute of Technology, Hyderabad	Dr. B.Chennakesavarao	9866141821	principal@cbit.ac.in/ raobck@rediffmail.com
		Dr. N.V.Koteswar Rao	9848244879	hod_ece@cbit.ac.in
7	Gokaragu Rangaraju Inst of Engg & Tech, Hyderabad	Dr. Jandhyala N Murthy	9391184994	principal@griet.ac.in
		Dr. K.G.K.Murti	9848472081	kgk.murti@gmail.com
8	Madanapalle Institute of Tech & Science, Madanapalle	Prof. K.Sreenivasa Reddy	9849794277	mitsprincipal@gmail.com
		Dr. V.Ramachandra Prasad	9160020785	rcpmaths@gmail.com
9	Malla Reddy Engineering College, Hyderabad	Dr. S.Sudhakar Reddy	9348161125	mrec.2002@gmail.com
		Dr. P.Ramana murthy	9849520069	teqip.mrec@gmail.com
10	Shri Vishnu Engineering College for Women, Bhimavaram	Dr. G. Srinivasa Rao	9666832284	principal@svecw.edu.in
		Dr. Y.S.S.R.Murthy	8106111888	hodcse@svecw.edu.in
11	Sree Vidyanikethan Engg College, A.Rangampet, Tirupati	Dr. P.C.Krishnamachary	9160999961	svecp@vidyanikethan.edu/ svec_principal2005@yahoo.com
		Sri A.K.Damodaram	9160999960	damodar_online@yahoo.com
12	Vasavi College of Engineering, Hyderabad	Prof. I.V. Rao	9989133921	principal@staff.vce.ac.in
		Prof. G.V.Ramana Murthy	9985306522	hodmec@staff.vce.ac.in
13	VNR Vignana Jyothi Institute of Engg &Tech, Hyderabad	Dr. C.D.Naidu	9391008138	principal@vnrvjiet.ac.in
		Dr. B.N.M.Rao	9440499755	civilhead@vnrvjiet.ac.in
14	A.U. College of Engineering, Visakhapatnam	Prof. Ch.V.Ramachandra Murthy	9440389136	prof.chvrmurthy@sify.com
		Sri K.Ramji	9440670584	ramjidme@gmail.com
15	Institute of Sceince & Technology, JNTUH,	Dr. K . Mukkanti	9963909007	kmukkanti@yahoo.com

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6th Floor, BRKR Bhavan, HYD-63

30/1/14.

MEMORANDUM OF UNDERSTANDING

BETWEEN

MADANAPALLI INSTITUTE TECHNOLOGY & SCIENCE, MADANAPALLE

AND

SSS CADD CENTRE, TIRUPATI

MEMORANDUM OF UNDERSTANDING

Training Program on Mechanical CAD
Responsibilities, Terms and conditions

The Memorandum of Understanding signed between Madanapalli Institute of Technology & Science, Madanapalli and SSS CADD Centre, Tirupati specifies that SSS CADD Centre shall conduct a training program on Mechanical CADD for the benefit of Mechanical Engineering students at the College Premises. The following shall be the responsibilities, terms and conditions.

1. **CADD Centre**
   a. Shall conduct training program on Diploma in Mechanical CADD using AutoCAD & Pro/E wild fire software
   b. Shall arrange instructors for the program
   c. Shall provide course material to each participant
   d. Shall provide course completion certificate after completion of course
   e. Shall provide all relevant support for conducting the specified training program

2. **Madanapalli Institute of Technology & Science,**
   a. Shall provide class room facilities for the training program
   b. Shall provide computer facilities with supporting staff at the college campus for student practices
   c. Shall provide class room with computer & LCD for on line class
   d. Shall provide relevant and reasonable support for conducting the program

3. **Training Program Fee**
   The course fee for each participant from the college will be Rs.5000/-, which is about 60% of the regular charged to open students.

4. **Program Details**
   The training program is a Mechanical CADD course using AutoCAD & Pro/E. The participants are expected to acquire reasonable proficiency in drafting and design skills at the end of the program. The program duration is 100 hours including theory and practice. The program classes timing can be decided on mutual acceptable basis.

We agree in principle to the terms and conditions set to conduct the training.

K. Bhaskar Naidu

Sri. K.Bhaskar Naidu
Centre Head
SSS CADD Centre,
Tirupati
Date: 22.7.08

Represented by Dr. N.Srinivasulu
Principal
Madanapalli Institute of Technology & Science
Madanapalli
Date: 25.7.08

Principal
Madanapalli Institute of Technology & science
MADANAPALLE

✆ 08571 - 280255, 280706
Fax : 08571 - 280433

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

AN ENGINEERING COLLEGE SPONSORED BY :
RATAKONDA RANGA REDDY EDUCATIONAL ACADEMY
Approved by AICTE, New Delhi and Affiliated to JNTU, Anantapur.
P.B. No. 14, Angallu, MADANAPALLE - 517 325. Chittoor Dist. A.P.
www.mits.edu, www.mits.ac.in

Ref. No.

Date : 20.7.13

MEMORANDUM OF UNDERSTANDING / AGREEMENT

This Memorandum of Understanding (MOU) is made on this day, the **20-07-2013** between **Madanapalle Institute of Technology & science** and **Kruthi Computer Services Pvt Ltd.**

Purpose and Objective

1. The purpose of this MOU is to provide Under Graduate students with Training & Certification on Autodesk 2D & 3D Design Technology as per syllabus prescribed by Autodesk under Autodesk Academic Adoption Program – A3P program.
2. This MOU would facilitate to organize the workshops and provide Value added software training to all the students.
3. To impart the 2D and 3D design skills using the Building Information Modeling & Digital Prototyping.

Benefits to the students offered by Kruthi Computers

1. Autodesk Certified & Industry experienced Trainer will be handling the training
2. Project based Training will be provided.
3. FREE Software license and membership in Autodesk student community to all students for Autodesk software.
4. Project guidance would be provided for final year candidates.
5. Placement guidance, assistance & Internship opportunities will be provided for eligible candidates.

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Fax : 08571 - 280433

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www.mits.edu, www.mits.ac.in

Ref. No.

Date : 20.7.13

Benefits to the College

1. Autodesk will endeavor to provide design software to set up an **AUTODESK DESIGN LAB** for learning Design, simulation & visualization. **[125 licenses of Autodesk Master Suite / department]**
2. **The College** will be granted to get the Autodesk Educational software license, being taken a long term initiative and effort to develop the knowledge and skills of the Autodesk Technology for the faculties and students. This MOU with the institution is a continued effort to develop professionals and the young graduates to gain the knowledge and experience the current industry trends as per the current industry requirement and to learn to experiment for their future growth.
3. **Free Software* and Learning tools for Faculty Members** - Autodesk through its "Education Community" portal can address technology access by providing faculty members with software and e- learning material for their personal self- paced learning. Faculty members can access Education Community portal and register to get access to the software, a wealth of information and networking opportunities.
4. Batches are conducted at the college lab at mutually agreed convenient days and time.
5. FREE software license for all the faculty members and students of the Department.

Terms and conditions

1. The Training & Certifications for the students will be delivered by Kruthi Computers by providing specialized and Autodesk Certified Instructors.
2. The training shall be conducted at your college premises located at Madanapalle on chargeable basis at a subsidized cost.

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Fax : 08571 - 280433

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www.mits.edu, www.mits.ac.in

Ref. No.

Date : 20.7.13

3. The College shall provide suitable classrooms and required number of computers and other infrastructure to train the students.
4. All the trainers provided under this Agreement shall at all times remain the employees of the Service Provider. The Customer shall not, during the term of this Agreement and for a period of 24 months from the date of termination or expiration of this Agreement, either directly or indirectly, solicit, induce, recruit or encourage any of the Service Provider's Trainers or employees (including Trainer or employees who have left Service Provider subsequent to the training provided by the Service Provider to the Customer) to leave their employment, or take away such employees, or attempt to solicit, induce, recruit, encourage or take away employees of Service Provider, either for the Customer or for any other person or entity.

MOU Effective Date

This MOU shall be in force for a period of **Three years** from the date of signing and will be renewed / refreshed on mutually agreed terms and conditions.

This Memorandum of Understanding shall be effective from the date of signing by both parties.

This Memorandum of Understanding is made this 20-07-2013

Designated Representatives

Madanapalle Institute of Technology & science

20/7/13

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

Kruthi Computer Services Pvt Ltd

For **Kruthi Computer Services Pvt. Ltd.**

~~Director/Authorised Signatory~~

MEMORANDUM OF UNDERSTANDING

To achieve the objectives of TEQIP – IIIC of MITS, the college proposed for the student beneficial programs to M/s Enamax Engineering (India) Pvt Ltd. (EIPL), As the program suggests to make better engineers for country, M/s Madanapalle Institute Of Technology & science(MITS) generously agreed to extend their support for the proposals proposed by MITS, which are mutual beneficial.

This memorandum of understanding between **EIPL,** Hyderabad and **MITS,** Madanapalle is prepared and signed on 04th September 2012.

EIPL Proposes the following points:

EIPL would propose the curriculum for the MITS Mechanical Engineering students to improve their employable skills.

EIPL would propose the trainings in power plant equipment such as boilers(W H Boilers, AFBC, CFBC), Heat exchangers, condensers and deaerators.

EIPL also proposes to improve the awareness of MITS staff and students on the usage of waste heat recovery systems which includes WH Boilers, Economizers, Super heaters etc in process Industries such as Sulphuric Acid plants, Ammonia Plants, Nitrogen Plants, Sponge Iron Industries, Cement plants, sugar Industries etc.

EIPL also proposing the short term inhouse training for the MITS students. The selection of students would be on EIPL proposed terms.

On successful training the students would be suitable for employment with Thermax, BHEL, Thermal systems, Alstom, Siemens etc.

This trainings would not assure any placement with the EIPL.

MITS proposes the points listed below:

MITS proposes to extend and support required resources for all the trainings proposed by EIPL.

MITS would extend its support to analyse the Industrial problems faced by the Industry and to identify the solution for the problem by using MITS research facilities & research personnel.

MITS also proposing to under take the projects on calculating the standard times for the activities of EIPL shop floor with the help of final year Mechanical Engineering students.

MITS also would extend its support for the EIPL staff to improve their technical (academic sense) and soft skills.

for **Madanapalle Institute Of Technology & Science**

Principal

for **Enmax Engineering (I) Pv t Ltd.**

Director

ENMAX ENGINEERING (INDIA) PVT. LTD. Hyderabad

Enmax Engineering (India) Private Limited
Survey # 15, Suraram , Qutbullapur (Mandal),
Rangareddy (Dt), Hyderabad - 500 055. INDIA
Tel : +91 40 6455 5628 / 29 Fax.: +91 40 2316 0103
e-mail: info@enmaxindia.com, URL: www.enmaxindia.com

Confederation of Indian Industry

Ministry of Human Resource Development
Government of India

NPIU

Regional Workshop
on Industry-Academia Collaboration for Greater National Employability
24-25 May 2013, Triple Helix Auditorium, Central Leather Research Institute, Chennai

EXPRESSION OF INTEREST

This expression of interest is to indicate that the organisations mentioned below have agreed to explore partnership possibilities as an outcome of the Regional Workshop on Industry-Academia Collaboration for Greater National Productivity held on 24-25 May 2013 at Triple Helix Auditorium, Central Leather Research Institute, Chennai.

Scope of activities agreed on:

- Add-on Program on HSE to enhance employability of Students
- Awareness program on HSE

Approximate timelines:

- one year

Coordinator from Industry: Jayanthi. G. Shankar
NIST Institute Pvt Ltd
Chennai

V.Malini, ITS
General Manager (HR / Admin),
O/o Principal General Manager,
Bangalore Telecom District,
Telephone House, Raj Bhavan Road,
Bangalore – 560 001, Ph: 080 22865577

भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

BSNL 3G)))) BSNL LIVE 2010

07.02.2013

To

The Principal,
Madanapalle Institute of Technology & Science,
Madanapalle.

Dear Sir,

It gives great pleasure in learning about the initiatives the institute is pursuing in improving the quality of education imparted to the young graduates through sustained efforts. Bharat Sanchar Nigam Limited, BSNL, is in the field of Telecom for the last 150 years and has extensive experience in providing a wide galore of telecom service from voice telephony to high speed data service on varied platforms. We have an established Telecom Training Centre imparting telecom training, internship programs, project works faculty development program to telecom students and faculty from engineering colleges. It is understood that you have initiated similar events in your college. BSNL, Bangalore would indeed be very happy to partner with you and explore the possibilities of enhancing your endeavors.

With Best Regards

V. M 7/2/13

(V.Malini)
General Manager (Hr / Admin)
BGTD

ISO 9001 2000
CERTIFIED

राष्ट्रीय वांतरिक्ष प्रयोगशालाएं
पोस्ट बैग नं. 1779, बेंगलूर – 560 017, भारत
National Aerospace Laboratories
Post Bag No.1779, Bangalore - 560 017, India

NAL/MT/KV/MITS/2013

February 6, 2013

Dr. K. Venkateswarlu
Principal Scientist, Material Science Division

To
The Principal
Madanapalle Institute of Technology & Science
Madanapalle – 515002
Fax: 08571 280433

Sub: Providing technical expertise and support for a proposal AICTE – Reg.

Dear Sir,

I am happy to note that you are applying for a R&D research proposal and Faculty development programme to AICTE. Since we have excellent facilities, we wish to extend our scientific and technical support. For any other support and help, please feel free to contact me karodi2002@yahoo.co.in

With best regards,

Yours Faithfully,

6/2/13

(K. Venkateswarlu)
Dr. K. VENKATESWARLU
Scientist, Materials Science Division
National Aerospace Laboratories
Post Bag No.1779, Bangalore-560 017

Pushkala

Date: 06-02-2013

Dr. K Sreenivas Reddy
Principal
Madanapalle Institute of Technology & Science
Madanapalle - 515002

Dear Sir,

Subject: Collaboration to conduct joint training and research programs.

In continuation to our discussions that we had on the above subject, I wish to inform you that our organisation is interested to carryout research, training programs and related activities with your esteemed institute.

Our organisation is involved with various academic institutions in supporting training and research programs. We are keen to help young engineers to understand the industry standards and requirements. We look forward to work together.

Thanking you,

With Warm Regards

Raghuram S
Chief Managing Director

Pushkala Technologies Private Limited, #38, "Shreekanta, West Anjaneya Temple Street, Basavanagudi 560004, Phone: 080 41609003, email: trainings@pushkala.in / www.pushkala.in

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This Memorandum of Understanding (MoU) entered into on the 26th day of the month of June in the year 2013

Between

National Association of Software and Service Companies (NASSCOM) having its head office at the International Youth Center, Teen Murti Marg, Chanakyapuri, New Delhi – 110021, India

STATE PROJECT ADVISOR &
COMMISSIONER OF TECHNICAL EDUCATION
SPEU-TEQIP-II O/o. CTE A.P.,
5th Floor, BRKR Bhavan, HYD-63

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1. The authenticity of this Stamp Certificate should be verified at Authorised Collection Centers (ACCs), SHCIL Offices and Sub-registrar Offices (SROs).
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(hereinafter called "NASSCOM"), represented by President NASSCOM / Executive Director IT-ITeS Sector Skills Council NASSCOM' which expression shall, where the context so admits, be deemed to include its successors, executors and administrators of the ONE PART

And

Department of Technical Education (through TEQIP), Government of Andhra Pradesh represented by State Project Advisor / Commissioner of Technical Education (hereinafter referred to as SPA/CTE), which expression shall include its representatives, successors and assignees of the OTHER PART

***

NASSCOM, through its Education & Skill Development Initiatives, works with its industry members and select academic institutions to help improve the quality and quantity of the employable workforce available to this industry. In this regard various short, medium and long term projects are undertaken to meet this objective.

IT-ITeS Sector Skills Council NASSCOM (SSC NASSCOMs an integral part of NASSCOM. SSC NASSCOM, the skill standard setting body of the IT-ITeS Industry, is the education & skill development initiative of NASSCOM; works with its industry members and select academic and skill development institutions to help improve the quality and quantity of the employable workforce available to this industry. In this regard there are various short, medium and long term projects undertaken to meet this objective. The initiative detailed hereunder, is one of them

SPA/CTE and NASSCOM will hence forth be referred to as the 'Parties'.

THE MoU WITNESSED AND THE PARTIES HERETO AGREE AS FOLLOWS:

1. **Objective of the MoU**
   (a) Increase the employability of students in the state of Andhra Pradesh by introducing the industry developed basic skills program called the Foundation Skills in IT (FSIT).
   (b) Help facilitate a sustainable Faculty Development Program.
   (c) Facilitate teaching-learning support for pursuance of the said course/s to enhance student employability.
   (d) Recommend FSIT courseware, certain books, e-tools, e-content and websites to support the self paced learning for students (if available).
   (e) Introduce the employment skill assessment/metric NAC-Tech, for students at the entry level, in conjunction with FSIT, as Diagnostic and Final, to analyse the efficacy of the multiple skill development programs in IT.
   (f) Introduce the employment skill assessment/metric NAC-Tech, for students from identified engineering colleges in Andhra Pradesh, as a standalone, to facilitate employment at the entry level

2. **Period of MoU**
   This MoU shall come into force on June 26, 2013 and will be valid for one year, and is open to mutual revision and annual renewal.

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(c) Facilitate selection of faculty from colleges and Third Party Training Providers, if required.
(d) Facilitate the training of Master Trainers from Third Party Training Providers and from colleges on FSIT, by trainers from the FSIT Council.
(e) Facilitate the conduct of a state-wide NAC-Tech Diagnostic for students through the NASSCOM Test Provider for the region.
(f) Facilitate conduct of NAC-Tech Final for the students trained at selected colleges.
(g) Enable assessment analysis, both for Diagnostic and the Final tests and as a comparison.

4. Responsibility of the SPA/CTE

(a) Select 25 (24) colleges for Phase I of this project.
(b) Identify a total of 7,500 students from the 25 colleges identified to undergo the FSIT Cycle – i.e. FSIT training and NAC-Tech.
(c) Facilitate NAC-Tech Diagnostic, at cost, for a larger student target audience in the state of Andhra Pradesh.
(d) Select Third Party Training Providers, jointly with NASSCOM, for the FSIT program as per selection criteria and process defined by NASSCOM.
(e) Select upto two faculty identified from the colleges to be trained by NASSCOM (through the FSIT Council).
(f) Select faculty from the 25 (24) identified colleges (SPA/CTE to screen such faculty based on certain selection parameters prescribed by NASSCOM), who will be trained on the FSIT program along with the faculty from the Third Party Provider, so that they can handhold students during the Phase I.
(g) NASSCOM to share the guidelines on awareness / promotion material & any other related material specific to other States (for reference) regarding the program with SPA/CTE. SPA/CTE would use this material to promote FSIT amongst target educational institutes.
(h) Sign an MoU with the identified Third Party Training Provider for the execution of the FSIT program.
(i) Organise the logistics and facilitate the Third Party Training Providers for the FSIT program towards:
    a. Faculty development
    b. Student training

    This will also include boarding & lodging, local travel for industry trainers for FDP program.
(j) Provide funds for faculty and student training and the subsequent student assessments for the Government technical institutions.
(k) NASSCOM & SPA/CTE to jointly own up database of trained resources through, which would be shared with all NASSCOM members (including the ones who have provided their concurrence towards recognizing the program). Intent would be to increase the scope of employment opportunities.

SPA/CTE may choose to charge the students the training fee to compensate for the cost of conducting the program.

Process:

Part-A:-

(a) A 'Working Group', to be formed by SPA/CTE, comprising of members form SPA/CTE, Academia and Industry/NASSCOM's Regional Council in Andhra Pradesh.
(b) The Group shall identify the following:
    a. 25 (24) colleges to be taken up for Phase I of the project
    b. 7,500 students from the above identified colleges, for this project
    c. Selection of Third Party Training Providers

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Key Features

Action	Pre-Training Test	Training	Post-Training Test	Employment Facilitation
Tool	NAC-Tech Diagnostic	FSIT Program	NAC-Tech Final	Employment Portal
Outcome	Identify trainable students at different levels.	Participation certificate (with 100% attendance)	Performance as per industry benchmarks for employment	Facilitation of employment for deserving candidates

- Eligibility – Pre-Final year Engineering undergraduates for Phase I of the project
- Master Training: Industry Trainer to Master Trainers ratio- 1:25
- Teacher-Student ratio per batch – 1:30

5. Responsibility of NASSCOM Test Provider (Detailed in Annexure -1)

NASSCOM Test provider for NAC-Tech shall conduct NAC-Tech Diagnostic as well as NAC-Tech Final for the students identified for the pilot project at cost.

PO between SPA/CTE and Test Provider or an MoU between SPA/CTE and NASSCOM shall be signed for each of the tests.

SPA/CTE will use NAC-Tech as appropriately to measure the impact of skill transference and help students to be employed reaching out to the IT Industry.

Process

NASSCOM Test Provider shall:

(a) Validate the test center (colleges) for the infrastructure requirement for the conduct of the test
(b) Deal with the college for issuance of Purchase Order (PO) and fee for the conduct of the tests (both Diagnostic and Final) (as directed by the SPA/CTE)
(c) Provide instant scores post the tests
(d) Provide Analysis of the score per college and for the set of 1,000 students

6. Placement

NASSCOM partner companies (i.e. NASSCOM Regional Council supporting this project) shall have the first right to offer employment to the candidates at any time during or after completion of the course concerned.

NASSCOM & SPA/CTE jointly own database of trained resources through, which would be shared with all NASSCOM members (including the ones who have provided their concurrence towards recognizing the program). Intent would be to increase the scope of employment opportunities.

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13. Force Majeure

(a) Notwithstanding anything contained elsewhere in the contract, the parties shall not be liable for liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure

(b) For purposes of this Clause, "Force Majeure" means an event beyond the control of parties and not involving parties and not involving fault or negligence not foreseeable by or beyond the control of parties. Events also include wars or rebellion, strikes, fires, floods, epidemics, quarantine restrictions and freight embargoes etc.

(c) If a Force Majeure situation arises, either Party shall promptly notify the other in writing of such conditions and the cause thereof. Unless otherwise directed by SPA/CTE in writing, NASSCOM shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. SPA/CTE or NASSCOM can opt out of this MoU on mutually agreeable terms and conditions in writing, as the case may be, prompted by a Force Majeure.

This MOU is prepared as two originals (one for NASSCOM and one for the SPA/CTE and comes into force on the day when both Parties have signed it.

For SPA/CTE

Signature: .....

Name: .....

Designation.....

Address: .....

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6th Floor, BRKR Bhavan, HYD-63.

Witness

Signature: .....

Name...Trs. Mamkya Prasky

Designation: Head Procurement

Address: ...SPFU.....

For NASSCOM

Signature: .....

Name...Dr SANDHYA GUPTA

Designation: Exe. DIRECTOR SSC NASSCOM

Address: ...SSC NASSCOM N.DELHI

Seal NASSCOM

Witness

Signature: .....

Name.....AVNEET BAJAJ

Designation: DEPUTY DIRECTOR

Address: .....SSC NASSCOM NEW DELHI

14.			
15.			
16			

For SPA/CTE

Signature: _____

Name: _____

Designation: _____

Date: _____

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26/6/2013

For NASSCOM:

Signature: _____

Name: _____

Designation: _____

Date: _____

(B) NAC-Tech Matrix

Part A

S. No.	Skill	Duration (mins)
1	Verbal Ability	20
2	Reading Comprehension	10
3	Analytical Ability, Logical Reasoning	25
	Attention to Detail	5
	Total Duration	60

Part B

S. No.	Skill	Duration (mins)
1	IT	30
2	Electrical Engineering	30
3	Electronics Engineering	30
4	Mechanical Engineering	30
5	Civil Engineering	30
6	Chemical Engineering	30
7	Textile Engineering	30
8	Bio-Technology Engineering	30
9	Telecommunications Engineering	30
	Total Duration	30

(C) Score Reporting:

All relevant information required to hire a NAC-Tech candidate will be available along with the score against each skill/component, as raw scores and also as a percentage.

4. **(A)Scope of Deliverables by the Second Party**

As defined in this proposal the Second Party hereby has agreed to the following undersigned:

Activity
Student Registration and Venue Identification for the NAC-Tech
The Second Party has the total responsibility of identifying the students to be registered and ensuring the online NAC-Tech registration for the same as per First Party specifications. The authenticity and reliability of the information entered in the **registration forms** by the students is the sole responsibility of the student concerned and the Second Party. The NAC-Tech Test Centers with the requisite infrastructure for the administration of the NAC-Tech test is to be identified by the Second Party and made available to the First Party for validation
Promotion and Sensitization Meetings
Provide ***all teams*** from all over the State to be trained only in one location by the First Party for the conduct of further 'Sensitization' meetings required

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5. **Standards of Performance**

a. The First Party shall carry out the tasks agreed upon and carry out its obligations under the agreement with due diligence, efficiency and economy in accordance with generally accepted norms, techniques and practices used in the industry.

b. The First Party shall always act in respect of any matter relating to this agreement, as faithful advisors to the Second Party and shall, at all times, support and safeguard the Second Party's legitimate interests in any dealings with a third party.

6. **Fee Payable for the NAC-Tech Project and terms of payment.**

The Second Party will make all efforts to get the students to undertake the NAC-Tech test:-.

The students would be tested in the **financial year 2013-14** only. The constituent student population would be students undergoing the FSIT program, as per this MoU.

Rs 158/- for Part A
Rs 237/- for Part A+B

Financials for a sample set of students for Part A only :

No of Students		1,000	
Project Activity NAc-Tech Final	**No of Students**	**Standard Rates (Unit Cost x 1,000) In Rs**	**Net Total Amount for 1,000 Students In Rs**
Total Deliverables as indicated in the Scope of Work	1,000	@158 Part A	
		158 X 1,000= 158,000	158,000
Total Cost		**158,000**	**158,000**

Part B is optional @ Rs 79 per student, which is additional and is dependent on the number who opt for it. .

Except for the invoices forwarded by the First party to the Second Party, no ***bills/statements*** *of expenditure will be provided for all or any of the above financials indicated.*

The total amount payable to the First Party by the Second Party for the Part A NAC-Tech test, for an anticipated total of **1,000 students is Rs.1,58,000** (Rupees One Lakh Fifty Eight Thousand Only).

Taxes, under various statutes i.e. 'Service tax' and others if any will be borne by the Second Party, in addition to the charges as indicated

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7. **Acceptance of Deliverables**

Any Deliverable(s) provided to the Second Party shall be deemed to have been accepted if the Second Party puts such Deliverable(s) to use or does not communicate its disapproval of such Deliverable(s) together with reasons for such disapproval within 1 week from the date of submission of such Deliverable(s).

8. **Change to Services**

Either party may request a change order ("Change Order") in the event of actual or anticipated change(s) to the agreed Scope and Deliverables, The First Party will prepare a Change Order/Amendment reflecting the proposed changes, including the impact on the deliverables, schedule, and fee for formal concurrence and acceptance by the Second Party. In the absence of a signed Change Order, the First Party shall not be bound to perform any additional services on oral communication. Any change to the existing terms and conditions present in the current MOA will be done only if mutually agreed upon.

9. **Non Disclosure**

The First Party shall not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract or the Second Party's business or operations without the prior written consent of the Second Party unless it is required to disclose under any law in this country .

10. **Information and Access**

The Second Party will supply the First Party with the following free of charge:

- **Information,**
- **Documentation and**
- **Data,**

in a timely manner as and when required by the First Party to complete its obligations and to ensure completion of the deliverables agreed upon.

11. **Intellectual Property Rights**

The intellectual property rights existing now or during the course of the pilot NAC-Tech Project with the First Party and the Second Party in all its presentations/ training materials, computer programs, documentation of **test content material in all formats**, test administration software, project analysis and outcomes and other materials as well as in any method, invention, discovery, design, or concept to the extent solely conceived or developed by that Party shall belong to and be the absolute property of the First Party. Subject to the payment of all fees and **expenses** due to the First Party for the pilot NAC-Tech Project, the First Party will share with the Second Party; the data related to the candidates who appear for NAC-Tech test. Except as stated herein, none of the Parties shall claim rights referring to any products, materials or methodologies proprietary to any of the other Parties or a Third Party used by the other Party in performance of the project or proprietary materials or methodologies produced by any of the other Parties which are not part of the deliverables, under the project and which is not the result arising out of and in connection of the project. **Any financial repercussions arising out of the proven infringement of Intellectual property rights related to all aspects of the NAC-Tech will be born by solely the Second Party including the establishment of the appropriateness and accuracy of the infringement.**

12. **Termination**

a. Either party may, without cause, terminate any Statement of Work and/or the entire contract upon written notice of one (1) month to the other.

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b. For purposes of this Clause, "Force Majeure" means an event beyond the control of the First Party and not involving the parties and not involving the parties fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the either parties in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

c. If a Force Majeure situation arises, the parties shall promptly notify the Other Party in writing of such conditions and the cause thereof. Unless otherwise directed by the Second Party in writing, the First Party shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. The Second Party may terminate this contract, by giving a written notice of a minimum 30 days to the First Party, if as a result of Force Majeure, the First Party is unable to perform a material portion of the services for a period of more than 60 days.

17. Use of Contract Documents and Information

a. The First Party shall not, without the Second Party's prior written consent, disclose the contract or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Second Party in connection therewith to any person other than a person employed by the First Party or by its member organizations whose services the First Party may employ in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

b. The First Party shall not without the Second Party's prior written consent, make use of any document or information. However the First Party and its member organizations whose services the First Party may use to perform this contract can use this case as a reference whenever required.

18. Lead Time

Unless terminated earlier this contract would be valid from the date of signing of the MoA till completion of all activities as mentioned under the scope of work, in the financial year 2013-14 (NAC-Tech Diagnostic) / 2013-14 (NAC-Tech Final).

19. Dispute Resolution

If any dispute arises between the parties hereto during the subsistence of this agreement or thereafter, in connection with the validity, existence, interpretation, implementation or alleged material breach of any provisions of this agreement, both the Parties shall hereby endeavour to settle such disputes amicably. If the Parties fail to bring about an amicable settlement within a period of 30 (thirty) days, either Party to the dispute may give 10 (ten) days notice of invocation of the arbitration provisions. The Arbitration proceedings shall be conducted in accordance with the provisions the Indian Arbitration & Conciliation Act, 1996 and any modification thereof from time to time. The place of arbitration shall be in Chandigarh. The language of the Arbitration proceedings shall be in the English Language and the decision of the Arbitrator, a mutually agreed upon individual shall be final.

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Action Plan
NASSCOM Assessment of Competence-Technology (NAC -Tech)
..... and NASSCOM

Date: 2013

SINo	Action Point	Schedule	Details–(as discussed and agreed)
1.	**NAC-Tech Action Plan discussed and developed**		
2.	**Draft MOA concurrence**		The Draft will be prepared in duplicate by NASSCOM and signed by the Second Party and forwarded to the NASSCOM President for signatures
3.	**NAC-Tech MOA signed**		The 's will be exchanged on this date to formalize the same
4.	**Release of the first 50%payment**		Cheque /DD in favor of NASSCOM
5.	**Sensitisation meetings for the NAC-Tech**		One session of sensitization meeting with the Principals / Faculty of colleges
6.	**The Second Party logo forwarded to NASSCOM to be published on the NAC-Tech website**		
7.	**Identified Test Centres' info forwarded to NASSCOM.** **Checking the infrastructure in the Test Centres by trialling the test engine**		Proposed Test Centre info to reach NASSCOM by ..... Proposed center verified by the NASSCOM Test provider and confirmation report to reach NASSCOM by ..... *Clarity on **number** of 'proposed test center(s)' must be obtained well in advance so that 'center validation' by NASSCOM test provider can be scheduled accordingly.*
8.	**User ID and Passwords forwarded to the Second Party SPOC by NASSCOM**		The log-in details (user ID/password) are to be used by candidates in order to register online for NAC-Tech. No one without 'online registration' will be allowed to take the test.
9.	**NAC-Tech Activity, Online registration for students starts**		The Second Party to facilitate the process at all identified colleges. Students from respective colleges identified for the respective authorized Test Centers must apply via the NASSCOM website. Online registration process will be as follows: a. Validated test center details are uploaded on NASSCOM registration portal (along with number of seats available per centre and the number of batches to be run at each test centre) b. Only after this, candidates go to NASSCOM portal for registration and are asked to choose the test centre from the list available in the reg. form c. Seats will be allocated on 'first come first served' basis d. Post exhaustion of all seats/all batches at one center, candidates will not be allowed to choose that centre anymore and will have to select any other test centre

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ADDENDUM

INFRASTRUCTURE REQUIREMENT AT TEST CENTERS & CANDIDATE ELIGIBILITY-NAC-TECH

Infrastructure requirements for conducting NAC-Tech Diagnostic / Final

Minimum Configuration for NACTECH2.0 Tests

Description	Client PC (Test Taking PC) (with a Monitor, Mouse & Keyboard)
Operating System	Windows® XP SP3+, or 7
CPU	Pentium® IV and higher
RAM	1GB RAM and above
HDD	At least 500 MB free disk space
Web browser:	Internet Explorer 6.0, 7.0 or 8.0
Broadband Internet connection	E1 with a bandwidth of at least 1Mbps or Shared DSL or cable with a bandwidth of at least 2 Mbps for 25-30 users
Sound Card with necessary audio and video drivers	Yes (Should support recording & playback capabilities) – OPTIONAL
Headset with Microphone	Headset with a USB headset is strongly recommended – OPTIONAL
Java Scripts	JRE 1.6 (Enabled in the browser)
Adobe Flash Player 10.0	Yes
UPS (assuming that generator will be used during power failure)	2 Hours Battery Backup
Generator (may be used for 8 hours or more if needed)	Yes
CD-ROM Drive	OPTIONAL
USB Ports	OPTIONAL
Antivirus	Yes
Screen resolution	1024 x 768 pixels
Laser PRINTER	1 for every 30 machines
• Network security access to allow http://202.138.124.234/Nactech2 (port 80)	
• Disable pop-up blocker on all machines	

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26/6/2017

ANNEXURE-III

Skill Enhancement Programs

Add-on training programs for students aspiring to join the IT/ Engineering industry.

FSIT (Foundation Skills in IT)
Duration: 75-hours, followed by 60 hours of Tutorials + Practicals
Modules covered:
Industry Awareness
Technology Fundamentals
Technology Additional
Business Communication
Campus to Corporate
Problem Solving and Creativity
Group Dynamics
Project Management

Companies who have developed the program:

Accenture, Cognizant, HCL, Infosys, Microsoft, PMI, TCS and Wipro (Mission 10X)

For more information, please reach us at nactech@nasscom.in

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Annexure – V

Instructor Profile for the Foundation Skills in IT

Instructor Profile (E) – Essential / (D) – Desirable
• Bachelors or Masters Degree in any branch of Engineering / Technology, preferably CS / IT / MCA departments for technical modules. (E) • 3 - 6 years of teaching experience. (E) • Any experience with IT Industry (D) • Highly articulate and skilled facilitator able to motivate adult learners (E) • Familiarity with adult learning theory and instructional methods (D) • Exceptional command of written English with an emphasis on the principles of clear, succinct, focused business communication (E) • Ability to coach and mentor adult learners and monitor progress (E) • Ability to implement a formal curriculum, follow lesson plans and adhere to established instructional standards (E) • Exceptional time management, prioritization, and critical thinking skills (D) • Familiarity with grammar, usage and stylistic differences between Indian English and Global English, as well as standards of business English (writing and speaking) (E) • Must have excellent diagnostic and problem-solving skills (D) • Ability to check sentences for subject/verb agreement errors, sentence syntax, tone, word choice, usage and punctuation (E) • Instructional design/curriculum development background, desirable (D)

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