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Madanapalle Institute of Technology & Science



ANNUAL QUALITY ASSURANCE REPORT

(July 2017 – June 2018)



Madanapalle Institute of Technology & Science
(Affiliated to JNTUA, Ananthapuramu and Approved by AICTE, New Delhi)
Post Box No: 14, Kadiri Road, Angallu (V), Madanapalle-517325
Chittoor District, Andhra Pradesh
Web: www.mits.ac.in

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
1.2 Address Line 1	POST BOX NO. 14, KADIRI ROAD
Address Line 2	ANGALLU (VILLAGE)
City/Town	MADANAPALLE
State	ANDHRA PRADESH
Pin Code	517325
Institution e-mail address:	principal@mits.ac.in
Contact No.:	08571-280706
Name of the Head of the Institution:	Dr. C. YUVARAJ
Tel. No. with STD Code:	08571-280255 Ext. 142
Mobile:	+91 9160020789

Name of the IQAC Co-ordinator:

Dr. R. VARADARAJAN

Mobile:

+91 9100973231

IQAC e-mail address:

igac-coordinator@mits.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

APCOGN26150

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC (SC)/21/A&A/45.1

1.5 Website address:

www.mits.ac.in

Web-link of the AQAR:

<https://www.mits.ac.in/AQAR2017-18.pdf>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B++	2.77	2017	5 years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC:

DD/MM/YYYY

29/06/2015

1.8 AQAR for the year (for example 2010-11)

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR 2016-17 submitted to NAAC on 12-10-2018.
- ii. AQAR _____ (DD/MM/YYYY).
- iii. AQAR _____ (DD/MM/YYYY).
- iv. AQAR _____ (DD/MM/YYYY).

1.10 Institutional Status

University	State	<input type="checkbox"/> -	Central	<input type="checkbox"/> -	Deemed	<input type="checkbox"/> -	Private	<input type="checkbox"/> -
Affiliated College	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>				
Constituent College	Yes	<input type="checkbox"/>	No	<input type="checkbox"/> -				
Autonomous college of UGC	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI)	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>				
Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>		
	Urban	<input type="checkbox"/>	Rural	<input checked="" type="checkbox"/>	Tribal	<input type="checkbox"/>		
Financial Status	Grant-in-aid	<input checked="" type="checkbox"/>	UGC 2(f)	<input checked="" type="checkbox"/>	UGC 12B	<input checked="" type="checkbox"/>		
	Grant-in-aid + Self Financing		Totally Self-financing	<input checked="" type="checkbox"/>				

1.11 Type of Faculty/Programme

Arts	<input type="checkbox"/>	Science	<input type="checkbox"/>	Commerce	<input type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phys. Edu.)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input checked="" type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input checked="" type="checkbox"/>		
Others (Specify)	Master of Computer Applications (MCA)								

1.12 Name of the Affiliating University (for the Colleges):

JNTUA, Ananthapuramu (Andhra Pradesh)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by State/Central Govt. / University	<input type="text" value="-"/>		
University with Potential for Excellence	<input type="text" value="-"/>	UGC-CPE	<input type="text" value="-"/>
DST Star Scheme	<input type="text" value="-"/>	UGC-CE	<input type="text" value="-"/>
UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="✓"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	any other (<i>Specify</i>)	<input type="text" value="TEQIP"/>
UGC-COP Programmes	<input type="text" value="-"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="15"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="6"/>
2.3 No. of students	<input type="text" value="0"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="2"/>
2.6 No. of any other stakeholder and Community representatives	<input type="text" value="2"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="2"/>
2.8 No. of other External Experts	<input type="text" value="1"/>
2.9 Total No. of members	<input type="text" value="29"/>
2.10 No. of IQAC meetings held:	<input type="text" value="4"/>

2.11 No. of meetings with various stakeholders:

No.	<input type="text" value="8"/>	Faculty	<input type="text" value="3"/>
Non-Teaching Staff	<input type="text" value="1"/>	Alumni	<input type="text" value="2"/>
Students		Others	<input type="text" value="2"/>

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars / Conferences / Workshops / Symposia organized by the IQAC

Total Nos.	<input type="text" value="3"/>	International	<input type="text"/>	National	<input type="text"/>	State	<input type="text"/>	Institution Level	<input type="text" value="3"/>
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(ii) Themes

- | |
|--|
| <ul style="list-style-type: none"> • Workshop on IMS • Workshop on MOODLE • Workshop on anti-plagiarism (URKUND software) |
|--|

2.14 Significant Activities and contributions made by IQAC

The IQAC has successfully created an environment of continuous improvement and quality consciousness in the institute. In this direction the IQAC conducted a three-day certification training for 18 faculty members to obtain ISO auditor certification. Further, the IQAC conducted a workshop on SCI lab in collaboration with APSSDC. The ISO certified auditors conducted an internal audit to establish the level of compliance for various teaching learning processes.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC at the beginning of the year towards quality: enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
<ul style="list-style-type: none"> • To increase the number of funded research projects • To develop entrepreneurship skills among the students • International Internships (2 to 3 months) • Digital Innovation 	<ul style="list-style-type: none"> • The value of project funding from various agencies increased from 254 lakhs to 279 lakhs <p>Major projects</p> <ul style="list-style-type: none"> • The value of funded research project applied during 2017-18 increased to Rupees 6478 lakhs from Rupees 4800 lakhs during 2016 - 17

<ul style="list-style-type: none"> • Chief Ministers centre of excellence for artificial intelligence 	<ul style="list-style-type: none"> • The value of completed projects increased from 9.28 lakhs in 2016-17 to 26.40 lakhs in 2017-18. • The value of ongoing projects increased from Rupees 221.45 lakhs in 2016-17 to Rupees 253.63 lakhs in 2017-18 • The value of submitted projects increased from Rupees 87.86 lakhs in 2016-17 to Rupees 149.245 lakhs in 2017-18 <p>Minor Projects</p> <ul style="list-style-type: none"> • The value of completed projects increased from Rupees 25.07 lakhs in 2016-17 to Rupees 25.33 lakhs • The number of submitted projects increased to Rupees 13.90 lakhs from Nil <p>Entrepreneurship skills</p> <ul style="list-style-type: none"> • The Entrepreneurship Cell established in the institute conducted 3 workshops for students with the objective of creating awareness about entrepreneurship as an option on par with employment. • Five of the students who have passed out in the 2017-2018 have set up their own businesses. <p>International Internship</p> <ul style="list-style-type: none"> • International internship that was started last academic year had good response from students and the institute helped 15 students in obtaining international internship at Providence University, Taiwan. Additionally, 5 faculty have received confirmation for attending a faculty development program at same university in Taiwan. • International internships is further extended as global immersion program towards helping students to get international exposure through internships abroad and finally for PG admissions at Taiwan. • 5 students attended international internship at Asia University, Taiwan. The Asia University was impressed with the performance of MITS students, as a consequence of this, 9 students were admitted for MS program with full term scholarship and financial support.
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	<ul style="list-style-type: none"> • During the year, 18 students had received University Innovation Fellowship (UIF) with full financial support from Stanford University, USA. Students visited USA under the fellowship. • Amongst UIF recipients, 6 students got selected for Stanford Design School for the Eastern-Hemisphere Meet to be held at Bangaluru, India. This meet will host participants from Asia Pacific and South Africa. <p>Digital Innovation</p> <ul style="list-style-type: none"> • The institute uses biometric devices to record students and faculty attendance. • Further, the institute uses IMS software for recording class room attendance of students for each course and mentoring details. • Moreover, the MOODLE platform is used for delivering course material and assignment submission. • Video lectures of eminent professors from premier institutes are played in class rooms for the benefit of students. • The college offers video conferencing for interviews of prospective candidates for faculty positions who are unable to travel to the institute. • Many times video conferences are organized for getting expert views from eminent professors from abroad. <p>Chief Ministers Centre of Excellence</p> <ul style="list-style-type: none"> • MITS was selected as one of the engineering institutions for setting up chief minister's centre of excellence for skill development by APSSDC. Since its selection, 7 events have been conducted with 603 students participating in different events. The skill areas include: AWS essentials, Embedded System(IOT) Fundamentals Phase-I workshop, MIT App Inventor, Google Android Developer Fundamentals Workshop, Revit Architecture (AUTO DESK), Python for everybody (COURSERA), IoT Certification (COURSERA).
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** Attach the Academic Calendar of the year as Annexure.*

2.16 Whether the AQAR was placed in statutory body

Yes

Management Syndicate any other body

Provide the details of the action taken

- The Board of governance accepted the proposal to revise the existing curriculum (R14) to include the suggestions made in the model curriculum provided by AICTE. The board advised the departments to initiate the process of revising the curriculum and syllabi.
- The board of governance accepted the proposal to make changes to the number of credits for each program in the revised curriculum to be named as R18 in line with those stipulated by the AICTE model curriculum.
- The board of governance perused the feedback reports and advised the principal to conduct periodic meetings with the stakeholders.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	9	-	-	-
PG	8	-	-	-
UG	5	2	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	22	2	-	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

The new R18 curriculum has been structured according to the model AICTE curriculum to offer choice-based credit system (CBCS), core courses, elective options, and open elective options. The number of credits for each program has been aligned to the AICTE model curriculum. New courses have been introduced to reflect India specific topics. The R18 Curriculum has CBCS, CORE, Electives, and open electives.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	15
Trimester	-
Annual	9

1.3 Feedback from stakeholders* Alumni Parents Employers Students
 (On all aspects)

Mode of feedback: Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- Curriculum and syllabus for both UG and PG programs have been revised and a new regulation named R18 has been created, passed by the respective boards of studies, and finally approved by academic council.
- Regulation R18 is applicable from academic year 2018-19 onwards.
- The summary of the major changes made to the syllabi and curriculum are
 - The syllabi have been aligned to the model syllabi provided by the AICTE
 - The total credits for each program have been aligned to that stipulated by AICTE
 - Several new courses as suggested in the model curriculum have been introduced, for example Indian Ethos etc.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

- Center of Excellence in Robotics – in collaboration of Sakrobotix Research Center (Startup Center), IIT Bhubaneswar, e-Yantra Lab Setup Initiative (eLSI), IIT Bombay and Garuda Drone Club MITS.
- Lithium-Ion Technology Innovation Laboratory in collaboration with DSC Manufacturing Pvt. Ltd., Madanapalle, AP.
- Centre of advanced material processing.
- Chief Minister’s center of excellence for artificial Intelligence.
- Skill development Center in collaboration with Andhra Pradesh State Skill Development Center (APSSDC) is further extended to more number of departments.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
302	225	22	25	30

2.2 No. of permanent faculty with Ph.D.

180

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
168	0	9	0	14	0	26	0	217	0

2.4 No. of Guest and Visiting faculty and Temporary faculty:

Guest: 8

Visiting: 1

Temporary: 0

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	15	34	0
Presented papers	51	2	0
Resource Persons	4	12	1

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Scilab

- The institute conducted a two-day workshop to train 30 faculty, distributed across all the teaching departments, on Scilab which is MATLAB equivalent. The faculty have been advised to train their fellow faculty and promote it among students too. The software has been downloaded and made available in all the computers in the institute. The objective of this promotion is to eliminate licensing cost and to promote open source software.

MATH LAB THROUGH SCALE-UP CLASSROOM:

- MITS has set up Student-Centric Active Learning Environment class rooms with the objective of promoting flipped class rooms. Mathematic Lab concept was introduced in last academic year. During this academic year, it is further enhanced for increased scales for 1st-year engineering programs for simulating mathematical models. This lab provides a rigorous training in mathematics through model based demonstrations. MITS has plans to offer this course as a credit course in future if pilot program becomes successful.

MINI-PROJECTS

- MITS has initiated included mini projects in the curriculum of engineering undergraduate programs. It gives opportunity to students to learn from practical point of view. It also provides experimental and application-based learning of concepts with creative and critical thinking.

2.7 Total No. of actual teaching days during this academic year

188

2.8. Examination / Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, and Online Multiple Choice Questions)

The following are the examination / evaluation reforms initiated by the institution since it became autonomous.

- All answer scripts are printed with barcodes.
- Continuous internal assessment for all the theory courses, mandatory submission of assignments with 10 and 20 marks for assignment for UG and PG courses respectively
- Evaluation of assignments using MOODLE platform (online evaluation).
- Integration of MOOCS courses in curriculum. Students have to choose certain courses as per curriculum and the decisions of Internal Departmental (ID) committee for online courses such as NPTEL.
- The Choice Based Credit System including Open Electives (OEs) has been implemented in the college. It is mandatory for Under Graduate (UG) students to study CBCS courses as per the curriculum structure.
- MITS is using double blind valuation system.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

Member of BOS	Faculty Development	Curriculum Development
93	153	41

2.10 Average percentage of attendance of students

80 %

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B. Tech	844	63	24	1	-	88
M. Tech	23	78	-	-	-	78
MCA	15	80	-	-	-	80
MCA (2Yrs)	83	72	2	-	-	75
MBA	180	74	21	-	-	95

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

The IQAC conducts internal audits of teaching learning plans and the material used to execute the same. A two-member team from a pool of IQAC internal auditors review the adherence to the stipulated processes. The auditors raise Non Conformity (NCs) reports wherever deviations are found and heads of departments are instructed to constitute a team of faculty to comply non-conformities at the earliest and subsequently analyse the root causes for preventing recurrence of the deviations.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Program</i>	<i>Number of faculty benefitted</i>
Refresher courses	1
UGC – Faculty Improvement Programs	12
HRD programs	-
Orientation program	12
Faculty exchange program	13
Staff training conducted by the university	1
Staff training conducted by other institutions	72
Summer / Winter schools, Workshops, etc.	210
Others	11

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	145	-	41	-
Technical Staff	56	-	0	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

IQAC initiative to promote research

The IQAC conducted a two-day workshop with hands-on training of Scilab software in collaboration with APSSDC. Thirty faculty attended the workshop and performed domain specific activities using the Scilab. Scilab software being free open source software has the potential to save exchequer across the nation because it can substitute MATLAB which is a proprietary software. This training was conducted with the objective of helping faculty to do their research without having to look for proprietary software.

Based on the feedbacks received from the participant it appears that they are now able to do their research with ease. The results of this effort are expected to be realized in the coming semesters.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	9	4	34
Outlay in Rs. Lakhs	26.40	253.634	149.245	6478.424

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	10	7	0	5
Outlay in Rs. Lakhs	25.33	18.95	0	13.90

3.4 Details on research publications

	International	National	Others
Peer Review Journals	249	0	0
Non-Peer Review Journals	33	0	0
e-Journals	0	0	0
Conference proceedings	11	1	0

3.5 Details on impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

<i>Nature of the Project</i>	<i>Duration Year</i>	<i>Name of the funding Agency</i>	<i>Total grant sanctioned</i>	<i>Received</i>
A Major Projects				
Studies on TCO/TiO ₂ and TiO ₂ /CH ₂ NH ₂ SnI ₂ interfaces deposited by spurring and spin coating for perovskite type solar cell applications	3	DST-SERB	35,59,310	22,52,923
Investigations on Dc-nano grid for rural applications	3	DST-SERB	14,99,163	11,17,163
Enhanced Hybrid Power Generating System for Rustic & Citified electrification	3	DST-SERB	22,99,440	12,96,080
Magnetoelectric coupling in alternative multi nano -layers of ferroelectric and ferromagnetic materials on planner and stepped interfaces	3	DST-SERB	34,49,600	23,74,883
Investigation and characterisation of EDC alloys for mitigation of biological fouling on maritime structures	3	DST-SERB	38,37,690	30,34,440
Experimental investigations and hybrid approach for modelling and multi objective optimization of pulsed laser milling of micro-channels	3	DST-SERB	34,39,000	27,70,000
Simulation and analysis of fire accidents in passenger train cars	3	DST-SERB	25,79,600	14,09,134
Design and development of brain test adequacy system to improve cognitive index of young India using non-invasive brain sensor and artificial neural network.	3	DST-CSRI	26,69,600	20,60,000

Computational analysis of boundary layer of non-Newtonian fluids in porous media à 3 Years (2015-18)	3	DST-WOS-A	20,30,000	17,80,000
Total Grant of Major Projects (A) in Rs.			253,63,403	180,94,623
B Minor Projects				
Development of ZnO-SnO2 thin films-characterization and study of their solar cell applications	2	UGC-SERO	2,95,000	2,30,000
A context based digital assistant that stores and extracts articles from national english dailies.	2	UGC-SERO	2,20,000	1,75,000
Detection approach for botnets with cross cluster correlation	2	UGC-SERO	2,15,000	1,60,000
Analyzing Ground water quality using data mining techniques for the regions of kadapa district, A.P. and developing a portal for drinking water supply management system.	2	UGC-SERO	3,30,000	2,40,000
Skill development for enhancing employability for unemployed youth of andhra pradesh region	2	UGC-SERO	2,35,000	1,80,000
metal nano particles supported on heteroatom doped carbon nanodots: synthesis characterization and applications	2	UGC-SERO	3,20,000	2,65,000
Stochastic modeling of seasonal and annual rainfall patterns in rayalseema region	2	UGC-SERO	2,80,000	2,50,000
Total Grant of Minor Projects (B) in Rs.			18,95,000	12,70,000

Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
C Any others (Specify)				
Modernization of microwave and optical communication lab	2	AICTE-MODROB	6,50,000	5,20,000
Total Grant (A + B + C) in Rs.			2,79,08,403	1,98,84,623

3.7 No. of books published i) With ISBN No.

3

Chapters in Edited Books

2

ii) Without ISBN No.

-

3.8 No. of University Departments receiving funds from - Not Applicable

UGC-SAP

-

CAS

-

DST-FIST

-

DPE

-

DBT Scheme/funds

-

3.9 For colleges

Autonomy

-

CPE

-

DBT Star Scheme

-

INSPIRE

-

CE

-

Any Other (specify)

DST-FIST

3.10 Revenue generated through consultancy

Rs. 5.00 lakhs

3.11 No. of conferences organized by the Institution

Level →	International	National	State	University	College	Total Fund
Numbers →		3	-	-	-	-
Sponsoring agencies	-	MITIS (2)	-	-	-	1,15,000
	-	AICTE (1)	-	-	-	8,00,000

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year (INR in lakhs):

From funding agency

From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	11
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	District	College
5	1	1	-	-	-	3

3.18 No. of faculty from the Institution

Who are Ph. D. Guides

and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students participated in NSS events:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.22 No. of students participated in NCC events:

University level	<input type="text" value="-"/>	State level	<input type="text" value="02"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="-"/>	State level	<input type="text" value="02"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="53"/>	
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="-"/>	Any other <input type="text" value="-"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Sl. No.	NAME OF THE EVENT	DATE
1.	National Cadet Corps (NCC) Awareness Program on Fire Safety Precautions collaboration	12-Aug-17
2.	71st Independence Day Celebrations at MITS	15-Aug-17
3.	National Cadet Corps (NCC) organized "Swachh Bharat"	31-Aug-17
4.	"Rally for Rivers" organized	19-Sep-17
5.	Shauchalaya Nirman & Swachh Bharat was organized	27-Sep-17
6.	NCC-Trekking Camp	14-Oct-17
7.	Birth Anniversary of Sardar Vallabhbhai Patel Organized	31-Oct-17

8.	Armed Forces Flag Day was organized	01-Dec-17
9.	155th Birth Anniversary of Swami Vivekananda was organized	25-Jan-18
10.	An awareness Program on Rainwater Harvesting was organized	31-Mar-18
11.	"Tree Plantation Programme" was organized	17-May-18
12.	Swachha Bharath was conducted by MITS-NCC at Enumulavaripalli Village	06-Jun-18

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	30920 sqm	1020 sqm (Library) + 780 sqm (Auditorium) + 511 sqm (R&D building)	Institute	33231 sqm
Class rooms	88 (6228 sqm)	0	-	88 (6228 sqm)
Laboratories	7969 sqm	0	-	7969 sqm
Seminar Halls	5	1	Institute	6
No. of important equipment purchased (\geq 1-0 lakh) during the current year.	63	13	DST AICTE Institute	76
Value of the equipment purchased during the year (Rs. in Lakhs)	148.03	75	DST AICTE Institute	223.03
Others (constructed area for sports etc.)	196.55 sqm	-	Institute	196.55 sqm

4.2 Computerization of administration and library

The central library has been automated with a library management system for enable easy retrieval, issue, and return of books and other reading material.

4.3 Library services:

	Existing		Newly Added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	47,988	2,04,79,450	1514	7,19,150	49,502	2,11,98,600
Reference Books	8074	37,00,000	1429	6,78,775	9,503	43,78,775
E – Books	1,38,321	3,72,459	-	-	1,38,321	3,72,459

	Existing		Newly Added		Total	
	No.	Value	No.	Value	No.	Value
E-Journals	12,584	13,66,585	-	-	-	13,66,585
Digital Data Base	5				5	
CD & Video	3,278	-	104	-	3,382	-
Membership	DELNET, N-LIST, NDL	20,000	-	-	-	20,000
NPTEL	Yes	Yes	Yes	Yes	Yes	Yes

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1156	9	360 MBPS	1	09	28	68	29
Added	150	0	0 MBPS	0	0	20	75	7
Total	1306	9	360 MBPS	1	09	48	143	36

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- Two day “Advanced Training programme on Energy Efficiency” from 14.12.17 to 15.12.17.
- MOODLE Training program for Engineering Staff and Students.
- Three day workshop on “Google Android developer’s fundamentals” from 28.12.17-30.12.17.
- Amazon web services (AWS) technical workshop conducted on 15, 16, 18, 19, 26-29/ Dec / 2017.
- NYPUNYA 2K17 “A True Hands on Experience Program for Diploma Students” a workshop held on 22.12.17.
- Three day workshop on (iBootup) IoT from 22.3.2018 to 24.3.2018.

4.6 Amount spent on maintenance (INR in lakhs):

(i) ICT	4.090
(ii) Campus infrastructure and facilities	366.194
(iii) Equipment	88.716
(iv) Others	-
Total:	459 (Approximately)

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- IQAC through its student counselling arm conducts awareness programs about the following student support services:
 1. Student welfare cell (SWC)
 2. Scholarship cell
 3. Training and Placement (T&P)
 4. Women empowerment cell
 5. Sports and Physical fitness
 6. NCC and NSS cell
 7. Grievance redressal cell
- IQAC with support from IIIC conducts seminars/workshops for creating awareness about higher education opportunities in US, Europe and Japan.
- IQAC in collaboration with English and Foreign Languages department has conducted awareness events for enhancing proficiency in English, German, French and Japanese.
- Training and Placement (T&P) cell conducts regular classes for English communication skills as a part of regular academic time table.
- IQAC, IIIC and Mentors provide regular career guidance for students.
- Regular familiarization program on MOODLE and IMS are conducted throughout year for the benefits of the newly joining faculty members and staff.

5.2 Efforts made by the institution for tracking the progression

- Academic progression of students are monitored through Intuitional Management System (IMS).
- The IMS system disseminates information about student attendance to the parents through SMS.
- The mentor-mentee relationship and their discussions are managed through IMS.
- Mentors have been advised to conduct meetings with respective mentees on a regular basis and the details of meetings are recorded in online portal visible to the college authorities and the same is communicated to the parents.
- Midterm marks are analyzed and remedial classes are arranged accordingly.
- Faculty performance assessment is accomplished annually for appraisal purpose.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
4207	815	29	0

(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	3601	71.29		1450	28.71

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
2211	299	58	1846	0	4414	2505	377	76	2093	0	5051

Demand ratio

Dropout

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- The requirements of the various competitive examinations are embedded in the curriculum. Examination pattern includes multiple choice questions similar to the ones found in the competitive exams.
- Students are given training on aptitude such as logical reasoning, quantitative, communication through mandatory personality development course.
- GATE awareness workshop conducted by ACE, Hyderabad.
- GATE coaching is imparted to all the interested students in required courses.
- Career Guidance and CAT awareness workshop conducted by Career Launcher.

No. of student beneficiaries

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="-"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc.	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

5.6 Details of student counselling and career guidance

- Mentor to student ratio is maintained at 1:20.
- Student performance is monitored by mentors and recorded on IMS.
- Certificate courses are conducted for career advancement.

No. of students benefitted

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
109	973	809	50

5.8 Details of gender sensitization programmes

Programmes conducted by Internal Complaint Committee (ICC) from July 2017- June 2018

- Personality Development program conducted for I year B.Tech. girl students by Dr. G. Hampamma, Vice-Principal – Administration on 11 Sept, 2017.
- Swasakthi: Workshop on women empowerment was conducted on 30 Oct, 2017 for all girl students in association with Madanapalle rotary club.
- A session on the theme: ‘Is gender a social and cultural barrier?’ was organized by ICC on 23rd Jan 2018 for the women staff and students to deliberate on enlightenment, empowerment and involvement of women in decision making processes.
- Security & Safety issues for women: Screening of PPT followed by interactive session on 12th Feb 2018.
- MITS ICC celebrated Women’s day on 8th Mar 2018 at 4:00 PM in the MBA Seminar Hall and discussed about the role of women in the society.

5.9 Students Activities

5.9.1 No. of students participated in sports, games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level

-

National level

-

International level

-

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	59	Rs. 16,32,250
Financial support from government	269	Rs. 58,69,360
Financial support from other sources	149	Rs. 50,13,200
Number of students who received International/ National recognitions	3	Rs. 4,11,950

5.11 Student organised / initiatives

Fairs : State/ University level

-

National level

-

International level

-

Exhibition: State/ University level

-

National level

2

International level

-

5.12 No. of social initiatives undertaken by the students

53

5.13 Major grievances of students (if any) redressed: _

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: Become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation.

Mission: To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process to create an ambience for practice-based learning to the youth for success in their careers.

6.2 Does the Institution have a management Information System?

Yes, the institute has Institute Management System (IMS). MITS-IMS is an integrated system consists of sixteen modules for all types of institutional activities like, semester, students, staff, exam, attendance, internal assessment activities etc.

The highlight of the important modules are as follows:

- **Dashboard and Reports** – Provides a summary view of students’ attendance, internal assessment, timetable etc. for each department. Additionally, attendance and academic reports can be generated course wise as well as section wise.
- **Students** - Students information, profile, academic activities and performance related details can be viewed and saved.
- **Faculty Data** – Department wise faculty details are available and allows the college administration to track faculty activities.
- **Admission Process** -This module enables admission of students to specific courses for both UG and PG. The module includes fee details such as paid up fee, balance remaining and fee exemption.
- **Semester Activities**- This module enables core part of academic activities such as creation of classes, sections, scheduling the semesters, posting of attendance, adding students, time table allocations, class substitutions etc.
- **Pre-Examination** – This module enables performance of pre-examination activities.
- **Post-Examination** – Enables evaluation of answer scripts, posting of marks, results publication etc.
- **Fee Management**- Enables the students’ to deposit fees online.
- **Administration** – Enables the administration to manage the academic activities such as course allocations, faculty profiles as well as their achievements, leave management etc.
- **Feedback** – Enables monitoring of mentor-mentee activities and their meeting details, students’ feedback about the faculty member.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The curriculum is taken up for modification every two years for the PG programs and every four years for UG Programs. The institute takes frequent feedbacks from stakeholders namely: Employers, alumni, and parents to understand their view on the existing curriculum and take their suggestions for updating the curriculum. Further, the institute takes suggestions from the industry experts invited for participation in the Board of Studies. The faculty members are encouraged to browse through the curriculum of premier institutions in India and abroad to understand the current trends in various domains. Moreover, the faculty attend conferences, workshops, and industry summits to become aware of the emerging areas in each domain. These help the institute ensure that the curriculum is in line with currently acceptable standards.

The curriculum and Syllabus for all the programs were taken up for revision in the July 2017 and completed in a period of nine months. The result of the revision lead to introduction of multiple new courses across all programs in the institute. Further the syllabus of 95% of the courses have been updated.

6.3.2 Teaching and Learning

- Faculty members have been trained on recent advances in ICT such as flipped class room, use of smart board, lecture video capture, etc.
- All the class rooms including laboratories have been ICT enabled.
- Adequate portion of the syllabi are delivered through ICT.
- Students are encouraged to access internet resources such as Open Course Ware (OCW) hosted by premier global institutions, for example MIT and Stanford Universities.
- The students are notified about the availability of video lectures delivered by eminent professors from premier institutions on specific topics.
- At least two NPTEL /SWAYAM courses are mandatory for UG Engineering and MBA programme.

6.3.3 Examination and Evaluation

- To ease the filling up of examination registration forms, online registration process is implemented from 2017 batch onwards.
- Students can register themselves for end semester examinations by filling online applications and they can even download the hall tickets from their login credentials.
- The question papers are set by internal and external faculty members.
- The question papers are scrutinized by the course co-ordinator and Controller of Examination (CoE) before release.
- The question papers strictly follow BLOOMS Taxonomy and CO mapping.

- Plagiarism check is made mandatory for submitting the project reports as well as assignments.
- Double blind evaluation process is used for end semester examination.
- The principal appoints a committee to look into the issues faced during the course of examination and provide recommendations to resolve the same.

6.3.4 Research and Development

- The R & D cell is encouraging the faculty members for research work in collaboration with Industry partners for conceptualization of innovative product.
- The R & D cell encourages the faculty members to collaborate with national and international researchers.
- The R&D cell is supporting the faculty members for adopting state-of-art research.
- The institute has been able to find internship opportunities for a few students in the national and international premier institutes. The internships helped the students to acquire skills in the area of cogent scientific inquiry for pursuing research on par with the international standards.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- The library is fully automated using ILMS developed by INFLIBINET.
- Access to online research journals such as IEEE, Springer, ASME, etc.
- Refreshment are provided to the students studying in the library after college hours and also bus service is provided.
- The digital library is accessed by 150 members per day and the average check out of the library is 300. The library adds an average of 1500 (approx.) books annually.
- ICT enabled class rooms are available for enhancing the teaching-learning experience.
- The institute is completely Wi-Fi enabled.
- All the buildings are connected with bridges to enable seamless movement from one place to another without much effort.
- The buildings are equipped with three lifts.
- The institute has four state-of-the-art auditoriums for conducting meetings, conferences, and seminars.
- The institute also has a board room and a conference room for deliberations, video conferencing, and discussions. The institute has a smart class room to be used for advanced learning.

6.3.6 Human Resource Management

The human resource department is headed by a dedicated HR manager who oversees the creation of job descriptions for various positions and the skills required for various position in consultation with the principal, deans, and heads of departments. The HR manager reports to the dean administration who formulates strategies for ensuring diversity in terms of experience and place of origin consultation with the academic departments for recruitment of personnel to ensure that the institute's objectives are achieved. The HR department also manages facilities and welfare measures to be provided to the faculty and staff.

6.3.7 Faculty and Staff recruitment

- The human resource department adopts traditional methods of recruitment as well as some non-traditional methods such as on campus interviews to recruit the best of the talents available. The institute's recruitment drive remains open throughout the year and the HR department schedules interviews either physical or virtual. The HR department advertises frequently in national newspapers to attract relevant talent. Out the 300 strong faculty in the campus 60% percent have either completed their PhDs or have done post-doctoral research from premier national and international institutions. The HR department scrutinizes resumes before calling prospective candidates for interviews. Some of the parameters used for shortlisting candidates are: research capability in terms of projects completed and quality of papers published. Innovation capability through number of patents followed by commercialization.
- Faculty recruitments are conducted either through traditional process or through video conferencing or by visiting campuses of premier national institutions like IIT/NIT and other central universities.
- Application for faculty positions are shortlisted based upon the candidates research publication, innovation ability and experience.

6.3.8 Industry Interaction / Collaboration

The institute interacts with the industry through the Institute industry interaction cell (IIIC) headed by a dedicated dean, who is senior academician with long experience in universities of repute. The IIIC is supported by a representative from the placement and training cell. The IIIC engages in invitation of industry experts for conducting workshops, information seminars, and meetings for signing memorandum of understanding for internships, projects, and industry visits. The IIIC also helps the department in interacting with industry experts from different domains for refurbishment of curriculum and syllabi.

6.3.9 Admission of Students

- The Admission to fill 70% of the approved intake is done through the JNTUA counselling process. The balance 30 % is filled through a standard admission process in which the student who apply are shortlisted based on their academic performance and personal interaction with the admission team.
- The institute has a dedicated team headed by a dean for attracting student from neighbouring states and countries.
- The institute regularly participates in Admission fairs held at various places across India.
- The college has been successful in attracting students from the Andaman Islands and Nepal.

6.4 Welfare schemes for

Teaching	Yes
Non-teaching	Yes
Students	Yes

6.5 Total corpus fund generated

Rs. 5.49 Crore

6.6 Whether annual financial audit has been done

Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Senior faculty from other reputed institutions	Yes	Internal Quality assurance team
Administrative	Yes	Senior faculty from other reputed institutions	Yes	Principal and dean administration

6.8 Does the University/ Autonomous College declares results within 30 days? *

For UG Programmes Yes No

For PG Programmes Yes No

*The institute is endeavouring to publish results within 30 days in near future.

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Engineering Graphics is now tested using latest tools like AutoCAD, thus replacing the conventional methods by software based CAD methods for conducting examinations.
- The examination system of institute follows double blind valuation procedure.
- The Plagiarism check (using URKUND) is mandatory for submitting the assignments and project reports.
- It has been made mandatory for students to undergo internships in the industries and to submit project reports online for evaluation by the faculty members.
- CGPA system is used for grading.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

At this point in time MITS is independent autonomous and does not have any affiliated/ constituent colleges. Hence there is no scope for promoting autonomy.

6.11 Activities and support from the Alumni Association

- The registered alumni association of the institute conducts frequent informal meetings and an annual alumni meeting either in the college premises or in neighbouring metro cities.
- Several alumni have contributed their might both financially and professionally.
- On the professional front the institute's alumni use their positions to offer internships, workshops, and conduct placement drives.
- The alumni advise the students on how to prepare for interviews and give them a feel of the corporate world.

6.12 Activities and support from the Parent – Teacher Association

At this point in time the institute does not have a registered parent teacher association but the phone number of the respective HoD and the class teacher are disseminated amongst the students there by creating scope of interaction between the faculty, the students, and the parents. Additionally, the students and parents are allowed to meet the principal or other administrators at designated hours daily. The students, parents, and teachers get an opportunity to get together during orientation programs, annual day, and during annual cultural festival.

6.13 Development programmes for support staff

- HR department organizes suitable training and skill up-gradation programs for different levels of staff.
- Study leave is provided for academic pursuits of staff.
- The staff are given routine trainings for handling labs / specific duties related to their work.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- **Plantation:** The campus has plenty of plants of different species with drip irrigation facility.
- **Renewable energy:**
 - (i) The electricity requirement of a substantial portion of the admin office is drawn from the solar power panels of 150 kW capacity installed on the terrace. It is expected to install another 150 kW in upcoming year.
 - (ii) A major DST project on renewable energy is undertaken by ECE department.
- **Green Practices:** In a bid to minimize printing and the use of paper for all official communications, circulars, and other instructions/discussion are conveyed through E-mails.
- **Minimum Prints:** Further, students are distributed ppts / course materials in soft through MOODLE to avoid print outs.
- **Sewage Treatment Plant:** MITS is treating the effluent water from all the building efficiently for reuse.
- **Vermicomposting Yard:** The solid waste from canteen and mess is being collected from the respective places and treated at vermicomposting plant for using as fertilizers in gardening.
- **Rain Water Harvesting System:** MITS has facility for rain water harvesting.
- **Check Dam:** Three check dams are available inside the campus with a capacity to hold 4.25 lakhs, 4.40 lakhs and 4.45 lakhs litres of water to transmit the surface runoff water to ground water aquifer facilitating the raise in ground water table.
- **E-waste:** Electronic waste are being collected and disposed through licensed vendors.
- **Gardening and Landscaping:** The sufficient number of workers are being employed for gardening and landscaping to make the campus beautiful and lush green. The Fruit bearing, decorative flowering plants are grown all along the ways to various buildings that allows the students and staff members to relax and enjoy natural environment.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

The institute has set up an Ignition, Innovation and Incubation center (i³ centre) with the objective of transfer of knowledge, methodology and practice of technology-based entrepreneurship. It also support the students to come up with creative ideas. The concept has started showing its results with students registering for projects to develop innovative products under the guidance of faculty members. A few of noteworthy projects are as follows:

- Smart Irrigation System
- Recycling of Tomato Plant Waste into Packing Material
- Smart Garbage Management
- Effortless Ploughing Setup
- Solar Based Smart Grass Cutter

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Placements have been improved significantly.
- The skill development lab established in collaboration with APSSDC and Siemens India has been extended with more equipment and facilities. Siemens t-SDI centre has been established in the campus. The lab and the equipment are fully funded by these agencies. Efforts to establish more such centres are being encouraged amongst the departments.
- Ignition, Innovation and Incubation center (i³ centre) has been established to encourage innovative practices.
- Centre of excellence in Robotics has been developed in collaboration with industrial partners.
- Centre of advanced material processing.
- Li-Ion battery characterization and testing lab is under process in collaboration with M/s. DSC Manufacturing Pvt. Ltd., Madanapalle.
- The provision of MITS cloud for e-learning is under development and it is expected to be operational soon.
- The institute provides incentives for patents, projects, and publications leading to a greater emphasis on these aspects of research and development.
- The quality as well as number of faculty publications has improved significantly.
- The patent filling has been on the rise.
- Various training programs are conducted for faculty members for developing innovative pedagogical methods.
- The submission of the research proposals have been considerably increased.
- The funds have been raised through various consultancy activities.
- Beautification of the Campus has been accomplished.

7.3 Give two Best Practices of the institution (please see the format in the NAAC Self-study Manuals)

1. Transformation of international internship to global immersion.
2. Health and Fitness for better life.

**Provide the details in annexure (annexure need to be numbered as i, ii, iii)*

7.4 Contribution to environmental awareness / protection

- Event on *Swachhatha Hi Seva* for awareness about sanitation.
- Awareness program on “World Ozone Day”.
- Rally on tree plantation program.
- E-Waste management.
- “World Thrift Day” celebrated on 30.oct.2017.
- Rally on *Shauchalaya Nirman and Swachh Bharat*.
- Rally on *River Revival and Rituals*.

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

Strengths:

- Only PhD candidate entitled for teaching across all the courses.
- As per college’s new policy, quality Ph.D. candidates from IIT/NIT/central/foreign universities are preferred for faculty positions with very attractive remuneration.
- Out of 302 faculty, 180 are Ph.D. and rest are awaiting final defense of their Ph.D. thesis.
- All the teaching assistant employed at MITS are with minimum qualification of M.Tech/M.E. and many of them are pursuing Ph.D.
- Well qualified and experienced faculty members with diversified specialization in streams of engineering and management.
- Good faculty student ratio.
- All engineering departments are recognized as a Research Centre by JNTUA, Ananthapuramu and further centres are being added.
- Institute is having DST-FIST fund for interdisciplinary research.
- MITS received “AAA” rating by NPTEL continuously from 2015 onwards.
- MITS obtained 1st position from NPTEL at Nationwide from Jan-June 2018.
- MITS is categorized as “GOLD” by confederation of Indian Industry (AICTE).
- AICTE, New Delhi and Internshala honored MITS as the “Best Performing Institution” from the state of Andhra Pradesh, under the category of notable colleges.
- Well-equipped laboratories.
- Many faculty have long experience and industrial exposure.

- Located at calm, serene and environmental friendly place.
- Located close to Bangalore and Chennai for industrial research work.
- MITS is ISO 9001:2015 certified.

Opportunities:

- Scope of up-gradation of educational qualifications for both teaching and non-teaching staff members
- Starting new PG Courses by setting up dedicated research labs with latest equipment and facilities
- Encouraging the faculty and students to undertake funded project.
- Student and faculty exchange programs with national & international institutes and universities.
- Motivating the students to undertake multidisciplinary project.
- Mobilizing our alumni to support the institute in training the students for updating their skills as per the current scenario.

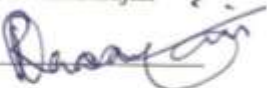
Threats:

- Educational competition
- Lack of job opportunities in some specific engineering branches.
- Drift in software jobs as compared to core/technical jobs.
- Online education is becoming popular.

8. Plan of institution for next year-

- To renew NBA accreditation for concerned departments.
- To apply for NAAC reassessment.
- To renew autonomous status from UGC.
- To Participate in NIRF.
- To increase the numbers of funded projects.
- To improve the numbers of patent filling.

Name: Dr. R. Varadarajan



Signature of the coordinator, IQAC
chairperson, IQAC



Name: Dr. C. Yuvaraj



Signature of the
PRINCIPAL
Madanapalle Institute of Technology & Science
P.O. No: 14, Kadiri Road, Angallu,
MADANAPALLE - 517 325, A.P.

Annexure I

Academic Calendar (2017-18)

Applicable for B. Tech I Year I Semester

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	Bridge Course	03/07/2017 Monday	15/07/2017 Saturday	2
2.	I Spell of Instruction	17/07/2017 Monday	18/09/2017 Monday	9
3.	I Mid-Exam	19/09/2017 Tuesday	22/09/2017 Friday	4 Days
4.	II Spell of Instruction	25/09/2017 Monday	28/11/2017 Tuesday	9
5.	II Mid-Exam	29/11/2017 Wednesday	02/12/2017 Saturday	4 Days
6.	Practical Exam	04/12/2017 Monday	08/12/2017 Friday	1
7.	End Exam	11/12/2017 Monday	23/12/2017 Saturday	2
8.	Vacation	26/12/2017 Tuesday	30/12/2017 Saturday	1

B. Tech I Year II Semester

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	01/01/2018 Monday	27/02/2018 Tuesday	8
2.	I Mid-Exam	28/02/2018 Wednesday	03/03/2018 Saturday	4 Days*

3.	II Spell of Instruction	05/03/2018 Monday	07/05/2018 Monday	9
4.	II Mid-Exam	08/05/2018 Tuesday	11/05/2018 Friday	4 Days*
5.	Practical Exam	14/05/2018 Monday	24/05/2018 Thursday	10 Days
6.	End Exam	25/05/2018 Friday	08/06/2018 Friday	2
7.	Vacation	11/06/2018 Monday	07/07/2018 Saturday	4
8.	Reopening of II Year I Semester	09/07/2018	Monday	

*If there is no Mid-Term Test for students of any branch, Class work shall be conducted.

Academic Calendar (2017 - 18)
Applicable for B. Tech II & III Year I Semester

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	10-07-2017 Monday	01-09-2017 Friday	8
2.	I Mid-Exam	04-09-2017 Monday	07-09-2017 Thursday	4 Days
3.	II Spell of Instruction	08-09-2017 Friday	14-11-2017 Tuesday	9
4.	II Mid-Exam	15-11-2017 Wednesday	18-11-2017 Saturday	4 Days
5.	Practical Exam	20-11-2017 Monday	24-11-2017 Friday	5 Days
6.	End Exam	27-11-2017 Monday	08-12-2017 Friday	2
7.	Vacation	11-12-2017 Monday	30-12-2017 Saturday	3

8.	Reopening of II & III Year II Semester	01-01-2018	Monday	
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B. Tech II & III Year II Semester

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	01/01/2018 Monday	27/02/2018 Tuesday	8
2.	I Mid-Exam	28/02/2018 Wednesday	03/03/2018 Saturday	4 Days*
3.	II Spell of Instruction	05/03/2018 Monday	07/05/2018 Monday	9
4.	II Mid-Exam	08/05/2018 Tuesday	11/05/2018 Friday	4 Days*
5.	Practical Exam	14/05/2018 Monday	24/05/2018 Thursday	10 Days
6.	End Exam	25/05/2018 Friday	08/06/2018 Friday	2
7.	Vacation	11/06/2018 Monday	07/07/2018 Saturday	4
8.	Reopening of III & IV Year I Semester	09/07/2018	Monday	

*If there is no Mid-Term Test for students of any branch, Class work shall be conducted.

Academic Calendar (2017-18)
Applicable for B. Tech IV Year I Semester

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	10-07-2017 Monday	01-09-2017 Friday	8
2.	I Mid-Exam	04-09-2017 Monday	06-09-2017 Wednesday	3 Days
3.	II Spell of Instruction	07-09-2017 Thursday	10-11-2017 Friday	9
4.	II Mid-Exam	13-11-2017 Monday	15-11-2017 Wednesday	3 Days
5.	Practical Exam	16-11-2017 Thursday	22-11-2017 Wednesday	1
6.	End Exam	23-11-2017 Thursday	06-12-2017 Wednesday	2
7.	Vacation	07-12-2017 Thursday	20-12-2017 Wednesday	2
8.	Reopening of IV Year II Semester	21-12-2017 Thursday		

B.Tech IV Year II Semester

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	21-12-2017 Thursday	16-02-2018 Friday	8
2.	I Mid-Exam	17-02-2018 Saturday		1 Day
3.	II Spell of Instruction	19-02-2018 Monday	24-04-2018 Tuesday	9
4.	II Mid-Exam	25-04-2018 Wednesday		1 Day

5.	End Exam	26-04-2018 Thursday	01-05-2018 Tuesday	4 Days
6.	Project Viva Voce Exam	02-05-2018 Wednesday	19-05-2018 Saturday	2 Weeks 4 Days

* For Project Schedule, Please refer the next page.

B. Tech IV Year II Semester

Option –I (Full Semester Internship (FSI))

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	Phase – I: Commencement of FSI-.Reporting at Industry/Research Centre (RC)/Academic Institution (AI).	21-12-2017 Thursday	03-01-2018 Wednesday	2
2.	Review on Phase-I: <ul style="list-style-type: none"> ○ Submission of Industry/RC/AI profile ○ Nature of work, Title of the project, Abstract submission 	04-01-2018 Thursday	10-01-2018 Wednesday	1
3.	Phase – II : Continuation of FSI	11-01-2018 Thursday	14-02-2018 Wednesday	5
4.	Review on Phase-II: Presentation &report submission on status of Project work.	15-02-2018 Thursday	28-02-2018 Wednesday	2
5.	Phase – III : Continuation of FSI	01-03-2018 Thursday	04-04-2018 Wednesday	5
6.	Review on Phase-III: <ul style="list-style-type: none"> ○ Submission of Internship Diary. ○ Submission of FSI completion certificate, relieving orders & Attendance particulars. 	05-04-2018 Thursday	18-04-2018 Wednesday	2

	○ Presentation & report submission on complete project work.			
7.	Submission of Thesis/Dissertation & Viva-Voce	19-04-2018 Thursday	02-05-2018 Wednesday	2

Option – II (Conventional)

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	Phase – I: ○ Literature Survey ○ Commencement of Disciplinary/Inter-disciplinary project work.	21-12-2017 Thursday	17-04-2018 Wednesday	4
2.	Review on Phase-I: ○ Submission of Abstract to IDC for Approval	18-01-2018 Thursday	24-01-2018 Wednesday	1
3.	Phase – II : Continuation of Project Work	25-01-2018 Thursday	28-02-2018 Wednesday	5
4.	Review on Phase-II: ○ Submission of Status report.	01-03-2018 Thursday	07-03-2018 Wednesday	1
5.	Phase – III: Continuation of Project Work.	08-03-2018 Thursday	11-04-2018 Wednesday	5
6.	Review on Phase-III: Presentation & report submission on complete project work.	12-04-2018 Thursday	18-04-2018 Wednesday	1
7.	Submission of Thesis/Dissertation & Viva-Voce	19-04-2018 Thursday	02-05-2018 Wednesday	2

Academic Calendar
(Applicable for M. Tech, 2017 Admitted Batch)

M.Tech I Year I Semester

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	05-10-2017 Thursday	28-11-2017 Tuesday	8
2.	I Mid-Exam	29-11-2017 Wednesday	02-12-2017 Saturday	3 days
3.	II Spell of Instruction	04-12-2017 Monday	03-02-2018 Saturday	9
4.	II Mid-Exam	05-02-2018 Monday	07-02-2018 Wednesday	3 days
5.	Practical Exam	08-02-2018 Thursday	09-02-2018 Friday	2 days
6.	End Exam	12-02-2018 Monday	24-02-2018 Saturday	2
7.	Reopening of II Semester	26-02-2018		Monday

M. Tech I Year II Semester

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	26-02-2018 Monday	21-04-2018 Saturday	8
2.	I Mid-Exam	23-04-2018 Monday	25-04-2018 Wednesday	3 days
3.	Vacation / Internship	26-04-2018 Thursday	23-05-2018 Wednesday	4

4.	II Spell of Instruction	24-05-2018 Thursday	25-07-2018 Wednesday	9
5.	II Mid-Exam	26-07-2018 Thursday	30-07-2018 Monday	3 days
6.	Practical Exam	31-07-2018 Tuesday	01-08-2018 Wednesday	2 days
7.	End Exam	02-08-2018 Thursday	16-08-2018 Thursday	2
8.	Commencement of Project Work (II Year)	20-08-2018	Monday	

M. Tech II Year (I & II Semesters)

	Duration		No. of Weeks
	From	To	
Commencement of project Work (Literature Survey and preparation of Abstract)	31-07-2017 Monday	09-09-2017 Saturday	6
Submission of Abstract to Internal Departmental committee (IDC) for approval	11-09-2017 Monday	16-09-2017 Saturday	1
First Phase of Project Work	18-09-2017 Monday	04-11-2017 Saturday	7
Submission of status report at the end of First phase to IDC for approval	06-11-2017 Monday	11-11-2017 Saturday	1
Second Phase of Project work	13-11-2017 Monday	30-12-2017 Saturday	7

Submission of status report at the end of Second Phase to IDC for approval	01-01-2018 Monday	06-01-2018 Saturday	1
Third Phase of Project work	08-01-2018 Monday	24-02-2018 Saturday	7
Submission of status report at the end of Third Phase to IDC for approval	26-02-2018 Monday	03-03-2018 Saturday	1
Final Phase of Project work	05-03-2018 Monday	21-04-2018 Saturday	7
Pre-submission Seminar	23-04-2018 Monday	28-04-2018 Saturday	1
Final Thesis/Dissertation Submission	After successful completion of Pre - Submission		

Academic Calendar (2017-18)

Applicable for MBA I Year I Semester (2017 Admitted batch)

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	Bridge Course	02-08-2017 Wednesday	08-08-2017 Tuesday	1
2.	I Spell of Instruction	09-08-2017 Wednesday	04-10-2017 Wednesday	8
3.	I Mid-Exam	05-10-2017 Thursday	07-10-2017 Saturday	3 Days
4.	II Spell of Instruction	09-10-2017 Monday	13-12-2017 Wednesday	9
5.	II Mid-Exam	14-12-2017 Thursday	16-12-2017 Saturday	3 Days
6.	Practical Exam	18-12-2017 Monday	27-12-2017 Wednesday	1 Week 3 Days

7.	End Exam	28-12-2017 Thursday	10-01-2018 Wednesday	2
8.	Reopening of I Year II Semester	15-01-2018 Monday		

MBA I Year II Semester

Sl. No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	15-01-2018 Monday	13-03-2018 Tuesday	8
2.	I Mid-Exam	14-03-2018 Wednesday	17-03-2018 Saturday	4 Days
3.	II Spell of Instruction	19-03-2018 Monday	19-05-2018 Saturday	9
4.	II Mid-Exam	21-05-2018 Monday	24-05-2018 Thursday	4 Days
5.	Practical Exam	25-05-2018 Friday	05-06-2018 Tuesday	1 Week 4 Days
6.	End Exam	06-06-2018 Wednesday	19-06-2018 Tuesday	2
7.	Vacation	20-06-2018 Wednesday	14-07-2018 Saturday	3 Weeks 4 Days
8.	Reopening of II Year I Semester	16-07-2018 Monday		

Academic Calendar (2017-18)
Applicable for MBA II Year I Semester

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	24-07-2017 Monday	18-09-2017 Monday	8
2.	I Mid-Exam	19-09-2017 Tuesday	22-09-2017 Friday	4 Days
3.	II Spell of Instruction	25-09-2017 Monday	28-11-2017 Tuesday	9
4.	II Mid-Exam	29-11-2017 Wednesday	04-12-2017 Monday	4 Days
5.	Practical Exam	05-12-2017 Tuesday	08-12-2017 Friday	4 Days
6.	End Exam	11-12-2017 Monday	26-12-2017 Tuesday	2 Weeks 2 Days
7.	Vacation	27-12-2017 Wednesday	30-12-2017 Saturday	4 Days
8.	Commencement of II Year II Semester	01-01-2018 Monday		

MBA II Year II Semester

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction (Including Project Work)	01-01-2018 Monday	20-03-2018 Tuesday	11
2.	I Mid-Exam	21-03-2018 Wednesday	23-03-2018 Friday	3 days

3.	II Spell of Instruction	26-03-2018 Monday	08-05-2018 Tuesday	6
4.	II Mid-Exam	09-05-2018 Wednesday	11-05-2018 Friday	3 days
5.	Practical Exam	14-05-2018 Monday	19-05-2018 Saturday	1
6.	End Exam	21-05-2018 Monday	28-05-2018 Monday	1 Week 1 Day

Academic Calendar (2017-18)

Applicable for MCA I Year I Semester & MCA (2 Years) I Year I Semester (2017 Admitted batch)

Sl.No	Event	Date & Day		Number of Weeks / Days
		From	To	
1.	Bridge Course	02-08-2017 Wednesday	08-08-2017 Tuesday	1 Weeks
2.	I Spell of Instruction	09-08-2017 Wednesday	04-10-2017 Wednesday	8 Weeks
3.	I Mid-Term Test	05-10-2017 Thursday	07-10-2017 Saturday	3 Days
4.	II Spell of Instruction	09-10-2017 Monday	13-12-2017 Wednesday	9 Weeks
5.	II Mid- Term Test	14-12-2017 Thursday	16-12-2017 Saturday	3 Days
6.	Practical Exams	18-12-2017 Monday	27-12-2017 Wednesday	1 Week 3 Days
7.	End Semester Exams	28-12-2017 Thursday	10-01-2018 Wednesday	2 Weeks
8.	Reopening of I Year II Semester	17-01-2018 Wednesday		

MCA & MCA (2 Years) I Year II Semester

Sl. No	Event	Date & Day		Number of Weeks / Days
		From	To	
1.	I Spell of Instruction	17-01-2018 Wednesday	20-03-2018 Tuesday	9 Weeks
2.	I Mid- Term Test	21-03-2018 Wednesday	23-03-2018 Friday	3 Days
3.	II Spell of Instruction	26-03-2018 Monday	30-05-2018 Wednesday	9 Weeks
4.	II Mid- Term Test	31-05-2018 Thursday	02-06-2018 Saturday	3 Days
5.	Practical Exams	04-06-2018 Monday	15-06-2018 Friday	2 Weeks
6.	End Semester Exams	18-06-2018 Monday	30-06-2018 Saturday	2 Weeks
7.	Vacation	02-07-2018 Monday	14-07-2018 Saturday	2 Weeks
8.	Reopening of II Year I Semester	16-07-2018 Monday		

Academic Calendar (2017-18)

Applicable for MCA II Year I Semester (2016 Admitted Batch)

Sl.No	Event	Date & Day		Number of Weeks / Days
		From	To	
1.	I Spell of Instruction	24-07-2017 Monday	19-09-2017 Tuesday	8 Weeks
2.	I Mid- Term Test	20-09-2017 Wednesday	22-09-2017 Friday	3 Days
3.	II Spell of Instruction	25-09-2017 Monday	28-11-2017 Tuesday	9 Weeks

4.	II Mid- Term Test	29-11-2017 Wednesday	02-12-2017 Saturday	3 Days
5.	Practical Exams	04-12-2017 Monday	16-12-2017 Saturday	2 Weeks
6.	End Semester Exams	18-12-2017 Monday	30-12-2017 Saturday	2 Weeks
7.	Vacation	01-01-2018 Monday	06-01-2018 Saturday	1 Weeks
8.	Reopening of II Year II Semester	08-01-2018		Monday

MCA II Year II Semester

Sl.No	Event	Date & Day		Number of Weeks / Days
		From	To	
1.	I Spell of Instruction	08-01-2018 Monday	20-03-2018 Tuesday	10 Weeks
2.	I Mid- Term Test	21-03-2018 Wednesday	23-03-2018 Friday	3 Days
3.	II Spell of Instruction	26-03-2018 Monday	30-05-2018 Wednesday	9 Weeks
4.	II Mid- Term Test	31-05-2018 Thursday	02-06-2018 Saturday	3 Days
5.	Practical Exams	04-06-2018 Monday	15-06-2018 Friday	2 Weeks
6.	End Semester Exams	18-06-2018 Monday	30-06-2018 Saturday	2 Weeks
7.	Vacation	02-07-2018 Monday	14-07-2018 Saturday	2 Weeks
8.	Reopening of III Year I Semester	16-07-2018		Monday

Academic Calendar (2017-18)
Applicable for MCA III Year I Semester (2016 Admitted Batch)

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	24-07-2017 Monday	19-09-2017 Tuesday	8
2.	I Mid-Exam	20-09-2017 Wednesday	22-09-2017 Friday	3 Days
3.	II Spell of Instruction	25-09-2017 Monday	28-11-2017 Tuesday	9
4.	II Mid-Exam	29-11-2017 Wednesday	02-12-2017 Saturday	3 Days
5.	Practical Exam	04-12-2017 Monday	16-12-2017 Saturday	2
6.	End Exam	18-12-2017 Monday	30-12-2017 Saturday	2
7.	Vacation	01-01-2018 Monday	06-01-2018 Saturday	1
8.	Reopening of II Year II Semester	08-01-2018 Monday		

MCA III Year II Semester

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	Commencement of project work literature survey preparation of Abstract	08-01-2018 Monday	26-01-2018 Friday	3
2.	Submission of Abstract to IDC for Approval	29-01-2018 Monday	03-02-2018 Saturday	1

3.	First Phase of Project Work	05-02-2018 Monday	23-02-2018 Friday	3
4.	Submission of Status report at the end of the first phase to IDC for Approval	26-02-2018 Monday	03-03-2018 Saturday	1
5.	Second Phase of Project Work	05-03-2018 Monday	23-03-2018 Saturday	3
6.	Submission of Status report at the end of the Second phase to IDC for Approval	26-03-2018 Monday	31-03-2018 Saturday	1
7.	Third Phase of Project Work	02-04-2018 Monday	21-04-2018 Saturday	3
8.	Submission of Status report at the end of the Third phase to IDC for Approval	23-04-2018 Monday	27-04-2018 Friday	1
9.	Pre submission Seminar	30-04-2018 Monday	05-05-2018 Saturday	1
10.	Final thesis/Dissertation Submission	After Successful Submission of Pre submission Seminar		

Academic Calendar (2017-18)

Applicable for MCA III Year I Semester (2015 Admitted Batch)

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	24-07-2017 Monday	16-09-2017 Saturday	8
2.	I Mid-Exam	18-09-2017 Monday	19-09-2017 Tuesday	2 days
3.	II Spell of Instruction	20-09-2017 Wednesday	24-11-2017 Friday	9
4.	II Mid-Exam	27-11-2017 Monday	28-11-2017 Tuesday	2 Days

5.	Practical Exam	29-11-2017 Wednesday	05-12-2017 Tuesday	1
6.	End Exam	06-12-2017 Wednesday	12-12-2017 Tuesday	1
7.	Vacation	13-12-2017 Wednesday	19-12-2017 Tuesday	1
8.	Reopening of III Year II Semester	20-12-2017 Wednesday		

MCA III Year II Semester

Sl.No	Event	Date & Day		Number of Weeks
		From	To	
1.	I Spell of Instruction	20-12-2017 Wednesday	15-02-2018 Thursday	8
2.	I Mid-Exam	16-12-2018 Friday	17-02-2018 Saturday	2 Days
3.	II Spell of Instruction	19-02-2018 Monday	21-04-2018 Saturday	9
4.	II Mid-Exam	23-04-2018 Monday	24-04-2018 Tuesday	2 Days
5.	Practical Exam	25-04-2018 Wednesday	01-05-2018 Tuesday	1
6.	End Exam	02-05-2018 Wednesday	08-05-2018 Tuesday	1
7.	Project Viva Voce	09-05-2018 Wednesday	22-05-2018 Tuesday	2

General Holidays List for the Academic Year: 2017-18

Date	Occasion/Festival	Day
14.08.2017	Sri Krishna Astami	Monday
15.08.2017	Independence Day	Tuesday
25.08.2017	Vinayaka Chavithi	Friday
02.09.2017	Bakrid (Id-Ul-Azha)	Saturday
28.09.2017	Durgashtami	Thursday
30.09.2017	Vijaya Dasami	Saturday
01.10.2017	Moharam	Sunday
02.10.2017	Mahatma Gandhi Jayanthi	Monday
19.10.2017	Deepavali	Thursday
02.12.2017	Eid Miladun Nabi	Saturday
25.12.2017	Christmas	Monday
14.01.2018	Bhogi	Sunday
15.01.2018	Sankranti/ Pongal	Monday
16.01.2018	Kanumu	Tuesday
26.01.2018	Republic Day	Friday
13.02.2018	Maha Sivaratri	Tuesday
02.03.2018	Holi	Friday
26.03.2018	Sri Rama Navami	Sunday
30.03.2018	Good Friday	Friday
05.04.2018	Babu Jagjeevan Ram's Jayanthi	Thursday
14.04.2018	Dr. B. R. Ambedkar's Birthday	Sunday
16.06.2018	Ramzan (Id-Ul-Fitr)	Saturday

Annexure II

Feedback analysis from stakeholders

The following are the highlights of the feedback taken from various stakeholders of the institute

Students Feedback Consolidated Report for the academic year 2017 – 18

- A few of the final year students got full semester internships abroad in Taiwan. The performance of the students who underwent internships at Taiwan was highly commendable. This led to their M.S admission through full fee waiver. The students, during their feedback sessions, have appreciated the efforts of the management and the institution in bringing awareness of international exposure to the student community.
- The students highly appreciated the resources uploaded for course materials in the MOODLE platform. They requested for uploading the course materials well in advance for the respective topics on the MOODLE platform. This helped the students to prepare basics related to the lecture and make the class room more interactive.
- HoDs had deputed fresh / young faculty members to suitable faculty development programmes / workshops to enhance their teaching methods.
- The special coaching classes held for weak students were highly acknowledged by the student community. Hence in this regard, based on the performance of the Mid Test – I, HoDs identified slow learners / weak students in the respective courses. The departments conducted special coaching classes to cater the need of weak students.
- Students had requested for guidance in completing NPTEL assignments. Hence HoDs arranged for helping students by way of conducting extra / additional classes with the help of faculty members handling MOOC's courses. It helped the students in completing the assignments periodically before the deadlines.
- Students had requested to provide more industrial exposure. This was achieved by arranging visits to multiple companies. It helped them to have more practical aspects / real time experience in industry adding value to theoretical knowledge.

Parents Feedback Report

- Parents were satisfied with facilities and amenities available on campus to their wards.
- Parents also appreciated the IMS system available at MITS. They are aware of their wards attendance and regularity to the college premises. The college administration has started sending SMS to parents on students' attendance for every course lecture.
- Parents have requested to improve their wards skill sets to make them employable.

Alumni

- Alumni feedback shows satisfaction for academic facilities and faculty's dedicated teaching efforts at MITS.
- Alumni have expressed satisfaction for placements.

- The alumni also suggested for conducting value added additional short term courses, certification programs and skill enhancement programs. The college has taken this suggestion for implementation and work on the same in progress.
- Alumni have offered for conducting seminars / tutorials in respective departments for students based on their industrial experience.

Employer:

- Employers have general opinion about MITS students to be hardworking and committed to their work responsibilities.
- Companies employing MITS students have satisfactory opinion on technical strengths of students.
- Many of employers have found that the retention rate of MITS students is comparatively better.
- A few companies have felt that communication skills of MITS students need to be improved.
- A few other companies have suggested that students can be trained in very recent and emerging domain which will increase placement opportunities.

Annexure III

Best Practices

Best Practice 1

Transformation of international internship to global immersion

Objective

The objective of the internship aboard program was to expose the students to the global corporate and academic environment. It is also expected to sensitize the students about the requirements of the real world and enable them to prepare themselves in line with these requirements at global level.

The effort that started in 2016-17 has matured into a global immersion through which the larger objective of internationalization of the institute through MOU with education institutes and companies abroad has been achieved.

Context:

In the current competitive environment, the students need to be trained/prepared to work with people from diverse cultures, various geographic regions, and different language speaking countries. The global immersion program provides an apt platform for enrichment of students not only academically but also professionally.

The practice:

- The institute used its network to identify internship opportunities in different countries.
- The students are selected based on their academic performance, personal interest and technical interview.
- The progress of the students is monitored, and relevant counselling is provided from time to time.
- The students are required to submit a project report on completion of the internship.
- The students acted as brand ambassadors to develop cordial relationship with the organizations and institutions.
- The institute proposed signing of MOUs for an enduring relationship and exchange program.

Evidence of success:

- Google invited 9 students to Goa to be the speakers on Google Developers' Day India Program during Feb 2018.
- Mr P Charan Sai is selected to participate in Asia –Pacific Innovation Academy to be held at Shengen, China and received a scholarship of 1400 Euros.
- 6 UIF students are selected as fabulous fellows by Stanford D School to coordinate Eastern Hemisphere Meet-Up to be held at Bangalore in which Asia –Pacific & South African countries are participating.

Faculty Contribution:

All departmental mentors of students have guided them to compete, successfully, at international level and qualify for the prestigious fellowship.

Problems Encountered:

- Guiding students to compete at international level for the internship has been a challenge.
- Student found it bit difficult to travel and manage themselves, especially if they travelled first time abroad.
- Communication with foreign accent was another challenge at times for a few of the students.

Best practice 2**Title of the practice: Health and Fitness for better life**

The health and fitness through yoga started in the previous academic session has inspired the institute to launch a more comprehensive program under the name of Health and fitness for better life.

Objectives of the practice:

- To create awareness about the meaning of health and fitness among the students and faculty
- To provide an opportunity for the students and faculty to improve their fitness levels through yoga and sports activities.
- To provide a healthy diversion from routine work life for faculty
- To enable students to develop their dormant sports skills

Context:

Students tend to give lower importance to sports in comparison to academics. In view of this the institute has taken it as its responsibility to sensitize them with the need for healthy diversion in the form of yoga and sports. A better physical health is bound to help students perform better in academics also.

The practice:

- Apart from the sports hour in the time table the students are motivated to participate in playing games after the college hours.
- A special bus leaving the college at about 7 pm ensures that students are dropped back in Madanapalle town
- The college Gymnasium is open in the evening hours for those interested in using the facility

Evidence for success:

- More and more students including girls have been found to be taking interest in various forms of sports.
- Many students play different sports after the college hours as their daily routine within campus.
- Student participation in sports events organized at district level has been improved significantly.
- The college Volley ball team has won first prize at the university level competition.

Faculty Contribution:

- The physical education director has motivated and coached the students in various forms of sports.
- Different teams for different games have been formed at institute level comprising of students from all the programs.

- Special sports tournaments have also been organised for faculty in order to encourage and involved with students to give sports activities as priority.

Challenges:

- The student who are coming to college from far off places from campus finds it difficult to stay back for late hours for these activities due to time constraints.
- Some students have expressed their inability to manage sports with their academic and career priorities.

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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