



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
Name of the head of the Institution	Dr.C.Yuvaraj
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08571280255
Mobile no.	9160020789
Registered Email	naac@mits.ac.in
Alternate Email	principal@mits.ac.in
Address	Post Box No. 14, Kadiri Road, Angallu, (Village)
City/Town	Madanapalle
State/UT	Andhra Pradesh
Pincode	517325

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	19-Jun-2014																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr. R Varadarajan																		
Phone no/Alternate Phone no.	08571280706																		
Mobile no.	9100973231																		
Registered Email	iqac-coordinator@mits.ac.in																		
Alternate Email	naaccell@mits.ac.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://www.mits.ac.in/AQAR2017-18.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://mits.ac.in/ugac.html																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B++</td> <td>2.77</td> <td>2017</td> <td>23-Jan-2017</td> <td>22-Jan-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B++	2.77	2017	23-Jan-2017	22-Jan-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B++	2.77	2017	23-Jan-2017	22-Jan-2022														
6. Date of Establishment of IQAC	29-Jun-2015																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries																
FILE IS ATTACHED	09-Jul-2018		1																

[View File](#)**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. K. Kamakshi	ECRA	DST	2018 1095	4663000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Curriculum enrichment: IQAC actively involved in designing curriculum/syllabi considering outcome based education model as per industry requirements, curriculum of AICTE / IITs. The curricula are updated/revised on a regular basis in consultation with industry experts from various domains and stakeholders. 2. Research activities: IQAC promotes business startups to develop nascent ideas into commercially viable products through entrepreneurship development cell. The weekend lab facilitates, an initiative of the IQAC allows the students to work on innovative project ideas. 3. The SHARP program (collaborative research work between student internal faculty) was conceived by IQAC to encourage faculty to pursue high quality research and to promote research culture and help the institute transform into a world class institute. 4. IQAC works with the Industry Institute Interaction Cell (IIIC) to forge industry connection by signing MOUs, conducting guest lectures, workshops, seminars and industrial visits. Due to the continuous efforts of IQAC, industry sponsored labs have been setup such as APSSDC - Siemens, Sakrobotix Lab. Pvt. Ltd., Startup Centre IIT Bhubaneswar, EYantra Lab Setup Initiative (eLSI), IIT Bombay, Curl Analytics, Bangalore, Dassault Systems Foundation lab. 5. The IQAC has emphasized on research project

submission and as a result, in the last five years the amount of grants received from funding agencies has increased from INR 33.61 lakhs in 201415 to INR 124.32 lakhs in 2018 19. Further, during the last five years the number of papers published per year has increased from 30 in 2014 15 to 230 in 2018 19.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Preparation of strategic quality plan	Based on the strategic quality plan, all the activities of IQAC and the best practices of the institute are conducted.
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14. Whether AQAR was placed before statutory body ?

No

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

20-Sep-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

An ERP Tool in the name of GEMS was purchased from Advaya Softech Pvt. Ltd. This software is utilized for automation of academic and examination management activities. In 2018, the following examination activities are done using the GEMS tool: 1. Bulk uploading of marks. 2. Generation of Letter Grades and Grade Points as per the Academic Regulations. 3. Calculation of SGPA CGPA. 4. Publications of Results. 5. Analysis of results. 6. Generation of semester grade card. 7. Generation of Provisional Certificates. 8. Generation

of Consolidated Memorandum of Marks Certificates. 9. Generation of various reports Also, an Integrated Management System (IMS), a software platform utilized to manage classes, sections, timetables, attendance, attendance report, internal assessment, progress report, feedback, substitutions and other academic activities. Student mentoring is done effectively using IMS. The attendance data and academic performance of the students is intimated to their parents / guardians through IMS.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	01	Civil Engineering	30/06/2018
BTech	FILE IS ATTACHED	FILE IS ATTACHED	30/06/2018

[View File](#)

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	ALL DEPARTMENT	09/07/2018	18ENG101	09/07/2018
BTech	FILE IS ATTACHED	09/07/2018	FILE IS ATTACHED	09/07/2018

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	ALL DEPARTMENTS	09/07/2018
BTech	FILE IS ATTACHED	09/07/2018

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	09/07/2018
Mtech	Structural Engineering	20/08/2018
BTech	Electrical and Electronics Engineering	09/07/2018

Mtech	Electrical power systems	20/08/2018
BTech	Mechanical Engineering	09/07/2018
Mtech	Advanced manufacturing systems	20/08/2018
BTech	Electronics and Communication Engineering	09/07/2018
Mtech	Digital electronics and communication	20/08/2018
BTech	Computer Science & Engineering	09/07/2018
Mtech	Computer Science & Engineering	20/08/2018
MBA	Business Administration	06/08/2018
MCA	Computer Applications	06/08/2018
BTech	Information Technology	09/07/2018
BTech	Computer Science & Information Technology	09/07/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Business English	09/07/2018	30
FILE IS ATTACHED	09/07/2018	Nil
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	27
BTech	Electrical and Electronics Engineering	65
BTech	Mechanical Engineering	124
BTech	Electronics and Communication Engineering	218
BTech	Computer Science & Engineering	83
BTech	Computer Science & Information Technology	2
MBA	Business Administration	13
MCA	Computer Applications	108
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
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Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<p>The institute takes feedbacks from students, parents, alumni, faculty and employers using rubrics framed by the IQAC. The feedbacks are analysed and based on the result corrective/ preventive actions are taken. The results of the corrective/ preventive action taken are verified in the next cycle of the feedback. The curriculum revision is carried out as a continuous process wherein feedback is collected from the stakeholders every year and the boards concerned with syllabus revision meet at least once every year to review the scope and need for the introduction of new courses based on the feedback as well as the industry trends. Surveys: Surveys are being carried from the stakeholders such as students, alumni and employers using online/offline feedback forms. This also helps us creating awareness about the deviation in any of these if any, to take necessary corrective actions and further for working towards achieving the POs and PEOs of the Programme. Suggestion boxes are provided in departments, hostels and common areas and important suggestions and urgent grievances are directly reported to the authority concerned and the necessary corrective measures are taken.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	FILE IS ATTACHED	Nil	Nil	Nil
BTech	Electrical & Electronics Engineering	120	99	99

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	4634	921	239	57	296

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using	ICT Tools and resources	Number of ICT enabled	Number of smart classrooms	E-resources and techniques used
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	ICT (LMS, e-Resources)	available	Classrooms		
296	296	1	85	6	1
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring is administered by IMS (Integrated Management System) Each faculty is allotted 20 students depending on teacher student ratio in each department. Teacher develops a thorough bonding with the students by going through the profile in general and addressing their issues related to academics, personal placement and research. A minimum of three meetings will be conducted per semester one group meeting and two individual meetings. Provision of academic and counselling support is offered to all the mentees. Impact of Mentoring System: 1. Many personal problems were resolved like homesickness, academic pressure etc. Students are driven goal oriented. 2. Faculty students research collaborations have enhanced. 3. Increased participation of students in Hackathons Conferences. 4. Students were groomed to be self-directive and less dependents. 5. Participation in local, nation and international conferences, workshops, paper presentation, internships and global immersion programs have been enhanced. Student Mentoring: 1. Attendance: Monitoring by collecting a list of frequent absentees and motivating the importance of classes to students every month till the end of the semester. 2. Hourly SMS: Hourly attendance management system through IMS. 3. CCTV Surveillance: Classroom activities are monitored by CCTV and floor in-charges extend their support. 4. Disciplinary Committee: Disciplinary Committee monitors the entire campus from 9.00 am to 5.00 pm

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5555	296	1:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
272	308	Nil	92	201

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.P.V.VENKATESWARA RAO	Associate Professor	Best Paper Award - FICTA 2018 - DU Y TAN UNIVERSITY VIETNAM
2018	FILE IS ATTACHED	Associate Professor	FILE IS ATTACHED
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
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MCA	1F	III/II	30/05/2019	06/06/2019
MBA	1E	II/II	12/07/2019	03/08/2019
BTech	05	IV/II	07/05/2019	02/06/2019
BTech	04	IV/II	10/05/2019	02/06/2019
BTech	03	IV/II	20/05/2019	02/06/2019
BTech	02	IV/II	18/05/2019	02/06/2019
BTech	01	IV/II	10/05/2019	02/06/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
81	5452	1.485

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.mits.ac.in/assets/pdf/admin/popso.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
00	BTech	FILE IS ATTACHED	Null	Null	0
01	BTech	Civil Engineering	131	126	96.19
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.mits.ac.in/assets/pdf/admin/sss-survey.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
FILE IS ATTACHED

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Sudeep surendran	Post-doctoral fellowship	06/08/2018	Linkoping University
International	FILE IS ATTACHED	FILE IS ATTACHED	09/07/2018	FILE IS ATTACHED

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	FILE IS ATTACHED	1	1
Major Projects	1095	FILE IS ATTACHED	1	1

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.09

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Project Expo-JNANABHERI	MITS Innovation Center	04/08/2018
FILE IS ATTACHED	FILE IS ATTACHED	04/08/2018

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
First Prize in Grand Finale of Smart India Hackathon-2019	Team TRINETRA	MHRD	12/07/2019	Hardware
First Prize in Grand Finale of Smart India Hackathon-2019	Team-Innovative People	MHRD	03/03/2019	Software

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
ECE	1
CHEM	1
PHY	1
MAT	2

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Chemistry	9	4.8
International	FILE IS ATTACHED	Nil	4.8

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Physics	3
Maths	4
Civil	2
ECE	14
EEE	4
CSE	7
ME	9

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Design Of Automatic Garden Sprinkling System with Mobile Alert	Published	201941020830	09/07/2018
FILE IS ATTACHED	Published	FILE IS ATTACHE	09/07/2018

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	2018	0	FILE IS ATTACHED	Nil

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	2018	Null	Null	FILE IS ATTACHED
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	45	65	6	42
Presented papers	27	4	Null	Null
Resource persons	10	10	4	Null
No file uploaded.				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dept. of Civil Engineering	Concrete Roads Testing	Executive Engineer, Panchayat Raj, Madanapalle	8.15
FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	0
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	0	0
No file uploaded.				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
FILE IS ATTACHED	FILE IS ATTACHED	Null	Null
FILE IS ATTACHED	FILE IS ATTACHED	Null	Null
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students
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			Benefited
CATC-II (Combined Annual Training Camp-II) held at Chittoor from 12-06-2018 to 21-06-2018.	Awards to participate in various activities	35(A) battalion	10
FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	Nil
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachhata Hi Seva	MITIS-NSS	NSS	120	5
World Aids Day Awareness Rally	MITIS-NSS	NSS	20	1193
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Rise and Shine Group of companies - Dubai	Mr. Ashok Kumar. P	Self-Sponsored	90
FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	0
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	26/06/2018	26/07/2018	FILE IS ATTACHED
FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	26/06/2018	26/07/2018	FILE IS ATTACHED
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs

Providence University, Taiwan	10/03/2018	Faculty/student exchange, Research	20
FILE IS ATTACHED	09/07/2018	FILE IS ATTACHED	Nil
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
73000000	57259029

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Nil	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Soul (Software for University Libraries)	Fully	2.0.0.11	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	1	1	1	1	2	2
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nil
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1156	9	360	1	9	48	143	360	36
Added	340	4	0	0	0	0	0	0	0
Total	1496	13	360	1	9	48	143	360	36

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

360 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	NIL

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
73000000	9861680	73000000	6227206

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Laboratories: All departments in institute have separate laboratories. The faculty lab in-charges lab assistants under the direction of HoDs concerned, strictly inspect the lab equipment before the commencement of practical classes and lab examinations. The computers and electrically sensitive equipment in lab are provided with electrical backup to ensure steady functioning and to safeguard against voltage fluctuations. All the equipment in laboratory calibrated frequently by external certified agencies. **Library:** Library is open for students every day from 8 am to 8 pm. The students are allowed to take on loan 4 library books for a period of 14 days. It can be renewed for another 14 days. The teaching faculty are allowed to take 6 books per semester. **Sports and Gymnasium:** Sports equipment is issued to the students on request. The students use Gym under supervision and guidance of Director of Physical Education. Stock verification of sports items is conducted at beginning of semester. **Computers:** A Senior Administrative Officer and his team manage and maintain the centre. MITS has annual Maintenance agreement which includes the required software installation, antivirus and up gradation. To minimise e-waste, electronic gadgets projectors, computers, printers, photocopiers are serviced, reused. All computer complaint calls are attended immediately by assistants. **Classrooms:** There are 90 classrooms available in the institute. The Principal of the institute allocates classrooms to all departments. All classrooms are provided with necessary furniture and LCD projectors with internet facility. **Dispensary:** A Medical Officer and a qualified nurse take care of the dispensary. The necessary medicines are given free of cost to all. One ambulance is provided for the dispensary to take care of emergency cases. All students, faculty and staff of institute can avail this facility. Regularly pharmacy is verified based for expiry dates of medicines. **Transport:** The institute provides transport facility to the students and faculty. There are 18 buses and 21 cars. AO maintains all vehicles with a team of drivers, cleaners and transport workers. Servicing and insurance are done regularly to all vehicles. **Powerhouse and Power Backup:** The institute is connected with a 315 KVA transformer and 150 KW Solar Plant and two generators power supply. There are 23 UPS with a capacity ranging between 10 KVA -30 KVA as power backup to all computers in institution. The Assistant Manager (Electrical) and Assistant Manager (Electrical and Maintenance) with a team of assistants maintain the entire electrical system of institution. **RO-water facility:** The entire institute is provided with clean and safe drinking water through RO System. The RO water

facility is supervised by Assistant Manager and maintained by Annapurneswari Enterprises, Anantapuram as per safety standards. Housekeeping: Two housekeeping supervisors work under the Site Engineer. The supervisors direct the sweepers and janitors to maintain the cleanliness of classrooms, rest rooms, common areas offices, libraries and computer labs every day. Canteen: Canteen facility is provided to students, faculty and staff of institute. The canteen is outsourced. A committee continually monitors and maintains the quality, hygiene and prices of the food items.

<https://mits.ac.in/assets/pdf/admin/policies.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	FILE IS ATTACHED	0	0
Financial Support from Other Sources			
a) National	FILE IS ATTACHED	Nil	0
b) International	FILE IS ATTACHED	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
FILE IS ATTACHED	01/07/2018	Nil	FILE IS ATTACHED
FILE IS ATTACHED	01/07/2018	Nil	FILE IS ATTACHED
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Guidance for GATE	169	1134	31	928
2018	FILE IS ATTACHED	Nil	Nil	Nil	Nil
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Accrete Globus Technology Pvt Ltd - Bangalore, Deepak - 080-42044343	150	2	Hyundai Motor India Engineering Pvt Ltd	80	5
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	BTECH	CIVIL	JNTUA	M. Tech Computer Aided Structured Engineering
2018	1	FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	1
GATE	11
TOFEL	1
Civil Services	14
Any Other	4
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
FILE IS ATTACHED	FILE IS ATTACHED	Nil
Freshers Day Sports	Institutional	800
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for	Number of awards for	Student ID number	Name of the student
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			Sports	Cultural		
2018	KL University Athletics Championsh ip - I- Place	National	1	Nill	1	E. Balaji
2018	FILE IS ATTACHED	National	1	1	1	FILE IS ATTACHED
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Response: The Institution established Student Quality Assurance Cell (SQAC) in the year 2015. It works under IQAC and consists of a Coordinator and Members. The SQAC works for the quality of students by extending timely support and coordination and plays a vital role to assure students, an invariably transparent environment for academic and extra as well as Cocurricular activities under a student council consists of President, Vice President, Program Chair person, Resource person and a treasurer. Role of students in Administrative activities - 1.The student council of SQAC opens invitation to all students to register themselves soon the semester begins. 2.The class committees in all branches take care of the registrations. 3.Meetings are conducted with all the registered students to discuss on future programs and commitments of each section/class. The class committee consists of one male and one female representative. In absence of either one of the representatives, the substitute shall act as the committee member to fulfil obligations. 4.The council will invite proposals for representatives as well as future events. 5.They prepare calendar for the semester and allow to conduct events throughout the semester. Role of students in Academic activities: Senior Student coordinators conduct Seminars and Workshops so that juniors be benefited out of difficult subjects, get awareness regarding recent trends in Technology. Career counselling is the major aspect being organized by the coordinators through alumni. They conduct meetings to discuss on syllabus completion and question paper designing during MID exams. There is a suggestion box arranged in each block of the Institution for students so as to get their issues resolved regarding academics and also for any new proposals that are helpful for students to bear knowledge and handsome results. The student council: The student Council make sure that all the clubs should carry their activities smoothly and effectively according to the calendar for the semester. There are departments who will help the coordinators of the clubs to assemble either infrastructure or targeted audiences. Students will take membership in to each committee and work to promote their club. The following are the various clubs Technical and Non-technical which are run by student council. MSR club (MITS Social Responsibility) Sports club Event Management club Yoga Meditation club Arts Cultural club Tech Club Film Makers club SAE (society of automotive engineers) India Collegiate club AMCC Club The institution constitutes student committees for organizing various events every year. The appointment changes for every academic year so as to encourage different number of students in different streams. The following are different events for which student committees are constituted for the year 2018-2019. 1.Freshers day Committee 2.Technical Committee for two-day fest (ASHV) 3.Cultural Committee for two-day fest (ASHV) 4.Sports Committee for two-day fest (ASHV) 5.Annual day Celebrations Committee 6. Student Activity Center (SAC). During Techno-Cultural-Sports Fest students design their own website to carry promotional activities across the nation since the fest is organized for two days at National level.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

MITSA Alumni Welfare Association is established and registered under the Andhra Pradesh Societies Registration act 2001 bearing the number 431 in the year 2016. MITSAWA is formed with an aim to build an actively engaged alumni network. The association connects with alumni through various set of events and services. The Association supports active alumni participation in various institution activities like curriculum design, feedback, tech fests, guest lectures, internships and placements of the students. The association has connected more than 2000 alumni members to the college and conducted various programmes in the campus since its inception. The association organizes some special events that educate stakeholders in different areas like social responsibility, publishing newsletters, and most importantly raising funds for growth of their Alma mater. They conduct awareness programmes which provide a variety of benefits and services to their educational institution and fellow graduates. An alumni portal has been launched this year to meet the requirements of the digital world for online registrations and communication. MITSA is strategically working to make the alumni involved and engaged in students development. The core objective of the association is to create a good rapport between the Institution and alumni. They are successful in keeping required communication with alumni and work to inform them about timely changes and achievements about the Institute. The association organizes meetings every year. They discuss future plans in the meetings. The Institute is planning to conduct various non-financial platforms such as alumni challenge competition and alumni interaction week, so as to attract more alumni to contribute in the future. The alumni conduct mock interviews during their visit to the campus for the benefit of their juniors. They discuss on business and entrepreneurship opportunities and career counseling. While interacting with juniors, they make them aware of several trends that are mandatory in the present global scenario. The alumni also share their personal experiences, challenges successes and failures with students. This has been a very important event for the existing batch of students. They extend support and guidance in planning and organizing events that really help students to ensure the fruitful functioning of technical and non-technical clubs. A few members of alumni who became entrepreneurs provide inputs to students regarding startups and how to proceed with a new venture and to become employers. As the alumni extend a helping hand to the students existing, they are now active participants in social service, planning creative activities for rural students especially during weekends. There are some alumni who come forward with scholarships for their juniors who are really in need and have financial constraint. An example of this kind is Nalgan Foundation scholarship led by an Alumni Chaithanya. Through the foundation four students were benefitted with an amount of 2,50,000. He is a model to existing students as to how one can serve the society. The alumni share their corporate experiences and guide students by providing their contact numbers and mail addresses for future communication and for continuous support.

5.4.2 – No. of registered Alumni:

2000

5.4.3 – Alumni contribution during the year (in Rupees) :

145000

5.4.4 – Meetings/activities organized by Alumni Association :

3 alumni meets / 20 activities

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The functioning of the Institute is highly decentralized. The organisational structure presents the flow of the authority, though upward communication, delegation, decentralisation and participative management is practiced extensively. For operational convenience and to meet any exigencies, certain financial powers are delegated to the Principal and Heads of the Departments.

Practice 1: Decentralisation is practiced in terms of financial autonomy to the Principal to a tune of Rs. 5,00,000/- per year and to the Heads of the Department to a tune of Rs. 40,000/-. Principal is the signing authority of all the cheques/bills payments of the Institute. Practice 2: Participative management is practiced in terms of conducting the events/activities by constituting several committees. Each committee is headed by a coordinator and few designated members who meet periodically and take decisions for effective delivery of benefits to the students. In order to ensure participative management and transparency, the college takes the following measures: 1.All the decisions taken by the statutory bodies pertaining to particular items are informed to all the staff by circulating minutes of meeting immediately. 2.All the issues are discussed and resolved during the HODs meeting chaired by the principal. 3.All the important pieces of information are sent to the faculty, staff and students through internal mails and are also displayed in the notice boards available in all the blocks. 4.All the circulars are circulated to the classrooms for reading. 5.All the faculties are the members in the Board of Studies. 6.Student attendance is posted every day by the respective faculty members on the college server (IMS software) such that the students and their parents can see day to day attendance and performance. In addition, the consolidated attendance is published in the notice boards for information to the students every month. 7.All the academic related information like academic regulations, syllabus, academic calendar, previous year question papers and examination notifications are made available on the website. 8.All important information regarding curricular and co-curricular activities are posted in the College website and in the respective department's portal. 9.The Mandatory Disclosure is available on the college website. 10.All the information about the college is made transparent on the college website. 11.The college website is linked to the Alumni Portal as well. 12.The college has arranged web mail facility to the entire faculty with individual IDs for faster and more accurate dissemination of information. 13.MITS is an ISO certified institution and hence thorough bookkeeping is done and files and documents are systematically maintained. 14.Department meetings are chaired by HODs to discuss and resolve all the relevant departmental issues. 15.Principal also handles classes and has a first-hand information of student expectations and reflections. Teaching staffs regularly participate in department meetings on Institutional Policies, Academic Regulations, Curriculum, Examination pattern, Research Incentive Policies, NBA and NAAC Accreditation Process etc. Heads of the departments in consultation with the faculty staff submit the budget proposals to the principal which through Finance Committee and Board of Governance are approved.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
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Curriculum Development

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. i) Since becoming an autonomous institution in the year 2014, MITS has given utmost priority to keeping the curricula relevant and up to date with respect to the industry requirements and student needs. ii) The curricula for all the programmes offered at MITS are developed through an elaborate process that ensures the involvement of all stakeholders: ? Students ? Industry ? Faculty ? External academicians ? Officials of the affiliating University. ? Contributions from stakeholders are incorporated in the process of curriculum development through: ? Structured surveys ? Their participation in statutory bodies like Department Advisory Boards, and Board of Studies. ? Following benchmarks are duly considered during curriculum design and development: ? Guidelines of the regulatory bodies like AICTE ? Recommendations of the affiliating University ? Curricula from institutes of national repute ? Syllabi of competitive exams like GATE and IES ?

The curriculum revision is carried out as a continuous process wherein feedback is collected from the stakeholders every year and the boards concerned with syllabus revision meet at least once every year to review the scope and need for the introduction of new courses based on the feedback as well as the industry trends. ? Since MITS exclusively offers professional degrees, all the courses in all programs are intended to contribute to either skill development of students, their employability or their entrepreneurship readiness. ? A significant portion of the curriculum for each programme comprises discipline electives as well as open electives wherein the students select their preferred courses from a large set of options which provide them with ample choice in courses (CBCS) they pursue to fulfil the credit requirements of their degree. ? For holistic training of the students, beyond the curriculum courses are regularly administered to add value in aspects other than technical and analytical skills. ? For all the programs offered at MITS it is mandatory for students to do a project in the final year. In addition to this, students in earlier stages of programmes have also been actively undertaking field projects, internships, or student projects.

Teaching and Learning

Teaching and Learning Faculty members have been trained on recent advances in ICT such as flipped classroom, use of smart board, lecture video capture, etc. All the classrooms 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 SWAYAM NPTEL courses are mandatory for UG Engineering programmes. Presentation in the form of seminars, preparation of models for diverse types of equipment, Industrial visit for better understanding of concepts, guest

lectures from eminent persons working in relevant fields and technical paper reading, report writing etc. make the student understand and learn better.

Several methods have been adopted for innovative teaching and learning:

Experiential learning: Research Development Cell is established at institute level to promote research innovation and consultancy activities. Student High Action Research Program (SHARP) has been initiated by the institute from the year 2018 to foster research culture amongst the young budding engineers. The objective of this programme is to encourage students to work collaboratively with faculty members in various research domains.

This programme has improved the technical competency level of students and resulted in enhancing career opportunities for students either in the form of employment or higher studies. Innovation and Incubation centre of MITS motivates students and faculty members to take part in innovation, idea generation and product development. The institute has established centres of excellence and industry supported labs to train students in the latest emerging technologies and thereby provide research opportunities for students, faculty members and researchers.

Participative Learning: The institution has scale up Classroom facilities to enhance participative and collaborative learning. Programming courses are conducted in the scale up Classrooms to enhance participative learning from their peer group. Video lectures, animations and webinars are incorporated based on the needs of the course by the faculty members. This helps the students to learn concepts in a better way, enrich self-study methods and improve analytical skills.

Introduction of mini projects in the curriculum help them to gain practical knowledge in various emerging technologies. Video lectures delivered by varied eminent resource persons are available within the digital library. The faculty and students are encouraged to utilize E- Tutorials of NPTEL. Project-based-learning helps students make prototypes/working models of different systems for real time

applications. Students are encouraged to do projects to enhance qualities such as technical competencies, teamwork, presentation and communication skills. To promote self-learning, the institute supports the students to earn a few credits through Massive Open Online Courses (MOOCs) by the providers like Swayam NPTEL. Many laboratories are equipped with cut section models through which the faculty can demonstrate the systems internal parts and function effectively for the students. Training on MATLAB / SCI Lab / CATIA / STACKPRO are imparted to students in laboratories through modern ICT Tools. Students are taken to different industries on industrial visits to expose them to industrial demands / requirements and work culture. Students are encouraged to participate in National level and international level competitions such as Smart India Hackathon, Mini Satellite, Virtual Cloud Computing. Outcome Based Education: Outcome Based Education is being practiced in true spirit. This has resulted in enhancing the overall skill development of the students.

Examination and Evaluation

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

- All answer scripts are printed with barcodes.
- Question papers adhere to Bloom's taxonomy.
- Continuous internal assessment for all the theory courses, mandatory submission of assignments with 10 and 20 marks (R16) 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 Undergraduate (UG) students to study CBCS courses as per the curriculum structure.
- MITS is using double blind valuation system.

All the Internal and End Semester Examinations for UG PG Programmes shall

be conducted as per the below regulations. • The performance of a student in each semester shall be evaluated course wise. • Performance evaluation in each course (theory/practical) shall be based on a total of 100 marks. The relative weightage for Internal Evaluation and End Semester Examination shall be followed as below:

UG Programmes (as per R14 R18 Academic Regulations): Internal Evaluation: 40
End Semester Evaluation: 60 PG Programmes (as per R16 Academic Regulations): Internal Evaluation: 50
End Semester Evaluation: 50 PG Programmes (as per R18 Academic Regulations): Internal Evaluation: 40
End Semester Evaluation: 60 •

Audit/Mandatory courses shall be evaluated entirely on the basis of internal evaluation. Continuous Internal Assessment The total internal weightage for theory courses is 40 /50 marks for UG/PG Programmes with the following distribution. UG Programmes - 40 Marks (as per R14 R18 Academic Regulations): Mid-Term-Test: 30 Marks Assignments: 10 Marks PG Programmes - 50 Marks (as per R16 Academic Regulations): Mid-Term-Test: 30 Marks Assignments: 20 Marks PG Programmes - 40 Marks (as per R18 Academic Regulations): Mid-Term-Test: 30 Marks Assignments: 10 Marks End Semester Examination For UG PG Programmes, End semester Examinations Question Paper Pattern is strictly adhered to corresponding Academic Regulations. Evaluation • The answer scripts shall be evaluated by internal examiners of MITS and External Examiners from other Institutions/Universities and shall be supervised by Chief Examiner. • Final marks Average of two examiners awarded mark (R14 R16 Academic Regulations) • Final marks 80 of higher mark 20 of lower mark (R18 Academic Regulations) Practical Examinations The internal evaluation for practical courses shall be 40/50 marks for day-to-day work based on conduction of experiment/prerequisite work/ record/ Viva. The end semester examination shall be conducted by the laboratory teacher concerned and one senior teacher of the same department nominated by the principal. In a practical course consisting of two

parts (ex: Electrical Mechanical Lab), the end semester examination shall be conducted for 50/60 marks in each part and final marks shall be arrived by considering the average of marks obtained in the two parts. Internal examination shall be evaluated as above for 40/50 marks in each part and final internal marks shall be arrived by considering the average of marks (R14 R16) and 80 of higher mark 20 of lower mark obtained in the two parts.

Audit/Mandatory courses An audit course is an educational term for the completion of a course of study for which a nominal assessment of the performance of the student is made without awarding grades. In this case, audit indicates that the individual merely has received teaching and achieved a given standard of knowledge of the subject, rather than being evaluated. A student who audits a course does so for the purpose of self-enrichment and academic exploration.

Massive Open Online Courses (MOOCs) In general, MOOCs providers provide the result in percentage. In such case, the departments shall follow the grade table given while providing CGPA for the MOOCs. • In case of any deviation, the committee appointed by the principal shall take a decision for converting MOOC results into the relevant grade points. • The Credits for MOOC(s) shall be same as given for the respective discipline core or discipline electives. • The details of MOOC(s) shall be displayed in Grade card of a student, provided he/she submits the proof of completion of it or them to the department concerned through the Coordinator/Mentor, before the end semester examination of the particular semester. • The Provisional Degree Certificate and/or consolidated grade sheet shall be issued only to those students, who have submitted proof of completion of MOOC(s), for the courses they have registered with.

Supplementary Examinations At the end of each Semester there will be regular examinations for the current Semester.

Those students who could not clear their courses in their previous attempt can appear for the examinations under supplementary category along with the regular students after registering

themselves at the examination section.
For More Details: <https://mits.ac.in/assets/event/Hand20Book20UG2020PG20Examination20Process.pdf>

Research and Development

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 RD 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. Madanapalle Institute of Technology and Science (MITS) has been constantly encouraging faculty, researchers and students towards research-based activities and achievements. Since the inception, the mission of MITS has been to be the centre of excellence providing immense knowledge and service to people in and around Madanapalle and to the extended world. To mobilize research activities and to establish consistent performance, MITS has been constantly upgrading and frequently calibrating the research facilities. MITS has NABL accreditation on the Testing and calibrations on the facilities to meet the state of art technology requirements. The Research and Development division has its major focus in promoting the research culture in the institution. Policies pertinent to research and related activities are devised and focus on the promotion of research among Student and Faculty. For Faculty: ? Provision of seed grant for promoting research. ? Provision of Financial assistance to publish/present research papers in SCI/SCOPUS/IEEE/ADBC indexed journals/conferences. ? Encouraging to register for Ph.D. ? Encouraging to submit research project proposals to the funding agencies Facilitating and encouraging faculties to file technology and design patents. ? Release of timely grants ? Timely

auditing, utilization certificates submission to the funding authorities providing incentives for Projects, Publications consultancy ? Advancing funds for sanctioned projects For Combined promotion of research to Students and Faculty: ? Establishment of the Incubation Centre and start-up center ? Developing laboratories with ultra-modern equipment with updated software Establishment of Research Centres in all the departments For Students: Encouraging research activities through SHARP The Student High Action Research Programme (SHARP) was initiated in MITS in the year 2018 as student centered programme to foster the research culture within the campus and transform it into a world class institute. Besides this, the students are encouraged to work with the faculty in research and learn about publications from an early stage. It involves collaborative efforts by faculty and students in conducting the research activities within MITS college. The objectives are to involve the students in academic and sponsored research activities to exploit their classroom learning which will lead to outcomes useful for their career in further studies or employment. It also facilitates the faculty to conduct research in various areas of research and development that will lead to outcomes benefitting the students, faculty and henceforth the institution at large. Consultancy at MITS: Performing consultancy by an Institute disseminates knowledge and makes an early and direct impact on society. Research Development (RD) division at MITS promotes research, innovations, consultancy activities and protects Intellectual Property (IP). To enhance consultancy activities more effectively, a policy has been formulated that provides provisions for conducting consultancy by staff in alignment with the Institute's strategic and operational objectives. MITS is committed in making its expertise available through service to industry, commerce, government, professions, arts and other educational and research organisations. The policy devised covers the following categories of activities: ? Institute Research

Consultancy ? Institute Non-Research
Consultancy ? Private Consultancy

Library, ICT and Physical
Infrastructure / Instrumentation

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 is
provided to the students studying in
the library after college hours and
also free 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 classrooms 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 classroom to
be used for advanced learning. •
Madanapalle Institute of Technology
Science has adequate and excellent
infrastructure and physical facilities
for teaching and learning. The
institute is spread over 26.17 acres of
land with more than 33,081 Sq. Mt built
up area. • The library operations such
as circulation section, cataloguing
section are fully automated using SOUL
2.0 ILMS software developed by
INFLIBINET, Ahmedabad. The reading
materials are classified under the
Dewey Decimal Classification Scheme
(23rd edition). The students, teaching
faculty and staff are issued a single
barcode membership cum library identity
card. The user of the library can use
the same identity card for borrowing
books. • The library started its
operations in 1998. It is centrally
located in the institution with an area
of 1626 sq. mts. It can accommodate
more than 500 students/users at a time.
The library has a vast collection of
61,086 volumes of books with 9,882
titles. There are 587 Back Volumes,
3382 CDs and DVDs in the library. MITS

subscribed to 147 Print Journals for all the disciplines. The visitors can access 15,410 online Journals and 1,38,821 E-Books in the library. Leverage of ICT tools to enhance teaching-learning process. On the recommendation of the IQAC the institute has equipped all the classrooms with ICT devices such as Wi-Fi, LCD projectors. Some of the classrooms are equipped with audio systems and smart boards. IQAC encourages the faculty members to leverage the ICT for including audio-visual content in their lectures and e-books for reference to enhance the quality of teaching and learning process. The distinctive features of the programs offered by the institute are: ? MOOCS/NPTEL courses with credit transfer facility ? Live delivery of high-quality lectures using video on high-speed internet. ? Interactive eBooks - the students and faculty can access 138821 e books and about 6175 e-journals through our subscription to digital databases. ? E-Quizzes and online evaluation are used for continuous internal evaluation of students. ? Moodle platform is used for course delivery, course material dissemination and submission/evaluation of assignments. ? IMS software is used for easy monitoring of the performances of the students and timely mentoring/guidance. ? The placement department provides an updated list of links to online resources for practicing group discussion, mock interviews and online tests. The impact of these recommendations and their compliance is evident from the performance of the students not only in the exams but also in acquisition of admissions to higher studies particularly in educational institutions abroad. Additionally, the growth in number of students participating and succeeding in the global immersion program is an evidence for the effectiveness of the efforts made by the institute supported by the IQAC team.

Human Resource Management

Human Resource Management • The human resource department is headed by a dedicated HR Manager who prepares the 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 Principal who formulates strategies for ensuring diversity in terms of experience and place of origin in 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. • 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 of 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 is enhanced 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 is shortlisted based upon the candidate's research publication, innovation ability and experience. • To employ and retain adequate Human Resource for teaching as well as administrative functioning. • To bring out continuous improvement in the employees. • To organize FDPs, Conferences, Training programs/workshops also sponsor the faculty. • To sponsor the faculty for higher education in the Institutions like IITs, NITs. • To organize special training like MS-OFFICE, TALLY for non-

teaching and supporting staff. • To have enhanced use of computers in administration and student support. • All kinds of leaves and benefits are given to the teaching and non-teaching staff as per AICTE/UGC norms during service period and post retirement.

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 rich 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. • IQAC collaborates with the Industry Institute Interaction cell (IIIC) to forge industry connection by signing MoUs for internships, projects, research, and industry visits. This bridges the gap between the theoretical and practical aspects of the curriculum as well as academic and corporate world. The IIIC engages visiting faculty/professors and Industry experts for conducting workshops, seminars, and meetings. It also helps the department in joint research programmes and field studies by faculty and students based on industry's requirement. The institute has established centres of excellence and industry supported labs to train students in the latest emerging technologies and thereby provide research opportunities for students, faculty members and researchers.

Admission of Students

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. The State Council of Higher Education, Government of Andhra Pradesh offers wide publicity for admission into different institutes in Andhra Pradesh for UG and PG Programmes in Professional courses like B. Tech, M. Tech, MBA and MCA. The State Council of Higher Education notifies EAMCET for admission into B. Tech, ECET (FDH) for admission into B. Tech lateral entry (II Year), and PGCET for admission into M. Tech and ICET for MBA MCA. The detailed information for admission into above programmes is made available through authorized website of APSCHE (<http://www.apsche.org>) The admission procedure is fully transparent, based on the merit and counselling done by APSCHE. Hence, there is no scope for any deviation. The Institute also creates awareness on admissions into professional courses by conducting various programmes/activities such as

1. Model EAMCET
2. Meetings with Principals of junior and degree colleges
3. Awareness programme 'CRESCENDO' for final year graduate students.
4. Awareness camps at counselling centers and villages
5. Wide advertisement through local national media

The institute publishes brochures highlighting vision, mission and policy of the institute, programmes offered, achievements, milestones and infrastructural facilities.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<ul style="list-style-type: none"> • Vision, Mission Statement and strategic plan are displayed on website. • Short term and long-term goals are also displayed on website and communicated to all stakeholders. • Functioning of various Committees of the Organization is displayed on Website. • Vacancies are advertised on the website and applicants are requested to submit soft copy of the resumes to the HR manager.
Administration	<ul style="list-style-type: none"> ? Administration • Main objective is to recruit faculty members in various

discipline in accordance to fulfil the vacancy and to develop the departments and educational methods in the institution. To provide academic leadership in the development and revision of courses and programmes to ensure that they remain attractive to students, are innovative, up to date, and of a high quality. To have oversight of the departments appointments policy, in consultation with colleagues, decide appointment priorities and help ensure that top-class staff is appointed. • To ensure that adequate arrangements are in place to select students, fairly allocate available scholarships and meet the recruitment targets agreed with the Planning Unit. To ensure that the teaching, research student supervision and examination programmes of the department are organized to fulfil obligations. To ensure that the quality of educational provision is maintained and where possible enhanced this includes acting upon the results of departmental surveys and other information about course delivery and teacher performance. • To ensure that preparations are made for internal and external reviews of teaching quality and educational processes. • To establish Minimum Staffing Level (MSL) deployment and non-staff budget share, make sure that expenditure is in line with budget part and that share is allotted equally amongst the staff are fair and clear. The staff is able to take advantage of their leave entitlements including legal entitlements to maternity, paternity, parental and adoption leave, and that appropriate cover is available to meet teaching obligations. • Corresponding with the university/commissioner of technical education, AICTE, New Delhi regarding intake of admissions and its relative correspondence and with the model centers of JNTU. • Notice for the meetings is circulated through digital media. • Biometric attendance is in place. • College academic activities are managed through IMS (GEMS)

Finance and Accounts

? Finance and Accounts • Students are encouraged to remit tuition fees through online banking. • Salaries are credited to staff accounts through online. • Payments to the suppliers is

made majorly through online. • Form 16 for the purpose of the income tax is generated and send through the mail ids of the staff members.

Student Admission and Support

? Student Admission and Support
Student Admission: • 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. B. Tech, M. Tech and MBA Courses Admission process is centralized and convened by APSCHE through common entrance tests such as EAMCET, ICET, ECET (FDH) and PGECET. Admissions are made in two categories (A B) Category A: 70 of the total seats are filled through online counselling carried out by APSCHE as per merit cum Reservation policy of the State Government. Category B: The institute makes 30 of admissions as per merit and guidelines of the APSCHE 20 Super Numeric seats of II B.Tech programmes are filled up with diploma holders based on their ranks obtained in ECET (FDH) and reservation policy of State Government by APSCHE. Ph.D program The institute has nine JNTUA Recognized Research Centres (RRC)in various departments. These centers provide research facilities for full time Ph.D scholars. JNTUA conducts common entrance test, 'RESET' for admission into Full-Time and Part Time Ph.D Programs. JNTUA allots full-time Ph.D Scholars to the RRC centers based on their rank in the entrance examination and eligible Guides available in the Research Centers. Students Support: • The faculty counsellors regularly mentor students and their progress is updated to the parents. Departments conduct parents meeting to discuss various issues related to the students. The suggestions received from the parents are being utilized for the

improvement of teaching learning process. The Training Placement Cell trains students in personality development and employability skills. Every department offers free coaching for competitive exams like GATE, PGECET. The institute provides academic calendar to the students every year. Sports Games Cell, NSS Cell and various clubs such as cultural club, social club, science club, yoga and meditation club etc., nurture students' interests and talents. Grievance Redressal Cell, Women Welfare Cell, Student Welfare Cell and Anti-ragging committee make students' campus life secure. • The vertical progression of students from one academic year to another academic year is strictly adhered to the regulations of the University. The Alumni Association organizes various events to maintain relation between alumni and the institute. • Automatic SMS for absentee, e-circular notifications • Online web portal for staff and students

Examination

? Examination 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 (R16) 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 Undergraduate (UG) students to study CBCS courses as per the curriculum structure. • MITS is using double blind evaluation system. • The concerned faculty member of the subject conducts a survey on incremental academic growth of different categories of students in his/her subject by monitoring the performance of the students in ? Class test ? Mid-Term test ? Tutorial ? Assignments and quizzes ? End semester

examinations ? Attendance • Question papers are framed by external experts and received by the CoE through e-mail.
 • Result declaration is online. For More Details: <https://mits.ac.in/assets/pdf/admin/eGovernance20Policy.pdf>

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr. Sanjay Kumar A C	"Laboratory Quality Management System Internal Audit as per IS/ISO/IEC 17025:2017", NITS, Bureau of Indian Standards, Noida	NIL	38527
2018	FILE IS ATTACHED	FILE IS ATTACHED	FILE IS ATTACHED	1

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	-	Two-day Induction Programme in "Politeness to be Followed in Official Communication"	11/07/2018	12/07/2018	Nil	15
2018	FILE IS ATTACHED	FILE IS ATTACHED	09/07/2018	09/07/2018	1	1

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the	Number of teachers	From Date	To date	Duration
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professional development programme	who attended			
High Performance Computing Architectures, Programming Models and Languages, Algorithms and Applications, Big Data, AI and Deep Learning, IISc, Bangalore	2	27/05/2018	31/05/2018	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
296	296	220	220

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Cashless Medical Insurance scheme for Teaching staff, their spouse, children and parents up to Rs. 3 Lakhs per annum. The entire family is covered through floater policy. Marginal contribution is taken based on the salary of the employees. • All teaching category are given sim card and roaming data facility for better connectivity. • Subsidized Transport Facility is provided to all teaching staff from the designated pick up points to the college and back. • Salary advance for teaching staff is extended on need basis. • Special leave for 6 days is given to all teaching staff for their marriage. • Teaching staff are provided with academic 	<ul style="list-style-type: none"> • Fee concession in college seats is provided to the wards of non-teaching staff. • Coverage under PF Act as per the salary limit is extended to all non-teaching staff. • Coverage under ESI Act is extended to all non-teaching staff as per the salary limit under the Act. 	<p>MITS set up a dedicated division, called Student Welfare Cell (SWC), headed by a Student Welfare Officer (SWO), to act as a nodal point for information and support to the students seeking financial support and other related services. Through the efforts of SWC:</p> <ul style="list-style-type: none"> • Topper from each branch/year are provided with tuition fees waiver. • Financial support provides for participation in Smart India hackathon and e - bike competitions. • Over 63 of the students received financial assistance from government agencies. • Over 10 of the students secured monetary support from the institution and non-governmental agencies. To improve the

leave for 6 days in an academic year. This academic leave is for the propose of defending thesis, attending viva-voce examination for their Ph. D scholars etc.

- Faculty members are encouraged to take up sponsored research projects, research publications, patents and consultancy and cash incentive is a paid as per the Institute's policy.
- Newspaper is provided to all teaching staff so that they are updated with national and International events.

employment and higher education prospects of the students, beyond the curriculum training is offered to students through skill enhancement activities and guidance for competitive exams.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute conducts regular financial audits. The institute has a formal mechanism for internal and external audits. The accounts are regularly audited to ensure financial compliance. Internal Audit: The internal audit is a continuous process by the finance committee with members from academia and accounts through a methodical verification of all payments, receipts, vouchers of the cash transactions, ledgers and cash book.

6.4.1 Institution conducts internal and external financial audits regularly. (with in 100 words each) The institute conducts regular financial audits. The institute has a formal mechanism for internal and external audits. The accounts are regularly audited to ensure financial compliance. Internal Audit: The internal audit is a continuous process by the finance committee with members from academia and accounts through a methodical verification of all payments, receipts, vouchers of the cash transactions, ledgers and cash book. External Audit: The external auditor/agency, PS Chaitanya Co., Chartered Accountants, appointed by the Management, performs audit of books of accounts and financial statements of the institute. The financial records are audited by qualified chartered accountants at the end of each financial year. The financial records, i.e. income and expenditures, balance sheet and prepared notes for accounts are certified by the Chartered Accountant. The Institution publishes audited financial statements on the institutions website as information for the concerned people. All government scholarships and funds received from the government as Grants like TEQIP-II are audited separately by the external chartered accountants appointed by the government. Audited financial statements are made public by placing it on the institutes website and are sent to the statutory and regulatory bodies. Financial Planning is exercised well in advance for the organization and efficient Budgeting Controlled Mechanism is done by involving the various Academic Departments and Administrative Sections of the Institute. The Heads of the Departments would submit the proposals for the department budget. These are reviewed and consolidated by the principal office and submitted to the finance committee. The finance committee after review and finalization would present the same to the board of Governors for approval. The board of Governors on thorough scrutiny would approve the budgets as it is or with certain modifications. The budgets thus approved are circulated to the concerned departments by the principal for thorough implementation. Financial

planning and review are done in periodic intervals through statutory - Finance Committee which is constituted as per the guidelines framed by the UGC. It is headed by the Principal with Dean Administration, Management representative, Faculty and Accounts Personnel as members. The Finance Committee meets twice a year and reviews the income- expenditure statements and suggests further action. The Management, through BOG looks into income and expenditure pattern and appropriate recommendations are given. Well-structured accounts and finance section is in place and every financial transaction is recorded through software Tally ERP-9. Financial Rules are in place in the Institute and "No-Cash" Transaction beyond statutory limit is followed. Fee Payment is encouraged through online mode.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
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6.4.3 – Total corpus fund generated

75011626

6.5 – Internal Quality Assurance System

6.5.1 – 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

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

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. Periodic meetings are arranged with the parents and teachers: 1. To improve performance of the students 2. To improve attendance and discipline. 3. To improve infrastructure. 4. To improve co-curricular activities support etc

6.5.3 – Development programmes for support staff (at least three)

Effective Welfare Measures 1.Cashless Medical Insurance scheme for Teaching and Non-teaching staff, their spouse, children andparents up to Rs. 3 Lakhs per annum. The entire family is covered through floater policy. Marginalcontribution is taken based on the salary of the employees. 2. All teaching and key personnel in the non-teaching category are given sim card and

roaming datafacility for better connectivity. 3.Coverage under PF Act as per the salary limit is extended to all non-teaching staff. 4.Coverage under ESI Act is extended to all non-teaching staff as per the salary limit under the Act. 5.Newspaper is provided to all teaching staff so that they are updated with national and internationalevents. 6.Subsidized Transport Facility is provided to all teaching and non-teaching staff from the designatedpick-up points to the college and back. 7.Salary advance for teaching and non-teaching staff is extended on need basis. 8.Fee concession in college seats is provided to the wards of non-teaching staff. 9.Faculty members are encouraged to take up sponsored research projects, research publications,patents and consultancy and cash incentive is a paid as per the Institute’s policy. 10.Teaching staff are provided with academic leave for 6 days in an academic year. This academicleave is for the propose of defending thesis, attending viva-voce examination for their Ph. Dscholars etc. 11.Special leave for 6 days is given to all teaching and non-teaching staff for their marriage. Avenues for Career Development Progression 1. The institute encourages teaching faculty to register for Ph. D programmes to enhance their career prospects. 2.At Institutional level seminars, conferences, workshops on advanced technologies and Innovativeteaching-learning strategies are regularly conducted for overall improvement of teaching skillswhich in turn will enhance career development. 3.In-house training programmes on English communication skills, Training Programme on OralPresentation, Interpersonal Skills and Computer related skills like MS Office, Excel spread sheetsand Office Support Software- MS Access and Database Management are conducted for nonteaching staff’s career growth. 4.Training programmes are conducted regularly on Pedagogy. NITTTR Chennai also conducted aworkshop on Pedagogy for the faculty members in December 2014. 5.Non-teaching technical staff are sponsored to attend various workshops related to their area forskills improvement. 6.Hands on training for non-teaching staff is provided to improve their practical skills. 7.Teaching staff members are encouraged to attend faculty development programs forenhancement/development of their career. 8.Faculty members are exposed to Management Capacity Enhancement Programme held in variousIIMs to improve their administrative skills. 9.In-house orientation/ training programs are conducted by the faculty for the new labs establishedfor skill improvement of non-teaching staff.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

- Information and Communication Technology (ICT) thrust in teaching learning is enhanced.
- Motivating/facilitating the faculty for intensive application of ICT tools.
- Internet reference facility in the classrooms.
- Training and placement activities are enhanced by arranging various training courses.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	To engage the students in major extension activities during their	09/07/2018	09/07/2018	09/07/2018	1

	period of study in the institution.				
2018	FILE IS ATTACHED	09/07/2018	09/07/2018	09/07/2018	1
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens Day	08/03/2019	08/03/2019	150	Nil
Competitions like pick and speak, essay writing and poetry	25/02/2019	28/02/2019	30	45
National Girl child Day	24/01/2019	24/01/2019	35	40
Workplace treatment of women	08/10/2018	08/10/2018	40	50
Projecting women in Television advertisements	28/09/2018	28/09/2018	20	45
Group discussion on social empowerment	17/09/2018	17/09/2018	25	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Percentage of power requirement of the College met by the renewable energy sources. 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. (61)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	Nil
Rest Rooms	Yes	2

Scribes for examination	Yes	2
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	21/07/2018	1	Vanam Manam	Given slogans on environment protection, Swachha Bharat, Clean and Green India.	950
2018	1	1	09/07/2018	1	FILE IS ATTACHED	FILE IS ATTACHED	1

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
B.Tech R-2014	05/03/2018	Elective course added in the curriculum to inculcate human values and professional ethics.
MITS Student Handbook	06/06/2018	https://www.mits.ac.in/assets/pdf/admin/Code20of20Conduct-Student.pdf
MITS Handbook 2018-19	06/06/2018	https://www.mits.ac.in/assets/pdf/admin/Code-of-Conduct-for-BoGPrincipal.pdf
Code of conduct for BoG / Principal of MITS	06/06/2018	https://www.mits.ac.in/assets/pdf/admin/Code20of20Conduct-Student.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Elective course added in the curriculum to	22/03/2019	22/03/2019	106

inculcate human values and professional ethics.			
International Womens Day	08/03/2019	08/03/2019	150
National Voters Day	25/01/2019	25/01/2019	120
World Aids Day Awareness Rally	01/12/2018	01/12/2018	1193
Swachhata Hi Seva	29/09/2018	29/09/2018	120
World Peace Day	21/09/2018	21/09/2018	400
International Literacy Day	08/09/2018	08/09/2018	560
Vanam Manam	21/07/2018	21/07/2018	950
No file uploaded.			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

• International Yoga Day conducted 21st June 2018 to promote yoga. • Teachers' day celebration on 05th September 2018 for Felicitation to Teachers. • International Literacy Day on 8th September 2018 to promoting literacy rate. • World Peace Day on 21st September 2018 which helps promoting peace globally. • NSS DAY (Week 18th to 24th September) on 24th September 2018 to motivate and encourage the volunteers. • National Youth Day on 12th Jan 2019 which empower the youth. • National Voters Awareness on 25th Jan 2019 to create awareness for voters. 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 campus is drawn from the solar power panels of 150 kW capacity installed on the terrace (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 outsand save paper. Sewage Treatment Plant: MITS is treating the effluent water from all the building efficiently for reuse 150 Kld plant. Vermicomposting Pit: The solid waste from canteen and mess is being collected from the respective places and treated at vermicomposting pit for using as fertilizers in gardening. Rainwater Harvesting System: MITS has facility for rainwater harvesting. 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.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Fostering Global Immersion through International Internships
Title: Fostering Global Immersion through International Internships
Objectives:
 v To provide qualitative challenging opportunities for the high achievers
 v To achieve a working knowledge of the practices through direct exposure
 v To promote intercultural awareness and communication
 v To gain opportunities to study and travel abroad and become an empowered global citizen.
 v To engage

themselves in better research labs and to pursue higher goals v To explore the value of different research models as benchmarks The Context: Provision for advanced training techniques to meet the international standards and rise to the global competition has been made. The Practice: § Providing internship abroad. § Sponsoring one-way airfare as an incentive by MITS. § Getting stipend from the Institution inviting our students. § Providing a choice in the Project/internship slot within the curriculum for pre-final year and final year students. § Motivating them to participate in open programs like NTU Singapore India Connect Program, MITACS Program or CCU Summer Internship etc. § Setting up of International Relations Office and identifying coordinators in all the departments to motivate and support the students with reference letters. § Connecting students to the international faculty to assimilate knowledge from high quality teaching. Providing guidance and interacting with parents to facilitate the higher education goals of the students. § Facilitating the advanced techniques like Skype and Hangout sessions to connect with international faculty. Evidence of Success: The success of this program is evident from the fact that overall 44 students were selected in the academic year 2017-18 and 2018-19 for Internships in various foreign countries like Germany, Japan, US, Finland, Dubai, Taiwan and Singapore. In the academic year 2018-19 there were 36 students selected for international internship from 8 students in academic year 2017-18. Further, eight students in academic year 2018-19 were selected for MS program in various international universities.

Internshala -Notable Mention Award-Andhra Pradesh-2018002E Faculty Contribution: All department mentors have guided and counselled their students to compete at the international level and qualify for the prestigious fellowship. Problems Encountered: Guiding students to compete at the international level for the internship has been a challenge. Students found it a bit difficult to travel and manage themselves, especially if they travelled abroad for the first time. Communicating with foreigners was another challenge at times for a few of the students. Best Practice 2: Promotion of Research and Collaborative activities: Title: Promotion of Research and Collaborative activities Objectives of the Practice: To encourage the faculty to continue research work for their own learning and keep themselves updated with rapidly developing technologies in the respective research areas. To develop interest in research and to promote active involvement of the students towards the research activities from early stages of their undergraduate program by working with faculty on specific/focused research. The Context: The Incentive Policy of MITS and "Student High Action Research Programme" --- SHARP programme were conceived to encourage faculty to pursue high quality research and to promote research culture in the institute thereby transforming MITS into a world class institute. The SHARP programme helps in identifying and encouraging meritorious students towards research from an early age. The Practice: § To encourage faculty, attractive incentive policy is followed. The faculty are provided with an incentive of Rs.25000 for publication of a research paper in SCI and Scopus indexed journals. The incentive is paid to the team of investigators of research projects with external funding. An incentive is provided for completing consultancy projects. The Institute has established Research and Development Cell which has been actively promoting research in the Institute. § Full Sponsorship (limited to Rs. 15,000/- each) is provided to the faculty for attending Conferences / Seminars / Workshops / Symposia. § The SHARP Programme for students is a unique initiative where 200 students each from 1st, 2nd and 3rd years, were selected based on their interest and academic performance. One student from each year is allotted to a faculty to work together on a particular research topic with at least 10 hours a week, besides their regular work. Performance is monitored on a monthly basis to assess the progress of the student. § The Institute has been giving preference to candidates from IITs/NITs/Foreign Universities while recruiting for faculty position. § There has been active student participation along with faculty members in national

and international symposia, conferences and journal publications. Evidence of Success: Quantitative outcomes in terms of the number of publications, patents, and projects for the past five years are given below: Seven Patents have been filed and published in the academic year 2018-19. Problems Encountered and Resources Required: § Selecting students from three different years and putting them together as a cohesive group for a particular research problem is challenging. § A few students dropped out after a year of study from the program due to various reasons, leading to problems in the team in the subsequent years.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://mits.ac.in/bestpractices.html>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Institutional Strength: 1. Visionary management to take the institution to greater heights in terms of quality. 2. MITS is ISO 9001:2015 certified. 3. MITS is categorized as "GOLD" by confederation of Indian Industry (AICTE). 4. All engineering departments are recognized as a Research Centre by JNTUA, Ananthapuram and further centres are being added. 5. AICTE, New Delhi and Internshala honoured MITS as the "Best Performing Institution" from the state of Andhra Pradesh, under the category of notable colleges. 6. Only PhD candidate entitled for teaching across all the courses. 7. As per college's new policy, quality Ph.D. candidates from IIT/NIT/central/foreign universities are preferred for faculty positions with very attractive packages. 8. MITS received "AAA" rating by NPTEL continuously from 2015 onwards. 9. Good faculty student ratio. 10. Institute is having DST-FIST fund for interdisciplinary research. 11. Located at calm, serene and environmentally friendly place. 12. Located close to Bangalore and Chennai for industrial research work. 13. Many facultie
14. Guidance from Distinguished Experts and Alumni represented on various Academic Bodies of the Institute. 15. Accreditations of all eligible UG Programmes and PG Programmes in Tier 1 by NBA. 16. Transparent Governance and Administration. 17. Cordial relations between the Management, Principal, faculty and Staff. 18. Autonomous status to design and update the curriculum in meeting the societal needs. 19. Institutional Support to the faculty in Knowledge enhancement, Research Innovation. 20. Recognized Research Centres under affiliating university. 21. Good infrastructure with well-equipped laboratories, ICT enabled classrooms, seminar halls, auditorium, IT Infrastructure, e-learning Facilities etc. 22. Encouragement for student initiatives in MOOCs, Internships, etc. 23. Support for Career Development, Skill Development and Campus Placements. 24. Highly active Industry Institute Interaction Cell connecting students and faculty with the industry in various aspects. 25. Active involvement of Students in organizing Technical Seminars/Workshops/ Conferences/Symposiums/ Certification Programs round the year. 26. Incentives for Meritorious students from the Institute and support for securing scholarships. 27. International exposure to the students through International Internships and MS programmes in reputed Universities.

Institutional Opportunities: 1. Scope of up-gradation of educational qualifications for both teaching and non-teaching staff members. 2. Encouraging the faculty and students to undertake funded projects. 3. Increasing the centres of excellence in emerging areas. 4. Twinning Programmes with foreign universities. 5. Increasing International student/faculty exchange programmes and research collaborations. 6. Promote Inter-disciplinary research. 7. Enhance of Entrepreneurial activity. 8. Attracting Students from other states and countries. 9. Alumni Networking for Academic and placement activities. 10.

Providing technical expertise to society and community. 11. Motivating the students to undertake multidisciplinary project. 12. Mobilizing our alumni to support the institute in training the students for updating their skills as per the current scenario.

Provide the weblink of the institution

<https://www.mits.ac.in/swayamnptel.html>

8.Future Plans of Actions for Next Academic Year

Student's Progression 1. To place more than 85 of the students with salary of 4 lakhs per annum. 2. To make more than 20 of the students to attain eligible scores in competitive examinations like GATE, TOEFL, CAT, MAT, etc 3. To motivate / train at least 5 of the students to become an entrepreneur. Research and Development 1. To motivate the faculty members to publish the research articles in high impact factor journals. 2. The institute RD cell will guide faculty members to submit project proposals. Skill Upgradation 1. To encourage the faculty members to participate / present articles in international conferences / workshops / FDPs organized by other premier institutions to update their technical skills. 2. To enhance conference / workshops / FDP organized by departments. Institute-Industry Interaction 1. Every year, it is proposed to initiate a start-up through our alumni and faculty. 2. More number of students should be encouraged to undergo in-plant/ Industry training / internship program / industrial projects interaction. • To increase the number of funded research projects • To develop entrepreneurship skills among the students • International Internships (2 to 3 months) • Digital Innovation • To Renew NBA accreditation for concerned departments. • To apply for NAAC Reassessment. • To Participate and attain rankings under NIRF. • To improve the numbers of patent filling. • To renew autonomous status from UGC