



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		DEVINENI VENKATA RAMANA AND DR. HIMASEKHAR MIC COLLEGE OF TECHNOLOGY
Name of the head of the Institution		Dr. Y. Sudheer Babu
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08678273535
Mobile no.		9618161818
Registered Email		principal@mictech.ac.in
Alternate Email		office@mictech.ac.in
Address		Kanchikacherla, Krishna Dt
City/Town		Vijayawada
State/UT		Andhra Pradesh
Pincode		521180

2. Institutional Status					
Autonomous Status (Provide date of Conformant of Autonomous Status)			10-Aug-2018		
Type of Institution			Co-education		
Location			Rural		
Financial Status			Self financed		
Name of the IQAC co-ordinator/Director			K. Srinivas		
Phone no/Alternate Phone no.			08678273535		
Mobile no.			9949733129		
Registered Email			iqac@mictech.ac.in		
Alternate Email			srinivas@mictech.ac.in		
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)			https://www.mictech.ac.in/images/IOA_C_NAAC/AQAR_17_18_MIC.pdf		
4. Whether Academic Calendar prepared during the year			Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			https://www.mictech.ac.in/exams-main/academic-schedule		
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.22	2017	02-May-2017	31-Dec-2023
6. Date of Establishment of IQAC			15-Jun-2016		
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		

UGC peer team visit for granting autonomous status	21-Jul-2018 2	219
Participated in Academic Council Meeting	06-Oct-2018 1	21
Participated in NBA renewal Inspection	09-Mar-2019 1	219
Participation in ARIIA ranking	30-Nov-2018 1	219
Established Institution Innovation Council as per the norms of MHRD	21-Nov-2018 1	219
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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
Nil	Nil	Nil	2018 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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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

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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. Getting an autonomous Status for a period of 10 Years from AY 2018-19
2. Guidelines are given for the Preparation of syllabus MIC-18 regulations which are inline with AICTE model curriculum
3. Internal Academic audits for all programmes to enhance the quality in all academic activities
4. Guide the departments to prepare compliance report to get NBA reaccreditation
5. Training the students in technologies as per Industry requirement.
6. ISO 9001:2015 certified

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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
To get ISO certification	The institute is ISO certified
To improve community and extension activities	Community and extension activities were conducted
To introduce online certification courses	Faculty and students of various departments registered and completed NPTEL online courses
To conduct academic audits	Academic audits conducted for Quality improvement
To participate in ARIIA ranking	The Institute participated in ARIIA ranking
To prepare for NBA reaccreditation	Three programs got NBA reaccreditation for a period of three years
To get autonomous status for Institution	The institute got an autonomous status for a period of ten years
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council	06-Oct-2018

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

Yes

Date of Visit

21-Jul-2018

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2018

Date of Submission

31-Dec-2018

17. Does the Institution have Management Information System ?

Yes

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

Yes, but it is not an integrated single system but maintained with individual

systems for different sections • Examination Management System: Examination section is automated using Examination Software which provides facilities for hall ticket generation, Examination Fee collection, examinations seating plan, Result Processing and certificate issue. Examination Management System and Examination section have dedicated server with standby. Protected server with firewall security Authorized access to the controller of examination through security key only. CCTV surveillance Backup data storage are also available. • Accounting Fee Payment system: The fees payment by students such as the college fees, hostel fees, bus fees and salaries to staff are automated. Almost all payments are through online sticking to the norms of the government. • The Library services. The Library was automated using NewGenLib software package, which is an integrated multitier library management system that supports all inhouse operations of the Library. The NewGenLib consists of modules on acquisition, technical processing, circulation, serial management, Administration, Reports, Queries and utilities. More than 12,000 bibliographic records of books available in the Library, can now be accessed through the NewGenLib OPAC (Online Public Access Catalogue). The database of books available in the Library is being updated on daytoday basis with details of recently acquired books. Records of all the Library patrons have also been created in the NewGenLib package.

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	CE,EEE,ME,ECE,CSE ,IT	CE,EEE,ME,ECE,CSE ,IT	06/10/2018
Mtech	PED,MD,VLSI&ES,CSE	PED,MD,VLSI&ES,CSE	06/10/2018
MBA	MBA	MBA	06/10/2018

MCA	MCA	MCA	06/10/2018
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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	CE,EEE,ME,ECE, CSE,IT	13/08/2018	English-I	13/08/2018
Nill	CE,EEE,ME,ECE, CSE,IT	13/08/2018	English communication skills lab-I	13/08/2018
Nill	CE,EEE,ME,ECE, CSE,IT	07/01/2019	English-II	07/01/2019
Nill	EEE,ECE	19/11/2018	Management Science	19/11/2018
BTech	ME	19/11/2018	Industrial Engineering & Management	19/11/2018
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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
Nill	Nil	Nill
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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	06/10/2018
BTech	Electrical & Electronics Engineering	06/10/2018
BTech	Mechanical Engineering	06/10/2018
BTech	Electronics & Communication Engineering	06/10/2018
BTech	Computer Science & Engineering	06/10/2018
BTech	Information Technology	06/10/2018
Mtech	Power Electronics & Drives	06/10/2018
Mtech	Machine Design	06/10/2018
Mtech	Computer science and engineering	06/10/2018
Mtech	VLSI & ES	06/10/2018
MBA	MBA	06/10/2018

MCA

MCA

06/10/2018

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
workshop on IoT fundamentals	23/08/2018	168
workshop on PCB Design	28/02/2019	186
Autonomous Robotics Workshop	28/08/2018	100
workshop on Gamification with AR VR -Buildbox	18/12/2018	96
Intelli craft	29/01/2019	51
Soft skills training	24/09/2018	384
Aptitude Reasoning and Verbal Ability	26/06/2018	463
Coding classes	24/08/2018	297
Salesforce Training	10/12/2018	350
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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	16
BTech	Electrical & Electronics Engineering	117
BTech	Mechanical Engineering	3
BTech	Electronics & Communication Engineering	12
BTech	Computer Science & Engineering	17
MBA	MBA	108
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1.4 – Feedback System**1.4.1 – Whether structured feedback received from all the stakeholders.**

Students	Yes
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

At the departmental and institution levels, the institute has a well-structured feedback mechanism from stakeholders involved. Feedback from students, faculty, employers, alumni, parents etc., is included. • In the semester, for each course, student's feedback is taken in a structured format consisting of 10 major parameters pertaining to teaching- learning process. This feedback is collected through online. • The responses are subject to Data Processing and the results are analyzed by the HoDs and the Principal and the feedback is communicated to the faculty members concerned wherever necessary, for any remedial action and improvement. • Course end survey is taken from the students at the end of the course on course outcomes and teaching methodologies. • Alumni feedback is collected on regular basis to identify the curriculum gaps based on their knowledge on latest technology and the industry requirements. • Graduate Exit survey is collected from the final year passed out students on various parameters like infrastructure, curricular aspects etc., and the departments will analyze the feedback and necessary measures are taken accordingly. • The feedback from the employers is taken on regular basis on student performance on technical and interpersonal skills.

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	CE,EEE,ME,ECE, CSE,IT	1080	679	679
Mtech	PED,MD,VLSI&ES,CSE	84	2	2
MBA	MBA	180	61	61
MCA	MCA	60	26	26

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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	2935	253	189	15	15

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 (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
219	219	6	15	5	3
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

1. Mentoring system is established in the institute for students and 20 students are allotted to each faculty to support and guide the students for overall development. 2. The Counsellor interacts with the students once in a fortnight, reviews their attendance and academic performance and advises them to improve their performance. 3. Counselling sheets are prepared for each student to facilitate the review. According to the need, trained teachers are made available for personal counseling. 4. The departmental representatives of the Women's Empowerment and Grievances Cell and other women faculty members advise the girl students regarding their problems

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3188	219	1:15

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
219	219	Nil	72	25

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
2019	B. ANIL KUMAR	Assistant Professor	UGC-NET qualified
2019	V. Pawel	Assistant Professor	UGC-NET qualified

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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
Mtech	PED,MD,VLSIES ,CSE	I/I	23/01/2019	06/02/2019
Mtech	PED,MD,VLSIES ,CSE	II/I	01/06/2019	05/07/2019
BTech	CE,EEE,ME,ECE ,CSE,IT	I/I	05/01/2019	11/01/2019
BTech	CE,EEE,ME,ECE ,CSE,IT	I/II	08/11/2018	26/12/2018
BTech	CE,EEE,ME,ECE ,CSE	I/III	06/11/2018	15/12/2018
BTech	CE,EEE,ME,ECE ,CSE	I/IV	08/11/2018	03/12/2018
BTech	CE,EEE,ME,ECE ,CSE,IT	II/I	01/06/2019	05/07/2019

BTech	CE,EEE,ME,ECE ,CSE,IT	II/II	08/05/2019	19/06/2019
BTech	CE,EEE,ME,ECE ,CSE	II/III	07/05/2019	07/06/2019
BTech	CE, EEE, ME, ECE, CSE	II/IV	27/04/2019	25/05/2019

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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
Nil	3038	0

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.micttech.ac.in/peos-pos>

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
CE	BTech	Civil Engineering	107	56	52.34
EEE	BTech	Electrical & Electronics Engineering	104	68	65.38
ME	BTech	Mechanical Engineering	150	80	53.33
ECE	BTech	Electronics & Communication Engineering	201	128	63.38
CSE	BTech	Computer Science & Engineering	164	120	73.17
MBA	MBA	Master of Business Administration	108	86	80
MCA	MCA	Mater of Computer Applications	24	15	62

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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)

http://mictech.ac.in/images/pdf/StudentSatisfactionSurvey_2018_19-co.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

No

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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
Nil	Nil	Nil	Nil	Nil
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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
Any Other (Specify)	730	AICTE-MODROBS	12.16	9.72
Any Other (Specify)	3	DST	7	7
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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

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
Innovative durable pavements for high and low volume roads	CE	21/09/2019
Role of Civil Engineer in Rural Water Supply Sanitation	CE	28/06/2018
One Week Workshop on Revit Architecture	CE	23/09/2019
Autonomous Robotics	EEE	28/08/2018
Engineering Challenges for Knowledge Era	EEE	15/09/2018
Arduino Platform its Applications	EEE	17/12/2018
A Two Day Workshop On Non Destructive Testing	ME	11/09/2018

And Its Industrial Applications		
A Two Day Workshop On Ansys Fluent and MAT LAB	ME	16/11/2018
One Week Workshop on CATIA (Part Modeling) By APSSDC- Phase I	ME	18/02/2019
One Week Workshop on CATIA (Part Modeling) By APSSDC - Phase II	ME	25/02/2019
One Day Workshop on How To Prepare For GATE PSU's	ME	25/02/2019
India's First Leadership Talk Series	ECE	01/08/2019
Workshop on IPR for Students and Faculty (Online Workshop)	ECE	01/10/2019
Workshop on IPR for Students and Faculty (Offline Workshop)	ECE	24/01/2019
Two Days Startup Bootcamp	ECE	12/03/2019
Art of Decision Making	ECE	19/03/2019
Awareness on Online IP Center	ECE	27/04/2019
Speaker Series(VDC Workshop)	ECE	29/09/2018
Smart Idea Boot Camp (VDC Workshop)	ECE	16/12/2018
PCB Design	ECE	28/02/2019
IOT Fundamentals(Phase-I)	ECE	23/08/2018
IOT Fundamentals(Phase-II)	ECE	03/02/2018
IoT -Raspberry Pi (II Year)	CSE	24/12/2018
IoT -Raspberry Pi (III Year)	CSE	01/03/2019
Gamification with AR VR -Buildbox	CSE	05/12/2018
AWS Technical Essentials (II- Year)	CSE	25/02/2019
Progressive web applications (phase-I)	CSE	26/07/2018
AWS Technical Essentials (III- Year)	CSE	12/02/2019

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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
ALTER ELECTRONICS	B.Sahil (15H71A04F5), A.Sravani (15H71A04G0), Ch.Upendra (15H71A04G9), G.Sai Madhuri (16H71A04E3)	Geetham University	09/11/2018	Venture Development Cell
POWER PACKED CYCLES	Kambhampati. Naga Sri Pavan (16H71A0323)	Northeastern university center for entrepreneurship education	16/10/2018	Venture Development Cell
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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
MIC College	Venture Development Cell	Andhra Pradesh state Skill Development Center	Nil	Nil	06/02/2018
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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
Electrical and Electronics Engineering	1
Electronics and Communication Engineering	1

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	EEE	2	0.45
International	ME	13	2.11
International	ECE	5	0.92
International	CSE	5	0.45
National	BED	2	Nil
International	BED	5	2.35
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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

MBA	2
BED	25
CSE	5
ECE	5
ME	13
EEE	2
CE	1
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Biodegradable and Wear Resistive Composite Edge protection	Published	201841034827	28/09/2018
Fully Biodegradable Composite tooth brush handle	Published	201941002325	25/01/2019
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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
Optimization of Weld-Bead Parameters of Plasma Arc Welding Using GA and IWO	K. Srinivas	Lecture Notes in Mechanical Engineering - Springer	2018	1	DVR Dr HS MIC College of Technology	1
Evaluation of hard coating materials performance on machinability issues and material removal rate during turning operations	Dr. M. Kaladhar	Measurement	2018	7	DVR Dr HS MIC College of Technology	7

Modeling and analysis of Kaplan turbine blade using CFD	B. Sandeep	International Journal of Engineering Technology	2018	5	DVR Dr HS MIC College of Technology	5
Modified Flower Pol lination Algorithm to Optimize WEDM parameters while Machining Inconel-690 alloy	Dr. M. S ree-nivasa Rao	Materials Today: Proceedings	2018	9	DVR Dr HS MIC College of Technology	9
Evaluating tensile properties of successive alkali treated continuous pineapple leaf fiber reinforced polyester composites	Dr. G. Rajesh	Materials Today: Proceedings	2018	5	DVR Dr HS MIC College of Technology	5
Effect of boron carbide particles inclusion on the mechanical behavior of S2-Glass fiber based polyester composites	K. Supriya	Materials Today: Proceedings	2018	9	DVR Dr HS MIC College of Technology	9
Theoretical studies on structural , electronic and optical properties	Dr. G. Gupta	Computational Condensed Matter	2018	2	DVR Dr HS MIC College of Technology	2

of kesterite and stannite Cu ₂ ZnGe(S/Se) ₄ solar cell absorbers						
Trust-aware Fuzzyclus-Fuzzy NB: intrusion detection scheme based on fuzzy clustering and Bayesian rule	N Veeraiah	Wireless Networks The Journal of Mobile Communication , Computaion and Inform ation	2018	9	DVR Dr HS MIC College of Technology	9
Improvem ent of energetic state for resource power reduction in mobile Ad-Hoc Networks	Dr A. Jalyalakshmi	Journal of Enginee ring and Applied Sciences	2018	1	DVR Dr HS MIC College of Technology	1
An unbiased privacy sustaining approach based on SGO for distortion of data sets to shield the sensitive patterns in trading alliances	Dr. G. Kalyani	SIST(Smart Innovation , Sysü and Technologi es) Book Series, Springer, Singapore	2018	1	DVR Dr HS MIC College of Technology	1

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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
An unbiased privacy	Dr. G. Kalyani	SIST(Smart Innovation	2018	22	1	DVR Dr HS MIC College of

sustaining approach based on SGO for distortion of data sets to shield the sensitive patterns in trading alliances		, Sysü and Technologi es) Book Series, Springer, Singapore				Technology
Improvement of energetic state for resource power reduction in mobile Ad-Hoc Networks	Dr A. Jalyalakshmi	Journal of Engineering and Applied Sciences	2018	26	1	DVR Dr HS MIC College of Technology
Trust-aware Fuzzyclus-Fuzzy NB: intrusion detection scheme based on fuzzy clustering and Bayesian rule	N Veeraiah	Wireless Networks The Journal of Mobile Communication , Computaion and Information	2018	89	9	DVR Dr HS MIC College of Technology
Theoretical studies on structural , electronic and optical properties of kesterite and stannite Cu ₂ ZnGe(S/Se) ₄ solar cell absorbers	Dr. G. Gupta	Computational Condensed Matter	2018	Nil	2	DVR Dr HS MIC College of Technology
Effect of boron carbide particles	K. Supriya	Materials Today: Proceedings	2018	47	9	DVR Dr HS MIC College of Technology

inclusion on the mechanical behavior of S2-Glass fiber based polyester composites						
Evaluating tensile properties of successive alkali treated continuous pineapple leaf fiber reinforced polyester composites	Dr. G. Rajesh	Materials Today: Proceedings	2018	47	5	DVR Dr HS MIC College of Technology
Modified Flower Polination Algorithm to Optimize WEDM parameters while Machining Inconel-690 alloy	Dr. M. Sree-nivasa Rao	Materials Today: Proceedings	2018	47	9	DVR Dr HS MIC College of Technology
Modeling and analysis of Kaplan turbine blade using CFD	B. Sandeep	International Journal of Engineering Technology	2018	25	5	DVR Dr HS MIC College of Technology
Evaluation of hard coating materials performance on machinability issues and material removal rate during	Dr. M. Kaladhar	Measurement	2018	15	7	DVR Dr HS MIC College of Technology

turning operations						
Optimization of Weld-Bead Parameters of Plasma Arc Welding Using GA and IWO	K. Srinivas	Lecture Notes in Mechanical Engineering - Springer	2018	8	1	DVR Dr HS MIC College of Technology
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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	2	53	Nil	66
Presented papers	7	1	Nil	Nil
Resource persons	Nil	Nil	1	Nil
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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)
Nil	Nil	Nil	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
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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
International Yoga Day	NSS	10	80
Distribution of note books Govt school	NSS	8	148
Mega blood donation camp	NSS	6	100

Visit to Amma Nanna Oldage home	NSS	6	100
"Vanam-Manam", Tree Plantation	NSS	5	34
Road safety awareness program	NSS	6	100
Voter registration program	NSS	6	100
LLR Mela	NSS	6	100
Fund rise program to help Sk.Gaalab Saida	NSS	6	100
MPUP Field trip to college	NSS	6	100
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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 Benefited
Nil	Nil	Nil	Nil
No file uploaded.			

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
Blood Donation Camp	NSS	Social Service	6	100
Vanam-Manam Tree Plantation	NSS	Environmental Protection	6	100
Election duty	NSS/Election Commission	Social service	6	100
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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
Nil	Nil	Nil	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	Duration From	Duration To	Participant
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		with contact details			
Internship	Industry-institute interaction	220/132/32kV Substation, Nunna	16/05/2019	31/05/2019	Mr.R.Kameswara rao
Internship	Industry-institute interaction	Skill Development center	10/05/2019	10/06/2019	Mr.Vaddi Jagadish Sai Madhu naidu
Internship	Industry-institute interaction	Water Resources Department	14/05/2019	10/06/2019	Mr.Poothi Nishanth Praharsha Mr .Pothukuchi Sai Kanth Anudeep
Internship	Industry-institute interaction	Campus Gates, Amaravati	13/05/2019	07/06/2019	Ms.Nalajala Sankeerthana
Internship	Industry-institute interaction	Bharat Sanchar Nigam Limited	13/05/2019	18/06/2019	Ms.Ponnaganti naga Sirisha
Internship	Industry-institute interaction	K.Srihari, Contractor, Dange nagar, Jaggayyapet	12/05/2019	12/06/2019	Mr.Ch.Pavan Kumar
Internship	Industry-institute interaction	Electric Locoshed, Vijayawada	01/06/2019	15/06/2019	Mr.K.Anji Reddy Ms.S.Bhavana Sahithi Ms.B .Gayathri
Internship	Industry-institute interaction	AP Power Generation Corporation Limited	13/05/2019	25/05/2019	Ms.Sathuluri Prathyusha
Internship	Industry-institute interaction	South central railway	01/06/2019	15/06/2019	Mr.O.Raja Sekhar Mr.K. Harshavardhan Mr.G.Nagaraju Mr.V.Vijay Lava Kumar
Internship	Industry-institute interaction	230/132/33kV Substation Gunadala	26/05/2019	09/06/2019	Ms.Bujala Sai Sowmya Mr.Venkata Aditya Sai Mr.Devarakonda Rathan Kumar Mr.Kalapala Sandeep Kumar Mr.Valluri Sanjay babu

Mr.Desaboyan
a Siva
Koteswara
Rao Mr.Nandi
pamula
Sukumar Mr.S
ukhabhogi
Vamsi

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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
AP Leaf Springs, Kodurupadu	18/07/2018	For the purpose of providing internships to the students, industrial visits, project works, research and faculty training the MOU has been signed between MIC and these industries	155
Padmavathi Engineering Works, Vijayawada	18/07/2018	For the purpose of providing internships to the students, industrial visits, project works, research and faculty training the MOU has been signed between MIC and these industries	155
CADD Experts, Vijayawada	07/07/2018	For the purpose of providing internships to the students, industrial visits, project works, research and faculty training the MOU has been signed between MIC and these industries	12
Software development center of South Central Railway	13/06/2018	Project works	12

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
60	54.09

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
No file uploaded.	

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
NewGenLib	Fully	3.2	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	41831	15686625	849	248757	42680	15935382
Reference Books	6037	3320350	18	14682	6055	3335032
e-Books	6000	13570	105	13570	6105	27140
Journals	111	127907	11	14500	122	142407
e-Journals	568	450000	618	502660	1186	952660
CD & Video	2203	Nill	206	Nill	2409	Nill
Library Automation	1	50000	Nill	12390	1	62390
Weeding (hard & soft)	401	110275	240	50875	641	161150
Others(s pecify)	100	15000	50	7500	150	22500

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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	1200	13	220	1	1	20	90	220	0
Added	37	1	0	1	0	10	0	0	0
Total	1237	14	220	2	1	30	90	220	0

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

200 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
600	592	250	236.56

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)

General maintenance: The central maintenance department looks after the maintenance of buildings, various utilities such as water, plumbing, electrical, carpentry and other related issues. The routine cleaning of classrooms, roads and washrooms will be done as per the schedule given to the staff. The maintenance department prepare and maintain routine checklist and preventive maintenance schedule. They perform routine checks and preventive maintenance as scheduled Each block is houses a specific department and the maintenance works related issues of such department will be raised by the concerned faculty / lab technician who is member of amenities committee. Once HoD forwards such complaint same is sent to maintenance office through administrative office. The work allocation will be done by the central maintenance department and when the work is completed the concerned authority will certify the work completion sheet. Maintenance of computer systems,

networking, internet facilities: An ITSS department is constituted in the institute to look after the all the issues related to above services. Based on the complaint raised by each department the technical person will resolve the issue. If any new component is required, indent will be raised by the ITSS and the same will be sent to purchase department. Once the material is received and the issue is resolved the work completion details will be provided by the ITSS.

Library Services: The College Library System consists of a Central Library and 6 departmental libraries, which collectively support the teaching, research and extension programmes of the Institute. All students, faculty members and employees of the Institute are entitled to make use of the Library facilities on taking library membership. The Library, besides having a huge collection of books on engineering, science and humanities, offers library services through its various divisions. The Library uses NewGenLib software package, which is an integrated multi-tier library management system that supports all in-house operations of the Library. The NewGenLib consists of modules on acquisition, technical processing, circulation, serial management, Administration, Reports, Queries and utilities. More than 12,000 bibliographic records of books available in the Library, can now be accessed through the NewGenLib OPAC (Online Public Access Catalogue). The database of books available in the Library is being updated on day-to-day basis with details of recently acquired books. Records of all the Library patrons have also been created in the NewGenLib package.

Laboratories: The lab faculty incharges and technicians of the lab ensure the regular maintenance and ensure all the equipment are in good working condition such that the regular academics processes run smoothly. Calibration of equipment is done periodically. If any complaint and if any new component is required, indent will be raised by the respective department as approved by respective HoD and the same will be sent to purchase department. Once the material is received and the issue is resolved the work completion details will be provided by the respective department to the accounting section to complete the purchase and payment process to the vendors

<http://www.mictech.ac.in/maintenance>

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	Nil	0	0
Financial Support from Other Sources			
a) National	Nil	Nil	0
b) International	Nil	Nil	0
No file uploaded.			

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 implemetation	Number of students enrolled	Agencies involved
Talentio Solutions India Pvt. Ltd, Hyderabad	06/12/2018	533	Imparta Training Academy, Hyderabad
Placement Training	13/11/2018	533	Talentio Solutions India

			Pvt. Ltd, Hyderabad
Soft skills training	24/09/2018	533	Wickey David
Bridge course	30/07/2018	530	MIC College
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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	Campus Recruitment Training	Nil	533	Nil	315
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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
3	3	10

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
SYNTEL, VEDA IIT, UTS, Trust systems, Efectronics, Just dial, media mint, Genpact, Prototech solutions and systems limited Act Plast Paints Pvt Ltd Pure Chemicals Pvt Ltd AEGON Life Insurance Company amararaja Blue sea industries D	430	245	CTS, Infosys, TCS, Wipro, mindtree, GGK, kotak mahindra, Ralson seals	430	70

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.TECH	ECE	UNIVERSITY OF NEW HAMPSHIRE	MS
2019	1	B.TECH	ECE	UNIVERSITY OF BRIDGEPORT	MS
2019	1	B.TECH	ECE	UNIVERSITY OF MEMPHIS	MS
2019	1	B.TECH	ECE	IIIT Hyd	M.Tech
2019	1	B.TECH	CIVIL	ALIET	M.Tech
2019	1	B.TECH	MECHANICAL ENGINEERING	RKCE	M.Tech
2019	1	B.TECH	EEE	UNIVERSITY OF NORTH TEXAS	MS
2019	1	B.TECH	EEE	VELLORE INSTITUTE OF TECHNOLOGY	MS

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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
GATE	2
GRE	1
GMAT	4
CAT	1
Any Other	4
Any Other	4

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

Activity	Level	Number of Participants
Photography competition- clickon 18-8-2018	Institute level	58
Eassy writing pencil sketch On international peace day 20/09/2018	Institute level	120
Eassy writing Elocution	Institute level	100

On National education day 11/11/2018		
Poster Idea presentation World energy conservation day 14/12/2018	Institute level	173
Singing completion on 15/12/2018	Institute level	31
Dance competitions 22-12-2018	Institute level	69
Painting competition On world day for water 22/03/2019	Institute level	50
Innovative models expo	National level	485
MICFEST2019 A sports cultural fest	Institute level	2500
Talentia	Institute level	220
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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	1st Prize	National	1	Nil	14H71A0162 ,15H71A040 5, 16H75A0339 ,16H75A033 7 17H75A0309	SK.HAMEED BASHA G.AVINASH B.S.SAI CHARAN B.SAI TEJA P.GOPI KIRAN
2019	1st Prize	National	1	Nil	17H75A0309 16H71A04F1 17H71A0104 17H71A0177 18H75A0325 17H71A0339	P.GOPI KIRAN J.SURAJ ISSAC S.AKHIL K.SRI RAM B.PRAVEEN KUMAR CH.VIJAY
2019	1st Prize	National	1	Nil	16H75A0219 16H75A0410 16H75A0242 16H75A0216 15H71A0413 17H75A0232 15H71A0346	V.VINAY Y.NARENDRA BABU A.YESU BABU G.SURENDRA BABU CH.DURGA PRASAD D.S IVAKOTESWA

						RARAO CH.ANIL KUMAR
2019	BRONZE MEDAL	National	1	Nil	16H75A0216	G.SURENDRA BABU
2019	1st Prize	National	Nil	1	17H71A0411	SD.Irfan
2019	1st Prize	National	Nil	1	17H71A0428	A.Kyathi
2019	1st Prize	National	Nil	1	17H75A0401	A.Abilash
2019	1st Prize	National	Nil	1	17H71A04B6	K.Raj Kumar
2019	1st Prize	National	Nil	1	17H71A04A7	V.Sunoj Kumar
2019	1st Prize	National	Nil	1	Nil	M RAJESH VV NAVEEN KUMAR SRAVAN KUMAR
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The students across all the years of the study from all the branches of engineering and technology are actively involved in the following committee to receive and consider their views for achieving a better academic ecosystem. • Anti Ragging committee • Women Empowerment Grievance Cell • Initiative for Co-curricular Extra Curricular Activities • Hostel Committee • Canteen Committee • Teachers day, Engineers day, Technical Fest, Annual Sports and College day committees. • Student chapters of IETE, ISTE, IEI, CSI, ASME etc. In addition, student representatives are included in Student Welfare Committee. Student members represent the various issues and present their ideas at the respective committee meetings. Their suggestions are given due importance in arriving at decisions.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institution has an alumni association called "MIC OLD STUDENTS ASSOCIATION (MICOSA)" MICOSA. MICOSA was formed in 2006 when the first batch (2002-06) graduated. This association was initiated by the then Principal, Prof N.Krishna and Vice-Principal Prof.D.Panduranga Rao. Each of the graduating students have contributed Rs.200 from their caution deposit for the association. The college has deposited this amount in a separate account for conduct of yearly meetings and other activities of the association. It has decided to have its annual meeting every year from the 2010 in the month of September and October according to the convenience of the members of the association.

5.4.2 – No. of registered Alumni:

7392

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

0

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 college ensures decentralization and thus delegates at different levels ensuring good governance. Empowering heads of the departments to distribute work load to faculty, to identify the add-on courses to deliver, to identify the content beyond syllabus and to organize various faculty and student development programmes with the help of various committees. Allocation of budget is based on the proposals received from the department and once it is approved for a financial year and various operations can be performed by the head of the department, as envisaged in the approved budget. The Head of the Department has the authority in deciding the activities and delegating the responsibilities to the staff members of the department. The department decides on timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing guest lectures and workshops and recommends necessary industrial visits, in-plant trainings, MoUs and work towards achieving its vision and mission. Administration: Freedom to organize the administrative activities in accordance with the institutional policies. The college does promote a culture of participative management. It has inculcated the practice of hearing the voices of all concerned. Every week the HOD's meeting with Principal will be held and the views of all HOD's will be taken into cognizance before a decision is taken. Similarly department faculty meetings are being held at regular intervals where internal issues within the department are discussed and the deliberations of HOD's meeting are discussed. The concerns of faculty if any, will be again brought to the notice of the Principal in the next HOD's meeting. The suggestions and concerns of staff are well appreciated and received by the heads of the department and in turn the suggestions of heads of the departments are received well by the top management. Leadership in MICT always recognizes the significance of listening and interpreting the views of all the employees and practices this culture meticulously

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

Partial

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
Admission of Students	UG and PG courses ? 70 of the admissions are done by Convener, EAMCET, Andhra Pradesh through State Government. ? Remaining 30 of the admissions are done by the management based on the guidelines given by APSCHE (Andhra Pradesh State Council for Higher Education).
Industry Interaction / Collaboration	o College has signed MOUs with various Industries/organizations for

the benefit of students and staff. o Regular Industrial Visits are conducted for students to enhance their technical skills. o Industrial training is being arranged for the Lab Technicians. o Guest lectures are organized for students from the industry experts to fill the Industry-Institute gap.

Human Resource Management

? Orientation classes were conducted for new faculty members. ? Annual assessment of faculty is done through self-appraisal forms. ? Faculty are encouraged and sponsored to participate in FDP, workshops, Refresher Courses organized by other premier Institutions Universities. ? Provident Fund is given to the faculty. ? Annual Increments are given to faculty as per the norms of Institution.

Library, ICT and Physical Infrastructure / Instrumentation

o Institutional membership with DELNET which connects all libraries of technical institutions approved by AICTE in the country. College library has membership in National Digital Library. o BSNL has provided 20 Mbps VPNoBB (Virtual Private network over Broad Band) connection under NME-ICT (National Mission on Education through Information and Communication Technology - Project initiated by Ministry of HRD). The objective of this project is to provide NME-ICT network connection to the colleges and universities of the nation to bring all educational institutions into a single network for sharing the information. o Wi-Fi connectivity is available in the Institution • well-furnished auditorium and seminar halls are available

Research and Development

In order to promote, encourage, guide, and monitor research and development in the institute, CRDC (College Research and Development Committee) has been constituted with the following functions. • To create awareness on research among Faculty • To identify thrust areas of research • To advise encourage, review and monitor the progress of research development in the institute • To provide research related information like Ph.D , notifications, workshops, conferences, research funding sources, deadlines for applications etc. • To review and monitor academic research (Ph.D works etc.) • To provide guidelines to publish papers in journals and

conferences • To recommend to management and arrange for internal funding and adequate infrastructure support. • To scrutinize minor/major research project proposals for forwarding to sponsored funding bodies like UGC, DST and DRDO etc. • To advise and encourage the departments to organize seminars/workshops/conferences. • To help establish technology incubation centres and research centres • To encourage researchers to patent their research outcomes and to solve societal problems.

Teaching and Learning

• Provision of State-of-the art learning resources in Central Library Information Centre and department libraries. • Ergonomically designed classrooms with networking facility provision of eclassrooms • Development of student support material • Organization of Remedial classes • Delivery of Add-on-courses • Conduct of pre-placement training classes and campus connect programmes • Structured course files and lab manuals on all courses

Curriculum Development

• The institute got an autonomous status, Board of studies (BOS) will review the syllabus and update the syllabus.

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

E-governance area	Details
Finance and Accounts	The fees payment by students such as the college fees, hostel fees, bus fees and salaries to staff are done almost through online.
Student Admission and Support	? Fee payment through online ? Student feed back on teaching quality is also taken through online
Examination	Fee payment is through online Results are published through website http://exams.mictch.ac.in

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	Nil	Nil	Nil	Nil

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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 Seminar on ANSYS FLUENT and MAT LAB	Nil	16/11/2018	17/11/2018	35	Nil
2019	DST sponsored three day national seminar on Advanced Technologies in Wireless Sensor Networks	Nil	13/06/2019	15/06/2019	60	Nil
2019	FDP on Awareness about Intellectual Property and Facilities at IP center	Nil	27/04/2019	27/04/2019	45	Nil
2019	One day Workshop on IPR	Nil	24/01/2019	24/01/2019	56	Nil
2019	Faculty training program on ISO 9001-2015 standard	Nil	30/04/2019	30/04/2019	90	15

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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 professional development programme	Number of teachers who attended	From Date	To date	Duration
Earthquake Disaster	1	16/01/2019	20/01/2019	5

Mitigation				
Challenges for welding and fabrication of CSEF steel structure for low pollution ultra-supercritical power plant applications	1	09/07/2018	13/07/2018	5
APSC Sponsored One Day Workshop on "Characterization of Metal Matrix Composites".	6	08/11/2018	08/11/2018	1
One Day Workshop on "Evolution of the Automotive Interiors"	4	15/09/2018	15/09/2018	1
5 Days Faculty Development Program on "Product Development on 3D Experience"	2	23/10/2018	27/10/2018	5
A Two Day National Workshop on "Additive Manufacturing Technology"	2	26/10/2018	27/10/2018	2
3 Days Faculty Development Program on Operation Maintenance aspects of Thermal Power Plants	1	14/11/2018	16/11/2018	3
Two-Day Seminar on ANSYS FLUENT and MAT LAB	35	16/11/2018	17/11/2018	2
Two Day Faculty Development Programme On "Advances in Manufacturing"	2	16/11/2018	17/11/2018	2

Practical Applications of "COMPUTATIONAL FLUID DYNAMICS"	1	23/11/2018	25/11/2018	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
72	72	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Free Transport facility for Professors and Associate professors and subsidized transport charges for remaining staff members. • Incentives, Promotions and increments are given regularly. • Maternity leave and post maternity leave are provided once. • Earned Leave, Employee provident fund, Medical Leave is provided. • Sponsorship to Workshops/ Seminars/Refresher courses, 100 registration Fees are provided besides on duty or special casual leave. • Group mobile plans are provided based on the necessity 	<ul style="list-style-type: none"> • Free Transport facility for Professors and Associate professors and subsidized transport charges for remaining staff members. • Incentives, Promotions and increments are given regularly. • Maternity leave and post maternity leave are provided once. • Earned Leave, Employee provident fund, Medical Leave is provided. • Sponsorship to Workshops/ Seminars/Refresher courses, 100 registration Fees are provided besides on duty or special casual leave. • Group mobile plans are provided based on the necessity 	<ul style="list-style-type: none"> • Gold medals and merit awards will be given to the meritorious students. • Canteen provision with subsidised price • Dispensary on the college campus • Group Insurance for the students while visiting industries

6.4 – Financial Management and Resource Mobilization

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

Yes, The Institution conducts Internal and External Financial audits regularly.

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
Nil	0	0
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6.4.3 – Total corpus fund generated

52572521

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	KVQA Certification services Pvt. Ltd.	Yes	IQAC
Administrative	Yes	KVQA Certification services Pvt. Ltd.	Yes	IQAC

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

1. Parents meeting is conducted regularly in each and every department 2. Feedback from the parents is collected and the necessary actions are being taken 3. SMS is sent to Parents every day regarding their wards attendance 4. The semester results of the students are communicated to the parents. 5. Departmental activities are also conveyed to parents during the meeting

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

1. Encouragement was given to all support staff to pursue their Higher Studies/add on courses 2. Special Leaves are given to staff for attending their examinations of Higher studies. 3. Training programmes are conducted for supportive staff when and where necessary

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

1. Renewal of NBA Accreditation for ECE, ME, CSE departments 2. Conferred UGC Autonomous status for a period of 10 years from 2018-19 3. Established incubation centers like Venture development Cell 4. Established Institution Innovation Cell as per the norms of MHRD.

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	UGC peer team visit for granting autonomous status	21/07/2018	21/07/2018	22/07/2018	219
2018	Academic Council Meeting	06/10/2018	06/10/2018	06/10/2018	21
2019	Participated in NBA renewal Inspection	09/03/2019	09/03/2019	09/03/2019	219
2018	Participat	30/11/2018	30/11/2018	30/11/2018	219

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Nil	Nil	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Visit donate to Amma Nanna Oldage home	24/09/2018	24/09/2018	100
Distribution of spectacles to villager of perakalapadu	18/03/2019	18/03/2019	100
Fund rise program to help Mr. Galaab saida	14/02/2019	14/02/2019	100
Road safety awareness programme	28/09/2019	28/09/2019	100

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

1. Plantation inside the campus and in surrounding villages by NSS volunteers
2. Organizing swatch Bharat campaigns in the surrounding villages by NSS volunteers
3. Offering Environmental Science as a compulsory subject to all B.Tech students
4. Making Use of electric power generation from solar plant installed on roof of the institution

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-I : Campus Recruitment Training or CRT started in early 2011-12 expressly focuses all its energy on training students and making them ready as they go out into the world seeking employment. For them to be employable, the faculty within CRT rigorously hone the students to sharpen their people skills. We at CRT try to equip the students with confidence, instill ethical values, teach them reasoning ability along with focus on analytical ability and help them in building their personality. Over the years, we train students to look for what is best in them. While the core makes them aware of hard skills to function and learn the ways of the machine, to avoid sounding like a soft-skill intro, subtly and precisely put, we prepare them for life. Need: It is a well-known fact that quality manpower feeds and nourishes industries and augments the growth of our economic future. The proportion of Quality manpower in relation to the Quantity is diminishing in all streams of education and Engineering in particular. Entering into a good job or higher education is not sufficient but sustaining it for a long term is the need of the hour. Objective: To enhance employability amongst the engineering graduates by imparting required skills for sustained performance and success in career and make them industry ready. Focus: To bridge the industry-academia gap by enhancing the competency of the engineering graduates through necessary training in Soft Skills like interpersonal intrapersonal skills that include communication skills, attitude, behavior, etiquette, time management, goal setting, team work, leadership skills, career planning and ethics in addition to the technical skills that they acquire through curriculum based education to

facilitate their employability. Concept Basis: To facilitate continuous learning and development of the students from the beginning till the end of the engineering course to Provide exposure and environment to have hands on experience. Continuous motivation and inspiration to instill confidence and enthusiasm form the basis of this concept. At present we offer these classes on a weekly basis right from first year to final year in every semester to have a continuous training for the placements covering different modules. Best practice-II :Honing leadership qualities among students through consistent and efficient mentoring of the students (learning by doing) • All the departments formed their respective student Associations / Clubs. These Associations aim to conduct the technical events on current trends in technology in order to improve technical skills of the students. • The institute organizes a National level Technical paper presentation contest „ Aagama? every year as an inter-college students interface providing a platform to share and gain knowledge. • Working models exhibition is organized by the institute, where the models developed by the students are exhibited and encouraged by rewarding the best ones. • The college is organizing various co-curricular and extra-curricular activities through an exclusive department ICE - Initiative for Co-Curricular Extracurricular Activities which aims at encouraging student participation in various activities. • An exclusive EDC - Entrepreneur Development Cell aimed at inculcating and nurturing entrepreneurial skills among students.

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

<http://www.mictech.ac.in/best-practices>

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

The institute was established in the year 2002 with a vision to nurture excellence in the field of engineering by imparting quality technical education. Since its inception the college has been upgrading its quality which is reflected in various forms: a) NAAC 'A' grade b) NBA accreditation for four departments - EEE, ME, ECE and CSE c) Autonomous status by UGC The institute is at the forefront of imparting state-of-the art knowledge with potential faculty who are a rare blend of Ph. D holders, top researchers and well acclaimed laureates from reputed institutes like IITs and NITs. In the NPTEL online courses 10 faculty received gold medals, 7 faculty stood in the top 5 and 3 faculty stood in the top 1 in their respective subjects across the country. The College Research and Development Cell (CRDC) provides supportive research environment with special incentives. To keep the abreast of the latest trends in industry the college has initiated various programs and tie-ups: MOU with new Mexico state university, USA APSSDC-CM's skill excellence centre the Indo American studies centre Indian school of Business-Technology Entrepreneurship program i2E (International Institute of Entrepreneurship Program) Course by North Eastern University, Boston, USA and Techgrapher online IP centre. Learning is something beyond classroom at MIC which includes: a) Institute's Innovation Council (IIC) was established as per the norms of Innovation Cell, MHRD. A grade was given by MHRD for IPR workshops. b) ICE (Initiative for Co-curricular and extracurricular activities) c) NSS wing inculcates individual social responsibility d) Women Empowerment Cell focuses on social upliftment of the female students e) Entrepreneurship Development Cell (EDC) strengthens entrepreneurial quality f) Aagama- a national level technical paper contest g) Annual working models exhibition h) Student chapters- NPTEL, CSI, ISTE, IETE, IEI, ASME i) START-Ups Internships Hackathons and many more. j) The project 'Power Packed Bicycle' was selected and presented in 'Husky Challenge' organized by Northeastern University, Boston, USA, as a part of i2E program. Exclusive

language laboratories with good software and modules and computer labs enhance ICT mode of training. Exhaustive library with 50,000 volumes of books and digital library cater to the needs of students. High speed internet connectivity and seminar halls for interaction with state-of-the-art acoustics support learning in all aspects. Extensive playgrounds support sporting activity which resulted in winning gold and silver medals in JNTUK Inter university tournament gold, silver and bronze medals in central tournament prizes in JNTUK 'C' zone tournament gold, silver and bronze medals in state and national level tournaments in Volleyball, Kabbadi, Kho-Kho, Cricket, Badminton, Athletics, Teakwondo and Weightlifting.

Provide the weblink of the institution

<http://www.mictech.ac.in/distinctiveness>

8.Future Plans of Actions for Next Academic Year

- To organize seminars, conferences and workshops
- To conduct academic audits
- To introduce online certification courses
- To enhance computing and ICT facilities
- To organize more NSS activities.
- To improve community and extension services
- To enhance placements activities
- To enhance R D activities
- To start boys hostel in the campus