



Yearly Status Report - 2019-2020

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_2018-19_Updated.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/autonomous-exam-section/academic-calendars			
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	Date & Duration		Number of participants/ beneficiaries		

IQAC		
A FDP on AI & Machine Learning	23-Dec-2019 5	49
A FDP Deep Learning and applications	09-Dec-2019 5	58
Academic Council meeting	09-Jul-2019 1	17
Leadership Talk	30-May-2020 1	74
VLSI Chip Design -Using Open Source EDA	08-Jul-2019 5	35
Modern Infrastructure & Construction Practices	29-May-2020 2	185
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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	2020 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. To handle with the pandemic situation, classes were conducted online in the even semester of academic year 201920 and completed the pending syllabus. 2. During the lockdown time, students and faculty were given free access to COURSEARA, a Tatasteel capability development platform, to enable them to improve

their skills and succeeded in getting successful results. 3. Hardware and Software facilities are provided to conduct the classwork for 201920 academic year through online mode was initiated. 4. precautions/measures were taken in the campus against COVID19 unlock was initiated. 5. Internal Academic audits for all programmes to enhance the quality in all academic activities

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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 introduce online certification courses	Faculty and students of various departments registered and completed NPTEL, Coursera online courses
To enhance computing and ICT facilities	ICT facilities are enhanced to meet online classwork requirements
To organize seminars, conferences and workshops	seminars and workshops were conducted
To encourage APSSDC multi skill program	APSSDC skill development programs were conducted
To conduct academic audits	Academic audits conducted for Quality improvement
To improve community and extension activities	Community and extension activities were conducted
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council	09-Jul-2019

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

2020

Date of Submission

20-Jan-2020

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	09/07/2019
Mtech	PED,MD,VLSI&ES,CSE	PED,MD,VLSI&ES,CSE	09/07/2019

MBA	MBA	MBA	09/07/2019
MCA	MCA	MCA	09/07/2019
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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	19/08/2019	English-1 (18CE1T01), (18EE1T01), (18ME1T01), (18EC1T01), (18CS1T01), (18IT1T01)	19/08/2019
BTech	CE,EEE,ME,ECE, CSE,IT	19/08/2019	English Communication skills Lab-1 (18CE1L06), (18EE1L06), (18ME1L06), (18EC1L06), (18CS1L06), (18IT1L06),	19/08/2019
BTech	CE,EEE,ME,ECE, CSE,IT	19/08/2019	Problem Solving Through C (18CE1T04), (18EE1T04), (18ME1T04), (18EC1T04), (18CS1T04), (18IT1T04)	19/08/2019
BTech	CE,EEE,ME,ECE, CSE,IT	19/08/2019	Problem Solving Through C Lab (18CE1L08), (18EE1L08), (18ME1L08), (18CS1L08), (18IT1L08),	19/08/2019
BTech	CE,EEE,ME,ECE, CSE,IT	20/01/2020	English - II (18CE2T01), (18EE2T01), (18ME2T01), (18EC2T01), (18CS2T01), (18IT2T01)	20/01/2020
BTech	CE	07/01/2020	Humanities (Effective Technical Communication) (18CE3T01)	07/01/2020
BTech	CE	07/01/2020	Management - 1 (18CE3N10)	07/01/2020

BTech	CE	10/06/2019	Management Science	10/06/2019
BTech	CE, EEE,ME	10/06/2019	IPR & Patents	10/06/2019
BTech	EEE,ME	18/11/2019	Professional Ethics and Human Values	18/11/2019
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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
Nil	Nil	Nil
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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	09/07/2019
BTech	Electrical & Electronics Engineering	09/07/2019
BTech	Mechanical Engineering	09/07/2019
BTech	Electronics & Communication Engineering	09/07/2019
BTech	Computer Science & Engineering	09/07/2019
BTech	Information Technology	09/07/2019
Mtech	Power Electronics & Drives	09/07/2019
Mtech	Machine Design	09/07/2019
Mtech	VLSI & ES	09/07/2019
Mtech	Computer science and engineering	09/07/2019
MBA	Master of Business Administration	09/07/2019
MCA	Master of Computer Applications	09/07/2019

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
Amazon AWS- Alexa	16/08/2019	72
Gaming Workshop Using Unity 3D	16/08/2019	57
PCB Designing	09/09/2019	192
Fundamentals Of Embedded System	05/09/2019	115

Revit	23/09/2019	59
CNC Programming	02/09/2019	39
Catia	17/09/2019	41
Solid Edge	21/09/2019	58
Auto CAD	11/11/2019	75
IOT	03/02/2020	190
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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	CE	110
BTech	ECE	4
BTech	CSE	12
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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
<p>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.</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	Number of seats	Number of	Students Enrolled
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Programme	Specialization	available	Application received	
BTech	CE,EEE,ME,ECE, CSE,IT	1008	606	606
Mtech	PED,MD,VLSI&E S,CSE	84	Nil	Nil
MBA	MBA	120	54	54
MCA	MCA	60	Nil	Nil
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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
2019	2720	167	142	11	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	Number of smart classrooms	E-resources and techniques used
168	168	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
2887	168	1:17

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
168	168	Nil	27	21

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	Designation	Name of the award, fellowship, received from
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	state level, national level, international level		Government or recognized bodies
2019	G Ashok Vardhan	Associate 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
BTech	CE, EEE, ME, ECE, CSE	II/IV	19/09/2020	10/10/2020
BTech	CE, EEE, ME, ECE, CSE, IT	II/III	05/11/2020	31/12/2020
BTech	CE, EEE, ME, ECE, CSE, IT	II/II	04/12/2020	18/02/2021
BTech	CE, EEE, ME, ECE, CSE	I/IV	08/11/2019	03/12/2019
BTech	CE, EEE, ME, ECE, CSE, IT	I/III	07/11/2019	10/01/2020
BTech	CE, EEE, ME, ECE, CSE, IT	I/II	28/11/2019	15/12/2019
BTech	CE, EEE, ME, ECE, CSE, IT	I/I	11/01/2020	29/01/2020
MBA	MBA	I/I	04/02/2020	17/02/2020
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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	2663	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.mictech.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	91	42	46.2
EEE	BTech	Electrical	95	68	71.6

		& Electronics Engineering			
ME	BTech	Mechanical Engineering	152	76	51.3
ECE	BTech	Electronics & Communicat ion Engineering	163	111	68.1
CSE	BTech	Computer Science & Engineering	162	110	67.9
MBA	MBA	Master of Business Adm inistration	61	58	95.1
MCA	MCA	Master of Computer Applications	33	21	63.6
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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_2019_20_2.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

No file uploaded.

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	11	8.8
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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
PCB Design	ECE	08/11/2019
IOT Fundamentals	ECE	23/08/2019
IPR Workshop	CSE	28/11/2019
AICTE Sponsored Short Term Training Program	CSE	21/08/2019
MHRD Leadership Talk Series	CSE	22/08/2019
Techno Mic	CSE	13/09/2019
FDP on Deep learning and Applications	CSE	09/12/2019
FDP on Artificial Intelligence and Machine learning	CSE	23/12/2019
1 day workshop on National innovation and Startup Policy	CSE	25/01/2020

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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
Nil	Nil	Nil	Nil	Nil

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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
Basic Engineering Department	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	Electrical electronics Engineering	2	1.06
International	Mechanical Engineering	8	2.28
International	Electronics	5	1.35

	Communication Engineering		
International	Computer Science Engineering	3	Nil
International	Basic Engineering Department	2	Nil
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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
Basic Engineering Department	6
Computer Science Engineering	4
Electronics Communication Engineering	9
Mechanical Engineering	9
Electrical Electronics Engineering	2
Civil Engineering	2
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Nil	Nil	0	Nil
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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
Pareto-based allocations of multi-type flexible AC transmission system devices for optimal reactive power dispatch using Kinetic Gas Molecule Optimization algorithm	P.Pradeep	Measurements Control	2020	1	DVR Dr HS MIC College of Technology	1

Optimal Allocation of Multiple FACTS Devices Considering Power Generation Pricing for Optimal Reactive Power Dispatch Using Kinetic Gas Molecule Optimization	P.Pradeep	International journal of Advanced Intelligence paradigms	2019	Nil	DVR Dr HS MIC College of Technology	Nil
An Improved Analytical Model of Outer Fringe Capacitance of Multifin Diamond Shaped Raised Source/Drain FinFET	Savitesh Madhulika Sharma	Silicon	2020	Nil	DVR Dr HS MIC College of Technology	Nil
A review on the compact modeling of parasitic capacitance: from basic to advanced FETs	Savitesh Madhulika Sharma	Journal of Computational Electronics	2020	6	DVR Dr HS MIC College of Technology	6
Improved Drive Capability of Silicon Nano Tube Tunnel FET Using Halo Implantation	Savitesh Madhulika Sharma	Silicon	2019	6	DVR Dr HS MIC College of Technology	6
Design	Savitesh	IET	2019	12	DVR Dr	12

and analysis of high k silicon nanotube tunnel FET device	Madhulika Sharma	Circuits, Devices Systems			HS MIC College of Technology	
Weld Quality Prediction of PAW by Using PSO Trained RBFNN	K. Srinivas	Advances in Materials and Manufacturing Engineering,	2019	2	DVR Dr HS MIC College of Technology	2
Non-linear modeling of mechanical properties of plasma arc welded Inconel 617 plates	K. Srinivas	Materials Testing	2019	Nil	DVR Dr HS MIC College of Technology	Nil
Heat Transfer and Flow Field Features between Surface mounted Trapezoidal-ribs	Dr. Naveen Sharma	Journal of Mechanical Science and Technology	2019	6	DVR Dr HS MIC College of Technology	6
Multi-objective Performance Optimization of a Ribbed Solar Air Heater	Dr. Naveen Sharma	Solar Energy	2020	3	DVR Dr HS MIC College of Technology	3
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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
Pareto-based allocations of multi-type flexible AC transmi	P.Pradeep	Measurements Control	2020	21	1	DVR Dr HS MIC College of Technology

<p>ssion system devices for optimal reactive power dispatch using Kinetic Gas Molecule Optimization algorithm</p>						
<p>Optimal Allocation of Multiple FACTS Devices Considering Power Generation Pricing for Optimal Reactive Power Dispatch Using Kinetic Gas Molecule Optimization</p>	P.Pradeep	International journal of Advanced Intelligence paradigms	2019	12	Nil	DVR Dr HS MIC College of Technology
<p>An Improved Analytical Model of Outer Fringe Capacitance of Multifin Diamond Shaped Raised Source/Drain FinFET</p>	Savitesh Madhulika Sharma	Silicon	2020	26	Nil	DVR Dr HS MIC College of Technology
<p>A review on the compact modeling of parasitic capacitance</p>	Savitesh Madhulika Sharma	Journal of Computational Electronics	2020	36	6	DVR Dr HS MIC College of Technology

e: from basic to advanced FETs						
Improved Drive Capability of Silicon Nano Tube Tunnel FET Using Halo Implantation	Savitesh Madhulika Sharma	Silicon	2019	26	6	DVR Dr HS MIC College of Technology
Design and analysis of high k silicon nanotube tunnel FET device	Savitesh Madhulika Sharma	IET Circuits, Devices Systems	2019	49	12	DVR Dr HS MIC College of Technology
Weld Quality Prediction of PAW by Using PSO Trained RBFNN	K. Srinivas	Advances in Materials and Manufacturing Engineering,	2019	6	2	DVR Dr HS MIC College of Technology
Non-linear modeling of mechanical properties of plasma arc welded Inconel 617 plates	K. Srinivas	Materials Testing	2019	24	Nil	DVR Dr HS MIC College of Technology
Heat Transfer and Flow Field Features between Surface mounted Trapezoidal-ribs	Dr. Naveen Sharma	Journal of Mechanical Science and Technology	2019	54	6	DVR Dr HS MIC College of Technology
Multi-objective Performance Optimization of a Ribbed Solar Air Heater	Dr. Naveen Sharma	Solar Energy	2020	181	3	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	5	216	Nil	Nil
Presented papers	1	1	Nil	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
No file uploaded.			

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
Distribution of note books Govt school	NSS	8	100
Visit to Amma Nanna Oldage home	NSS	6	100
Mega blood donation camp	NSS	6	100
one student one plant plantation programme	NSS	20	650
'Let's say 'YES' to Eco friendly Ganesh idols!'	NSS	5	70
Fund rise program	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
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Nil	Nil	Nil	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
Social Service	NSS/Lions Blood Bank	Mega blood donation camp	6	100
Environmental Protection	NSS/AP forest department	one student one plant plantation programme	20	650
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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 with contact details	Duration From	Duration To	Participant
internship	Industry-institute interaction	EdGate Technologies Pvt Ltd	28/06/2020	07/07/2020	Kamatham Venkatapadmavathi
internship	Industry-institute interaction	Government of AP Municipal Corporation	28/01/2020	28/02/2020	Dheekonda Sai Vivek
internship	Industry-institute interaction	Government of AP Municipal Corporation, VJA	28/01/2020	29/02/2020	Madala Srinu
internship	Industry-institute interaction	APGENCO, Dr .NTTPS, IBM	01/02/2020	02/03/2020	Bonthu Subba Reddy
internship	Industry-institute interaction	Government of AP Municipal Corporation, VJA	28/01/2020	29/02/2020	K.Haritha

internship	Industry-institute interaction	BSNL	29/06/2020	26/07/2020	Seemakurthi Rajashree
internship	Industry-institute interaction	BSNL	04/05/2020	31/05/2020	Tadisetty Jagadeesh Prasad
internship	Industry-institute interaction	Entuple Tehnologies	23/06/2020	30/08/2020	Shaik Sadhika
internship	Industry-institute interaction	Government of AP Municipal Corporation, VJ A	28/01/2020	27/02/2020	H.Sai Kumar
internship	Industry-institute interaction	Government of AP Municipal Corporation, VJ A	28/01/2020	29/02/2020	NemaliPuri Jaya Sri

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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
Sudhakar PVC Pipes Fittings	Nill	Training Assistance to Students	Nill
G S Electricals	Nill	Training Assistance to Students	Nill
South Central Railways	Nill	Training Assistance to Students	1
TEPISB	Nill	Training Students on ENTrepreneurship	36
APSSDC	Nill	Training the students and Faculty	200

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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
25	15.02

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

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
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	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
NewGenLib	Fully	3.2	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	42680	15935382	109	58751	42789	15994133
Reference Books	6055	3335032	10	5390	6065	3340422
e-Books	6105	27140	500	19470	6605	46610
Journals	122	142407	13	34516	135	176923
e-Journals	618	502660	435	13570	1053	516230
CD & Video	2409	Nil	71	Nil	2480	Nil
Library Automation	1	62390	1	12390	2	74780
Weeding (hard & soft)	641	161150	46	11500	687	172650
Others (specify)	150	22500	Nil	Nil	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	1237	14	220	2	1	30	90	220	0
Added	0	0	0	0	0	0	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	514.5	60	48.5

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 class rooms, 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
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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
Language lab-English Communication skills lab-I	01/07/2019	446	MIC College of Technology
Bridge courses	05/08/2019	446	MIC College of Technology
Remedial coaching	01/07/2019	154	MIC College of Technology
Soft skill development-Placement training	09/09/2019	270	Six Phrase
Soft skill development-Placement training	24/06/2019	315	CCC School of Coding, Visakhapatnam

Soft skill development-Placement training	13/06/2019	409	Aptitude Experts (APEX), Visakhapatnam
Soft skill development	10/02/2020	420	Gillette India
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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
2019	Campus Recruitment Training	Nil	409	Nil	281
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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
Nil	Nil	15

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
Unistring Tech Solutions, Hyderabad Efftronics Systems Pvt Ltd Zensar Zen Q Aptroid Star Health Insurance Surya Tech Aegon Life Usha Fire Safety Asahi India Glass Ltd	409	194	TCS United Health Group (OPTUM) WIPRO INFOSYS Mind Tree Cognizant IBM Dmart Tech Mahindra Miracle Software Systems	390	87
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of	Programme	Department	Name of	Name of
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	students enrolling into higher education	graduated from	graduated from	institution joined	programme admitted to
2020	1	B.Tech	ME	JNTU ANANTHAPUR	M.Tech
2020	1	B.Tech	ME	FANSHAWE COLLEGE, CANADA	MS
2020	1	B.Tech	ME	WRIGHT STATE UNIVERSITY, OHIO STATE	MS
2020	1	B.Tech	ECE	NORTH DAKOTA STATE UNIVERSITY GRADUATE SCHOOL	MS
2020	1	B.Tech	CE	NIT Agartala	M.Tech
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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
Any Other	17
GRE	2
TOFEL	1
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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- click click click 19-8-2019	Institute Level	48
Guest Lecture on Youth in Politics	Institute Level	150
MICFEST2020 A sports cultural fest	Institute Level	2800
Aagama20 Paper presentation 14.02.2020	National Level	230
Movie review by TALENTIA on 20/09//2019	Institute Level	15
Stand up Comedy by TALENTIA on 03/10/2019	Institute Level	18
Court Martial By TALENTIA on 07/09/2019	Institute Level	25
Finish me Activity by TALENTIA on 01/08/2019	Institute Level	22

Skit by TALENTIA on 26/07/2019	Institute Level	8
Ad Making by TALENTIA on 19/07/2019	Institute level	34
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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
2020	1st prize	National	1	Nil	18H75A0222	Kota kri shnaveni
2020	1st prize	National	1	Nil	17H71A0201	AdithyaT anikella
2020	1st prize	National	1	Nil	17H71A0255	Mallelas usmitha
2020	1st prize	National	Nil	1	17H71A0262	Venkata Naga Rakesh N
2020	1st prize	National	Nil	1	17H71A0248	M.S.V.D PhaniMadha v
2020	1st prize	National	Nil	2	17H71A0239	AkulaRamya Sai
2019	1st prize	National	Nil	1	18H71A04D4	Vallabha neniJaswan th Sai
2019	1st prize	National	Nil	1	17H71A04D4	Shaik Hussain
2019	1st prize	National	Nil	1	17H71A0464	Anusha Vantala
2019	1st prize	National	Nil	1	16H71A0464	Shaik Dilawar Pasha
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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 Cocurricular 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

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:

8193

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Interactive session on 27.1.2020 with first B.Tech students

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 HODs meeting with Principal will be held and the views of all HODs 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 HODs meeting are discussed. The concerns of faculty if any, will be again brought to the notice of the Principal in the next HODs 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
Curriculum Development	Curricula are prepared by all Departments taking guidelines from AICTE Model Curriculum , JNTUK curriculum and Curricula adopted at other Premier Institutions and by Considering Industry needs and Technological Challenges. Constituting Board of Studies (BoS) with members from NITs, IITs, Alumni and Industry. Appointing alumni as members of Board of Studies who involves in the design and development of curriculum Receiving feedback from the employers and alumni on existing curriculum for the required improvement and innovation In our Current Regulations Courses are added to enhance the employability skills and improve self-learning. Capability (MOOCs). Internships are included to meet industry requirements.
Industry Interaction / Collaboration	<ul style="list-style-type: none"> • College has signed MOUs with various Industries/organizations for the benefit of students and staff. • Regular Industrial Visits are conducted for students to enhance their technical skills. • Industrial training is being arranged for the Lab Technicians. • Guest lectures are organized for students from the industry experts to fill the Industry-Institute gap.
Human Resource Management	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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. • ICT - Installing computer system, LCD projector and public address system in all the seminar halls

and eclass rooms. • Providing internet and intranet facility with sufficient bandwidth. • Wi-Fi connectivity is available in the departments. • Infrastructure - Providing required class rooms, tutorials, labs, well-furnished auditorium and seminar halls etc. • Providing required computational facilities with sufficient number of computer and peripherals. • Providing the various amenities such as canteen, indoor and outdoor game facilities, hostels and transport. • Each department has its own computing facilities to meet the curriculum needs. • Each department is provided with LCD projectors, Laptops for computer aided teaching. Internet is provided for all the departments with 200 Mbps bandwidth. • Computers are loaded with the required software as per the curriculum requirements.

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 e-classrooms • 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 Collecting Feedback from the stakeholders (students, alumni, industry experts, research organizations and parents). . Monitoring of course files, lesson plans by random sampling Verification and special classes for weak students during evening hours. Encouraging faculty for online certification Courses (NPTEL, MOOCS, Etc.) and our faculty members students registered for NPTEL online certification courses and successfully completed the courses.

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.

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).

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

E-governance area	Details
Examination	Pre and post examination works are done with the help of software. Fee payment is through online Results are published through website http://exams.mictech.ac.in
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 feedback on teaching quality is also taken through online. • Fee reimbursement and scholarship support is extended to the students while applying for it.
Administration	Circulars /Notifications information will be sent to Departments and urgent/emergency information will be sent to staff through SMS / email.
Planning and Development	NewGenLib software has been used for the management of library related

activities. In view of COVID-19, online classes are being arranged along with off line classes for all programs, using GoTo meetings, zoom, Goggle meet etc. As part of ICT, digital boards in all departments, emails, whatsapp are in use.

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
Nil	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)
2020	ADVANCES IN MECHANICAL ENGINEERING	Nil	08/06/2020	13/06/2020	18	Nil
2020	ADVANCED MACHINING PROCESS	Nil	18/07/2020	18/07/2020	18	Nil
2019	VLSI Chip Design -Using Open Source EDA	Nil	08/07/2019	12/07/2019	35	Nil
2019	Deep Learning and applications	Nil	09/12/2019	13/12/2019	58	Nil
2019	VLSI Chip Design -Using Open Source EDA	Nil	16/12/2019	20/12/2019	45	Nil
2019	AI Machine Learning	Nil	23/12/2019	27/12/2019	49	Nil

2020	Programming for beginners Python 3	Nil	31/05/2020	31/05/2020	87	Nil
2020	Leadership Talk	Nil	30/05/2020	30/05/2020	74	Nil
2020	Modern Infrastructure Construction Practices	Nil	29/05/2020	30/05/2020	185	Nil
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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
ICT Tools in Education Using MOODLE	3	22/05/2020	26/05/2020	5
Three day FDP on Hadoop and Machine learning	1	18/05/2020	20/05/2020	3
FDP on Artificial Intelligence Machine Learning	1	18/05/2020	22/05/2020	5
One week National level FDP Innovation to Academicians	1	11/05/2020	16/05/2020	6
Emerging Trends in Power System Industrial Drives	2	11/11/2019	15/11/2019	6
AICTE sponsored One Week STTP on "Trends Innovations in Electrical Engineering TIEE-2019	3	16/09/2019	21/09/2019	6
VLSI CHIP DESIGN HANDS-ON USING OPEN SOURCE EDA	18	16/12/2019	20/12/2019	5

FDP on Recent Advancements in Concrete Technology	1	21/05/2020	27/05/2020	7
FDP on Behaviour of Structural Systems- Bridging the gap between the theory and real time practice	1	22/05/2020	25/05/2020	4
STTP on Infrastructure Development: Possibilities and challenges Ahead	2	25/05/2020	29/05/2020	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
27	27	Nil	Nil

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	Nil
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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)

<p>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</p>
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6.5.3 – Development programmes for support staff (at least three)

<p>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</p>
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

<p>1. Initiated and completed the pending syllabus in the even semester of academic year 2019-20 and conduct of classes through online mode to handle the pandemic situation. 2. Provision of free access to COURSERA, TCS platform for students and faculty to upgrade their skills during the lockdown period was initiated and succeeded in getting successful results. 3. Hardware and Software facilities are provided to conduct the classwork for 2019-20 academic year through online mode was initiated. 4. precautions/measures were taken in the campus against COVID19 unlock was initiated.</p>
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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	No

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
2019	A FDP on AI Machine Learning	23/12/2019	23/12/2019	27/12/2019	49
2019	A FDP on Deep Learning and applications	09/12/2019	09/12/2019	13/12/2019	58
2020	Leadership Talk	30/05/2020	30/05/2020	30/05/2020	74
2019	Academic Council meeting	09/07/2019	09/07/2019	09/07/2020	17
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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
Women-The backbone of the Society	18/11/2019	18/11/2019	220	Nil
Awareness programme on Dish App	25/02/2020	25/02/2020	250	Nil
Celebration of International Women's Day	07/03/2020	07/03/2020	280	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
Solar energy generation of 100 kVA capacity was installed on the rooftops of main block

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	10
Rest Rooms	Yes	10
Scribes for examination	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address	Number of initiatives taken to	Date	Duration	Name of initiative	Issues addressed	Number of participating students
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	locational advantages and disadvantages	engage with and contribute to local community					and staff
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.							

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	27/08/2019	27/08/2019	100
Fund rise program to help college students	17/10/2019	17/10/2019	100
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

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

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 intercollege 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

<https://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

DVR Dr. HS MIC College of Technology was established in the year 2002 and has been upgrading its quality which is reflected in various forms: a) NAAC 'A' grade b) NBA accreditation for three departments ME, ECE and CSE c) Autonomous status by UGC The college NSS wing has initiated various programs like 'One Student one Tree Program' as a part of which students planted 1000 plants in 'Gandrai Reserve Forest'. Another initiative is 'Let's Say 'YES' to Eco friendly Ganesh' program through which students of the college visited nearly 20 schools and colleges and highlighted the adverse effects of using POP and encouraged the use of Ganesh idols prepared with clay by giving power point presentations. The college has been in the forefront during Covid 19 pandemic in extending help to the government and people in need. Our institution was first in the region to voluntarily surrender our hostel facilities to the government quarantine center and accommodated numerous Covid patients. The effects of Covid-19 pandemic were unimaginable. In this regard the institute mentored the students in all fronts. The institute strictly followed the SOPs released by the government and created awareness about wearing masks, washing hands, practicing daily exercises, use of sanitizers, taking healthy diet and maintaining social distance. Every day sanitization process of entire college campus has been initiated as a regular activity, foot operated sanitizers have been installed at almost all entrance areas and each one is monitored for temperature before entering the institute. Mr. Abhilash of Final year B. Tech. from ECE branch has come up with low-cost automatic hand sanitizer dispenser that allows people to sanitize their hands in public while minimizing contact and thus helps in mitigating the pandemic. The outbreak of the COVID-19 pandemic has facilitated a modern approach for teaching and learning with the use of ICT and the institute has adopted the same and thus facilitated students with un-interrupted learning. A licensed version of MS Teams was purchased and all the faculty and students were provided IDs and Passwords. Best efforts were

put in to give the best to students. Even placement training remained uninterrupted and on-line open campus drives were conducted which helped students to get placed in industry/organizations of repute. International certification programs through COURSERA to meet international standards in education were introduced and majority of the students and faculty completed the courses and got benefitted. Activities and Events: Basic Engg. Dept.: An International Webinar was organized on account of 'World Environment Day 2020'.

Civil Dept.: A National Level Free Webinar on "Modern Infrastructure amp Construction Practices" on 29 th and 30th May 2020. Mechanical Dept.: A webinar series on 'Advances in Mechanical Engineering' from 08-06-2020 to 13-06-2020.

ECE Dept.: Online Faculty development Programs: VLSI Chip Design Using Open Source EDA from 08-07-19 to 12-07-19 Deep Learning Applications from 09-12-19 to 13-12-19 VLSI Chip Design Using Open Source EDA from 16-12-19 to 20-12-19 AIampML from 23-12-19 to 27-12-19 Programming for beginners Python 3 on 31-05-20

Provide the weblink of the institution

<https://www.mictech.ac.in/distinctiveness/2019-20>

8.Future Plans of Actions for Next Academic Year

1. To enhance hardware and software facilities to conduct class work through online mode for academic year 20-21 2.To improve enrollments in online certification courses 3. To improve RD activities 4. Encourage faculty participation in FDPs ,workshops,Training programs 5. To improve placement activities. 6. To develop curriculam to meet industry requirements by adding skill development courses.