IQAC Annual Report
2020-21

Madanapalle Institute of Technology & Science

Post Box No: 14, Kadiri Road, Angallu (Village), Madanapalle-517325

Chittoor District, Andhra Pradesh, India

Madanapalle Institute of Technology & Science

Post Box No: 14, Kadiri Road, Angallu (Village), Madanapalle-517325

Chittoor District, Andhra Pradesh, India

Vision

To become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation.

Mission

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

Quality Policy

Madanapalle Institute of Technology & Science is committed to bring out and nurture the talents and skills of youth in the fields of Engineering and Management to cater to the challenging needs of society and industry by

- ✓ Contributing to the academic standards and overall knowledge development of the students
- ✓ Providing excellent infrastructure and conducive learning environment.
- ✓ Enhancing the competence of faculty and promoting R & D Programs
- ✓ Collaborating with institutions and industries.
- ✓ Ensuring continual improvement of Quality Management System.

About IQAC

The institute has an Internal Quality Assurance Cell (IQAC), established as per the UGC guidelines, to realize the quality policy of the institute through continuous improvement process. The activities of IQAC and the best practices of the institute are guided by its strategic quality plan submitted at the beginning of the academic year. The IQAC Co-Ordinator is part of all major committees to extend support to all the academic activities and recommends student centric core procedures. The IQAC has expressively contributed towards improving Curriculum, Academic Excellence, Teaching & Learning Process, Evaluation Methods and Research atmosphere in the institution. The Cell has ensured synchronization in various activities of the institution and institutionalized good practices.

Functions of IQAC

The IQAC shall have the following functions:

- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the Colleges
- Facilitating the creation of a learner-centric environment conducive for quality education and skill development.
- Arrangement for feedback responses from students, parents and other stakeholders on quality related institutional processes
- Dissemination of information on the various quality parameters of higher education
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/activities of the College, leading to quality improvement

- Acting as a nodal agency of the college for coordinating quality-related activities, including adoption and dissemination of good practices
- Development and maintenance of institutional database through MIS for the purpose of maintaining / enhancing the institutional quality
- Development of the Annual Quality Assurance Report (AQAR) of the College based on the quality parameters/assessment criteria developed by the relevant quality assurance body (like NAAC, NBA) in the prescribed format
- Interaction with Student's Quality Assurance Cell (SQACs) in the pre and post accreditation quality assessment, sustenance and enhancement endeavors.

IQAC Policy

To realize the goals of the institute's quality policy

To establish a quality system to improve the academic and administrative performance of the Institution.

To promote internalization of quality culture and institutionalization of best practices.

1. Role of Management

- The management on its part will create an environment conducive for teaching, learning, and research.
- The management will provide the infrastructure, time space, and equipment required to conduct teaching-learning and research

2. Role of Faculty

- The faculty will adhere to the standards established for teaching, research, and other academic/administrative activities.
- The faculty will motivate, encourage, and inspire students through their capacities such as class teacher, mentor and guide.

3. Role of students

- Students would use the infrastructure, facilities, and equipment to maximize their learning and obtain appropriate placements/higher studies.
- The students would maintain decorum of the establishment by adhering to timelines, schedules, and standards of behavior.
- The students would act as ambassadors for promoting the learning culture at MITS not only among the current students but also the prospective students

4. Role of Alumni/ Parents/ Employers

- The institute will maintain seamless communication links with alumni/parents/employers and seek guidance/information regarding trends/needs of the industry.
- The institute will invite selected alumni/ employers/ parents to participate in academic/non-academic activities in order to encourage, motivate, and inspire students to take up the challenges of the world.

Periodicity of meetings

The IQAC committee will meet once every quarter.

IQAC Composition 2020-21

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC - AUTONOMOUS)

Approved by AICTE, New Delhi and Affiliated to JNTUA, Anantapuramu

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23 – 12 - 2020

OFFICE ORDER

In continuation of the office order dated 30.11.2019, the internal quality assurance cell has been reconstituted in line with AICTE norms.

Serial No	Members	Nominated Members	
1	Chairperson	Dr. C. Yuvraj, Principal	
2	Senior Administrative Officers	Academics	Dr. P. Ramanathan, Vice Principal – Academics
		Administration	Dr. Sremmant Basu, Dean Administration & International Relations
		General Administration	Dr. C. Kamal Basha, Coordinator-PAARC Cell
			Mrs. M. Prathibha, SAO (G. A. D)
		Academic & Planning	Mr. B. Sreekanth, SAO (Academic & Planning)
		Placement	Dr. Ch. Rama Prasada Rao, Dean - Placements & IIIC
		Accounts	Mr. G. Venu Madhav, CFO
		Examination Cell	Dr. G. Harinath Gowd, COE
3	Faculty Members	MECH	Dr. Prasanna Kumar Duvvi, Professor
			Dr. V. Shankar Nath, Sr, Asst. Prof.
		CIVIL	Dr. Swapneel S. Jaiswal, Sr, Asst. Prof.
			Dr. Biraja Prasad Mishra, Sr, Asst. Prof.
		EEE	Dr Subhasish Mahapatra, Sr. Asst. Prof.
			Dr Saran Satsangi, Sr. Asst. Prof
		ECE	Dr. Shatrughan Kumar, Sr. Asst. Prof.
			Dr. Brijesh Kumar Singh, Assoc. Prof
		CSE	Dr. K. Saravanan, Assoc. Prof.
			Dr. J. Ashpin Pabi, Asst. Prof.
		CST	Dr. Padma.S , Asst. Prof.
			Dr.R.Rajakumar, Assoc. Prof.
		MBA	Dr. Mohd. Mujahed Ali, Assoc. Prof.
			Dr. G. Mahendar, Asst. Prof.
		MCA	Dr. A. Manimaran, Asst. Prof.
			Dr. Vinod Kumar, Asst. Prof.
		BSH	Dr. Victor Vedanayakam, Asst. Prof.

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

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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
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4	Members of Management	Sri. D. Venugopal Choudary
5	Nominees from Local Society, Students, and Alumni	1. Mr. T. G. Ravi Kumar No. 15-5-5, Sri Sai Nilayam, RRN Colony, Madanapalle, 517325 (Local Society) 2. Ms. Siri Chandana (18691A05C9), III B.Tech, CSE – C Section (Student) 3. Mr. S. Anjaneyulu, Technical Lead, Capgemini Technologies, Bangalore (Alumni) 4. Mr. T. Ananda Krishna, Sr. Analyst, App Development, Accenture, Bangalore (Alumni)
6	Nominees from Employers, Industrialist, Stakeholders	1. Sri Hari Prasad, Scientist, Aeronautical Development Establishment, DRDO, Bangalore – 560075 2. Mr. Manjunath, Managing Director, Hamsa Enterprises, Madanapalle, AP 3. Mr. Narendra Babu, Sr. App Engineer, Starcom IT Ltd. MG Road, Bangalore
7	IQAC Document Manager	Mr. R. S. Shaikshavali Malik
8	Coordinator/~~Director~~ of IQAC	Dr. R. Varadarajan, Assoc. Professor

The committee shall takeover immediately with existing mandate and will strive to improve upon the excellent work done by the previous committee.

The management and the principal of Madanapalle Institute of Technology & Science wishes them all the best in this endeavor.

Dr. C. Yuvaraj
PRINCIPAL

Principal
Madanapalle Institute of
Technology & Science
MADANAPALLE

Copy to:

Office of the Secretary and Correspondent

Office of the Director

Office of the Principal

Heads of Departments

Members of the IQAC cell

INTRODUCTION

The classes for the academic year 2020-2021 began from August 17th, 2020, for B. Tech due to the COVID 19 pandemic. The college functioned physically during odd and even semesters, Mid exams, semester exams and evaluation were conducted offline. The IQAC team members in accordance with IQAC policy finalized the strategic plan for the AY 2020-21. For the NAAC reassessment process, the steering committee was formed for preparing SSR submission and review meetings were conducted regularly with the concerned Criterion Heads. All the departments are requested to update the Criteria files as per the requirements.

Three IQAC meetings were conducted to discuss and analyze the academic performance, research & consultancy activities, NAAC peer team visit, Curriculum design etc. Based on the feedback received from the stakeholders, with approval of principal suitable actions were taken. As per the IQAC calendar, the events were conducted in the respective departments. Academic and Administrative audit was conducted to monitor and to analyze the performance of the department's faculty members and institute as a whole.

All the Teaching and Non-teaching faculty members are advised to enhance their skills and knowledge through MOOCs platform. The capacity development programmes were also conducted in various departments through online mode. IQAC Promoted various training programs, self-learning, and MOOC's certifications for students to improve their skills and achieve better placements and also encouraged the students to carry out international internships in order to improve their career opportunities, higher education and research activities. To promote the Research and Collaborative activities of faculty members IQAC initiated incentives for Research and Consultancy Activities such as Publications in SCI / SCOPUS Journals, Funded research projects and Consultancy work.

Quality Initiatives, Implementation and Outcomes

Plan of action	Implementation	Achievements / outcomes
Improve NAAC grade through reassessment	The working committee periodically assessed the documents for NAAC peer team visit by conducting audits	Academic and Administrative audits were conducted successfully
Secure NIRF ranking band less than 100	Working and Advisory Committee for NIRF Rankings collected the data and submitted to same to the data capturing system of NIRF-India	NIRF ranking band 201-250
Designing the curriculum to improve the employment capability of the students	The number of courses were introduced in the curriculum to improve the employment capability of the students for the academic year 2020-21.	982 offers for Students in various companies.
Revision/update of regulation or syllabi	Curriculum and syllabus for both UG and PG programs have been revised and a new regulation (R20) has been created, passed by the respective BOS members, and finally approved by academic council. Regulation R20 is applicable from academic year 2020-21 onwards. Skill oriented Courses were being added to enhance employability skills.	The curriculum for all first year UG and PG programmes has been completed Syllabus revision is in progress for second year B. Tech, MBA and MCA programmes
Teachers use ICT enabled tools including online resources for effective teaching and learning Processes during Pandemic	During the COVID-19 pandemic the institute conducted online/virtual classes through Microsoft teams. Microsoft Teams platform which has provision for live video streaming, quizzes, insights, attendance monitoring, and sharing of materials.	Two Demo session for Microsoft Teams were conducted and around 200 faculty members get benefited to utilize MS team platform effectively for exchange teaching & learning process
To increase the research projects, compared to last academic year.	R & D cell promote the faculty to attend the conference /seminars / workshops in premier institutes to enhance the knowledge in cutting edge technologies. Incentives were paid to the team of investigators of research projects with	Dr. S. Baskaran received AICTE - Research Promotion Scheme worth of 18.93 lakhs.

Plan of action	Implementation	Achievements / outcomes
	external funding with an amount equal to 10% of the total non-recurring grant.	
To encourage the faculty members to publish papers in SCI / SCOPUS Journals and conferences and file patents	Faculty members after completion of the probation period were permitted to attend a maximum of two conferences / seminars / workshops / symposiums per year held within India and during the vacation time at IITs, NITs and other premier institutes.	229 publications in SCI/SCIE, Scopus, UGC – recommended and web of science journals. Four patents filled among which two got published.
To improve self-learning and programming skills for placements	Implementation partner of Coursera -Learning for Growth (L4G) has launched the Self-driven Learning Campaign free of cost to MITS faculty and Students for unlimited number of courses.	17,245 coursera certificates were awarded to students and faculty members in the pandemic situation in 2020- 21. 982 Students placement offers received in this academic year.

IQAC Minutes of Meetings

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu
Accredited by NBA, Recognized under section 2(f) & 12(B) of the UGC act 1956
World Bank funded Institute, An ISO 9001-2008 Certified Institution
First Recognized Research Centre under JNTUA, Recognized as SIRO by DSIR

CIRCULAR

17/07/2021

IQAC meeting is convened on, 19 / 07/2021, at 4.30 P.M. in the Scale Up Class Room (East Building), to discuss the following processes to the quality procedures prescribed by the NAAC.

1. Curriculum Revision for UG / PG Programmes
2. Teaching & Learning
3. Collaborative Activities
4. Participation in Virtual Workshops FDPs/Seminars Conferences
5. Research, Consultancy and quality publications
6. Preparation for NAAC peer team visit
7. Any other matter.

P.Ram

Coordinator (IQAC)

IQAC Coordinator
Madanapalle Institute of
Technology & Science
MADANAPALLE- 517325.

Principal

PRINCIPAL
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517325 A P

Copy to:
The Secretary, Madanapalle institute of technology and Science
The Principal
The Heads of Departments
All the members of IQAC

MINUTES OF MEETING

Dated: 12/07/2021

IQAC meeting is convened on 19/07/2021at 4.30 pm in the Scale Up Class Room, Madanapalle Institute Technology & Science, Madanapalle to discuss the following procedures prescribed by the NAAC:

1. Curriculum Revision for UG / PG Programmes
2. Teaching & Learning
3. Collaborative Activities
4. Participation in Virtual Workshops FDPs / Webinars /Conferences
5. Research Activities
6. Preparation for NAAC peer team visit
7. Any other matter.

Dr. C. Yuvaraj, Chairman IQAC and Principal	Member
Dr. P. Ramanathan, Coordinator, IQAC & Vice Principal Academics	Member
Dr. S. Baskaran, Co-Coordinator, IQAC & Associate Professor, ME	Member
Dr. S. Padma, Co-coordinator, IQAC & Assistant Professor, CST	Member
Dr. K. Vanitha, Co-coordinator, IQAC & Assistant Professor, CSE	Member
Dr. Sremmant Basu, Dean-Administration & International Relations	Member
Mrs. M. Prathibha, SAO (G.A.D)	Member
Mr. B. Sreekanth, SAO (Academics & Planning)	Member
Mr. G. R. Hemanth Kumar, SAO (Systems)	Member
Mr. SGH. Gowda , Sr. Manager (Corporate Relations)	Member
Mr. Venu Madhav, Chief Finance Officer	Member
Dr. G. Harinath Gowd, Controller of Examinations	Member
Dr. Biraja Prasad Mishra, Senior Assistant Professor, CE	Member
Mr. Rajesh KS, Assistant Professor, EEE	Member
Dr. Satrughan Kumar, Professor, ECE	Member
Dr. D. J. Ashpin Pabi, Assistant Professor, CSE	Member
Dr. G. Mahendar, Assistant Professor, Management Studies	Member
Dr. Sivaraj C, Assistant Professor, Computer Applications	Member
Dr. K. Lakshmi Devi, Assistant Professor, English & Foreign Languages	Member
Mr. N. Prabu, Assistant Professor, EEE Department	IQAC Document Manager
Mr. P. Murali, Assistant Professor, ECE	IQAC Document Manager
Mr. T. G. Ravi Kumar, (Local Society)	Member
Mr. T. Ananda Krishna, (Alumni)	Member
Mr. Narendra Babu, (Industrialist)	Member

The IQAC coordinator extended a hearty welcome to all the members present and requested Dr. Yuvaraj, Principal to discuss the agenda points.

Suggestions

1. **Curriculum Revision**

   - All the academic departments were informed to prepare the course syllabus for R20 regulations as per the structure defined earlier.
   - The course structure for B.Tech R20 regulations must be finalized based on the inputs received from APSCHE and JNTUA. External Members advised to introduce more skill oriented courses in the curriculum for better career opportunities of students.
   - Alumni member appreciated the institutes efforts in introducing new B. Tech Programmes in emerging areas like Artificial Intelligence, Data Science and Cyber Security.

2. **Teaching & Learning**

   - The principal informed that due to the pandemic the examinations for final year B. Tech Programs have been delayed. He further instructed the Controller of Examinations to take necessary steps to complete spot valuations and publish the results during the end of July 2021.
   - Based on the inputs received from the affiliating university, chairman advised and sought suggestions for conduction Project Viva Voce Examinations for all UG / PG programmes in Virtual mode. All the members unanimously accepted the decision to conduct online Project Viva Voce Examinations.
   - It is observed that online classes are proceeding smoothly for all Programmes.

3. **Collaborative Activities**

   - The principal advised the members to encourage the students to participate in Virtual Internships conducted by reputed foreign universities to attain global exposure.
   - External members advised the IQAC committee / Placement Officer to take necessary steps for identifying skilled external trainers to train the students appropriately in areas of demand to enhance placements for the upcoming academic year.

4. **Participation in Virtual Workshops FDPs / Webinars /Conferences**

   - IQAC coordinator requested the members to encourage the students and faculty Members to participate in various online technical events.
   - External members advised the faculty members to attend several AICTE initiated programs.

5. **Research Activities**

   - The principal encouraged faculty members to prepare and submit proposals to various funding agencies.

6. Preparation for NAAC Peer Team Visit

- The Criteria Heads / Heads of Various Departments / Department NAAC coordinators are instructed to get prepared for the upcoming NAAC Peer Team Visit.
- IQAC Coordinator requested to conduct Mock NAAC visit.
- Also, the criteria heads are requested to provide suitable data for preparation of AQAR.

IQAC coordinator proposed the vote of thanks to all the committee members for providing their valuable inputs for the betterment of institution.

Coordinator (IQAC)
Technology & Science
Copy to: NAPALLE - 517325.

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

The Correspondent & Secretary, Madanapalle institute of Technology & Science
The Principal
The Heads of Departments
All the members of IQAC

Action taken report based on the feedback collected

ACADEMIC YEAR: 2020-21

Sl. No	Salient Feedback Given by Stakeholders	Action Taken by IQAC
1	Need to add courses on recent technology such as AI and Machine Learning.	More advanced courses were added like Internet of Manufacturing things and Machine Leaning for Mechanical engineering, IoT, AI, 3D printing in CNC lab to meet the recent technologies.
2	Self-learning capacity to be increased.	Students were encouraged to register for more online courses from Coursera, Swayam- NPTEL etc.,
3.	Need training on IC design software tools.	Planned and conducted training programs on various CAD EDA Tools
4.	To improve students to clear technical interview.	Mock interviews were conducted by high qualified and experienced faculty members.

Achievements

Academic

For all the programmes, syllabus revision was carried out with Choice Based Credit System (CBCS)/Elective Course System during the academic year. 560 courses focused on employability/entrepreneurship/ skill development and 144 new courses were introduced across all programmes relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the curriculum. Eight value-added courses were offered, and 6242 students enrolled during this Academic year (2020-21).

Teaching and Learning

Student-centric methods such as experiential learning, participative learning and problem-solving methodologies were used for enhancing learning experiences. MOODLE is a common application software which is used by the students and faculty members of Madanapalle Institute of Technology & Science. The faculty members provide instructional materials and posts assignments through this platform for the student community.

417 full-time teachers recruited against sanctioned posts during the year out of which 248 teachers possess Ph.D. qualification. 1503 final year students passed in the examinations conducted by Institution in 2020-21.

Our faculty members utilized ICT enabled tools including online resources for effective teaching and learning Processes during Pandemic. Two Demo sessions for Microsoft Teams were conducted on 17.08.2020 & 23.04.2021 and around 200 faculty members benefited.

The following capacity building programmes were conducted during the year.

One Week Online Faculty Development Programme on Scientific Writing using LATEX, organized by Department of Computer Applications, MITS Madanapalle, from 22.03.2021 to 26.03.2021.

A Two-day Online Faculty Training Programme on "LabVIEW based Real-Time Measurement for Engineering Applications" was organized by Department of Electrical & Electronics Engineering on 16th & 17th March 2021.

In order to improve self-learning and programming skills of the students and faculty members, they were motivated to take MOOCs courses from Coursera platform which resulted in 17,245 coursera certificates awarded to students and faculty members in the pandemic situation in 2020-21.

During this academic year there are 982 students got placement offers in various companies.

Research

Seven teachers were awarded National / International Fellowship(s) for advanced studies/research during 2020-21.

Dr. S. Baskaran, Associate Professor, Department of Mechanical Engineering received research funding under AICTE - Research Promotion Scheme worth of 18.93 lakhs.

Dr. N. Nidhya, Associate Professor, Department of Computer Science & Engineering received funding under AICTE – MODROBS worth of 5.96 lakhs.

Our faculty members have published papers in reputed International Journals. A Total of 229 papers were published in SCI/SCIE, Scopus, UGC – recommended and web of science journals. There are four patents filled among which two patents got published. Totally six books and chapters in edited

volumes / books were published per teacher during the year and totally our institute got 745 number of Citations in Scopus and 19 h-index of Scopus during the year.

Five workshops/seminars were conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year and totally 228 participants are attended the programs. Fourteen teachers were recognized as research guides during the year.

Consultancy

Our faculty members generated 16.18 lakhs revenue from consultancy and corporate training during the year

Extension Activities

Mr. Pujari Rajesh is the Program Officer for MITS NSS.

The Following programs were conducted through MITS NSS during 2020-21.

1. MITS - NSS organized Dr. B. R. Ambedkar Jayanthi on 14th April 2021.
2. "Blood Donation Camp" was organized by MITS - NSS Cell on 6th February 2021.
3. Gandhi Jayanthi was organized by MITS-NSS on 2nd October 2020.
4. NSS Day Celebrations was organized by MITS-NSS on 25th September 2020.

Lt. Dr. N. Naveen Kumar is the Associate NCC Officer for MITS-NCC. There are 29 students from various departments selected for NCC during Academic year 2020-21.

The Following programs were conducted through MITS NSS during Academic year 2020-21.

1. MITS - NCC has conducted "Plog Run India's freedom struggle - Jallianwala Bagh Remembrance Day" at MITS campus on 13th April 2021.

2. MITS - NCC Subunit has conducted "C- Certificate" cadre camp from 8th to 13th March 2021.

3. MITS - NCC has conducted black day program in view of pulwama attack-2019 on 14th February 2021.

About 65 awards and recognition were received by the Institution, its teachers and students for extension activities from Government / Government-recognized bodies during this academic year. Seven extension and outreach programmes were conducted by the institution through NSS/NCC/Red Cross/YRC, etc. Totally 700 number of students participated in the above mentioned extension activities during the academic year.

Department of Electrical and Electronics Engineering (EEE)

ACADEMIC YEAR 2020-21

S.No	Title of the Webinar / Seminar / Guest Lecture	Date & Duration of the Program	Number of Participants / Beneficiaries
1	A Brief Overview of Thermal Power Plant	08-06-2021	146
2	Electric Vehicle - Design Overview	11-06-2021	96
3	IT Skill: The Pathway for a Successful Career in IT-Sector for Engineering Graduated	14-06-2021	194
4	Application of Artificial Intelligence (AI) in Induction Motor (IM) Drive	17-07-2021	148
5	IT TRENDS - 2020	28-12-2020	140
6	Organizational Behavior & Ethics	05-06-2021	79

S.No	Title of the FDP / STTP / Other Training Programs	Date & Duration of the Program	Number of Participants / Beneficiaries
1	LabVIEW based Real Time Measurement for Engineering Applications	25-06-2021	38
2	Electrical Power System Design	30-12-2020	30
3	Alumni - Student Interaction	08-01-2021	30

Department of Electronics and Communication Engineering (ECE)

ACADEMIC YEAR 2020-21

S.No	Title of the Webinar / Seminar / Guest Lecture	Date & Duration of the Program	Number of Participants / Beneficiaries
	Webinar		
1	Industry 4.0 and its impacts	13/06/2021	40
2	Electronic and Transport Properties of Two-dimensional Transition Metal Carbides and Carbonitrides (MXenes)	24/03/2021	80
3	Career goals and what industry expectations freshers	14/08/2020	67

4	Artificial Intelligence - An Introduction	14/08/2020	65
5	BIO INSPIRED Machines and Products Innovations: What can an ECE Professional Learn to Emulate from Nature	12/08/2020	---
6	IOT Applications in Industrial Automation	12/08/2020	----
Seminar			
7	Recent Advances in Nonvolatile Memory for High-end Applications	13/03/2021	**146**
Guest Lecture			
8	Metasurfaces for Transforming Microwave Antenna Performance	16/05/2021	76
9	Fundamentals of Engineering Python	02/05/2021	206
10	Signals in Frequency Domain: Representation, Analysis and Applications	05/01/2021	**105**
11	Future technologies for Engineers	13/08/2020	215
12	Current Trends and Career Opportunities in IT	13/08/2020	118
Workshop			
13	Dynamic System Modelling and Signal Processing with MATLAB/ Simulink	20/04/2021 – 22/04/2021	**60**

International Seminar (Webinar) on
Electronic and Transport Properties of
Two-dimensional Transition Metal Carbides and Carbonitrides (MXenes)

International Seminar on
Recent Advances in Nonvolatile Memory for High-end Applications

One day Guest Lecture on Fundamentals of Engineering Python

Three-days online workshop on "Dynamic System Modelling and Signal Processing with MATLAB/ Simulink"
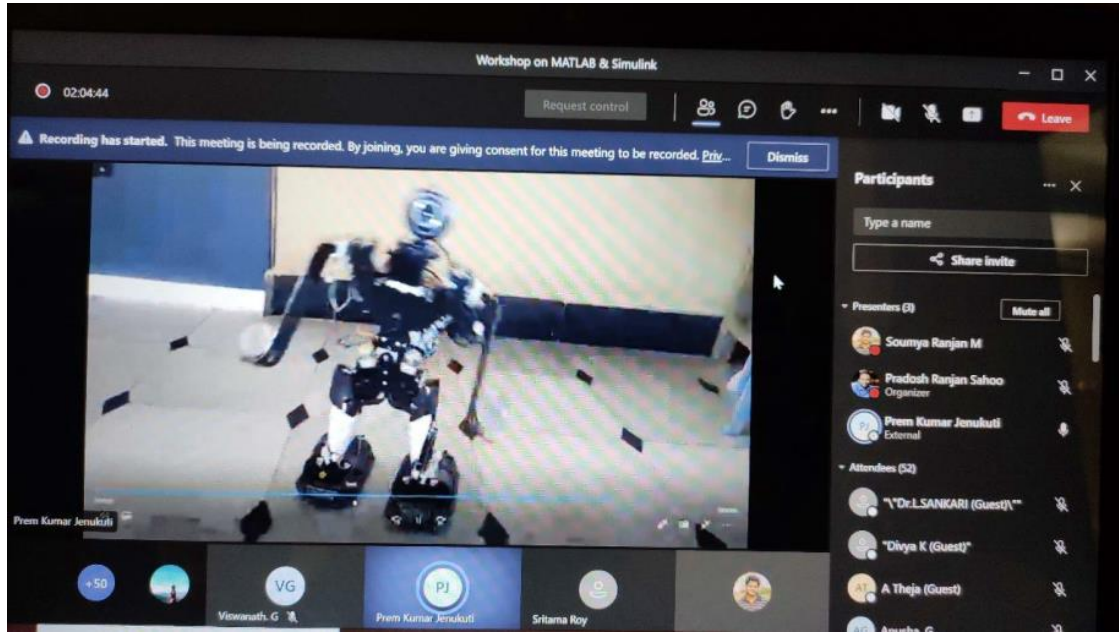
Department of Mechanical Engineering (ME)

ACADEMIC YEAR 2020-21

S.No	Title of the FDP / STTP / Other Training Programs	Date & Duration of the Program	Number of Participants / Beneficiaries
1	A FDP On "Future Trends In Nano Mechanics With Feast, Robotics And Automation and IOT	12/10/2020 to 30/10/2020	165

S.No	Title of the Webinar / Seminar / Guest Lecture	Date & Duration of the Program	Number of Participants / Beneficiaries
1	Smart manufacturing through machine vision and AI	17/06/21	110

Department of Civil Engineering (CE)

ACADEMIC YEAR 2020-21

S.No	Title of the Webinar / Seminar / Guest Lecture	Date & Duration of the Program	Number of Participants / Beneficiaries
1	Planning as a Carrier Option for Civil Engineers	12-08-2020	63
2	Future Carrier Prospects in Civil Engineering Allied Fields After B.Tech.	14-08-2020	55
3	One day National level webinar on "advanced wastewater treatment: in the context of COVID-19"	28.8.2020	67
4	Career Guidance and Personality Development	13-08-2020	71
5	World Water Day	22.03.2021	49

Department of Computer Science & Engineering
ACADEMIC YEAR 2020-21

S.No	Title of the Webinar / Seminar / Guest Lecture	Date & Duration of the Program	Number of Participants / Beneficiaries
1	Blockchain Technology and its Application	02-07-2021	210
2	Cloud Computing-An Emerging Technology	29-06-2021	214
3	Machine Learning for Health Care with Hands-On	18-06-2021	160
4	Trends of AI	09-06-2021	489

5	Carrier Guidance & Competence Building for Young Aspirants	05-06-2021	127
6	5G Network and its Real Time Applications in India	19-12-2020	299
7	Higher Studies	30-11-2020	20
8	Security in IoT	29-9-2020	65
9	Career Guidance	26-9-2020	46

S.No	Title of the FDP / STTP / Other Training Programs	Date & Duration of the Program	Number of Participants / Beneficiaries
1	IoT with Cooja Simulator	01-01-2021	110

Department of Computer Science & Technology
ACADEMIC YEAR 2020-21

S.No	Title of the Webinar / Seminar / Guest Lecture	Date & Duration of the Program	Number of Participants / Beneficiaries
1	AI Scale in Games, Self-Driving and Robotics	21-08-2020 to 21-08-2020	60
2	orientation Program on Machine Learning	12-08-2020 to 12-08-2020	52
3	orientation Program on IoT Sensors	13-08-2020 to 13-08-2020	55
4	Orientation Program on Relevance in the industry and Career opportunities	13-08-2020 to 13-08-2020	51
5	Orientation Program on Data Analytics	14-08-2020 to 14-08-2020	53
6	Orientation Program on Successful CS Graduate	14-08-2020 to 14-08-2020	58
7	Optimization Problems and Algorithms	26-03-2021 to 26-03-2021	139
8	ACM sponsored International Colloquium - Distinguished Speaker Programme on "Mobile Persuasion for Health and Safety Promotion	09-06-2021 to 09-06-2021	190
9	Collaboration with Society for Human Resource Development (SHRD), Webinar on "Changing Talent Landscape in the IT Industry", by Mr. Shashi Dhar Reddy	17-07-2021 to 17-07-2021	189
10	A National Webinar on Cloud Computing and Security, by Dr. P. Syam Kumar	20-07-2021 to 20-07-2021	120

S.No	Title of the FDP / STTP / Other Training Programs	Duration of the Program (Dates)	Number of Participants / Beneficiaries
1	Science Academy Sponsored Virtual Lecture Workshop on Modern Computational Techniques	10-12-2020 to 11-12-2020	188
2	AICTE-ISTE sponsored Induction/ Refresher Program on Deep Learning and Cyber Security (Phase I)	22-02-2021 to 27-02-2021	188
3	AICTE-ISTE sponsored Induction/ Refresher Program on Deep Learning and Cyber Security (Phase II)	05-04-2021 to 10-04-2021	110
4	AICTE-ISTE sponsored Induction/ Refresher Program on Deep Learning and Cyber Security (Phase III)	17.05.2021 to 22.05.2021	60

Department of Physics
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S.No	Title of the Webinar / Seminar / Guest Lecture	Duration of the Program (Dates)	Number of Participants / Beneficiaries
1	One-day Refresher program on "Future of STI: Impacts on Education Skills and work" organized by Department of Physics	28th February 2021	13
2	Guest Lecture on "Visualizing Quantum Mechanics" organized by Department of Physics	17th April 2021	360

S.No	Title of the FDP / STTP / Other Training Programs	Duration of the Program (Dates)	Number of Participants / Beneficiaries
1	One-Week online Faculty Development Program (FDP) on "Frontiers in Material Science Research" organized by Department of Physics	24-08-2020 to 28-08-2020	235
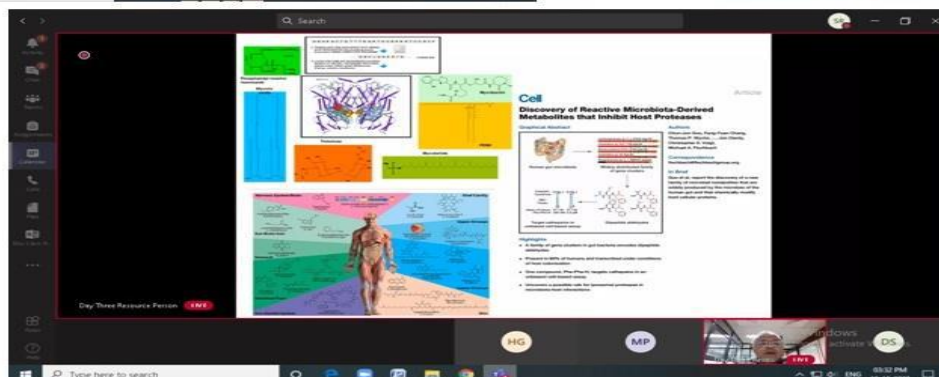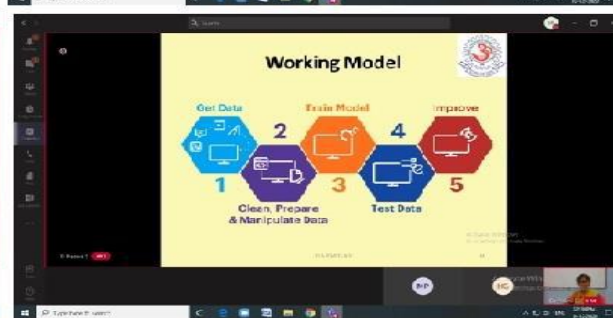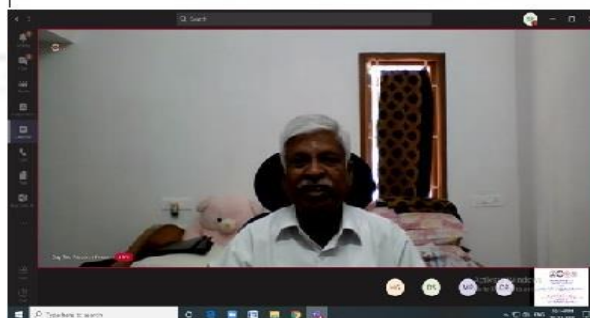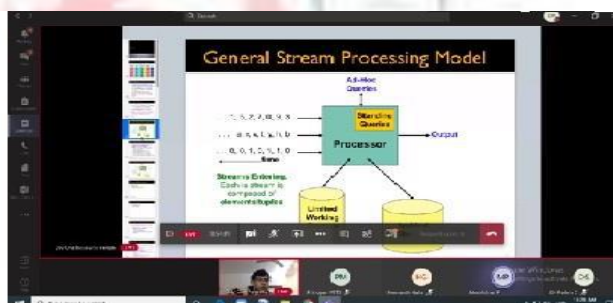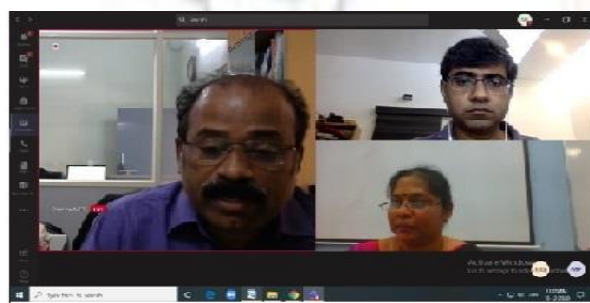
PHOTO: One-day Refresher program on "*Future of STI: Impacts on Education Skills and work*" organized by Department of

దేశఖ్యాతిని నలుదిశలా చాటిన రామన్

మిట్స్ కళాశాలలో రామన్‌కు నివాళి

కురబలకోట , ఫిబ్రవరి 28: శాస్త్ర, సాంకేతిక రంగాల్లో పట్టు సాధించి మన దేశఖ్యాతిని నలుదిశలా చాటిన ఘనత నోబెల్ అవార్డు గ్రహీత సీవీ రామన్ దేనని వైస్ ప్రిన్సిపాల్ అకడ మిక్స్ రామనాథన్ పేర్కొన్నారు. మిట్స్ ఇంజనీరింగ్ కళాశాలలో ఆదివారం జాతీయ సైన్స్ దినోత్సవాన్ని పురస్కరిం చుకుని చిత్రపటానికి పూలమాల వేసి నివాళులర్పించి ఘనంగా జరుపుకున్నారు. నేటి యువత ఆయనను ఆదర్శంగా తీసుకుని నూతన పరిశోధనలు చేపట్టి, భావిభారత శాస్త్రవేత్తలుగా ఎదగాలన్నారు. ఈ కార్యక్రమంలో విభాగాధిపతి వీరేంద్రకుమార్ వర్మ తదితరులు పాల్గొన్నారు.

ఆంధ్రజ్యోతి Mon, 01 March 2021
https://epaper.andhrajyothy.com/c/58918

Physics

ఘనంగా జాతీయ సైన్స్ దినోత్సవం

విశాలాంధ్ర – మదనపల్లె : మదనపల్లి ఇన్‌స్టిట్యూట్ ఆఫ్ టెక్నాలజీ సైన్స్, మదనపల్లిలో జాతీయ సైన్స్ దినోత్సవం ను ఘనంగా జరుపుకున్నారు. ఈ కార్యక్రమంలో కళాశాల వైస్ ప్రిన్సిపాల్ అకాడమిక్స్ డాక్టర్. రామనాథన్ ముందుగా సర్ సి.వి.రామన్ చిత్రపటానికి పూలమాల వేసి నివాళ్లు అర్పించారు. ఆయన మాట్లాడుతూ ఈ దినోత్సవాన్ని విద్య, నైపుణ్యాలు వర్క్ అంశాన్ని ఈ సంవత్సరానికి ముఖ్య అంశంగా తీసుకున్నారన్నారు. విద్యార్థులు విజ్ఞాన శాస్త్రం లో రాణించాలని, అన్ని రంగాలలో తమ వంతు పాత్ర వహించాలన్నారు. సర్ సి.వి.రామన్ గొప్పతనాన్ని ఆయన చేసిన ప్రయోగాలు, నూతన ఆవిష్కరణల గురించి విద్యార్థులకు వివరించారు. భౌతిక శాస్త్ర విభాగాధిపతి డాక్టర్ వీరేంద్ర కుమార్ వర్మ మాట్లాడుతూ భారతీయ శాస్త్రవేత్త చంద్రశేఖర్ వెంకటరామన్ (సర్.సి.వి. రామన్) చేసిన రామన్ ఎఫెక్ట్ పరిశోధన ఎంతో గొప్పదని, ఇందుకు రామన్‌కు నోబెల్ బహుమతి వచ్చింది అన్నారు. విజ్ఞాన ఆవిష్కరణల్లో భారతీయులకు నోబెల్ రావడం చాలా కష్టం అని, ఆఘనత సాధించిన ఏకైక ఆసియా వాసి సర్ సీవీ రామన్ అని అన్నారు. విద్యార్థు లు ఆయన జీవితం ద్వారా ప్రేరణ పొంది నూతన పరిశోధనలు చేయాలనీ అన్నారు. ఆయన మాట్లాడుతూ విద్యార్థులు భౌతిక శాస్త్ర మూలలను నేర్చుకోవడం వలన నూతన, గొప్ప ఆవిష్కరణలకు నాంది పలకవచ్చా అని తెలిపారు. ఈ కార్యక్రమం లో వైస్ ప్రిన్సిపాల్ అకాడమిక్స్ డాక్టర్. రామనాథన్, విభాగాధిపతి డాక్టర్ వీరేంద్ర కుమార్ వర్మ, డాక్టర్ ఎస్.విక్టర్ వేదనాయకం, డాక్టర్. జగదీశ్ బాబు పాల్గొన్నారు.

PHOTO: One-Week online *Faculty Development Program* (**FDP**) on "*Frontiers in Material Science Research*" organized by Department of Physics
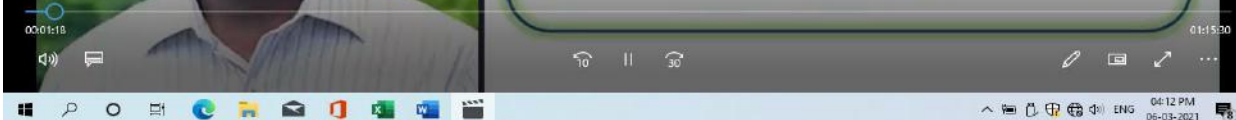
PHOTO: *Guest Lecture* on "*Visualizing Quantum Mechanics*" organized by Department of Physics