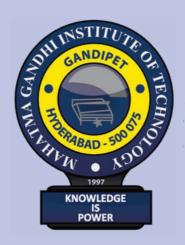


MOTIVATE INNOVATE SEMPOWER YEARS



Department Vision

The Department inspires and motivates the students to acquire knowledge to develop and serve the industry and society with great zeal. It aims to transform the students into disciplined, talented citizens of impeccable character, fused with hands on training to make them good entrepreneurs with an emphasis to develop social, cultural and environmental consciousness and lifelong learning.

Department Mission

The Mission of the Department is to strive towards the development and dissemination of knowledge in the areas of Mechatronics Engineering. It aims at reaching the pinnacle of technical excellence with continuous quality improvement. It is destined to train the students with a capacity to take-up policy formulation and decision making responsibilities.



Program Educational objectives (PEOs)

- To prepare the students for fundamental technical knowledge and skills in Mathematics,
 Science and Engineering to recognize, analyse and solve problems in industry which meet
 the needs of Indian and Multinational companies, in the area of Mechatronics Engineering
- To develop the ability among the students to acquire the knowledge of allied courses with the knowledge of core courses so as to understand the integration of multi-disciplinary nature of technological problems.
- To promote the students awareness of life-long learning, and to introduce them to professional ethics and codes of professional practice.
- To develop the students to become effective collaborators and innovators leading/ participating in efforts to address social, technical and business challenges.

Program Specific Outcomes (PSOs)

- An ability to identity, formulate and solve engineering problems of advanced Mechanical Engineering in the area of Robotics and Automation.
- An ability to apply the concepts of Mechatronics for the development of engineering applications in the area of Pneumatics, Hydraulics and Electronic Control Systems.

MESSAGE FROM THE HOD



Mechatronics, a very unique and emergent discipline, was started with the inception of the Mahatma Gandhi Institute of Technology (MGIT) in the year 1997. MGIT is the only Institute in the State and in the country to have started for the first time this innovative discipline of engineering, which is an integrated technology involving synergetic consideration and fusion of concepts of mechanical engineering, electronics, electrical, computer science and control engineering, the key element being the integration of these areas through the design process.

The Department of Mechanical Engineering (Mechatronics) offers UG and PG courses in Mechatronics and also a UG course in Mechanical engineering. The Department has forty, well qualified faculty members viz. four Professors, three Associate Professors and thirty three Assistant Professors, and is supported by qualified and experienced non-teaching staff. At present, the department has 11 Ph.D holders and 20 faculty members pursuing their Ph.D with reputed Institutions.

The Department has well-established independent laboratories like SCADA-based Instrumentation & Control systems, Computer Aided Motion Control Design, CNC & Robotics, Advanced CAD/CAM Lab with licensed software, Machine tools Lab with CNC-EDM, advanced Thermal Engineering and Heat Transfer Lab with computer-based multi-cylinder petrol engine test rig, Advanced Material testing lab with computer-based tensile and torsion testing machine. The department is also having advanced Measurement equipment like FARO gage portable CMM and 3D printing Lab, the AICTE has sanctioned a MODROBS project to the department for the modernization of the CNC & Robotics lab and also sanctioned a grant in aid for organizing a two-week FDP and one-week STTP programs.

UGC and JNTUH (TEQIP-III) have also sanctioned Research Projects to the Department. The students work with various clubs/ professional chapters like ASME, SAE, Robotics, ISTE, and Innovation Club. They showcase their potential knowledge in the form of product development and organize various workshops /seminars/conferences. Indian National Academy of Engineers (INAE), New Delhi has awarded Mechatronics students for Best Innovative Undergraduate Projects at the National Level in the area of Agricultural Robots during the Academic Years 2016-17 & 2018-19.

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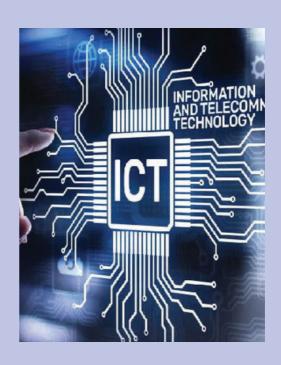
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Guest Lectures

ADVANCES IN MANUFACTURING

Traditional manufacturing is based on the use of dedicated plant and production lines no flexibility. or Advanced manufacturing involves versatile production methods that fully utilize capital plants and are more efficient, effective and responsive. Although there are circumstances where traditional, dedicated methods are still appropriate - such as long, predictable production runs - advanced manufacturing has the capacity to accommodate the varying production requirements and mass customization commonly encountered by industry, without the need for excessive capital investment





Advanced manufacturing encompasses all aspects of the value chain from concept to end-of-life considerations, and relies on information communication technology (ICT) to integrate the manufacturing and business activities into a seamless efficient operation. The technologies involved in advanced manufacturing can be divided into three groupings: production, efficient intelligent production effective and organization.

Efficient production involves design, simulation, physical and computer modeling, advanced production technologies, and control techniques. The emphasis is on simultaneous rather than sequential engineering. Relevant production technologies include rapid prototyping, near net shape manufacture, and precision casting, machining and joining techniques.

Guest Lectures

Intelligent production involves the use of ICT in manufacturing and related logistics systems. As well as production orientated intelligent machines, cells and production lines, the philosophy involves implementing systems for the extended life and optimal use of production facilities through efficient monitoring, maintenance and repair strategies.



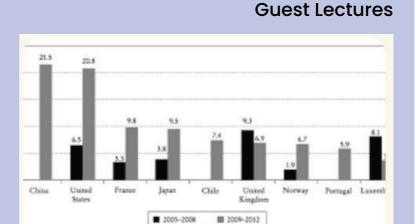


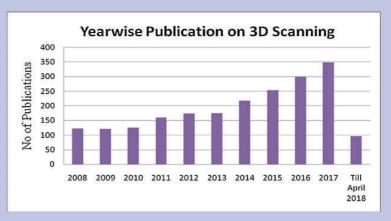
Effective organization involves the efficient co-ordination and exploitation of manufacturing resources. This encompasses both physical resources and knowledge. Relevant topics include virtual tendering and enterprises, shared facilities and resources, novel organizations, incubation units, knowledge management and trading, and electronic commerce. Emphasis in this area is on the use of technology to enhance the involvement and capability of SMEs as well as large organizations.

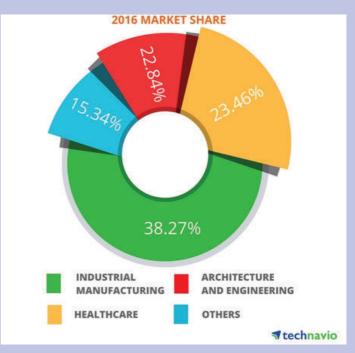
Article by - Dr. VVN Satya Suresh Professor, Department of Mechanical Engineering

3D Scanning & Reverse Engineering

A guest lecture on 3D Scanning & Reverse Engineering was delivered by Mr. G.H.Kotresha . To increase the usability of certain products, improvement in previously designed products is required. Some products in current use were designed with no design data stored such as their physical or digital drawings to refer to advancements in make current products in use. Some products with and complex features internal designs are difficult to observe or measure with no digital data on design becomes difficult for design upgradation. In such cases, 3D scanning and reverse engineering have a crucial benefit for product design improvement new product or development. 3D scanning and reverse engineering is an impressive processes for improvement in product design or product development and play a vital role. With the growing popularity of 3D printing, reverse engineering is gaining ever-increasing attention. This is due to the fact that the reproduction of an object or design using digital modeling and 3D printing is more accessible to ordinary users than other production processes.







Guest Lectures

Networking To Build your Career

A guest lecture on Networking To Build your Careerwas delivered bySmrithy Sasidharan . You may assume that networking is an activity reserved for your time out of the office and off the clock, but nothing could be further from the truth. While there is much value in connecting with people who work at other companies or in different fields, don't discount the importance networking in the workplace. Whether you're new to the company and want to get the lay of the land or you're already established and have your sights set on a promotion, networking with your coworkers can be incredibly beneficial to your career progression. As you develop relationships with colleagues in your department and in other divisions, be on lookout for potential mentors, professional upcoming development opportunities or new job opportunities that are not publicly advertised. Take the time to build meaningful relationships with those in your professional circle, so when the time comes to search for work, you can tap into those valuable connections for referrals, insights into job leads, and other valuable information.

BENEFITS OF NETWORKING



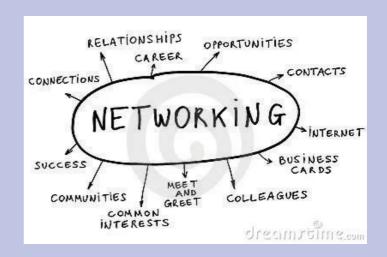












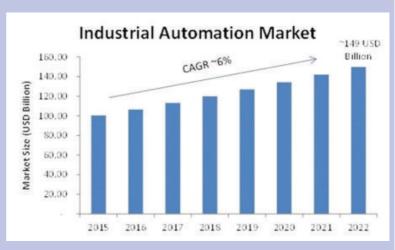
Guest Lectures

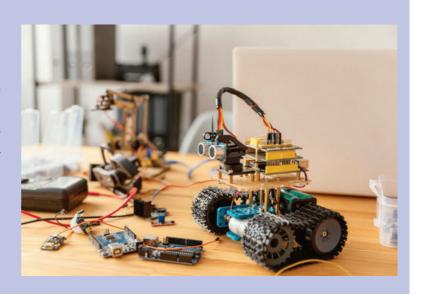
Mechatronics and its Application in Industrial Engineering

A guest lecture on "Mechatronics and its Application in Industrial Engineering" was delivered by Mr Vivek Reddy Kodakandla . Applying mechatronics in advanced manufacturing has improved efficiency and the quality of the products.

- Automation in Advanced Manufacturing: Mechatronics allows you to design a continuous chain process that incorporates modern equipment like barcodes readers as well as image and sound processors that identify and classify products as they move along.
- Measuring of Products: To manufacture products with the right specifications regarding size, weight, and quantity, companies need to apply mechatronic technology. Intelligence sensors and calibration systems are used to make sure of uniformity of products.
- Control Systems: For a manufacturing plant to maintain optimum conditions, parameters like temperature and pressure need to be properly regulated and monitored. Mechatronics ensures that this regulation is remotely automated, improving efficiency and productivity







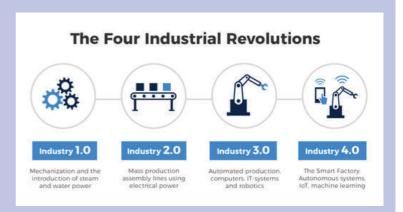
Career Opportunities on Industry 4.0

A guest lecture on "Career Opportunities on Industry 4.0" was delivered Mr.M.Dinesh Kumar. Industry 4.0 had manufacturing industry taken revolution. Almost every improvement project in factory shop floor that uses Information Technology as an enabler is getting named/renamed as Industry 4.0 intiative. Many professionals manufacturing domain and consulting world wants to make their new identity as Industry 4.0 professional as that is the latest IN thing.

- Business Transformation specialist
- industry specialist
- Industry 4.0 Solution Architect
- Industrial IOT Platform specialist
- Industry 4.0 Developers

Above are the few career roles available in the industry. Today, several industries favour industry 4.0 simply because of the several benefits it has made already in the fields of digital marketing and finance, with more advancements to go in the coming years. Those graduates who have just finished their bachelor's degrees and aim to formulate a career in the technological aspects must be aware of the subtleties of these different technicalities.

Guest Lectures



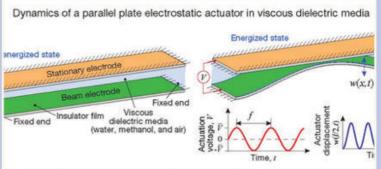




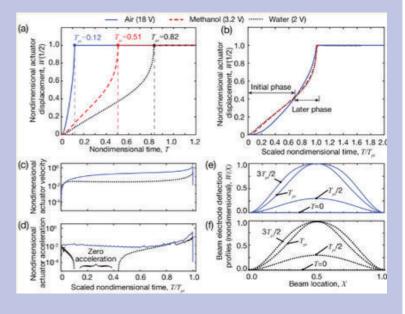
Dynamics of MEMS Electrostatic Actuators in Viscous Media

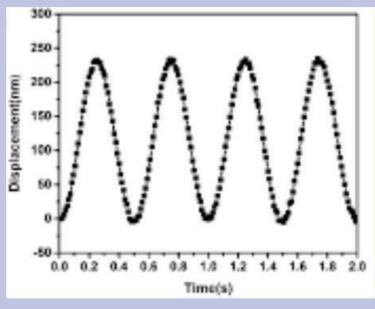
A quest lecture on understanding the dvnamics parallel-plate of electrostatic actuator, that is. complex temporal interactions between mechanical and electrostatic nonlinearities will help optimize the performance for actuator micromanipulation applications. In this paper, we analyze the response of the clamped-clamped actuator in configuration immersed in viscous dielectric media. Our model incorporates the inertial loading effect and squeeze film damping by the media, nonlinear midplane stretching forces in the beam electrode of the actuator, and nonlinear contact force during the physical contact of the beam electrode with the stationary electrode. the actuator at lower actuation voltages and/or higher actuation frequencies can be approximated to be a linear system; and the high relative permittivity of a media amplifies the generated force, resulting in pull-in to occur at lower actuation voltage amplitudes, and the high dynamic viscosity of a media increases the pullin time.

Guest Lectures



nat is the effect of viscosity and relative permittivity of media on the actuator dyr

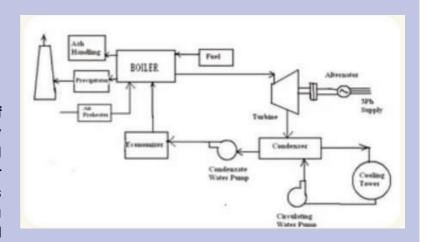


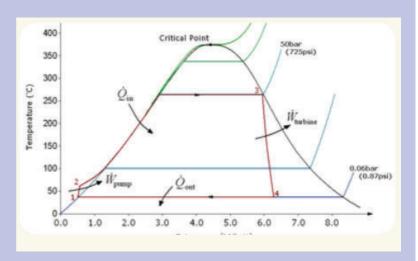


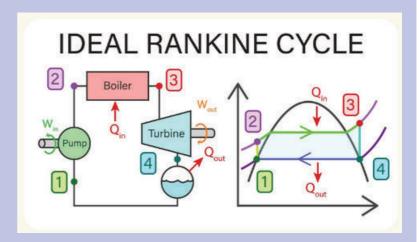
Guest Lectures

An Over view of Thermal Power Plant

A guest lecture on "An Over view of Thermal Power Plant" was delivered by Mr. Sethupathy Rajesh. A thermal power station is a type of power station in which heat energy is converted to electrical energy. In a steam-generating cycle heat is used to boil water in a large pressure vessel produce high-pressure steam, which drives а steam connected to an electrical generator. The low-pressure exhaust from the turbine enters a steam condenser where it is cooled to produce hot condensate which is recycled to the heating process to generate more high pressure steam. This is known as a Rankine cycle. Overview of Thermal Power Plant is very important for its better functioning and maintenance. The satisfactory design consist of selection of sites; estimation of cost; selection of Boiler, Turbine, Electrical Generator, Cooling System. The Transportation of electrical energy more economical to transportation of coal. So, we have to put greater efforts on thermal power plant as it is very economical for us.





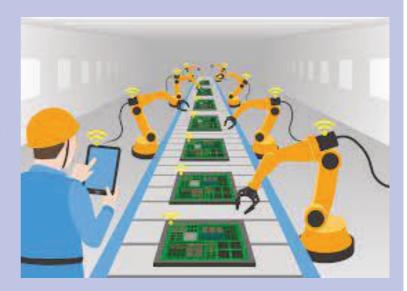


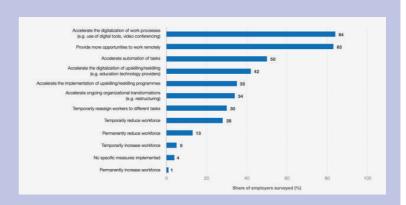
Guest Lectures

Advanced Trends in Automation and Robotics

A guest lecture on "Advanced Trends in Automation and" by Mr. **Aravind** Ramachandran Robotics This review is dedicated to the advanced applications of robotic technologies in the industrial field. Robotic solutions in areas with non-intensive applications presented, and their implementations analyzed. We also provide an overview of survey publications and technical reports, classified by application criteria, and the development of the structure of existing solutions, and identify recent research gaps. The analysis results reveal the background to the existing obstacles and problems. These issues relate to the areas of psychology, human nature, special artificial intelligence implementation, and the robot-oriented object design paradigm. Analysis of robot applications shows that the existing emerging applications robotics face technical and psychological obstacles. The results of this review revealed four directions of required advancement in robotics: development of intelligent companions; improved implementation of Al-based solutions; robot-oriented design objects; and psychological solutions for robot-human collaboration.



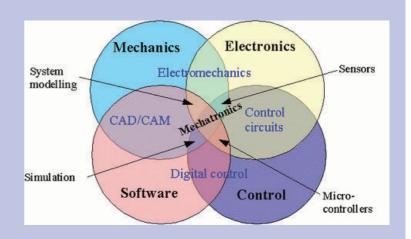




Mechatronics and its Implementation

A guest lecture on "Mechatronics and Implementation" bv Raghavendra Angara. Mechatronics engineer is expected to engineering systems with synergy and integration toward constrains like higher performance, speed, precision, efficiency, lower costs functionality. The key element in success of a **Mechatronics** engineering education-program, and correspondingly, **Mechatronics** engineering, is directly related to well-Mechatronics structured system design course and applied the structural design methodology. Guidelines for structural design methodology tools for the and development process of Mechatronics products, that can be applied in educational process, support engineering educators and help non experienced student or group of students **Mechatronics** in solving design tasks, is highly required. This paper extends writer's previous works and proposes Mechatronics system design education oriented methodology, which aims to integrate multidisciplinary knowledge, various stages through the design and development process of Mechatronics product.

Guest Lectures



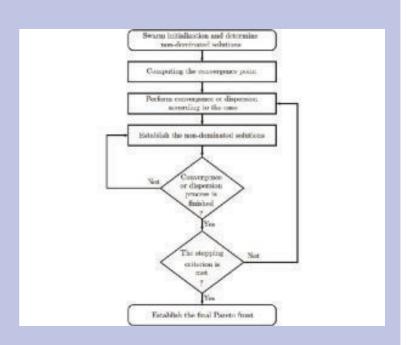


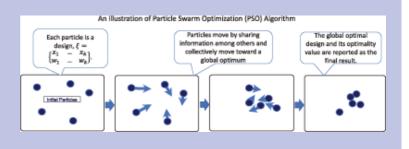


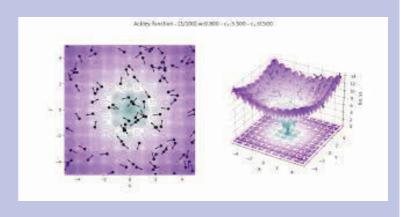
Advanced Optimization using PSO –Single objective variants and a multi-objective Method

A guest lecture on "Advanced Optimization using PSO -Single objective variants and a multiobjective Method" Dr.Lohithaksha M Maiyar Particle Swarm Optimization(PSO) is a wellknown and powerful meta-heuristic algorithm in Swarm Intelligence. Recently, different many variants were proposed to tackle different optimization applications, however, the overall performance of variants these were satisfactory. In this paper, a new PSO variant is advanced to tackle single-objective numerical optimization, and there're three contributions mentioned in the paper: First, a sorted particle swarm with hybrid paradigms is proposed improve the optimization performance; Second, novel adaptation schemes both for the ratio of each paradigm and the constriction coefficients are proposed during the iteration; A large test suite containing benchmarks CEC2013, from CEC2014 and CEC2017 test suites on real-parameter single-objective optimization is employed in the algorithm validation, and the experiment results show the competitiveness of our algorithm the famous or recently proposed state-of-the-art **PSO** variants.

Guest Lectures







Guest Lectures

Need of High Spirituality For Students

A guest lecture on "Need of High Students" Spirituality For Dr.V.V.N.Satya Suresh. Top of mind for high school and college students is choosing a major or acing exams. But if you make room for spirituality as well, your to-do list and life - could become more manageable and focused. When we talk of spiritual development we are not speaking of "religiosity". That is a term referring to institutionalized religion or belonging to established organizations. We religious speaking of the "spiritual dimension of a person's life" or that part of the holistic approach student to development/staff development. We see spiritual growth as the core dimension of a person's development, the key (linchpin) to further growth. Physical, emotional, psychological, social, environmental, intellectual development are inextricably tied to spiritual growth and enhanced by paying attention to this as a key to learning, spirituality has the potential to improve physical, mental, and emotional well-being. Those who are more religious or spiritual are better able to cope with stress







FACULTY DEVELOPMENT PROGRAMS

s.NO	NAME OF THE FACULTY, DESIGNATION	FACULTY AS PARTICIPANTS IN FACULTY DEVELOPMENT/TRAINING ACTIVITIES/STTPS	ORGANIZED BY	DATE	RELEVANT AREA	DURATI ON
		As Coordinator organized A One Week AICTE Sponsored, Online Short Term Training Programme (STTP) SLOT – 2, on Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and their Applications for Future Challenges	MGIT, AICTE, New Delhi	21-26 September 2020	Mechatro nics	6 Days
1	Dr.K.Sudhakar Reddy Professor & Head	As Coordinator organized A One Week AICTE Sponsored, Online Short Term Training Programme (STTP) SLOT – 3, on Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and their Applications for Future Challenges	MGIT, AICTE, New Delhi	02-07 November, 2020	Mechatro nics	6 Days
		As Coordinator organized A One Week AICTE Sponsored, Online Short Term Training Programme (STTP) SLOT – 4, on Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and their Applications for Future Challenges	MGIT,AICTE, New Delhi	07-12 December 2020	Mechatro nics	6 Days
	Dr. P.Venkata Ramana Professor	Nanomaterials and their applications	AICTE - NITTTR, Chandigarh	26 June 2020 - 02 July 2020, One Week	Materials Engineerin g	7 Days
2		Powder Metallurgy Technologies for 3D Printing	AICTE STTP Mepco Schlenk Engineering College	27 July-01 August 2020, One Week	Materials Engineerin g	6 Days
		Refresher Course on Mechnical Engineering	AICTE- NITTTR, Chandigarh	10 -21 August 2020, Two weeks	Refresher Course	12 Days
	Dr. K. Ankamma Professor	STTP on Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges Slot -1	Dept. of Mechanical Engineering(Mechatronic s), MGIT, Hyderabad	24-29 August 2020, One Week	AICTE, New Delhi	6 Days
3		STTP on Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges – Slot-2	Dept. of Mechanical Engineering(Mechatronic s), MGIT, Hyderabad	21/09/2020 to 26/09/2020, One Week	AICTE, New Delhi	6 Days
		STTP on Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges – Slot-3	Dept. of Mechanical Engineering(Mechatronic s), MGIT, Hyderabad	02/11/2020 to 07/11/2020, One Week	AICTE, New Delhi	6 Days

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	Dr. S.Madhava Reddy Professor	Research Methodologies and Statistical Data Analysis-FDP	Dept. of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana state	16-28 November, 2020	Research Methodol ogies	13 Days
4		Reliability Engineering and System Safety-FDP	Dept. of Electronics and Communication Engineering, Vishnu Institute of Technology, Bhimavaram, A.P	- 7-18 December, 2020	Reliability Engineeri ng	12 Days
		Introduction to Industry 4.0 and Industrial Internet of Things- NPTEL/AICTE Faculty Development Programme.	IIT Madras, Chennai.	12 weeks: Sep-Dec 2020	IIOT	90 Days
	Dr. R.Uday Kumar Associate Professor	AICTE Sponsored FDPME ON Application of artificial intelligence and machine learning in Digital manufacturing	GIET University, GUNUPUR, ODISHA	02.11.20 -16.11.20	Digital manufac turing	15 Days
5		AICTE Sponsored FDPME ON Research Methodologies and Statistical Data analysis	СВІТ,Нуd	16.11.20 -28.11.20	Research methodol ogies	13 Days
		AICTE Sponsored FDPME ON Renewable energy intervention in industry, commercial and domestic application	RGMCET, Nandyal, A.P.	14.12.20 -26.12.20	RES	13 Days
6	B.Govinda Reddy, Assistant Professor	AICTE Sponssored Online STTP(STTP-Series!) on world class smart manufacturingpowered by artificial inteligence and machine learing-industry 4.0	Mahendra Engineering College(A),Namakkal T.N	18-01-2021 to 23.01.2021	Manufact uring	6 Days
		Recent Advances in Mechanical Engineering: A Research Perspective	MGIT, Hyderabad	6-10 July, 2020	Mechatro nics Engg	5 Days
7	Dr. V.V.N. Satya Suresh, Associate Professor	A one week online Faculty Development Program on Advanced Optimization Techniques for Research Problem Solving	MGIT, Hyderabad	4-8 August 2020	MGIT	5 Days
		A One Week AICTE Sponsored, Online STTP SLOT -3, on Recent Advances in Micro Electro MechanicalSystems (MEMS), Mechatronics and their Applications for Future Challenges	MGIT, Hyderabad	2nd Nov-7 Nov 2020	AICTE, New Delhi	6 Days

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		FDP Phase-II on "Renewable Energy Intervention in Industry, Commercial and Domestic Application"	RGMCET, Nandyal, Andhra pradesh	14/12/2020 to 26/12/2020	RES	13 Days
8	P.Srinivasa Rao , Assistant Professor	STTP Series-1 on "World Class Smart manufacturing Powered by Artificial Intelligence and Mechanical Learning- Industry 4.0"	MEC, Namakkal, Tamil Nadu	18/1/2021 to 23/1/2021	A.I	6 Days
		STTP on "Additive Manufacturing for Medical and Aerospace Applications"	SVECW, Bhimavaram, Andhra Pradesh	04/1/2021 to 09/1/2021	Additive	6 Days
		Recent Developments of Nano composites and smart materials in the Aerospace Industry	AICTE FDP MLRIT,Hyderabad	07 - 19 September 2020, Two Week	Mechani cal Engineeri ng	13 Days
9	K.V.Kasi Viswanatham Sr.Asst.Profess or	Reliability Engineering and System Safety	AICTE - FDP VIT, Bhimavaram	07 - 18 December 2020, Two week	Reliabilit Y Engineeri ng	13 Days
		Theory of Production Processes	NPTEL - Swayam course	12 weeks duration 20 December 2020	Mechani cal Engineeri ng	90 Days
	K.C.Sabitha Assistant Professor	A one week online Faculty Development Program on Advanced Optimization Techniques for Research Problem Solving	MGIT, Hyderabad	4-8 August 2020	Operatio ns Research	5 Days
10		A One Week AICTE Sponsored, Online STTP SLOT – 1, on Recent Advances in Micro Electro MechanicalSystems (MEMS), Mechatronics and their Applications for Future Challenges	MGIT, Hyderabad	24-29 August 2020	Mechatr onics	6 Days
		1 week FDP on"Research at a Glance:Current Protocols"	Online,TEAM LLAGT&SIT	18-23 January 2021	Research	6 Days
	P V Prasad Reddy Assistant Professor	One-Week Online FDP on "Outcome Based Education and Accreditation"	ISTE Telangana Section in association with JNTUH College of Engineering, Jagtial; Mahatma Gandhi Institute of Technology, Hyderabad and Swecha	One-Week 5 - 9 October 2020	Outcome Based Educatio n	5 Days
11		AICTE Sponsored One Week Online STTP on "Recent Advances in MEMS, Mechatronics and Their Applications for Future Challenges"	Department of Mechanical Engineering (Mechatronics), Mahatma Gandhi Institute of Technology, Hyderabad	lweek 21st -26th September 2020	MEMS	6 Days
		5 day FDP on "Recent Trends and Advances in Robotics and Automation"	Department of Mechanical & Electrical Engineering,CET,Bhuba neswar	5 Day 21st -25th September 2020	Robotics and Automati on	5 Days

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		AICTE Sponsored STTP on Smart Manufacturing - Opportunities and Challenges	Department Of Mechanical Engineering St.Joseph's College of Engineering, OMR, Chennai	One Week 17th to 22nd August 2020	Manufact uring	6 Days
12	M. Pratyusha Assistant Professor	AICTE Sponsored STTP on Recent Advances in Micro Electro Mechanical Systems (MEMS),Mechatronics and their Applications for Future Challenges	Department Of Mechanical Engineering (Mechatronics) Mahatma Gandhi Institute of Technology, Hyderabad	One Week 24th to 29th August 2020.	MEMS	6 Days
		TEQIP-III Sponsored Online FDP on "Product Manufacturing and Analysis:Inculcation of Newer Methodologies"	Department Of Mechanical Engineering Veer Surendra Sai University of Technology, Burla	5-days 9th - 13th September 2020	Manufact uring	5 Days
	Ms.B.Haritha Reddy Assistant Professor	A One Week AICTE Sponsored, Online STTP SLOT -3, on Recent Advances in Micro Electro MechanicalSystems (MEMS), Mechatronics and their Applications for Future Challenges	Department of Mechanical Engineering (Mechatronics) Mahatma Gandhi Institute of Technology, Hyderabad	one week 2nd-7th november 2020	Mechatro nics	6 Days
13		A one week ATAL online FDP on DATA SCIENCES	SAINTGITS college of engineering	one week 18th-22nd january 2021	Data science	5 Days
		A One Week AICTE Sponsored, Online STTP SLOT -1, on Recent Advances in Micro Electro MechanicalSystems (MEMS), Mechatronics and their Applications for Future Challenges	(Mechatronics)	one week 6th-10th july 2020	mechatro nics	5 Days
		Two week AICTE FDP on " Research Methodologies and Statistical Data Analysis"	CBIT, Hyderabad	14/12/2020 to 26/12/2020	Research	13 Days
14	G Sreenivasulu Reddy, Assistant	STTP on "Recent advances in MEMS, MECHATRONICS and their applications for Future Challenges"	MGIT, GANDIPET	24/08/2020 to 29/08/2020	Materials Engineerin g	6 Days
	Professor	FDP On " Advanced Optimization Techniques for Research Problem Solving"	MGIT, Hyderabad	04/08/2020 to 08/08/2020	Optimizati on Technolo gy	5 Days
	Mr. D Kameswara Rao Assistant Professor	Two week AICTE FDP on " Research Methodologies and Statistical Data Analysis"	CBIT, Gandipet , Hyderabad	14/12/2020 to 26/12/2020	Research	13 Days
15		STTP on "Recent Advances in Materials and Manufacturing "	VIZAG	03/08/2020 to 08/08/2020	Materials Engineerin g	6 Days
		STTP on "Industrial Internet of Things "	NITTE	12/08/2020 to 18/08/2020	Mechanic al Engg Innovative s	7 Days

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		Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and their Applications for Future Challenges	Dept. of Mechanical Engineering, MGIT	August 24- 29, 2020	MEMS	6 Days
16	Mr. K Sarupya Santhosh Assistant Professor	Advanced Optimization Techniques for Research Problem Solving	Dept. of Mechanical Engineering, MGIT	August 4-8, 2020	Optimiza tion Techniqu es	5 Days
		Recent Trends in Manufacturing	Dept. of Mechanical Engineering, MGIT	July 28 - August 01, 2020	Manufac turing	5 Days
		AICTE sponsored One week Online STTP on "Modeling and Analysis using MATLAB and Python for Mechanical Engineering Applications"	Department of Mechanical Engineering , VNR Vignana Jyothi Institute Of Engineering And Technology, Hyderabad	3rd to 8th August 2020.	Mechani cal Engineeri ng	6 Days
17	Mr.B RamaKrishna Assistant Professor	AICTE Sponsored National Level Five Days Virtual STTP(STTP) on "INDUSTRIAL INTERNET OF THINGS"	Department of Mechanical Engineering, Nitte Meenakshi Institute of Technology, Bangalore-64, INDIA	12th to 16th of August 2020.	Mechani cal Engineeri ng	5 Days
		ATAL FDP on "Alternate Fuels"	Christian College of Engineering & Technology, Chattisgarh. India	07-09- 2020 to 11.09.2020.	Alternate fuels	5 Days
	K. Prudhvi Raj Assistant Professor	9-Day online STTPJourney of Self-Discovery	FOLK Hyderabad	18th - 26th July, 2020	Self- Discover y	9 Days
18		"Recent Advances in Renewable Energy & Energy Efficiency Technologies"	Department of Mechanical Engineering (Mechatronics)MGIT, Hyd	21st - 25th July 2020	Renewab le Energy	5 Days
		Advanced Research Traits in Materials & Design of Mechanical Systems	Vignan's Foundation for Science Technology & Research,AP.	22nd - 27th July, 2020	Mechani cal Systems	6 Days
		FDP ON "Research Methodologies in Mechanical Engineering (A Refresher Approach)"	NREC, Hyderabad	30,31st July & 1,2,3rd Aug, 2020	Mechani cal Engineeri ng	6 Days
19	Mr. M. Yadi Reddy Assistant Professor	Two week FDP on ICT Tools for Teaching, Learning Process & Institutes	Electronics & ICT Academies, IIT Roorkee	10th to 21st August 2020	Teaching methodo logies	12 Days
	110103301	FDP on Strength of Materials: An effective Teaching Methodology	AISTE – ISTE Refresher Program	26-04-2021 to 01-05- 2021	Mechani cal Engineeri ng	6 Days
		Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for	AICTE sponserd	2-11-2020 to 7-11- 2020	Mechani cal	6 Days
20	Dr. G Rakesh Kumar Asst.Professor	RECENT DEVELOPMENTS IN MECHANICAL ENGINEERING	KITS Warangal	7-07-2020 to 11-07- 2020	Mechani cal	5 Days
		FDP on "Recent Advances in Renewable Energy & Energy Efficiency Technologies"	Department of Mechanical Engineering (Mechatronics) MGIT, Hyderabad	21-25 July, 2020	Renewab le Energy	5 Days

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		AICTE-STTP On "Nanotechnology And Functional Materials"	Dept Of ME, SVCE, Tirupati	27th July To 01st August 2020	NANO Technolo gy	6 Days
21	Mrs. K.Sirisha Asst.Professor	One week FDP on Research Methodologies	Dept of ME, NMREC, Doolapally, HYD	30/07/2020 to 4/08/2020	Research	6 Days
		FDP on Mechatronics, Automation and Robotics" in association with IEEE Bombay Section and AICRA	Dept. of ME,OPJU, Raigarh	3/08/2020 to 7/08/2020	Industry 4.0	5 Days
		AICTE Training And Learning (ATAL) Academy Online FDP on "Sustainability Engineering"	Canara Engineering College, Karnataka	2021-2-22 to 2021-2-26	Mechanic al	5 Days
22	Mrs. Y.V.N. Chandana Assistant Professor	One week FDP on "Vibrational analysis and Measurement".	MNM Jain Engg College, Chennai	1-3 to 6-3- 2021	Mechanic al	6 Days
		Five Days online FDP on "Finite Element Analysis Practice and MATLAB"	Tontadarya college of Engineering, Karnataka	13-7 to 20-7- 2020	Mechanic al	8 Days
	Dr. T Niranjan Assistant Professor	AICTE Sponsored one week Online STTP on "Smart Manufacturing-Opportunities and Challenges"	St. Joseph's College of Engineering, Chennai – 119.	13th to 18th July 2020	Manufact uring	6 Days
23		Two week Online FDP on "Advanced Optimization Techniques and hands-on with MATLAB/SCILAB"	E&ICT Academy MNIT Jaipur, NIT Patna and IIITDM Jabalpur	13th to 24th July 2020 (5:30 pm to 08:30 pm)	Advanced Optimizati on Technique s	13 Days
		One week AICTE AQIS Sponsored STTPon " Advances in Additive Manufacturing"	Siemens Centre of Excellence for Digital Manufacturing and Robotics under NAFETIC at Yeshwantrao Chavan College of Engineering, Nagpur	20th to 25th July 2020	Manufact uring	6 Days
		One-week FDP on Mechatronics – Introduction, Modelling & Simulation, and Research.	Centre for Applied Research, Department of Mechanical Engineering, Chennai Institute of Technology, Kundrathur, Tamil Nadu, India	06.07.2020- 10.07.2020	Research.	5 Days
24	Dr. P. Badari Narayana Associate Professor	one week AICTE sponsored STTP on "Nanotechnology and Functional Materials (NTFM-Phase-II)	Nanotechnology and Functional Materials (NTFM-Phase-II) AICTE STTP	17-08-2020 to 22-08- 2020	Nanotech nology & Materials	6 Days
		Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges" AICTE Sponsored One Week Online STTP(STTP), SLOT - 3	MGIT, Hyderabad	02-11-2020 to 07-11- 2020	Mechatro nics	6 Days

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		One-week FDP on Mechatronics – Introduction, Modelling & Simulation, and Research.	Centre for Applied Research, Department of Mechanical Engineering, Chennai Institute of Technology, Kundrathur, Tamil Nadu, India	06.07.2020- 10.07.2020	Researc h.	5 Days
24	Dr. P. Badari Narayana Associate Professor	one week AICTE sponsored STTP on "Nanotechnology and Functional Materials (NTFM-Phase-II)	Nanotechnology and Functional Materials (NTFM-Phase-II) AICTE STTP	17-08-2020 to 22-08- 2020	Nanotec hnology & Material s	6 Days
		Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges" AICTE Sponsored One Week Online STTP(STTP), SLOT - 3	MGIT, Hyderabad	02-11-2020 to 07-11- 2020	Mechatr onics	6 Days
	Mr. J Pavan Kumar Assistant Professor	AICTE sponsored six days online Short Term Training Programme(STTP)on "smart manufacturing – opportunities&challenges" organized	by St.Joseph's college of engineering	17th Aug 2020 to 22nd Aug 2020	manufa cturing	6 Days
25		Online one week expert lectures on :emerging research opportunities for mechanical engineering	by CMR Engineering college,Hyderabad	10th-14th Aug,2020	Researc h	5 Days
		Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges	MGIT, Hyderabad	21 - 26 September, 2020,	MEMS	6 Days
	Ms. K Udayani Assistant Professor	3 day online workshop "Education 4.0"	IQAC, Atharva College of Engineering, Mumbai	28th - 30th April 2020.	Educatio n 4.0	3 Days
26		"Faculty Awareness Program"	RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune	10th -15th May 2020	NAAC Accredit ation	6 Days
		Crash course on Mastercam 2020	Mastercam	13.05.2020 to 15.05.2020	Masterc am 2020	3 Days
	Ms. C. Sucharitha Assistant Professor		Department of Electrical and Electronics Engineering, SRM Institute of Science and Technology, Chennai	8th to 14th December, 2020.	Technol ogies in Electric Vehicles	7 Days
27		Outcome Based Education and Research Methodologies	Department of Civil Engineering, GRIET	21-12-2020 to 27-12- 2020.	Researc h Methodo logies	7 Days
		Advances in Composite materials,Manufacturing processes and optimization Techniques	Dept of Mech Engineering,AMET,Chen nai.	1.06.21 to 14.06.21	Optimiz ation Techniq ues	14 Days

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		STTP on Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges – Slot-4	Dept. of Mechanical Engineering(Mechatronics), MGIT, Hyderabad.	07/12/202 0 to 12/12/202 0	Mechatronics Engg	6 Days
28	Ms.K.Sri Harika Assistant Professor	A one week online Faculty Development Program on Advancements in manufacturin g and optimization techgniques	JITS, Warangal	22-26 june 2020	Manufacturing	5 Days
		A one week online Faculty Development Program on Role of Machine learning and Data sciences in Al	MGIT, Hyderabad	28 june to 2 july 2020	Manufacturing	6 Days
		Advanced Optimization Techniques for Research problem Solving	Dept of Mechanical Engineering, MGIT, Hyderabad.	4th - 8th August 2020	Optimization Techniques	5 Days
29	Ms. P Meghana Assistant Professor	Innovative Product Design, Precision Engineering and Optimization (IPDPEO - 2020)	Dept of Mechanical Eng, Vasavi College of Engineering, Hyderabad.	10th - 14th Aug 2020	Product Design and Optimization Techniques	5 Days
		AICTE Sponsored One Week Online Short- Term Training Program (STTP), SLOT - 4, on "Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges	Dept of Mechanical Engineering, MGIT, Hyderabad.	07th – 12th Decembe r 2020	Mechatronics	6 Days
	Ms. K KruthiSarma Assistant Professor	Journey on self discovery	Iskcon	18-26th July	Self development	9 Days
30		Recent Advances in MEMS and Mechatronics & their applications for future challenges	MGIT, Gandipet, Hyderabad	21-25 July 2020	Mechatronics	5 Days
		Recent trends in mechatronics and Automation	MGIT, Gandipet, Hyderabad	30th June-4th July	Mechatronics	6 Days
		FDP on " Advanced Optimization Techniques for Research Problem Solving"	MGIT, Hyderabad	04/08/20 20 TO 08/08/20 20	Optimization Techniques	5 Days
31	Mr. U PhaniVivek Assistant Professor	FDP on" Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and their Applications for Future Challenges"	MGIT, GANDIPET	07/12/202 0 to 12/12/202 0	MEMS, Mechatronics	6 Days
		Two week AICTE FDP on " Research Methodologies and Statistical Data Analysis"	CBIT, Hyderabad	14/12/202 0 TO 26/12/202 0	Research	13 Days

S.NO	NAME OF THE FACULTY, DESIGNATION	FACULTY AS PARTICIPANTS IN FACULTY DEVELOPMENT/TRAINING ACTIVITIES/STTPS	ORGANIZED BY	DATE	RELEVAN T AREA	DURATI ON
		an FDP on Innovative product design, precision engineering and optimization.	VCE, Hyderabad	10th to 14th Aug, 2020	Mechani cal design	5 Days
32	G Ashok Assistant Professor	an STTP (phase 1) on Industrial Internet of Things	NITTE, Bangalore	12th to 16th Aug, 2020.	loT	5 Days
		an STTP (phase 1) on Recent Advances in MEMS, Mechatronics and their applications for future challenges.	MGIT, Hyderabad	24th to 29th Aug, 2020	MEMS	6 Days
		FDP on " Advanced Optimization Techniques for Research Problem Solving"	Department of Mechanical Engineering (Mechatronics), MGIT	4-8 August, 2020	Optimiza tion Techmiq ues	5 Days
33	P Anusha Assistant Professor	AICTE Sponsored STTP on "Recent Advances in Micro Electro Mechanical Syatems (MEMS), Mechatronics and Their Applications for Future Challenges"	Department of Mechanical Engineering (Mechatronics), MGIT	24-08-2020 to 29-08- 2020	MEMS	6 Days
		FDP on " Relevance of Mathematica to Core Engineering Sciences"	MGIT, Hyderabad	12 to 16 October,202 0	Mathem atics	5 Days
	K Sudheer Kumar Assistant Professor	FDP on "Recent Advances in Renewable Energy & Energy Efficiency Technologies"	MGIT, Hyderabad	21/07/2020 TO 25/07/2020	RES	5 Days
34		FDP on" Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and their Applications for Future Challenges"	MGIT, Hyderabad	07/12/2020 to 12/12/2020		6 Days
		Two week AICTE FDP on " Research Methodologies and Statistical Data Analysis"	CBIT, Gandipet , Hyderabad	14/12/2020 TO 26/12/2020	Researc h	13 Days
		Recent Advances in Material Characterization	NITTTR, Chandigarh	23rd may -28th may 2020	Materials	6 Days
35	B V Himasekhar Sai Assistant Professor	Emerging Technologies in Mechanical Engineering	Vemu Institute of technology, Chittoor	26th may -30th may 2020	Mechani cal	5 Days
		Advances in Mechanical Engineering	RISE Krishna sai group of institutions	1st June -3rd June 2020	Mechani cal	3 Days
		Quantum Computing	Inderprastha Engineering College	09-11-2020 to 13-11- 2020	Computi ng	5 Days
36	Dr. Asheesh Kumar Assistant Professor	Research Aspects of Powder Metallurgy Based Direct Digital Manufacturing	Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu	30 Novemver – 5 December 2020	Manufca turing	6 Days
		Renewable Energy Intervention in Industry, Commercial and Domestic Application	Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal - 518 501,Andhra Pradesh	14-26 December 2020	Renewa ble Energy	13 Days

s.no	NAME OF THE FACULTY, DESIGNATION	FACULTY AS PARTICIPANTS IN FACULTY DEVELOPMENT/TRAINING ACTIVITIES/STTPS	ORGANIZED BY	DATE	RELEVANT AREA	DURATI ON
		Advanced Optimization Techniques for Research Problem Solving	MGIT, Hyderabad	04th to 8th Aug 2020	Optimizatio n techiniques	5 Days
37	E Sai Krishna, Assistant Professor	Optimization Techniques for Mechanical Engineers	VITS	27th July to 01st Aug 2020	Optimizatio n techiniques	6 Days
		Research Trends in Mechanical Engineering	Gudlavalleru Engg. College	15th to 20th June 2020	Mechanical Engineering	6 Days
	Mr. V Vijaya	STTP on "Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges"	MGIT, Hyderabad	02-07th Nov. 2020	MEMS	6 Days
38	Bhaskar Assistant Professor	FDP on "Energy Engineering"	AICTE-ATAL	14-18th Dec.2020	Energy	5 Days
		FDP on "CFD"	AICTE-ATAL	04-08th Jan.2021	CFD	5 Days
		(STTP) on "Recent Advances In Micro Electro Mechanical Systems (Mems), Mechatronics And Their Applications For Future Challenges"	MGIT, Hyderabad	02 - 07 November 2020	MEMS	6 Days
39	Mr. V Pramod Assistant Professor	(STTP) on Recent Advances In Micro Electro Mechanical Systems (Mems), Mechatronics And Their Applications For Future Challenges	MGIT, Hyderabad	07 - 12 December 2020	MEMS	6 Days
		"Advances in Composite Materials, Manufacturing Processes and Optimization Techniques"	Academy of Maritime Education and Training	June 1st – 14th, 2021	composites	14 Days
		AICTE Sponsered Online Short Term Training Programme (STTP) (One Week FDP) on Finite Element Method for Engineering Applications	Sri Sairam Engineering College, Chennai	07 - 12 Sep 2020	Finite Element Methods	6 Days
40	Mr. S Ajay Kumar Assistant Professor	AICTE Sponsered Online Short Term Training Programme (STTP) (One Week FDP) on Application of Intelligent Optimization Techniques for Engineering Research - Phase 3	Bannari Amman Institute of Technology	10 - 16 Sep 2020	Optimization Techniques	7 Days
		AICTE Sponsered Online Short Term Training Programme (STTP) (One Week FDP) on Failure and Damage Mechanics of High Performance Engineering Materials(Phase-III)"	Anil Neerukonda Institute of Technology and Sciences (A), Visakhapatnam, Andhra Pradesh	14 - 19 Sep 2020	Engineering Materials	6 Days

S.NO	NAME OF THE FACULTY, DESIGNATION	FACULTY AS PARTICIPANTS IN FACULTY DEVELOPMENT/TRAINING ACTIVITIES/STTPS	ORGANIZED BY	DATE	RELEVANT AREA	DURATI ON
		AICTE Sponsored One Week online Short Term Training Programme (STTTP on Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges	MGIT, Hyderabad	02 - 07 Nov 2020	MEMS	6 Days
41	Mr. P Shashidar Assistant Professor	AICTE Sponsored Two Week online Short Term Training Programme (STTTP) on Research Methodologies and Statistical Data Analysis	Online, Chaitanya Bharathi Institute of Technology, Hyderabad	16 -28 Nov 2020	Research Methodology	13 Days
		AICTE Sponsored One Week online Short Term Training Programme (STTTP on Design, Simulation, Development and Characterization of Composites with Advanced Techniques Phase- II	Online, GIET University, Gunupur	30 Nov - 5 Dec 2020	Composites	6 Days
		AICTE Sponsered Online Short Term Training Programme (STTP) (One Week FDP) on "Smart Manufacturing Opportunities and Challenges	Online, St Joseph College of Engineering, OMR, Chennai	17 - 22 August 2020	Smart Manufacturing	6 Days
42	Mr. K Santosh 42 Kumar Assistant Professor	A One Week AICTE Sponsored, Online STTP SLOT – 1, on Recent Advances in Micro Electro MechanicalSystems (MEMS), Mechatronics and their Applications for Future Challenges	MGIT, Hyderabad	24 - 29 August 2020	AICTE, New Delhi	6 Days
		AICTE Sponsered Online Short Term Training Programme (STTP) (One Week FDP) on Cyber-Physical Manufacturing Systems for Future Industries	Online, IFET College of Engineering (An Autonomous Institution), Villupuram, Tamilnadu	24 - 29 August 2020	Cyber - Physical Manufacturing	6 Days

STUDENT PUBLICATIONS

- Design of a Hexa-Directional FSO Communication for UAVs, published in the 2020 IEEE 17th India Council International Conference (INDICON), IEEE India Council New Delhi (INDICON) 2020, IEEE, by Gajula Raj Kumar (17261A1422), K.V. Jeevesh Reddy (17261A1428) and Robin Koshy Mathews (17261A1446).
- Design of a coil gun with tracking system, published in the Volume 17, Issue 12,
 December 2021 Journal of Shangai Jiaotong University, by A. Sushma(17261A1402),
 B. Shiva Teja(17261A1410), K Madhu Mohan Chary (18265A1405), M Anush (17261A1439).
- Design and Fabrication of water rehydrator, published in the International Research
 Journal of Engineering and Technology Volume: 08 Issue: 04, Pp.3456-3459, IF.7.529,
 ISSN: 2395-0056, ISO-9001:2008 01-04-2021 by T.Yugandhar (17261A1453), Sai Suraj
 Karra (17261A1447), Pranahith Babu Yarra (17261A1442), Bhargav Sai Ram K
 (17261A1432)
- Design of light weight two wheeler using solar and electrical power equipped with GSM andGPS, published in the International Research Journal of Engineering and Technology Vol.07, Issue 06,Pp. 3264–3266, ISSN:2395–0056 June 2020, by Rayudu Sai Divya (16261A1440), S Nitin Reddy (16261A1444), P Rishitha (16261A1437).
- Smart collision avoidance and detection system, published in the IOP Conference series: Materials Science and Engineering, (An open access International Journal, Volume 1057 (2021)012085 [February 2021], pp.1-6, by Bharadwaj Ankush Singh (16261A1409), Pendli Harika (16261A1417).
- Automatic Phyto-Remediating plant care unit using RO purifier rejected water, Elsevier Materials Today: Proceedings, Elsevier Journal Publications, Vol 45, January 2021, pp.3264-3267, by Nalband Sai Kiran Chary (16261A1432), Ajay Thati (16261A1402), Pandimukkala Kalyan (16261A1435).

EXTRA CURRICULAR ACTIVITIES

S.N o	Roll.No.	Name of the Student	Event	Organized by With Address	Date/Month/Year	Participation /Award
1	17261A1428	Jeevesh Reddy	IGEN 2020	Student activitees Committee, IEEE HYDERABAD	18th to 20th Sep 2020	Participated
2	17261A1428	Jeevesh Reddy	Short Course on "Learn to design you own solar home System"	Energy Swaraj Foundation in collaboration with MGIT, Hyderabad	2-Aug-20	Participated
3	17261A1428	Jeevesh Reddy	IEEE Virtual Authorship workshop	IEEE Xplore	Aug-20	Participated
4	17261A1431	Mr. K.Ritvik Reddy	YOGA- A science of Breath and Meditation for subtle Energy Channneling	IMPACT Foundation in collaboration with MGIT, Hyderabad	6th July 2020 to 10th July 2020	Participated
5	17261A1431	Mr. K.Ritvik Reddy	Short Course on "Learn to design you own solar home System"	Energy Swaraj Foundation in collaboration with MGIT, Hyderabad	15-Sep-20	Participated
6	19261A1420	Katha Amaranath Reddy	Street Cause CBIT	CBIT, Hyderabad	Jul-20	Participated
7	19261A1420	Katha Amaranath Reddy	Cameras, Exposure, and Photography	Michigan State University and offered through Coursera	08/31/2020	Participated
8	19261A1442	Nehal shali	Camera exposure & photography, coursera,	7 weeks ,online coursera	2/10/2020	Participated
9	19261A1442	Nehal shali	Webinar on"How Teslais Using Computer Vision"	1day Online	24thJan 2021	Participated

S.N o	Roll.No.	Name of the Student	Event	Organized by With Address	Date/Month/Year	Participation /Award
10	19261A1442	Nehal shali	Short Course on "Learn to design you own solar home System"	Energy Swaraj Foundation in collaboration with MGIT, Hyderabad	15days,online, 5 aug 2020	Participated
11	19261A1406	Dansetty ramadevi	Short Course on "Learn to design you own solar home System"	Energy Swaraj Foundation in collaboration with MGIT, Hyderabad	15days,online, 10th aug 2021	Participated
12	19261A1406	Dansetty ramadevi	Short Term Live Online Training on Deep Learning Using Python	Apptronix Technologies in collaboration with MGIT - Hyderabad	3rd to 7th Aug 2020	Participated
13	19261A1406	Dansetty ramadevi	Complete Python Lessons	Progate	10-12th July 2020	Participated
14	19261A1406	Dansetty ramadevi	Tech warriors , IT Challenge of E.P.I.C Season 3, Dare to Compete	TVS Credit	Aug-20	Participated
15	19261A144 4	S. Hemanth Kumar	Short Course on "Learn to design you own solar home System"	Energy Swaraj Foundation in collaboration with MGIT, Hyderabad	15days,online, 10th aug 2022	Participated
16	19261A1420	K. Amaranath Reddy	Hands on Free workshop on Python	MGIT, Hyderabad in coordination with Brainovision	July 25th 2020	Participated
17	19261A1420	K. Amaranath Reddy	Short Course on "Learn to design you own solar home System"	Energy Swaraj Foundation in collaboration with MGIT, Hyderabad	15days,online, 10th aug 2021	Participated

S.N o	Roll.No.	Name of the Student	Event	Organized by With Address	Date/Month/Yea r	Participation /Award
18	19261A1420	K. Amaranath Reddy	Cameras, Exposure, and Photography	Coursera, MGIT	31st Aug 2020	Participated
19	19261A1420	K. Amaranath Reddy	Programming for Everybody	Coursera, MGIT	08th Sep 2020	Participated
20	19261A1405	C.Pavan Kumar	ESDP on VFX editor	NI-MSME	2.12.2020 to 22.01.2021	Participated
21	19261A1453	Y Purna Satyanarayana	WEBINAR on"HOW TESLA IS USING COMPUTER VISION"	Edugrad	24thJan 2021	Participated
22	19261A1442	Shali nehal	2020-21	python beginning, webinar		Participated
23	19261A1442	Nehal shali	2020-21	Programming for everybody, course,	7weeks,online, may 2 2021	Participated
24	19261A1442	Nehal shali	2020-21	webinar on Learn to Design your own Solar Home System	15days,online, 5 aug 2020	Participated
25	19261A1409	G. Abhinay	2020-21	football		Participated
26	19261A1437	P Ritesh Reddy	2020-21	Gate webinar by TIME		Participated
27	19261A1406	Dansetty Ramadevi	Tech warriors , IT Challenge of E.P.I.C Season 3, Dare to Compete	TVS Credit	2021	Participated
28	19261A1420	K Amarnath Reddy	Cameras, Exposure, and Photography	Coursera	31/08/2020	Participated

CO-CURRICULAR ACTIVITIES

S.N o.	Name	Roll No.	Event	Organaized by	Date	Participation/ Award
1	K Nariruddin	17261A1427	Understanding Windmill Gearbox	Francis Vavier Engineering College, Tirunelveli	19-07-2020	Participated
2	P Mahesh Bharath	17261A1443	Kinetic Energy Recovery	Skyriders Institutions, odisa	28-11-2020	Participated
3	P Mahesh Bharath	17261A1443	Diesel Particulate Filter in BS-VI Technology	Skyriders Institutions, odisa	13-10-2020	Participated
4	P Mahesh Bharath	17261A1443	Regenerative Braking System	Skyriders Institutions, odisa	15-10-2020	Participated
5	P Mahesh Bharath	17261A1443	Electric vehicle and battery Technology	Skyriders Institutions, odisa	29-07-2020	Participated
6	P Mahesh Bharath	17261A1443	Futuristic Automotive systems	Skyriders Institutions, odisa	5/8/2020	Participated
7	S Pandu	17265A1411	Web page creation for IoT Devices	Skyriders Institutions, odisa	15-10-2020	Participated
8	S Pandu	17265A1411	Cae designing Process- Sketch to Protype	Skyriders Institutions, odisa	17-10-2020	Participated
9	Kumuda Gandi	19261A1412	Robotics-Connecting Engineering Minds	IIT Delhi	Jul-05	Participated
10	K.Yeshwanth Rao	18261A1423	One Day virtual workshop on ABS , EBD & ESP -Safety Features in Vehicles	Skyriders Institutions, odisa	11th Aug 2020	Participated
11	K.Yeshwanth Rao	18261A1423	One Day virtual workshop on Ride by Wire Technology in bikes	Skyriders Institutions, odisa	7th Sep 2020	Participated
12	K.Yeshwanth Rao	18261A1423	One Day virtual workshop on Automotive Safety Systems	Skyriders Institutions, odisa	2nd Sep 2020	Participated

S.No.	Name	Roll No.	Event	Organaized by	Date	Participation/ Award
13	K.Yeshwanth Rao	18261A1423	One Day virtual workshop on continuous Variable Transmission	Skyriders Institutions, odisa	12th Sep 2020	Participated
14	K.Yeshwanth Rao	18261A1423	One Day virtual workshop on Fundamentals of Industrial Automation (I 4.0)	Skyriders Institutions, odisa	16th June 2021	Participated
15	Viswateja Dusa	18261A1451	Workshop on ARDUINO & ITS APPLICATIONS	Pantech E Learning, St.Pious X degree & PG College, Dept of Phy & Ele.,Chennai	21st May 2021	Participated
16	Viswateja Dusa	18261A1451	National level workshop on "Artificial Intelligence"	Pantech E Learning, Dept of IT, KC College of Engg and Management Studies, Thane	30th April to 1st May 2021	Participated
17	Viswateja Dusa	18261A1451	2 Day workshop on Python programming	Pantech E Learning, Dept of IT, KC College of Engg and Management Studies, Thane	05.05.2021 to 06.05.2021	Participated
18	Viswateja Dusa	18261A1451	Workshop on Robotics	Pantech E Learning, Dept of CA, Sri G.V.G.Vasalakshi College for Women, Chennai	20th May 2021	Participated
19	K.Rohit Raj	19261A1423	Mechatronics Workshop	MECHANICA-21, IIT MADRAS	9th 11th April 2021	Participated
20	K.Rohit Raj	19261A1423	Mech Trivia	MECHANICA-21, IIT MADRAS	9th 11th April 2021	Participated
21	K.Rohit Raj	19261A1423	Mech Basics	MECHANICA-21, IIT MADRAS	9th 11th April 2021	Participated
22	K.Rohit Raj	19261A1423	MATLAB Workshop	MECHANICA-21, IIT MADRAS	9th 11th April 2021	Participated
23	K.Rohit Raj	19261A1423	Math Quiz	MECHANICA-21, IIT MADRAS	9th 11th April 2021	Participated
24	K.Rohit Raj	19261A1423	Webinar on Robotics- Connecting Engineering Minds	IIT Delhi	Jan 2021	Participated



The booming club has been conducting events in the college and has continuously promoted the club and it's activities.



SAE:

SAEINDIA is an affiliate society of SAE International, registered as an Indian non-profit engineering and scientific society dedicated to the advancement of the mobility community in India. As an individual member driven society of mobility practitioners, SAEINDIA comprises members associated with transforming the transportation industry which includes engineers, executives from the industry, government officials, academics and students. Principal emphasis is placed on industries such as automotive, aerospace and commercial vehicles. SAEINDIA promotes and undertakes initiatives for knowledge dissemination and advancement in mobility technologies catering to land, sea, air and space. Out of many student centered events, BAJA SAEINDIA is one of the grandest events falling under the umbrella of SAEINDIA.



AUTOMOBILE EXHIBITION

SAE-MGIT organized a "Automobile Exhibition" on March 12th 2020 under the Aegis of SAE-MGIT CLUB









Industrial Visits

s.no	NAME OF THE COMPANY	VISIT DATE	NO. OF STUDENTS VISITED
1	M/s Fluroshield Equipment's, Hyderabad	21/8/19	45
2	M/s Sai Deepa Rock Drilling Tools , Hyderabad	21/8/19	44
3	M/s Sai Deepa Rock Drilling Tools , Hyderabad	9/11/19	61
4	M/s Fluroshield Equipment's, Hyderabad	9/11/19	61
5	M/s G.I. Automations Hyderabad	9/11/19	61
6	M/s Sai Deepa Rock Drilling Tools , Hyderabad	6/03/20	58
7	M/s Fluroshield Equipment's, Hyderabad	6/03/20	56
8	M/s G.I. Automations Hyderabad	6/03/20	56
9	M/s Fluroshield Equipment's, Hyderabad	03/01/20	61
10	M/s Sai Deepa Rock Drilling Tools , Hyderabad	03/01/20	61
11	M/s G.I. Automations Hyderabad	03/01/20	56



Industrial Visit- Fluoroshield equipments, Hyderabad

Department of Mechanical Engineering (Mecharonics), Mahatma Gandhi Institute of technology arranged a one day industrial visit for 6th mechatronics students to "M/s Fluoeoshield Equipments", Hyderabad dated 12th Decembe 2021 for better technical knowledge enhancement of students. These program can be a powerful tool to constitute a positive industrial climate and can range from basic manufacturing system programs for students.

Student Placements

S.No.	Name	Roll No.	Name of the Employer
1	AARE SUSHMA	17261A1402	M/s Tata Electronics Private Limited (TEPL), Bangalore
2	A ANANTHA SIVA SRINIVASA REDDY	17261A1405	M/s Rexnord company , Hyderabad
3	BANAGIRI SAKETH NARAYAN	17261A1409	M/s Cognizant Technology Solutions India Pvt. Ltd., Hyderabad
4	CHETTIPALLI ADITYA	17261A1416	M/s TCS Limited , Hyderabad
5	CHINNAMEDA SURYA PRAKASH	17261A1417	M/s Infosys Limted, Hyderabad
6	D VARUN REDDY	17261A1419	M/s TCS Limited , Hyderabad
7	G V SAAKETH	17261A1421	M/s TCS Limited , Hyderabad
8	GAJULA RAJ KUMAR	17261A1422	M/s Colgate-PalmoliveIndia Limited , Hyderabad
9	GUMMALA BALA PREM RAJ	17261A1423	M/s Delta Technology & Management Services Pvt Ltd, Hyderabad
10	JWALA LAKSHMI SRAVYA	17261A1426	M/s Amazon Development Centre (India) Private Limted , Hyderabad.

Student Placements

S.No.	Name	Roll No.	Name of the Employer
11	K NASIRUDDIN	17261A1427	M/s Capgemini Technology services India Limited , Hyderabad.
12	KATTUNGA BHARGAV SAI RAM	17261A1432	M/s Capgemini Technology services India Limited , Hyderabad.
13	MOHAMMED AHTESHAMUDDIN	17261A1436	M/s Accenture , Hyderabad.
14	MRINALINI S L	17261A1438	M/s Ikashi Fintech Pvt. Ltd, Hyderabad.
15	MUNGALLA ANUSH	17261A1439	M/s Larsen & Toubro Infotech Ltd, Hyderabad
16	PALAVALASA KIRAN	17261A1441	M/s TCS Limited , Hyderabad
17	PRANAHITH BABU YARRA	17261A1442	M/s Cognizant Technology Solutions India Pvt. Ltd., Hyderabad
18	PUDUTHA MAHESH BHARATH	17261A1443	M/sIndia Nippon Electricals Ltd , Hyderabad
19	SAI SURAJ KARRA	17261A1447	M/s Infosys Limted, Hyderabad
20	S VEERABHADRA SAI SREENIVAS	17261A1451	M/s TCS Limited , Hyderabad

Student Placements

S.No.	Name	Roll No.	Name of the Employer
21	VENKATESH MEKALA	17261A1456	M/s Infoyis Limted, Hyderabad
22	SAVALI PANDU	17265A1411	M/s Olectra Greentech limted, Hyderabad
23	BOBBA MAHENDHAR REDDY	18265A1403	M/s MTAB Technology Center Private Limited, Chennai
24	GOLLAPALLI SAI KUMAR	18265A1404	M/s TCS Limited , Hyderabad
25	K MADHU MOHAN CHARY	18265A1405	M/s Marut Dronetech Private Limited , Hyderabad
26	MAHENDERKAR VISHAL	18265A1407	M/s Mahindra and Mahindra Ltd , Hyderabad
27	NEERNEMULA CHARAN TEJA	18265A1408	M/s Cognine Technologies Pvt Ltd, Hyderabad
28	B KRISHNA SAI PRANEETH	16261A1408	M/s Vaishanavi Microbial Pvt Ltd
29	BORRA BHAVADEEP KRISHNA	16261A1411	M/s P2 E-Pro Pvt Ltd, uttar Pradesh

Higher Education

S.No.	Name of the student placed	Enrollment No.	Details of higher Educataion
1	ADITI PRAFULL TURALE	17261A1403	MS, USA
2	AKARAM SAI SWAROOP	17261A1404	MS , Germany
3	B MAHAVEER KASHYAP RAJ	17261A1406	MS, USA
4	B TEJASWINI	17261A1408	MS, USA
5	BANAGIRI SAKETH NARAYAN	17261A1409	M S in Robotics (university of Maryland) U S A.
6	BHAVANAM BHARADWAZ REDDY	17261A1411	MBA, ICET-52
7	BOORA NIKHILVENKAT GOUD	17261A1414	MS , Germany
8	GUMMALA BALA PREM RAJ	17261A1423	M Tech, IARE Institute of Aeronautical Engineering, Hyderabad
9	JAYANTH BALAJI U	17261A1424	MS , Germany
10	JONNALAGADDA ROHITH	17261A1425	M S, U S A
11	JWALA LAKSHMI SRAVYA	17261A1426	
12	KANUKUNTLA NANDA VANAMALI	17261A1430	MS, USA

Higher Education

S.No.	Name of the student placed	Enrollment No.	Details of higher Educataion
13	KARNATI RITVIK REDDY	17261A1431	MS, USA
14	KATTUNGA BHARGAV SAI RAM	17261A1432	
15	M SHALINI REDDY	17261A1433	MS, USA
16	MARIYA SIDDIQUA	17261A1434	MS, USA
17	MOHAMMED AMAAN ALI SIDDIQUI	17261A1437	M S(Emdedded Systems), Hochschule Bremerhaven University, Germany
18	PUDUTHA MAHESH BHARATH	17261A1443	M.Tech, (Autonomous Electric Vehicle)Mahindra University, Hyderabad
21	SAI THARUN KAKKIRALA	17261A1448	MS, USA
22	S VEERABHADRA SAI SREENIVAS	17261A1451	





