

2023 - 24

MECHATRONICS

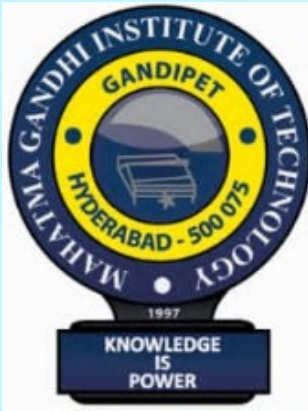
GUEST LECTURE ON
INDIA DESIGN WEEK

TECHNICAL SYMPOSIUM
TECHNOVATION - 2024

WORKSHOP BY
ROBOTICS CLUB

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

MECHATRONICS NEWSLETTER



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, equipped with hands-on training to make them good entrepreneurs with an emphasis on values and ethics 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 Mechanical Engineering. It aims at reaching the pinnacles 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.



B.Tech. – Mechatronics Program Educational Objectives (PEOs)

- PEO1 :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
- PEO2 :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.
- PEO3 :To promote the students awareness of life-long learning, and to introduce them to professional ethics and codes of professional practice.
- PEO4 :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)

- PSO1 : An ability to identify, formulate and solve engineering problems of advanced Mechanical Engineering in the area of Robotics and Automation.
- PSO2 : An ability to apply the concepts of Mechatronics for the development of engineering applications in the area of Pneumatics, Hydraulics and Electronic Control Systems.

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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. six Professors, one Associate Professor 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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Faulcly Publication

- Optimization of Process Parameters in Turning of Hard Steel by Supplying Magnetized Cutting fluid based on the MQL System published in High Technology Letters Jan 2024, Volume 30, Issue 1, Pages: 454-462, 1006-6748 by Dr. G. Chandra Mohana Reddy.
- Optimization Using DEFORM-3D Software and Experimental Study on The Influence of Magnetized Coolant on Tool Wear in Turning Operation published in Industrial Engineering Journal Dec 2023, Volume: 52, Issue 12, No. 2, Pages: 1-9., 0970-2555 by Dr. G. Chandra Mohana Reddy.
- Enhancing Efficiency of PVT systems with Finned PCM technology published in i-manager's Journal on Mechanical Engineering 13(3), 21-35 July - September 2023 issue ISSN:2277-5110/2277-5250, (Volume 13, issue no.3), ISSN:2277-5110/2277-5250 by Dr K.Sudhakar Reddy.
- Thermal and phase change characteristics of organic phase change material enhanced by carbonaceous materials published in Journal of thermal analysis and calorimetry under review by Dr K.Sudhakar Reddy.
- Improved electrical properties of $\text{Ba}_{1-x}\text{Ca}_x\text{Ce}_{0.8}\text{Nd}_{0.2}\text{O}_{3-\delta}$ solid oxide fuel cells published in Inorganic Chemistry CommunicationS 169, 1-6, ISSN: 1387-7003 by K. Ankamma.
- Mechanism for Automation in Welding Processes of Pressure Vessels published in Journal of Emerging Technologies and Innovative Research Vol.10, Issue 7, July 2023, Pp.439-448, 2349-5162 by Dr.S Madhava Reddy.
- Experimental investigation of cutting conditions in turning of Al-MMC published in Materials Today Proceedings Volume 76, Part 3, 2023, Pages 488-494, 2214-7853 by Dr. G. Chandra Mohana Reddy.
- Simulation of cutting forces using DEFORM 3D software and Experimental validation published in Strad Research Feb 2024, Volume 11, Issue 2, Pages: 208-214, 0039-2049 by Dr. G. Chandra Mohana Reddy.
- Influence on solar PV performance integrated with heat sinks and nano-enhanced phase change material published in Part E:Journal of Process of Mechanical Engineering volume 1- 10 , 2024 by sage publications, ISSN: 20413009, 09544089 by Dr K.Sudhakar Reddy.
- PVT Panel efficiency enhancement with cooling methods and sun tracking published in i-manager's Journal on Mechanical Engineering 13(3), 21-35 July - September 2023 issue ISSN:2277-5110/2277-5250, (Volume 13, issue no.3), ISSN:2277-5110/2277-5250 by Dr K.Sudhakar Reddy.
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- IoT-Based Smart Hydroponic System and Monitoring of Plant's Health through Image Processing published in International Journal of All Research Education and Scientific Methods Volume 12, Issue 1, January-2024, Pp.985-989, 2455-6211 by Dr.S Madhava Reddy.
- DESIGN AND MODELLING OF FIRST RESPONDER HEXAPOD published in Organization Development Journal Volume 12, Issue 2, February 2024, Pp.94-101, 0889-6402 by Dr.S Madhava Reddy.
- Study on the Mechanical Behavior of Aramid Epoxy Composites with Coal Ash Filler published in Nano World Journal 10(S1): March 20, 2024 Pp.250-258., 2379-1101 by Dr.S Madhava Reddy.
- Design And Analysis Of 3D Printed Cable Protector Using PLA/ABS published in Bulletin For Technology And History Journal Volume 24, Issue 05, May 2024, Pp. 423- 434, 0391-6715 by Dr.S Madhava Reddy.
- Attitude Control system in a freely falling body published in Organization development Journal Vol 29, Issue 11 ,November 2023 ,pp.136-149., 0889-6402 by Dr.R.Uday Kumar.
- Experimental and numerical investigation of thermo-hydrodynamic performance of twin tube counter flow heat exchanger using cerium oxide nanofluid published in Numerical Heat Transfer, Part A: Applications. An International Journal of Computation and Methodology (Taylor & Francis Publications) Published online: 17 Oct 2023., 1521-0634 by Dr.R.Uday Kumar.
- Augmenting heat transfer performance in a heat exchanger with CeO₂ nanofluids published in Materials Research Innovations(An International Journal), Taylor & Francis Publications Vol 28, No.1,January 2024, pp.19-31, 1433-075X by Dr.R.Uday Kumar.
- Influence of W-cut twisted tape inserts on heat transfer characteristics of a counter flow heat exchanger using CeO₂ nanofluid – an experimental and numerical investigations published in Numerical Heat Transfer, Part A : Applications, An International Journal of Computation and Methodology, Taylor & Francis Publications Published Online : 31.05.2024., 1521-0634 by Dr.R.Uday Kumar.
- Workspace Analysis of Calibrated Multi-position Synthesized 3-Prismatic-Revolute-Spherical Manipulator published in J. Inst. Eng. India Ser. C Volume 105, Issue 1, March 2024, pp. 195-214, Print ISSN 2250 – 0545, online ISSN 2250-0553 by Dr. P. Srinivasa Rao.
- AUTONOMOUS ROCKER BOGIE FOR PLANT IRRIGATION SYSTEM published in Organization Development Journal (OD Publisher Journal) Volume 29, Issue 11, Nov 2023, Page no. 150-157 by P.V.Prasad Reddy.
- DESIGN AND FABRICATION OF FIRST RESPONDER HEXAPOD published in International Journal of Research and Development in Engineering Sciences Volume 6, issue 4, June 2024, 2582-4201 by P.V.Prasad Reddy.

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- Design and fabrication of Intelligent Combat Robot published in european journal of engineering Eur. Chem. Bull. 2023,12(issue 10), 145-161, ISSN : 2063: 5346 by D KAMESWA RARAO.
- Design and Analysis of Multi-Axis Welding With Auto Indexing published in International Journal of All Research Education and Scientific Methods (IJARESM) Volume 12, Issue 6, Pg 2711-2717, June-2024., 2455-6211 by B Ramakrishna.
- Fabrication of Pneumatic Operated Actuator by Using Reciprocating Mechanism published in International Journal of All Research Education and Scientific Methods (IJARESM) Volume 12, Issue 2, pg:1068 -1079,February-2024, 2455-6211 by B Ramakrishna.
- Investigation of Al-7075/Al₂O₃/SiC by swirl casting and WEDM published in MATEC Web of Conferences 392, 2024, 2261-236X by Konka Prudhvi Raj.
- Manufacturing while Investigations of Al7075/RHA/Al₂O₃ Composite by Squeeze Casting Approach" published in MATEC Web of Conferences 392 (01027), 2024, 2261-236X by Konka Prudhvi Raj.
- Fabrication and characterization of sic, tio₂, and pksa hybrid aluminum-based metal matrix composites published in MATEC Web of Conferences 392 (01023), 2024, 2261-236X by Konka Prudhvi Raj.
- Impact of TiB₂ Particles on Improving Processing Parameters of TiB₂/Al Metal Matrix Composites. published in MATEC Web of Conferences 392 (01022), 2024, 2261-236X by Konka Prudhvi Raj.
- Effect of coir fiber loading on the mechanical, thermal, and physical properties of natural composites in applications of packaging published in Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering In Press, 0954-4089 by Dr. Rakesh Kumar Gunda.
- Stealth Propulsion System In Marine Vessels: Design, Analysis And Fabrication published in ORGANISATION DEVELOPMENT JOURNAL Volume-12-issue-7-2024, 7 th , page no.61-69), 0889-6402 by K.Sirisha.
- Geometric Modelling And Analysis Of Camshaft Using Fea published in International Journal of Creative Research Thoughts (IJCRT) Volume.12, Issue 4, pp.j141j149, April 2024, 2320-2882 by K.Sirisha.
- Exploration of the mechanical characteristics of al7075 metal matrix composite enhanced with fe₃o₄ and pksa published in MATEC Web of Conferences 392 (01023), 2024, 2261-236X by Konka Prudhvi Raj.
- Design and Analysis of Enhanced Electronic Cooling Using Ultra-Thin PCB-Embedded Motor published in Nanotechnology Perceptions 20 No. S1 (2024) 1176-1188, 1660-6795 by YVN Chandana.
- Experimental Analysis of Process Parameters in Wire-Cut Electric Discharge Machining published in Nanotechnology Perceptions 20 No. S2 (2024) 1162-1171, 1660-6795 by YVN Chandana.
- Design and Development of Vibrating Seats in Automobiles published in Journal of Technology VOLUME 12 ISSUE 4, 2024 pp:1133-1142, 1012-3407 by YVN Chandana.

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- Process parameters influence in micro hole drilling of electrochemical micromachining of stainless steel published in AIP Conference Proceedings vol. 3006, no. 1. , December 2023, ISSN 1551-7616 by Dr.T.Niranjan.
- Experimental Investigation on Single Point Incremental Forming Process Using Conventional Fluid and Solid Lubrication published in NanoWorld Journal 9(S4): S356-S360.,November 2023, ISSN: 2379-1101 by Dr.T.Niranjan.
- Performance of Hybrid Micro Textured Drill Tool and Nanofluid in Drilling of Aerospace Alloy published in NanoWorld Journal J 9(S4): S350-S355,November 2023, ISSN: 2379-1101 by Dr.T.Niranjan.
- Optimization of the Parameters of the Electrochemical Micromachining Process Using Artificial Neural Network (ANN) Models to established a Simple Relationship Between Machining Rate (MR), Overcut (OC) and Input Data published in Journal of New Materials for Electrochemical Systems 27, no. 1 ,pp:25-29,January 2024, ISSN:1480-2422 by Dr.T.Niranjan.
- Optimization of Fused Deposition Modeling Control Parameters Using Hybrid Taguchi and TOPSIS Method published in Sustainable Machining and Green Manufacturing, WILEY Publishers May 2024,pp.289-304, ISBN:9781394197866 by Dr.T.Niranjan.
- Application of Biocarbon Polymer Nanocomposites as Filaments in the FDM Process A Short Review published in Biocarbon Polymer Composites,Bentham Science Publisher December 2023, 87-97, ISBN: 978-981-5196-68-9 by Dr.T.Niranjan.
- Identification of Fake Indian Currency Using Deep Learning Techniques published in IEEE Technology & Engineering Management Conference-Asia Pacific (TEMSCON-ASPAC) In 2023 pp. 1-6. IEEE Xplore, 21 May 2024, ISBN:979-8-3503-8465-9 by Dr.T.Niranjan.
- Effect of Material type and Process Parameters on Tensile Strength of 3D Printed Specimen published in Journal of Physics: Conference Series (Vol. 2779, No. 1, p. 012077). IOP Publishing 2024 Jun 1, ISSN: 1742-6596 by Dr.T.Niranjan.
- Analytical Study of Geometric Effects on Functionally Graded Carbon Nanotube Sandwich Shells published in Nanotechnology Perceptions Vol. 20 No. S5 (2024) ISSN 1660-6795 by C. Sucharitha.
- Validation and Verification of Remaining Useful Life Prediction for Lithium-Ion Batteries based on AM-CNN Approach published in IEEE XPLORE 2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), 18-20 October 2023, M.P. Nachimuthu M.Jaganathan Engineering College, Chenimalai, Erode, Tamil Nadu, India, 2023., ISBN 978-80-7043-987-6. ISSN 1803-7232. by Dr. Asheesh Kumar.
- **EVALUATION OF MECHANICAL PROPERTIES OF BLENDED PVC OVER VIRGIN PVC USED IN INJECTION BLOW MOLDING PROCESS** published in Industrial Engineering Journal Volume : 53, Issue 9,No.3, ISSN: 0970-2555 by B. Govinda Reddy.
- Blending Virgin With Recycled Polypropylene Chairs And Optimization Of Injection Moulding Process Parameters published in Industrial Engineering Journal Volume: 53, Issue 3, No. 2, ISSN: 0970-2556 by P.Shashidar.

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- Design And Fabrication Of Non-Woven Needle Punching Machine published in Industrial Engineering Journal Volume : 53, Issue 3, No. 2, March : 2024., ISSN: 0970-2557 by P.Shashidar.
- Study And Fabrication Of Optimized Dip Resin Bath published in Industrial Engineering Journal Volume: 53, Issue 2, No. 4, Page no:58-64February: 2024, ISSN: 0970-2559 by P.Shashidar.
- A Comparative Analysis of Single and Multi Objective Optimization of Process Parameters of Dissimilar Metal Friction Welding of Pure Copper and Pure Aluminium presented at Department of Aeronautical and Mechanical Engineering, MLRIT, Hyd, 16th – 17th February 2024 by Dr. P Venkata Ramana.
- **DESIGN AND FABRICATION OF FIRST RESPONDER HEXAPOD** presented at Organized by Research & Development Cell Aditya College of Engineering-Madanapalle, A.P, 31/05/2024 and 01/06-2024 by P.V.Prasad Reddy.
- Modeling And Exploring Temperature Distribution And Heat Flux Analysis of A Coated Piston presented at Organized by Research & Development Cell Aditya College of Engineering-Madanapalle, A.P, 31/05/2024 and 01/06-2024 by P.V.Prasad Reddy.
- Promotion of Article-Article Affiliation-Affiliated Country presented at The 11th Annual World Congress of Ocean (WCO-2023) – The 21st Conference on International Exchange of Professionals – Parallel Session in Japan and Cluster Meeting of Gala Technology, 15-11-2023 by Dr. P. Srinivasa Rao.
- Synthesizing green hydrogen in industry presented at European Conference on Renewable Energy and Green Chemistry, Scitechseries Publishing Limited, 06-03-2024 by Dr. P. Srinivasa Rao.
- Synthesis of a Three - Degree of Freedom Spatial Parallel Manipulator presented at Global Congress on “AdvancedSatellite Communications 2023” Organized by Peers Alley Media, 1126 59 Ave East, V5X 1Y9, Vancouver BC, CANADA, 16-11-2023 by Dr. P. Srinivasa Rao.
- Effect of Material type and Process Parameters on Tensile Strength of 3D Printed Specimen presented at ICMISI-2024,Vishnu Institute of Technology Bhimavaram, Andhra Pradesh, 02-03 February 2024 by Dr.T.Niranjan.
- Circular Fashion Supply Chains: An Empirical Study on Overcoming Circular Economy Challenges through Coordination presented at Recent Advances in Design and Manufacturing (RADM-2024),Department of Mechanical Engineering, National Institute of Technology Patna, 28 – 30 June 2024 by Dr.T.Niranjan.
- Validation and Verification of Remaining Useful Life Prediction for Lithium-Ion Batteries based on AM-CNN Approach presented at Nachimuthu M.Jaganathan Engineering College, Chenimalai, Erode, Tamil Nadu, India, 2023., 18-20 October 2023 by Dr. Asheesh Kumar.
- Efficient method for creep Behavior of recycled aggregate concrete using MS-CNN and LSTM presented at Coimbatore, Tamil Nadu during, 29-31 January 2024 by Dr. Asheesh Kumar.
- Predictive Service in the Automotive Industry: Coupling Machine Learning and IoT presented at Birla Institute of Technology Mesra, Ranchi Off-Campus Jaipur, Rajasthan, India., July 27-28, 2023 by Dr. Asheesh Kumar.
- Parametric Analysis of 3d-Printed Part Using Abs And Pla For Drone Applications presented at NCPCAE’24, organized by Rajalakshmi Engineering College,Chennai, 26-27th April 2024 by Dr.T.Niranjan.

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- DESIGN AND FABRICATION OF FIRST RESPONDER HEXAPOD presented at Organized by Research & Development Cell Aditya College of Engineering-Madanapalle, A.P, 31/05/2024 and 01/06-2024 by P.V.Prasad Reddy.
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FACULTY ACHIEVEMENTS

S.No	DATE	NAME OF THE FACULTY	TITLE OF THE AWARD	NAME OF THE ORGANIZATION	VENUE
1	15-09-2023	Dr. G. Chandra Mohan Reddy	Bharat Ratna Sir Mokshagundam Visvesvaraya Award	TS Govt & Institution of Engineers	Telangana state centre
2	27, 28-7-2024	Dr. T.Niranjan	Session Chair for 3rd IEEE world conference on Applied Intelligence and Computing	IEEE world conference	Offline
3	23, 24 March 2023	Dr. T.Niranjan	Session Chair for the Int. conference on Advanced Materials, Manufacturing and Industrial Engineering (AMMIE 2023)	Department of Mechanical Engineering Mahendra Institute of Technology	VIT, Chennai

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FACULTY DEVELOPMENT PROGRAMS

S NO.	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANISED BY	DATE	RELEVANT AREA	DURATION IN DAYS
1	Dr. K. Ankamma, Professor	Recent Trends in Green Energy Initiatives and Soft Computing Techniques	Dept of EEE, MGIT	11-07-2023 to 15-07-2023	Energy	7
		Aiming towards 3Ds in Electrical Engineering	Dept of EEE, MGIT	11-03-2024 to 15-03-2024	Energy	7
		Manifold Design and solution P8	Automation Studio	16-01-2024	PLC	1
		Introduction to new features of Automation Studio	Automation Studio	18-01-2024	PLC	1
		Hydraulics + Virtual Trainer Kits	Automation Studio	18-03-2024	PLC	1
		Pneumatics + Virtual Trainer kits	Automation Studio	19-03-2024	PLC	1
		Electrical + Virtual Trainer kits	Automation Studio	20-03-2024	PLC	1
		Advanced Hydraulics-Pumps P8	Automation Studio	23-01-2024	PLC	1
		Pneumatics + PLC E8	Automation Studio	25-01-2024	PLC	1
		Effective Curriculum Implementation Using Foss	NITTTR, Chandigarh.	08-01-2024 to 12-01-2024	curriculum design	5
2	Dr. S.Madhava Reddy, Professor	Contemporary Issues in Science, Engineering & Technology	Aditya College of Engineering, Madanapalle	31-05-2024 to 01-06-2024	Manufacturing	2
		Navigating the opportunities in Innovation & Technology for future Bharath	Akhil Bharthiya Rastriya (Technical Education) & JNTUH, Hyderabad	05-04-2024	Innovation & Technology	1
		Advancement in Materials and Manufacturing	MLRIT, Hyderabad	16-02-2024 to 17-02-2024	Manufacturing	2
		Application of AI/ML using Pattern Recognition & Intellectual Property Rights	Chaitanya Bharathi Institute of Technology	29-01-2024 to 02-02-2024	AI and ML	5
		National Intellectual Property Awareness Mission	Intellectual Property Office, India	19-01-2024	Intellectual Property	1
		Effective Curriculum Implementation using FOSS	NITTTR, Chandigarh	08.-01-2024 to 12-02-2024	FOSS	5

		Machine learning applications for Mechanical Engineers	CVR College of Engineering	18-12-2023 to 23-12-2023	Machine Learning	6
		Unlocking the future: Mechatronics Technological Innovation	NITTTR, Chandigarh & NIT Kurukshetra	07-11-2023	Mechatronics	1
		AI Cloud Apps	AI Technologies Pvt Ltd	04-11-2023	AI and ML	1
		Advanced Manufacturing & Materials Processing	Anant Gyan Knowledge and Skills Private Limited	25-09-2023 to 29-09-2023	Manufacturing	5
		Cloud Computing-NPTEL-AICTE	IIT Madras, Chennai	July-Oct 2023	Computing	84
		Recent Trends in Green Energy Initiatives and Soft Computing Techniques	Mahatma Gandhi Institute of Technology	11-07-2023 to 15-07-2023	Green Energy	5
		Role of 3D printing in Digital Manufacturing	Anurag University	03-07-2023 to 07-07-2023	3D Printing	5
		Recent Advances in Sustainable Materials	PGP College of Engineering & Technology	27-07-2023 to 28-07-2023	Sustainable Materials	2
		Advances in Materials and Manufacturing Technology	Chitkara University, Punjab	03-11-2023 to 04-11-2023	Manufacturing	2
		Recent Trends in Green Energy Initiatives and Soft Computing Techniques	MGIT, Hyderabad	11-07-2023 to 15-07-2023	Green Energy	5
3	Dr. R.Uday Kumar, Associate Professor	Unlocking Innovation: Exploring Research, Innovation and Patents	SVERI's College of Engineering, Pandharpur	17-07-2023 to 22-07-2023	Patents	6
		Future Scopes for additive manufacturing in industrial and biomedical applications International	Aditya Engineering College, Surampalem.	17.07.2023 to 21.07.2023	Additive manufacturing	5
		Virtual FDP on "Global Conversations in Mechanical Engineering: Bridging Innovation and Sustainability"	Madanapalle Institute of Technology & Science, Andhra Pradesh, India.	19-02-2024 to 23-02-2024	Mechanical engineering	5
4	Mr.P.V.Prasad Reddy, Assistant Professor	2nd National Conference on Contemporary Issues in (NCCISSET) 2K24 - "DESIGN AND FABRICATION OF FIRST RESPONDER HEXAPOD"	Research & Development Cell Aditya College of Engineering	31-05-2024 to 01-06-2024	Engineering	2

		2nd National Conference on Contemporary Issues in (NCCISSET) 2K24 – "Modelling And Exploring Temperature Distribution and Heat Flux Analysis of a Coated Piston"	Research & Development Cell Aditya College of Engineering	31-05-2024 to 01-06-2024	Engineering	2
		online International Faculty Development Program on “Advancements in Automobile Engineering for Sustainable Development” Current trends in mechanical Engg-Case Studies from industries and academia to promote innovation, Design Thinking, idea and concepts	Department of Automobile Engineering, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	24-06-2024 to 28-06-2024	Engineering	7
			Department of Mechanical Engineering Sri Vishnu engg college, Bhimavaram	20-05-2024 to 25-05-2024	R & D	5
5	M. Pratyusha, Assistant Professor	Unlocking Innovation: Exploring Research, Innovation and Patents (UIERIP-2023)”	Department of Mechanical Engineering, , Shri Vithal Education & Research Institute’s, (SVERI’s) College of Engineering, Pandharpur	17-7 to 22-7- 2023	Innovation and Patents	6
6	Mr. D Kameswara Rao, Assistant Professor	Unlocking Innovation: Exploring Research, Innovation and Patents	College of Engineering Pandharpur	17-07-2023 to 22-07-2023	Innovation, Startup	6
7	Mr.B Rama Krishna, Assistant Professor	Advances in Material Technology for Next Generation Manufacturing Emerging	Ballari Institute of Technology and Management	1-2-2024 to 5-2-2024	Materials & Manufacturing	5
8	Dr. G Rakesh Kumar, Assistant Professor	technologies for Thermal Energy production and Storage (hybrid) Product	BVRIT, Narsapur	13-09-2023 to 17-09-2023	Thermal Energy	5
		Design using Fusion 360 (Online LIVE FDP)	ICT Academy	22-08-2023 to 25-08-2023	CAD	4
9	Ms. Sirisha, Assistant Professor	SCIENT -Need for Entrepreneurship Ecosystem Development	CYIENT, IITH	16-10-2023 to 18-10-2023	Entrepreneurship	3
		Current Trends in Mechanical Engineering	SVECW, Bhimavaram	20-05-2024 to 25-05-2024	Innovation, Startup	6
		Artificial Intelligence & Information Security in IOT	IIT Hyderabad	9-01-2024 to 12-01-2024.	AI & IOT	4
		and Smart Vehicles (AHSIV)	NITTTR, Chandigarh.	08-01-2024 to 12-01-2024	PLC	5

		ARISTOSIM software and 6 axis Articulated Robot Simulation	MTAB	09-09-2023	Robotics	1
10	Ms. Y.V.N. Chandana, Assistant Professor	NI Academic Conclave 2024	VVDN Technologies	25-04-2024	Instrumentation and Control systems	1
		PCB Designing	The National small Industries corporation Limited	6-5-2024 to 20-5-2024	PCB designing	14
11	Dr. T Niranjan, Assistant Professor	Metal additive manufacturing	ICFAI Hyderabad	25-12-2023 to 30-12-2023	Additive Manufacturing	6
		Optimization Techniques for Engineering applications	NIT Warangal	11-03-2024 to 22-03-2024	Advanced Optimization	12
		Viksit Bharat-2047 Role of Engineering Faculty	IIIT RK Valley	29-01-2024 to 02-02-2024	Viksit Bharat	5
12	Ms. C. Sucharitha, Assistant Professor	Emerging Trends and Technologies in Renewable Energy Systems	GATES Institute of Technology	05-02-2024 to 09-02-2024	Renewable Energy systems	5
		Advanced Trends in Mechanical Engineering	KSRM College of Engineering	26-02-2024 to 01-03-2024	Manufacturing	5
		Navigating the opportunities in Innovation & Technology for future Bharath	Akhil Bharthiya Rashtriya (Technical Education) & JNTUH, Hyderabad	05-04-2024	Innovation & Technology	1
13	Mr. S. Ajay Kumar, Assistant Professor	Navigating the Opportunities in Innovation & Technology for Future Bharath	Akhil Bharthiya Rashtriya (Technical Education) in association with JNTUH	05-04-2024	Innovation & Technology	1
14	Mr. P Shashidar, Assistant Professor	Navigating the Opportunities in Innovation & Technology for Future Bharath	Akhil Bharthiya Rashtriya (Technical Education) in association with JNTUH	05-04-2024	Innovation & Technology	1
15	Mr. K Santosh Kumar, Assistant Professor	Advancements in Mechanical Engineering	Lakireddy Bali Reddy College of Engineering, Andhra Pradesh	19-06-2023 to 24-06-2023.	Technology	6
		Unlocking Innovation: Exploring Research, Innovation and Patents	SVERI's College of Engineering, Pandharpur	17-07-2023 to 22-07-2023	Innovation & Technology	6
		Learning 3D Printing	LINKEDIN LEARNING	11-5-2024	Additive Manufacturing	3
16	Ms. P Meghana, Assistant Professor	Learning Analytics Tools	NPTEL	Jul-Oct 2023	Analytics	84

17	Dr. Asheesh Kumar, Assistant Professor	AICTE Training and Learning (ATAL) A One Week ATAL Faculty Development Programme on IoT and Sensor design for Industry 5.0	CBIT Hyderabad	18 to 23-12-2023	IoT	7
		Mechanics of Machining	NPTEL-SWAYAM-AICTE	Jan-Mar 2024	Manufacturing	56
		NEP 2020 Orientation & Sensitization Programme - 6	UGC Malaviya Mission Teacher Training Centre, Jawaharlal Nehru Technological University Hyderabad	16 to 28 - 02 - 2024	Teachers Training Program	14
		Module – 5: Technology Enabled Learning and Lifelong Self-Learning September, 2023	NITTT-AICTE-SWAYAM	September 2023, Eight Weeks	Teachers Training Program	56
		Module – 6: Student Assessment and Evaluation	NITTT-AICTE-SWAYAM	September 2023, Eight Weeks	Teachers Training Program	56
		Module – 7: Creative Problem Solving, Innovation and Meaningful Research & Development	NITTT-AICTE-SWAYAM	September 2023, Eight Weeks	Teachers Training Program	56
		Module – 8: Institutional Management and Administrative Procedures	NITTT-AICTE-SWAYAM	September 2023, Eight Weeks	Teachers Training Program	56

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CO-CURRICULAR ACTIVITIES OF THE STUDENTS FOR THE ACADEMIC YEAR: 2023-24						
S.NO	NAME OF STUDENT	ROLL NO.	EVENT	ORGANAIZED BY	DATE	PARTICIPATION
1	Bhoomika veluturi	23261A1455	Hackathon	Mgit, Hyd	9-03- 2024	Award
2	A Satwik Chandra	20261A1402	3d Printing And Cad Modeling	Eit And Future Skills Prime	19-04-2024	Merit
3	Mesram Shubham	20261A1426	3d Printing And Cad Modeling	Eit And Future Skills Prime	19-04-2024	Merit
4	Pokala Gokul	20261A1433	Introduction To 3d Printing And Cad Modeling	Eit And Future Skills Prime	19-04-2024	Merit
5	Sirisha Potharaju	20261A1434	3d Printing And Cad Modeling	Eit And Future Skills Prime	19-04-2024	Merit
6	Puppala Ravali	20261A1435	3d Printing And Cad Modeling	Eit And Future Skills Prime	19-04-2024	Merit
7	Harshini Ramani	22261A1433	Nova Club	Mgit, Hyd	7-12-2023-8-12-2023	Merit
8	Pranav Datta	21261A1413	Basketball-State Level Premier League	CVR College Of Engineering	26-02-2024-29-02-2024	Merit
9	Abhilash Reddy	21261A1420	Basketball-State Level Premier League	CVR College Of Engineering	26-02-2024-29-02-2024	Merit
10	K Jathin	20261A1418	Best organizer	MGIT	2023-2024	Appreciation
11	A Sai Sandesh	20261A1403	Remark Skill Technical Workshop On Automobile Ic Engines	IIT, Hyderabad	23-09-2023-24-09-2023	Completion
12	Puppala Ravali	20261A1435	Python Course Completion	Naresh i Technologies	08-2023 to 09-2023	Completion

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13	Veerapaneni Yugendhar Chowdary	20261A1449	Remark Skill Technical Workshop On Automobile Ic	IIT Hyderabad	23-09- 2023 to24-09- 2023	Completion
14	K Sai Varun	21265A1403	Data Analytics And Visualization Job Simulation	Accenture And Forge	5-2-2024	Completion
15	Racha Malla Jayanth	20261A1436	Automobile & Ic Engine	IIT Hyderabad	23-09-2023- 24-09-2023	Completion
16	Pokala Gokul	20261A1433	Training In Solidworks	Intershala Trainings	8-9-2023	Training
17	Pokala Gokul	20261A1433	Training In Plc Programming	Intershala Trainings	21-08-2023	Training
18	Abhiram Koka	21261A1401	PULSE PITCH	Mgit, Hyd	21-03-2024	Coordinator
19	Aravind	21261A1410	ROBOT MAZE	Mgit, Hyd	21-03-2024	Coordinator
20	Thilak	21261A1421	PICTIONARY	Mgit, Hyd	21-03-2024	Coordinator
21	Rupendra	21261A1423	Obstacle Course	Mgit, Hyd	21-03-2024	Coordinator
22	Ahsharaakru thi	21261A1424	PAPER PRESENTATION	Mgit, Hyd	21-03-2024	Coordinator
23	Rohith	21261A1434	ANIME QUIZ	Mgit, Hyd	21-03-2024	Coordinator
24	Shiva	22265A1404	Whisper Challenge	Mgit, Hyd	21-03-2024	Coordinator
25	Aditya Jhamwar	20261A1401	Robotics Classes	Y E Robotics Academy, Hyd	2023-2024	Participation
26	Aditya Jhamwar	20261A1401	Teaching English As A Foreign Language(Tefl)	Udemy	17-03-2024	Participation
27	Aditya Jhamwar	20261A1401	Project Management:The Basics For Success	UCI	5-4-2023	Participation
28	Sameeksha	20261A1416	Robotics Classes	Y E Robotics Academy, Hyd	2023-2024	Participation

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29	K Manisha	20261A1417	Internship	7s Technologies	01-09-2023 to 18-11-2023	Participation
30	Mesram Shubham	20261A1426	Remark Skill Technical	IIT, Hyderabad	23-09-2023 to 24-09-2023	Participation
31	Nimma Shreya Reddy	20261A1429	Core Java Training	Internshala Trainings	4-03-2023	Participation
32	Vaishnavi	20261A1445	Intensive Live Workshop On	Vcadd Engg Solutions	4-2-2024	Participation
33	Meesala Mounika	21265A1404	Pursued The Course In Cnc	CITD	3-4-2023	Participation
34	K Manisha	20261A1417	Internship	7s Technologies	01-09-2023-18-11-2023	Participation
35	Pokala Gokul	20261A1433	Training In Solidworks	Intershala Trainings	9-8-2023	Participation
36	M.Bharani	20261A1435	Robotics Classes	Young Engineer	2023-2024	Participation
37	Mohammed Zaid	24261A1440	Robotics Classes	Young Engineer	2023-2024	Participation
38	M.Akshith Kumar	24261A1441	Robotics Classes	Young Engineer	2023-2024	Participation
39	Mohammed Khaza	24261A1439	Robotics Classes	Young Engineer	2023-2024	Participation
40	Manasvi Gudey	24261A1407	Robotics Classes	Young Engineer	2023-2024	Participation
41	Narva Thanush	24261A1446	Robotics Classes	Young Engineer	2023-2024	Participation
42	Aditya	20261A1401	PAPER PRESENTATI	Mgit, Hyd	21-03-2024	Participation
43	Harsha	20261A1404	PAPER PRESENTATI	Mgit, Hyd	21-03-2024	Participation
44	Harsha	20261A1404	PULSE PITCH	Mgit, Hyd	21-03-2024	Participation
45	Harsha	20261A1404	PAPER PRESENTATI	Mgit, Hyd	21-03-2024	Participation
46	Harsha	20261A1404	Whisper Challenge	Mgit, Hyd	21-03-2024	Participation
47	Mariya	20261A1424	PAPER PRESENTATI	Mgit, Hyd	21-03-2024	Participation
48	Abhiram Koka	21261A1401	PICTIONARY	Mgit, Hyd	21-03-2024	Participation

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49	D Ajay Raj	21261A1413	PULSE PITCH	Mgit, Hyd	21-03-2024	Participation
50	Phani	21261A1411	Electronics Workshop	Mgit, Hyd	11-10-2023	Participation
51	K. Bindu	21261A1422	Poster Presentation	Mgit, Hyd	27-2-2024	Participation
52	Mohammad Safiuddin	21261A1427	Robotic classes	Young Engineer	2023-24	Participation
53	M. Harshavardh	21261A1428	Poster Presentation	Mgit, Hyd	27-2-2024	Participation
54	M. Harshavardh	21261A1428	Robotic classes	Young Engineer	2023-24	Participation
55	P. Rahul	21261A1429	Electronics Workshop	Mgit, Hyd	11-10-2023	Participation
56	P. Om Sai	21261A1430	Electronics Workshop	Mgit, Hyd	11-10-2023	Participation
57	Sri V.K.Durga	21261A1438	Robotic classes	Young Engineer	2023-24	Participation
58	T. Brundha Reddy	21261A1441	lot With Robotics	Bits Pilani and ATMOS	4-11-2023 to 5-11-2023	Participation
59	T. Brundha Reddy	21261A1441	Challenge Aci-	Griet	6-10-2023 to 8-10-2023	Participation
60	Rahman Shaik Gunjuri	22265A1401	Robotic classes	Young Engineer	2023-24	Participation
61	Bala Venkat Shiva	22265A1404	lot With Robotics	Bits Pilani and ATMOS	4-11-2023 to 5-11-2023	Participation
62	Yella Shyam Babu	22265A1409	Power Bi Workshop	Office Master	3/9/2025	Participation
63	M Harsha Vardhan	21261A1428	Obstacle Course	Mgit, Hyd	21-03-2024	Participation
64	Rajputh Anudeep	21261A1433	Anime Quiz, TECHNOVAT	Mgit, Hyd	21-03-2024	Participation
65	Sambari Aryan Kumar	21261A1435	Anime Quiz, TECHNOVAT	Mgit, Hyd	21-03-2024	Participation
66	Siddharth	21261A1437	Anime Quiz,	Mgit, Hyd	21-03-2024	Participation
67	Mounika	21265A1404	PAPER PRESENTATION	Mgit, Hyd	21-03-2024	Participation
68	Mounica	21265A1404	Obstacle Course	Mgit, Hyd	21-03-2024	Participation
69	Aayush Sharma	22261A1402	PULSE PITCH	Mgit, Hyd	21-03-2024	Participation

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70	Askar Abbas	22261A1406	ROBO MAZE	Mgit, Hyd	21-03-2024	Participation
71	Sanjay	22261A1412	Obstacle Course	Mgit, Hyd	21-03-2024	Volunteer
72	Rahul Reddy	22261A1420	Robo	Mgit, Hyd	21-03-2024	Participation
73	Rahul Reddy	22261A1420	Maze, TECHN Anime Quiz, TECHNOVATI	Mgit, Hyd	21-03-2024	Participation
74	RAHUL REDDY	22261A1420	PICTIONARY, TECHNOVATI	Mgit, Hyd	21-03-2024	Participation
75	Rahul Reddy	22261A1420	Whisper Challenge,	Mgit, Hyd	21-03-2024	Participation
76	Rahul Reddy	22261A1420	ROBO MAZE	Mgit, Hyd	21-03-2024	Participation
77	Rahul Reddy	22261A1420	ANIME QUIZ	Mgit, Hyd	21-03-2024	Participation
78	Rahul Reddy	22261A1420	PICTIONARY	Mgit, Hyd	21-03-2024	Participation
79	Rahul Reddy	22261A1420	Whisper Challenge	Mgit, Hyd	21-03-2024	Participation
80	Maanav Nemkar	22261A1422	ANIME QUIZ	Mgit, Hyd	21-03-2024	Participation
81	Maanav Neemkar	22261A1422	Whisper Challenge	Mgit, Hyd	21-03-2024	Volunteer
82	Aakash Patel	22261A1429	Whisper Challenge	Mgit, Hyd	21-03-2024	Participation
83	Akash	22261A1429	PULSE PITCH	Mgit, Hyd	21-03-2024	Volunteer
84	Ruchitha	22261A1430	PICTIONARY	Mgit, Hyd	21-03-2024	Participation
85	Sri Harshini Ramani	22261A1433	ANIME QUIZ	Mgit, Hyd	21-03-2024	Participation
86	Nihal	22261A1436	ROBOT MAZE	Mgit, Hyd	21-03-2024	Volunteer
87	Lydia Roseylin	22261A1437	ANIME QUIZ	Mgit, Hyd	21-03-2024	Participation
88	Lydia Roseylin	22261A1437	PICTIONARY	Mgit, Hyd	21-03-2024	Participation
89	Ishika	23261A1410	Whisper Challenge,	Mgit, Hyd	21-03-2024	Participation
90	Ishika	23261A1410	PICTIONARY	Mgit, Hyd	21-03-2024	Participation

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91	Ishika	23261A1410	Obstacle Course	Mgit, Hyd	21-03-2024	Participation
92	Nithya	23261A1436	PICTIONARY	Mgit, Hyd	21-03-2024	Volunteer
93	Kruthika	23265A1403	PAPER PRESENTATION	Mgit, Hyd	21-03-2024	Volunteer
94	Megaunth Sai	23265A1405	ANIME QUIZ	Mgit, Hyd	21-03-2024	Volunteer
95	D Kaavya sree	24261A1416	ROBO MAZE	Mgit, Hyd	21-03-2024	Participation
96	Harshita Mohite	24261A1424	ROBO MAZE	Mgit, Hyd	21-03-2024	Participation
97	Sai Ganesh Palnati	24261A1448	PULSE PITCH	Mgit, Hyd	21-03-2024	Participation
98	D Kareemulla	20261A0408	Design And Fabrication	Indian Institution Of	1-3-2024	Publication
99	K Sai Charan	20261A1419	Design And Fabrication	Indian Institution Of	1-3-2024	Publication
100	P.Sayad Gafoor	22261A1427	Technovation	Mgit, Hyd	20-04-2023	Appreciation
101	P.Sayad Gafoor	22261A1427	Blooddonation	Aaraadhya blood centre	13-12-2023	Appreciation
102	D Kaavya sree	24261A1416	ROBO MAZE	Mgit, Hyd	21-03-2024	Participation
103	Harshita Mohite	24261A1424	ROBO MAZE	Mgit, Hyd	21-03-2024	Participation
104	Sai Ganesh Palnati	24261A1448	PULSE PITCH	Mgit, Hyd	21-03-2024	Participation

MECHATRONICS NEWSLETTER

TECHNOVATION'24

Technovation is the technical fest conducted by Department of Mechatronics every year. This edition was conducted on 21 March, 2024 on the college campus. Many technical and non-technical events were held such as Auto Quiz, Project expo, Paper Presentation, Poster Presentation, PLC Programming workshop and Robotics Workshop. Convener - Dr. K. Sudhakar Reddy - HOD, Mechanical (Mechatronics) Engineering



Event Highlights:

As part of Technovation, a diverse lineup of programs was conducted to cater to both academic and skill-based interests. The Paper, Poster, and Project Presentation sessions allowed participants to articulate their research and design ideas in structured formats, promoting analytical thinking and effective communication. The Auto Quiz challenged students with domain-specific questions, fostering competitive spirit and reinforcing core mechanical concepts.

Meanwhile, the Project Expo provided a space for live demonstrations of student-built models, drawing attention to innovation and functionality. Hands-on learning was further emphasized through the Robotics and PLC Workshops, where participants engaged with automation technologies and control systems under expert guidance. These sessions enabled practical exposure to emerging tools and industrial applications. To round off the experience, Pulse Pitch was conducted as a platform for concise idea presentation, encouraging clarity, confidence, and persuasive delivery. Each event contributed to the overarching goal of Technovation—bridging theory with practice and celebrating student ingenuity.

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INDIA DESIGN WEEK



The main objective of the event is to ignite the creativity from the young minds in the area of Design Thinking, Product Design & Advance Simulation using Autodesk Fusion 360 software. ICT Academy will host the direct workshop on Fusion 360 where students from their places will connect to the Experts either in person or online mode for Day 1, Day2 , Day 3, later through a Video conferencing tool to learn and explore about Product Design Engineering. The student should meet the Pre-requisite. Students must ensure to complete the courses given by the trainers and participate the Day 3 for inter college competition to select the TOP Teams to participate for IDW 2024.



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The Department of Mechanical Engineering successfully hosted a hands-on Fusion 360 3D Printing Workshop during Technovation'24. The event guided participants through the complete design-to-prototype pipeline. The workshop covered everything from creating complex 3D models from scratch in Fusion 360 to understanding the core principles and operation of 3D printing technology. It was a highly interactive session, and the response from students was overwhelming, filling the B-Block venue.



Some of the key topics and skills covered were:

- What is the difference between a 'body' and a 'component'?
- How to fully define a 2D sketch using parametric constraints.
- Expand FDM (Fused Deposition Modeling).
- What is the purpose of 'slicing' a model and 'infill' in 3D printing?
- What is the difference between direct modeling and parametric modeling?
- How do you use 'joints' to create a functional assembly in Fusion 360?

MECHATRONICS NEWSLETTER

Robotics Club 2023-24



Robotics workshop was conducted on 19th March 2024 as a part of Technovation-2K24 by Robotics club, Mechanical Engineering (Mechatronics), MGIT. It is a robotic training program conducted by young Engineers Robotic Academy in a view to encourage learners to gear up for Hackathons in future. The program took place with a participant strength of 42, 11 faculty members and 5 student organizers counting to total 58. The program started with challenging three levels of tasks to the participants.



Projects were assigned to students based on structure, Automation and based on micro-controllers.

Participants enthusiastically engaged and competitively projected their creative skills. All participants were given participation certificates from the Young Engineers Robotic Academy.

The Workshop created a huge scope to practice problem solving and critical thinking. Students acquired hands on knowledge of building robots physically based on the application given and learnt interfacing with microcontrollers and other components.

Md. Abdul Bari, Founder Young Engineer Robotics Academy, Mohammed Khaja- Trainer, are the speakers of this event. Their root idea is to impose STEM (Science, Technology, Engineering and Mathematics) among students. Young Engineer Robotics Academy has a vision to impart Robotics training to students and has been training many students inside various educational Institutions.



MECHATRONICS NEWSLETTER

Industrial Visits

S.NO	NAME OF THE COMPANY	VISIT DATE	NO. OF STUDENTS VISITED
01.	M/S. Triveni Industries (P) Ltd.	19/08/2023	49
02.	M/S. Rajeshwari Industries	19/08/2023	49
03.	M/S. Mahindra and Mahindra Automotive (D) LTD, Zaheerabad	29/08/2023	58
04.	M/S. Mahindra and Mahindra Automotive (D) LTD, Zaheerabad	9/11/2023	62

M/S. Mahindra and Mahindra Automotive (D) LTD, Zaheerabad

An industrial visit to Mahindra & Mahindra Ltd., located at Mahindra Nagar, Zahirabad, Telangana, was organized for the students of Mechatronics/ Mechanical Engineering, IV Year, VII Mahatma Gandhi Institute of Technology. The visit was coordinated under the supervision of faculty members Mr. D. Kameswara Rao, Ms. K. Sirisha, Mr. B. Rama Krishna, and Mr. K.S. Santhosh (Assistant Professors). The facility, which specializes in the assembly of commercial utility vehicles, was segmented into four major operational blocks: Engine Shop, Job Shop, Painting Unit, and Storage Block.



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Through this visit, students were exposed to real-time industrial practices, enabling them to witness the integration of pneumatic and hydraulic systems, automated robotics, and quality control mechanisms. The experience provided valuable insights into the application of theoretical concepts in a practical setting, bridging the gap between academic learning and industrial expectations. Students including Rohit Pathan, Brunda, Vaishnavi reported enhanced understanding of assembly line operations, component testing procedures, and the role of automation in modern manufacturing. Post- visit discussions were conducted to consolidate observations and encourage further exploration of industry-relevant technologies. The visit served as a vital step in fostering career preparedness, professional networking, and a deeper appreciation of evolving industrial dynamics.



Students interaction with Technical manager during company visit on 29/8/23 M/s Mahindra & Mahindra Automotive (D) Ltd, Zaheerabad



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M/S. Rajeshwari Industries:

An industrial visit to M/s Rajeshwari Industries, Kukatpally, was organized for IV Year, VII Semester Mechatronics students of Mahatma Gandhi Institute of Technology. Under faculty supervision, students toured production units and R&D facilities, interacted with professionals, and participated in Q&A and networking sessions. The visit provided practical exposure to manufacturing processes, bridging academic concepts with industrial applications. Safety protocols were followed, and post-visit reflections were conducted to consolidate learning and enhance career preparedness.



M/S. Triveni Industries (P) Ltd.

An industrial visit to M/s Triveni Industries (P) Ltd., located in Gandhi Nagar Industrial Area, Balanagar, Hyderabad, was organized for students of Mahatma Gandhi Institute of Technology. Under the supervision of Mr. D. Kameswara Rao, Ms. K. Shirisha, and Mr. G. Srinivasulu Reddy (Assistant Professors), students were guided through production units, laboratories, and R&D facilities. The visit offered insights into multifunctional systems developed for naval applications, with interactive sessions, Q&A, and networking opportunities. Practical exposure to industrial processes, technological advancements, and real-time operations helped bridge the gap between academic learning and industry expectations. Safety protocols were followed, and post-visit reflections were conducted to consolidate learning and enhance career preparedness.



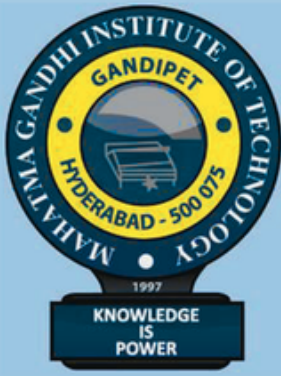
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STUDENT PLACEMENTS

S.No.	Name of the student	Enrollment No.	Employee Name
1	ADITYA JHAMWAR	20261A1401	M/s Grok Drones India Pvt Ltd, Hyderabad
2	ALETI SATHWIK CHANDRA	20261A1402	M/s NF H-Bolts Robotics Private Ltd, Hyderabad
3	R RAHUL CHARY	20261A1437	M/s Nerv Industries Private Ltd, Hyderabad
4	ANNALDAS HARSHAVARDHAN	20261A1404	M/s Wozart Technologies Pvt Ltd, Hyderabad
5	DODDI MANOJ KUMAR	20261A1407	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
6	DUDEKULA KAREEMULLA	20261A1408	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
7	GUNTUPALLI DANUSH	20261A1411	M/s Meraki Organisation, Hyderabad
8	JALADHI VEERENDER	20261A1413	M/s Bharat Dynamics Limited, Sangareddy, Hyd
9	KONDA SAI CHARAN	20261A1419	M/s IZI Ventures Pvt Ltd, Madhya Pradesh
10	K DHIREN CHANDU SAI	20261A1421	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
11	MITTA SRINIVAS	20261A1427	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
12	M VEDARSH REDDY	20261A1428	M/s TM2 Space Technologies, Hyderabad
13	PADIRA VINAY REDDY	20261A1431	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
14	SUTRAVEY TEJOVARDHAN	20261A1444	M/s Vaanr Technologies, Hyderabad
15	SANDEEP K	20261A1439	M/s Bigzero Technology, Pune
16	SARDAR HARJINDER SINGH	20261A1440	M/s Amazon Development Centre(India) Pvt Ltd, Hyderabad

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17	TALAKOLA VAISHNAVI	20261A1445	M/s Satyam Venture Engineering Services Pvt Ltd, Hyderabad
18	VEERAPANENI YUGENDHAR CHOWDARY	20261A1449	M/s Global Aluminium Pvt Ltd, Hyderabad
19	K SAHIT	21265A1401	M/s Mahindra & Mahindra , Nazik
20	KOYADA SAIVARUN	21265A1403	M/s Global Aluminium Pvt Ltd, Hyderabad



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