

2024-25

MECHATRONICS

NEWSLETTER

MAGISTECH - 2024

GUEST LECTURE ON
INDIA DESIGN WEEK 2.0

TECHNICAL SYMPOSIUM
TECHNOVATION

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (A)
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, 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 (PEO's)

- 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 (PSO's)

- 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. 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 PhD holders and 20 faculty members pursuing their PhD 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, and 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 a 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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FACULTY PUBLICATIONS

- Application of Solid Lubrication and Evaluation of its Performance in Turning of Nano Particle Embedded Aluminum Metal Matrix Composites Published in International Journal of Vehicle Structures and Systems Vol 16 no 6 (2024) 1955-2505 Dr. G. Chandra Mohan Reddy.
- Thermal and phase change characteristics of organic phase change material enhanced by carbonaceous materials published in Journal of thermal analysis and Calorimetry 12th march 2025, Springer publications by Dr. K. Sudhakar Reddy.
- Experimental Investigation of Nano alumina-sunflower Oil Fluid as Cutting Fluid in Machining Process published in Journal of Environmental Nanotechnology Volume 14, No 1 (2025) pp. 425-432 2319-5541 by Dr. G. Chandra Mohan Reddy
- PV panel thermal management under outdoor conditions published in Engineering and Technology (IJIRSET) Volume 25, Issue 6, 2025, PAGE 13 0391-6715 by Dr. K. Sudhakar Reddy.
- Investigation on Al-SiC-MWCNT Metal Matrix Composite Using Solid Lubricant, Ceramic Coated and Cryogenic Cutting Conditions in Turning Process published in Archives of Metallurgy Materials 2300-1909 by Dr G. Chandra Mohan Reddy
- Design and Fabrication of Automated Accumulator for Waste Management published in International Journal for Research in Applied Science & Engineering Technology Volume 12, Issue VII, July 2024 2321-9653 by Dr. K. Sudhakar Reddy.
- Improved electrical properties of Ba_{1-x}Ca_xCe_{0.8}Nd_{0.2}O_{3-δ} solid oxide fuel cells published in Inorganic Chemistry Communications, Vol. 169 (2024) by Dr. K Ankamma.
- A Comparative Analysis of Single and Multi-objective Process Parameter Optimization of Dissimilar Metal Friction Welds Journal of Physics: Conference Series 2837 (2024) 012076, 1742-6596 by Dr. P Venkata Ramana.
- CFD Analysis on Air Conditioning Effect using K-Omega Model published in International Journal for Research in Applied Science & Engineering Technology Volume 13, Issue II, Pp.366-378, Feb 2025, ISSN: 2321-9653 by Dr.S. Madhava Reddy.
- Design and Fabrication of Portable Oxygen Ventilator published in Bulletin for Technology and History Journal Volume 25, Issue 2, 13th Feb 2025, ISSN: 0391-6715 by Dr. S. Madhava Reddy.
- Design and Fabrication of Omni Directional Turbine published in International Journal of Research Publication and Reviews Vol.6, Issue 5, Pp.15282-15288, ISSN: 2582-7421 by Dr. S.Madhava Reddy
- . CFD Analysis of Air Conditioning Effect in Office Chamber using ANSYS published in Organization Development Journal, Volume 12, Issue 8 August 2024, 0889-6402 by Dr. S. Madhava Reddy.

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- A critical insight into the use of EDM for machining advanced ceramic composites – a review published in *An International Journal of Machining Science and Technology* Published on 13.06.2025, PP: 1-25, ISSN: 1091-0344 by Dr. S. Madhava Reddy.
- Design and Fabrication of Automated Accumulator for Waste Management published in *International Journal for Research in Applied Science & Engineering Technology* Volume 12, Issue VII, July 2024, 2321-9653, by Dr. S. Madhava Reddy
- Application of Machine Learning Based Algorithm to Predict Performance of Turning Al–SiC–MWCNT Using Cryogenically Treated Textured Insert, accepted for publication in *Hybrid Advances*, ISSN: 2773–207X. By G. Chandra Mohan Reddy.
- Meditation Beyond Mindfulness: The Role of Brahmakumaris Rajyoga in Psychological Wellness, *International Journal of Multidisciplinary Research*, Volume 17, Issue 5(1), May 2025, pp. 257–259, ISSN 2321–4866, by Vaduguri Madhalavi and V. V. N. Satya Suresh.
- A Comparative Analysis of Single and Multi-objective Process Parameter Optimization of Dissimilar Metal Friction Welds, *Journal of Physics: Conference Series*, Volume 2837, (2024), pp. 012076, ISSN 1742–6596, by Prathyusha M., Venkat RamanaP., and Prasanthi G.
- . Optimization of Injection Moulding Process Parameters for Disposable Specimen Collection Containers, *International Journal for Research in Applied Science and Engineering Technology*, Volume 13, Issue V, May 2025, pp. 256–264, ISSN 2321–9653, by Ajay Kumar and R. Uday Kumar.
- Experimental investigations and optimization of process parameter through high speed hard turning process on C45 steel published in *AIP Conference Proceedings* Vol.3306, Issue 1, 07005(5th June 2025) by Dr. S. Madhava Reddy.
- Investigation on the Mechanical and Tribological Properties of AA6063 Hybrid Metal Matrix Composites and Optimization of Wear and Friction Behaviour by Taguchi Method published in *Advanced Materials Processing and Characterization Technology*, ICPCM 2023. Springer Book chapter: *Proceedings in Materials*, vol 2. Springer, Singapore, Published 12 August 2025, ISBN: 978-981-96-4631-9 by Dr. S. Madhava Reddy.
- Evaluation of Mechanical Properties of Blended PVC Over Virgin PVC Used in Injection Blow Moulding Process, *Industrial Engineering Journal*, Volume 53, Issue 9, September 2024, ISSN 0970–2555, by B. Govinda Reddy..
- Meditation Beyond Mindfulness: The Role of Brahmakumaris Rajyoga in Psychological Wellness, *International Journal of Multidisciplinary Research*, Volume 17, Issue 5(1), May 2025, pp. 257–259, ISSN 2321–4866, by Vaduguri Madhalavi and V. V. N. Satya Suresh.
- A Comparative Analysis of Single and Multi-objective Process Parameter Optimization of Dissimilar Metal Friction Welds, *Journal of Physics: Conference Series*, Volume 2837 (2024), pp. 012076, ISSN 1742–6596, by Prathyusha M., VenkataRamanaP., and Prasanthi G.

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- Numerical Investigation of MWCNT/ZNO Hybrid Nano-Fluid Heat Performance of a Counter Flow Heat Exchanger, *Journal of Mechanics of Continua and Mathematical Sciences*, Volume 20, Issue 2, 2024, pp. 136–153, ISSN 2454–7190, by G. Sreenivasa Reddy and P. Mahesh Babu.
- Performance Assessment of Nano-Enhanced Graphene PCM Embedded Aluminium Metal Matrix Composite, *Applied Thermal Engineering*, Volume 15, Issue 9, September 2024, by K. Sai Krupa Santosh.
- Investigating the Impact of Diethyl Ether (DEE) Additive on the Performance and Emission Characteristics of a Common Rail Direct Injection (CRDI) Diesel Engine Utilizing Diesel and Cotton Seed Oil Blends, *Nanotechnology Perceptions*, Volume 23, 2024, ISSN 1660–6795, by B. Ramakrishna and P. Usha Sri.
- Effect of Fiber Loading on the Mechanical, Thermal, and Physical Properties of Natural Composites in Applications of Packaging, *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, October 2024, ISSN 0954–4089, by Rakesh Kumar Gunda
- Research Fronts – Active Fields: Leading Countries, *European Congress on Applied Science and Engineering, C2P Forum*, April 25, 2025, Paris, France, by Dr. P. Srinivasa Rao (Distinguished Speaker).
- Synthesis of multi-position 3-PRS Manipulator Based on Spherical Constraints by Eliminating the PARA, *Peers Alley Media 2024, Scientific Program, Nano Intellects 2024 & Advanced Physics 2024*, September 20, 2024, by Srinivasa Rao Pundru.
- Fabrication and Development of a 4-DOF Robot Arm, *International Journal of Innovative Research in Science and Engineering*, Volume 16, Issue 6, June 2025, by Arya Patel and Abishek Reddy.
- Dynamic Speed Management Enhancing Traffic Safety with Adaptive Speed Breaker, *International Journal on Advanced Engineering Hub (IJRAEH)*, Volume 13, 2024, ISSN 2584–2137, by B. Ramakrishna and P. Usha Sri.
- Evaluation of Static and Dynamic Mechanical Performance of Builds Manufactured by Selective Laser Melting Under Various Torque Conditions for High- Performance Applications, *Journal of Characterization*, Volume 5, Issue 2, May 2025, pp. 61–72, ISSN 2757–9166, by M. Yadi Reddy, Mudda Nirish, and Drugan Samandaka.
- Investigation of the Wear Behaviour of Electrostatically Coated CN Nano- Composite Compared with Uncoated Dry and MQSL Environmental Conditions, *Recent Advances in Mechanical Engineering / Modern Mechanical Engineering*, In Press, 2024, ISSN 2195–4369, by Rakesh Kumar Gunda.
- Research Fronts – Active Fields: Leading Countries, *The ICONIC Meetings on “International Experts Summit on Aerospace and Aeronautics Engineering”*, May 26–28, 2025, Valencia, Spain, by Dr. P. Srinivasa Rao (Plenary Speaker).
- Evaluation of Mechanical Properties Blended PVC Over Virgin PVC Used in Injection Blow Moulding Process published in *Industrial Engineering Journal* Volume-53, Issue-9, Sept & 2024, 0970-2555 by K Santosh Kumar, P Shashidhar, P Meghana, B Govinda Reddy, K S Santhosh, G Kirthana Yada

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- Stealth Propulsion System to Marine Vessels: Design, Analysis, and Fabrication, *Organisation Development Journal*, Volume 12, Issue 7, 2024, pp. 61–69, ISSN 0889–6402, by K. Srisaila and Sasi Dangeeti.
- Experimental Investigation on Mechanical Behaviour of 3D-Printed Part for Brake Pedal Applications, *Archives of Metallurgy and Materials*, Volume 70, Issue 1, 2025, ISSN 1734–7440, by T. Niranjana, B. Siva Ganesh, and K. Perumal.
- Performance Optimization of ECM Parameters for Palladium-Coated Tool Electrodes Using Multi-Criteria Decision Analysis Method, *Chemical Industry and Chemical Engineering Quarterly*, May 2025, pp. 25–35, by T. Niranjana, A. N. S. C. Bose, and G. S. Kanadasan.
- Development of Drones for Healthcare Applications, *Robotics and Automation in Healthcare*, 2024, pp. 75–83, ISBN 9781–3442–491, by T. Niranjana, A. Gokul, and R. Thanigai Velan.
- Assessing Additive Manufacturing Techniques for Polymer and Metal Matrix Composites in Aerospace Applications, *The Indian Institute of Metals Transactions (IIMT)*, May 2025, pp. 78–82, ISSN 0971–458X, by K. Santosh Kumar, A. Arun Kuttan, and B. Thoke Rasu.
- Synthesis of multi-position 3-PRS Manipulator Based on Spherical Constraints by Eliminating the PARA, *Advanced Physics: Applications and Scientific Innovations 2024*, September 20, 2024, Peers Alley Media 2024, Venue: Canada, by Dr. P. Srinivasa Rao.
- Optimization of Injection Moulding Process Parameters for Disposable Specimen Collection Containers, *IJRASET*, Volume 13, Issue V, May 2025, pp. 256–264, ISSN 2321–9653, by M. S. Ajay Kumar.
- Optimization of Friction Stir Welding Process Parameters for Joining of 3D Printed Specimens, *Materials and Manufacturing Processes*, 2025, pp. 279–284, ISBN 978–981–99–3164–3, by T. Niranjana, B. Siva Ganesh, and C. Divya.
- Experimental Investigation of Degradation in Marine Environment of FDM-Based 3D Printed Specimens, *International Journal of Lightweight Materials and Manufacture*, August 19, 2025, ISSN 2589–7225, by T. Niranjana, P. Lasrivanky, K. Sreenivasulu.
- Evaluation of Mechanical Properties of Blended PVC Over Virgin PVC Used in Injection Blow Moulding Process, *Industrial Engineering Journal*, Volume 53, Issue 9, September 2024, ISSN 0970–2555, by P. Meghana, P. Shashidhar, and B. Govinda Reddy.
- Modelling and Fabrication of Creel Stand for Filament Winding Machine, *International Scientific Journal of Engineering and Management (IJSEM)*, Volume 4, Issue 5, May 2025, pp. 122–126, ISSN 2583–6129, by P. Shashidhar, M. D. Saquib Zayana, and M. Prasanth.
- Design and Fabrication of Non-Woven Needle Punching Machine, *Industrial Engineering Journal*, Volume 53, Issue 9, September 2024, ISSN 0970–2555, by K. Santosh Kumar and P. Shashidhar.
- Research Fronts – Active Fields: Leading Countries, *Appl SciMeet 2025, SYNOPSIS “European Meeting on Applied Science and Engineering”*, April 14–15, 2025, Berlin, Germany, by Dr. P. Srinivasa Rao (Virtual Speaker).
- Research Fronts – Active Fields: Leading Countries, *European Congress on Applied Science and Engineering, C2P Forum*, April 25, 2025, Paris, France, by Dr. P. Srinivasa Rao (Distinguished Speaker).

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- Modelling & Design of a Hybrid Quadruped Leg System, *2nd International Conference on Contemporary Issues in Science, Engineering & Technology (ICCISSET-2K25)*, May 23, 2025, Aditya College of Engineering, A.P., pp. 369–372, ISBN: 978-93-342-6219-3, by Dr. S. Madhava Reddy
- Research Fronts – Active Fields: Leading Countries, *The ICONIC Meetings on “International Experts Summit on Aerospace and Aeronautics Engineering”*, May 26–28, 2025, Valencia, Spain, by Dr. P. Srinivasa Rao (Plenary Speaker).
- Synthesis of multi-position 3-PRS Manipulator Based on Spherical Constraints by Eliminating the PARA, *Peers Alley Media 2024, Scientific Program, Nano Intellects 2024 & Advanced Physics 2024*, September 20, 2024, by Srinivasa Rao Pundru.
- Modelling & Design of a Hybrid Quadruped Leg System, *2nd International Conference on Contemporary Issues in Science, Engineering & Technology (ICCISSET-2K25)*, May 23, 2025, Aditya College of Engineering, A.P., pp. 369–372, ISBN: 978-93-342-6219-3, by Dr. S. Madhava Reddy.
- Intelligent Moving Robot Used to Acquire Data from Radiation Areas, *2nd International Conference on Contemporary Issues in Science, Engineering & Technology (ICCISSET-2K25)*, May 23, 2025, Aditya College of Engineering, A.P., pp. 369–372, ISBN: 978-93-342-6219-3, by Dr. S. Madhava Reddy.
- Synthesis of multi-position 3-PRS Manipulator Based on Spherical Constraints by Eliminating the PARA, *Advanced Physics: Applications and Scientific Innovations 2024*, September 20, 2024, Peers Alley Media 2024, Venue: Canada, by Dr. P. Srinivasa Rao.
- Research Fronts – Active Fields: Leading Countries, *Appl SciMeet 2025, SYNOPSIS “European Meeting on Applied Science and Engineering”*, April 14–15, 2025, Berlin, Germany, by Dr. P. Srinivasa Rao (Virtual Speaker).
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FACULTY ACHIEVEMENTS

S.No	DATE	NAME OF THE FACULTY	TITLE OF THE AWARD	NAME OF THE ORGANIZATION	VENUE
1	12-02-2025	Dr. S. Madhava Reddy	ISTE Best Faculty Chapter of Telangana Section Award	ISTE	Lamrin Tech skills University, Ropar, Punjab
2	05-06-2025	Dr. P. Srinivasa Rao	Nobel Researcher Award	Scientific Laurels International Scientific Awards	Offline
3	20,21 Sept 2024	Dr. T. Niranjana	Session Chair for the Int. conference on Advanced Data driven computing and Intelligent Systems	ADCIS	Offline
4	27, 28 July 2024	Dr. T. Niranjana	Session Chair for 3rd IEEE world conference on Applied Intelligence and Computing	IEEE world conference	Offline
5	21-22 October 2024	Dr. T. Niranjana	Best Paper Award at The International Conference on Additive Manufacturing Technologies	Department of Mechanical Engineering Mahendra Institute of Technology	Namakkal, Tamil Nadu

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FACULTY DEVELOPMENT PROGRAMS

S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
1	Dr K Sudhakar Reddy, Professor & Head	2 day Wokshop on Autodesk-FUSION FUNDAMENTALS	MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days
2	Dr. P.Venkata Ramana, Professor	2 day Wokshop on Autodesk-FUSION FUNDAMENTALS	MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days
		Robotics and Industrial Automation	CBIT	4-11 to 9-11-2024	Manufacturing	6 Days
		Advances in Automotive Technology	NITTTR, Chandigarh	10-03 to 14-03 2025	Manufacturing	5 Days
3	Dr. K.Ankamma, Professor	Hybrid Machining	NITTTR, Chandigarh	17-02 to 21-02 2025	Manufacturing	5 Days
		Green Manufacturing	NITTTR, Chandigarh	24-02 to 28-02 2025	Manufacturing	5 Days
		Harnessing Virtual labs for effective Student Engagement	Lendi Institute of Engineering and Technology, AP	17-03 to 21-03 2025	Outcome based education	5 Days
		Manufacturing Process Technology I & II	NPTEL in coordination with IIT- Madras	Jan to April 2025	Course	12 weeks
		One week National Level online FDP on “Advancements in Battery Technology and Management for Sustainable E-Mobility	MGIT	16-06 to 20-06 2025	Battery Technology and Management	5 Days
4	Dr. V.V.N. Satya Suresh, Professor	2 day workshop on Autodesk-FUSION FUNDAMENTALS	MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
5	Dr. S.Madhava Reddy, Professor	Three days virtual short term course on An Introduction to Fracture Mechanics	The Indian Institute of Metals & Metallurgy and MGIT	10-06 to 12-06 2025	Mechanics	3 Days
		3rd International 5-day FDP on Sustainability and Research in Modern Mechanical Engineering	Department of Mechanical Engineering, Madanapalle Institute of Technology & Science	02-06 to 06-06 2025	Sustainability	5 Days
		NPTEL-AICTE Inspection and Quality Control in Manufacturing	Funded by the MoE, Govt. of India, IIT Madras	Jan to Feb 2025	Quality Control	4 weeks
		AICTE & ATAL 6-day FDP on Strategic Leadership in Manufacturing & Industry 4.0: Driving Innovation for Future	Dept. of School of Management Studies & Dept. Of CSE, CBIT	10-02 to 15-02 2025	Industry 4.0	One week
		One-Week Workshop on “Recent Advances in Design, Manufacturing & Testing of Composites”	CBIT, collaboration with ASL, DRDO, and ISAMPE	06-01 to 11-01 2025	Design and Manufacturing	One week
		NPTEL-AICTE Introduction to Machine Learning	Funded by the MoE, Govt. of India, IIT Madras	July to September 2024	Machine Learning	8 weeks
		AICTE Recognized FDP on “Outcome based Education and Accreditation	Curriculum Development Centr MGIT	25-11 to 29-11 2024	Outcome based education	One week

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
		One Week Online FDP on “Robotics and Industrial Automation”	CBIT	04-11 to 09-11 2024	Robotics	One week
		5 Day online FDP on “Recent Trends in Digital Manufacturing Technologies: Scope, Impact, and Applications”	GMRIT, Rajam And NIT Warangal	21-10 to 25-10 2024	Digital Manufacturing	One week
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days
		5 Day online FDP on “Sustainability and Research in Modern Mechanical Engineering”	NPTEL - AICTE SWAYAM	23-09 to 27-09 2024	Mechanical Engineering	One week
		FDP on Introduction to Machine Learning	VNR VJiet	July to September 2024	Machine Learning	8 weeks
		Innovations in Robotics and UAVs: Digital twins, Drone design and Future Trends	Department of Statistics and Mathematics, Amity University, Kolkata	30-06 to 03-07 2024	Robotics	One week
		FDP on Trends in Computational sciences	VNR VJiet	22-07 to 26-07 2024	Computational Science	One week
		One week online International FDP on Advances in Materials and Manufacturing	MGIT	15-07 to 19-07 2024	Manufacturing	One week

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
6	Dr. R.Uday Kumar, Associate Professor	2 day workshop on Autodesk-FUSION FUNDAMENTALS	MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days
		Innovations in Robotics and UAVs: Digital Twins, Drone Design, and Future Trends	VNR VJIET	30-07 to 03-08 2024	Mechanical Engineering	One week
7	B.Govinda Reddy, Assistant Professor	2 day Workshop on Autodesk-FUSION	Autodesk Authorized Academic Partner	29-10 to 30-10 2024	Mechanical Engineering	2 Days
8	Dr. K.V.Kasi Viswanadham, Assistant Professor	2 day workshop on Autodesk-FUSION FUNDAMENTALS	MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days
9	Dr.P.Srinivasa Rao, Assistant Professor	2 day workshop on Autodesk-FUSION FUNDAMENTALS	MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days
10	Dr K.C.Sabitha, Assistant Professor	One Week Online FDP on “Advancements in Battery Technology and Management for Sustainable E-Mobility”	Department of Electrical Engineering, MGIT	16-06 to 20-06 2025	Battery Technology	5 Days
		One Week Online AICTE Training and Learning Sponsored (ATAL -FDP) “Sustainable Manufacturing and Advanced Automation in Industries”	Department of Mechanical Engg., IGIT	24-02 to 1-03 2025	Manufacturing	One week

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
11	Mr.P.V.Prasad Reddy, Assistant Professor	AICTE Recognized FDP on “Outcome based Education and Accreditation Process”	NITTTR, Chandigarh and MGIT	25-11 to 29-11 2024	Outcome based education	One week
		One Week Online FDP on “Robotics and Industrial Automation”	CBIT	04-11 to 09-11 2024	Robotics	One week
		5 Day online FDP on “Recent Trends in Digital Manufacturing Technologies: Scope, Impact, and Applications”	GMRIT, Rajam And NIT Warangal	21-10 to 25-10 2024	Digital Manufacturing	One week
		5 Day online FDP on “Sustainability and Research in Modern Mechanical Engineering”	Department of Mechanical Engineering MITS	23-09 to 27-09 2024	Mechanical Engineering	5 Days
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days
		FDP on Sustainable Energy Transition through phase Changing Materials (PCMs)	Department of Mechanical Engineering, Murugappa Polytechnic College	27-01 to 31-01 2025	Mechanical Engineering	5 days
12	Dr M. Pratyusha, Assistant Professor	Recent Advancements in Mechanical Engineering & Its Applications”	Swarnandhra College of Engineering & Technology	21-04 to 26-04 2025	Mechanical Engineering	one week
		Harnessing Virtual Labs for Effective Student Engagement	Dept of Mechanical Engineering, LIET	17-03 to 21-03 2025	Virtual Labs	5 days
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering	29-10 to 30-10 2024	Mechanical Engineering	2 days

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
13	Ms.B.Haritha Reddy, Assistant Professor	2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
14	Dr.G. Sreenivasulu Reddy, Assistant Professor	One week ATAL FDP on Emerging Technologies in Optimizing Renewable Energy Systems with Smart Materials and Storage Solutions	University College of Engineering Kakinada, JNTUK, AP	20-01 to 25-01 2025	Renewable Energy Sources	one week
		One Week Online FDP on “Robotics and Industrial Automation”	Department of Mechanical Engineering CBIT(A), Gandipet, Hyderabad	04-11 to 9-11 2025	Robotics	one week
15	Dr. D Kameswara Rao, Assistant Professor	One week fdp Advanced ANSYS Mechanical Software	Ark and CBIT	25-11 to 29-11 2024	Simulation	5 days
		2 day workshop on Autodesk-Fusion fundamentals	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
		Technological Advancement in Synthesis of Novel Materials	Chaitanya Bharathi Institute of Technology	05-08 to 10-08 2024	Materials	one week
16	Mr. K Sarupya Santhosh, Assistant Professor	One Week Online FDP on “Robotics and Industrial Automation”	Department of Mechanical Engineering CBIT	04-11 to 9-11 2024	Robotics	one week
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
		Recent Trends in Digital Manufacturing Technologies	GMRIT, Rajam, and NIT, Warangal	21-10 to 25-10 2024	Digital Manufacturing	5 days

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
		AICTE Recognized FDP on “Outcome based Education and Accreditation Process”	Curriculum Development Centre Department, NITTTR, Chandigarh and MGIT	25-11 to 29-11 2024	Outcome based Education	5 days
		Advances in Thermal Engineering and their Applications	Malaviya Mission Teacher Training Centre (UGC-MMTTC) and JNTUH	20-01 to 1-02 2025	Thermal Systems	10 days
17	Dr. B Ramakrishna, Assistant Professor	Optimizing Renewable Energy Systems with Smart Materials and Storage Solutions	Organized by University College of Engineering Kakinada	20-01 to 25-01 2025	Renewable Energy	5 days
		Advancements in Metal Forming Technology: Innovations, Future scope and Challenges	organized by Department of Metallurgical Engineering, OP Jindal University, Raigarh	02-12 to 6-12 2024	Materials	5 days
		Technological Advancement in Synthesis of Novel Materials	Chaitanya Bharathi Institute of Technology	05-08 to 10-08 2024	Materials	one week
		One week fdp "Advanced ANSYS Mechanical Software"	Ark Info Solutions Pvt Ltd and CBIT, Hyderabad	25-11 to 29-11 2024	Analysis	5 days
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
18	Mr K.Prudhvi Raj, Assistant Professor	2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
19	Mr. M. Yadi Reddy, Assistant Professor	2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	30-10-2024	Mechanical Engineering	one day
20	Dr. G Rakesh Kumar, Asst.Professor	AICTE Recognized FDP on “Outcome based Education and Accreditation Process”	Curriculum Development Centre Department, NITTTR, Chandigarh and MGIT	25-11 to 29-11 2024	Outcome based Education	5 days
21	Ms. K.Sirisha, Asst.Professor	Technological Advancement in Synthesis of Novel Materials	Department of Mechanical Engineering CBIT(A)	05-08 to 10-08 2024	Materials	one week
		One Week Online FDP on “Robotics and Industrial Automation”	Department of Mechanical Engineering CBIT(A)	04-11 to 09-11 2024	Robotics	one week
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
		Harnessing Virtual Labs for Effective Student Engagement	Lendi Institute of Engineering and Technology	17-03 to 21-03 2025	Outcome based education	5 days
		Level 2 laboratory training on semiconductor packaging" workshop	Central Manufacturing Technology Institute, CMTI Bengaluru	12-05 to 16-05 2025	Semiconductor chip Manufacturing	5 days
		5 Day online FDP on “Recent Trends in Digital Manufacturing Technologies: Scope, Impact, Applications”	Department of Mechanical Engineering GMRIT, and NIT, Warangal	21-10 to 25-10 2024	Digital Manufacturing	5 days

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
22	Ms. Y.V.N. Chandana, Assistant Professor	Harnessing Virtual Labs for Effective Student Engagement	Dept of Mechanical Engineering, Len di Institute of Engineering and Technology	17-03 to 21-03 2025	Outcome based education	5 days
		All India Women Academicians Conference Envisioning New Bharath	Akhil Bharthiya Rashtriya Shaikshik Mahasangh (Technical Education) in association with JNTUH	21-09-2024	Innovation & Technology	one day
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
		Recent Advances in Design, Manufacturing & Testing of Composites	Chaitanya Bharathi Institute of Technology	06-01 to 11-01 2025	Composite Materials	one week
		Module – 5: Technology Enabled Learning and Lifelong Self-Learning Sepember, 2023	NITTT-AICTE-SWAYAM	Oct to Nov 2024	Teachers Training Program	Eight Weeks
		Module – 6: Student Assessment and Evaluation	NITTT-AICTE-SWAYAM	Oct to Nov 2024	Teachers Training Program	Eight Weeks
		Module – 8: Institutional Management and Administrative Procedures	NITTT-AICTE-SWAYAM	Oct to Nov 2024	Teachers Training Program	Eight Weeks
		Module – 7: Creative Problem Solving, Innovation and Meaningful Research & Development	NITTT-AICTE-SWAYAM	Oct to Nov 2024	Teachers Training Program	Eight Weeks

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
23	Dr. T Niranjana, Assistant Professor	Metal Additive Manufacturing	NPTEL	Oct 2024	3d printing	12 weeks
		Digital Manufacturing & Design Technology	Panimalar Engineering College	09-12 to 14-12 2024	Digital manufacturing	one week
		Advanced analytics for next-generation Industrial processes	ABV-IIIITM, Gwalior	23-12 to 28-12 2024	Industry 4.0	one week
		AICTE Recognized FDP on “Outcome based Education and Accreditation Process”	Curriculum Development Centre Department, NITTTR, Chandigarh and MGIT	25-11 to 29-11 2024	OBE	5 days
		3D Printed Composites: Materials, Technologies, and Applications	Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for women	06-01 to 11-01 2025	3D Printing	one week
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
24	Ms. C. Sucharitha, Assistant Professor	Recent Advances in Design, Manufacturing & Testing of Composites	Chaitanya Bharathi Institute of Technology	06-01 to 11-01 2024	Composite Materials	one week
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
25	Mr. S. Ajay Kumar, Assistant Professor	One Week AI/ML Tools for Advanced Materials, Manufacturing and Thermal Systems (ATAMMTS-2024)	Lakireddy Bali Reddy College of Engineering, Mylavaram, NTR (Dt.), Andhra Pradesh, India	24-06 to 28-06 2024	Mechanical Engineering	one week
		Sustainability and Research in Modern Mechanical Engineering	Madanapalle Institute of Technology & Science	02-06 to 06-06 2025	Mechanical Engineering	5 days
		Advancements in Metal Forming Technology: Innovations	O.P. Jindal Univeristy, Raigarh	02-12 to 06-12 2024	Mechanical Engineering	5 days
		NPTEL AICTE FDP Automation in manufacturing	NPTEL AICTE SWAYAM	July-October 2024	Automation	12 weeks
26	Mr. P. Shashidar, Assistant Professor	One Week Online FDP on Machine drawing through auto CAD	CVR College of Engineering	30-09 to 05-10 2024	Modelling	One week
		Recent Advances in Design, Manufacturing & Testing of Composites	CBIT Hyd	06-01 to 11-01 2025	Manufacturing	One week
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
		Strategic Leadership in Manufacturing & Industry 4.0: Driving Innovation for Future	ATAL FDP, Dept of Management Science, CBIT.	10-02 to 15-02 2025	Automation	one week
		NPTEL AICTE FDP Automation in manufacturing	NPTEL AICTE SWAYAM	July-October 2024	Automation	12 weeks

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
27	Dr. K Santosh Kumar, Assistant Professor	Advanced ANSYS Mechanical Software	CBIT Hyd	25-29 November 2024	Simulation	5 days
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
		Strategic leadership in Manufacturing & Industry 4.0: Driving innovation for Future.	ATAL FDP, Dept of Management Science, CBIT.	10-02 to 15-02 2025	Automation	6 days
		Advancements in Metal Forming Technology: Innovations, Future scope and Challenges	O.P Jindal University, Raigarh.	02-12 to 05-12 2024	Manufacturing	5 days
		Advancements in Battery Technology and Management for Sustainable E-Mobility	Dept. of EEE, MGIT	16-06 to 20-06 2025	Advancement in Battery Technology	5 days
		Recent Advances in Design, Manufacturing & Testing of Composites	CBIT Hyd	06-01 to 11-01 2025	Manufacturing	6 days
		Industry Academia Connect – 1 Day Seminar – Additive Manufacturing Technologies	Siemens &, NIT Warangal	13-03-2025	Additive Manufacturing	one day

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
28	Ms. P. Meghana, Assistant Professor	Emerging Innovations and Challenges in Modern Data Analytics Applications	Department of Information Technology, MGIT.	20-01 to 25-01 2025	Data Analytics	one week
		Recent Advances in Design, Manufacturing & Testing of Composites	Department of Mechanical Engineering CBIT(A), Gandipet, Hyderabad	06-01 to 11-01 2025	Design, Manufacturing, Composites	one week
		FDP on Advanced ANSYS Mechanical Software.	CBIT	25-11 to 29-11 2024	Analysis	one week
		2 day workshop on Autodesk-FUSION Fundamentals	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
		All India Women Academicians Conference Envisioning New Bharath	Akhil Bharthiya Rashtriya Shaikshik Mahasangh (Technical Education) in association with JNTUH	21-09-2024	Innovation & Technology	one day
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
29	Ms. K. Kruthi Sharma, Assistant Professor	All India Women Academicians Conference Envisioning New Bharath	Akhila Bharthiya Rashtriya Shaikshik in association with JNTUH	21-09-2024	Innovation & Technology	one day
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 Days
30	Mr G. Ashok, Assistant Professor	NPTE Introduction to Machine Learning	NPTEL AICTE SWAYAM	July -Sept 2024	Computing	Eight Weeks

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S.No	NAME OF THE FACULTY, DESIGNATION	PROGRAM NAME	ORGANIZED BY	DATE	RELEVANT AREA	DURATION
31	Dr. Asheesh Kumar, Assistant Professor	Advanced ANSYS Mechanical Software	Department of Mechanical Engineering CBIT(A)	25-11 to 29-11 2024	Design	One Week
		One week FDP " Technology Advancement in Synthesis of Novel Materials	Department of Mechanical Engineering CBIT(A)	05-10 to 10-10 2024	Manufacturing	one week
		Advances in Materials and Manufacturing	Automobile Engineering Department, VNR VJIT	15-07 to 19-07 2024	Manufacturing	one week
		One Week Online FDP on “Robotics and Industrial Automation”	Department of Mechanical Engineering CBIT(A)	04-11 to 09-11 2024	Automation	one week
		2 day workshop on Autodesk-FUSION FUNDAMENTALS	Department of Mechanical Engineering, MGIT	29-10 to 30-10 2024	Mechanical Engineering	2 days
32	Dr. V Vijaya Bhaskar, Assistant Professor	One Week Online FDP on “Robotics and Industrial Automation”	Department of Mechanical Engineering CBIT(A)	04-11 to 09-11 2024	Automation	one week
		Advanced ANSYS Mechanical Software	Department of Mechanical Engineering CBIT(A)	25-11 to 29-11 2024	Design	one week

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CO-CURRICULAR ACHIEVEMENTS OF THE STUDENTS: ACADEMIC YEAR 2024-25

S.NO	NAME OF STUDENT	ROLL NO.	EVENT	ORGANIZED BY	DATE	PARTICIPATION
1	Bellmkonda Nakshiekth	24261A1409	Hack4SDG-United National sustainable Development Goals	AIESEC in Hyderabad-IIT Hyd	26-10-2024	Finalist
2	The Brawl	22261A1418	Runner Up For Short Film Contest	Cinevaaram 2024	16-07-2024	Achievement
3	Askar Abbas	22261A1406	PCB Designing & Assembly Workshop	Electromatrix Nanolabs Pvt, Hyd	11-03 to 12-03 2024	Completion
4	Askar Abbas	22261A1406	C Progamming Language	MHJCGC Software Solution institute & Abid Ali khan EducationalTrust	22-08 to 21-09 2024	Completion
5	Chetha Ajay	21261A1412	Solidworks Mastery	Udemy	05-01-2025	Completion
6	Rupendra Katakam	21261A1423	Robotics Drives And Physics : Robotics, Learn By Building 111	Udemy	05-05-2024	Completion
7	Pitla Bharath	21261A1432	Introduction To Modeling And Design For Manufacturing	Autodesk , Hyd	09-02-2024	Completion
8	Sri V.K.Durga Lanka	21261A1438	Product Managment	SkillUp	27-04-2025	Completion
9	Sri V.K.Durga Lanka	21261A1438	PMP Basics	SkillUp	05-02-2025	Completion
10	Sri V.K.Durga Lanka	21261A1438	Machine Learning	SkillUp	30-04-2025	Completion
11	Sri V.K.Durga Lanka	21261A1438	Agile Scrum Master	SkillUp	05-01-2025	Completion
12	Sri V.K.Durga Lanka	21261A1438	Image Recognition Using (ML)	SkillUp	27-04-2025	Completion

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S.NO	NAME OF STUDENT	ROLL NO.	EVENT	ORGANAIZED BY	DATE	PARTICIPATION
13	Sri V.K.Durga Lanka	21261A1438	Introductin To CBAP	SkillUp	05-01-2025	Completion
14	Mudhavat Harshavarshan	21261A1428	Image Recognition Using (ML)	SkillUp	27-04-2025	Completion
15	Mudhavat Harshavarshan	21261A1428	Machine Learning	SkillUp	30-04-2025	Completion
16	Mudhavat Harshavarshan	21261A1428	Business Intelligence Fundamentals	SkillUp	05-11-2025	Completion
17	Mohammed Safiuddin	21261A1427	Quadcopter Drone & UAV	IIT Hyderabad	03-08-2025	Completion
18	Abhiram Koka	21261A1401	Industrial Automation Safety Basics	Realpars	30-04-2025	Completion
19	Kadicherla Lakshmikanth Reddy	22261A1416	Learn simons PLC	Udemy	03-05-2025	Completion
20	Ramani Aakash Patel	22261A1429	Student Coordinaator In Internal Hackathon For Smart India Hackathon	MGIT, Hyd	03-08 to 04-08 2024	Coordination
21	D. Ajay Raj	21261A1413	Paper Presentation, TECHNOVATI ON-2024	MGIT, Hyd	22-11-2024	Participation
22	Harshita Mohite	24261A1424	PLC Workshop, TECHNOVATI ON	MGIT, Hyd	22-11-2024	Participation
23	R. Varun	24261A1455	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
24	D. Kaavya Sree	24261A1416	PLC Workshop, TECHNOVATI ON	MGIT, Hyd	22-11-2024	Participation
25	CNS Gargi	24261A1411	PLC Workshop, TECHNOVATI ON	MGIT, Hyd	22-11-2024	Participation
26	Sai Ganesh Palnati	24261A1448	PLC Workshop, TECHNOVATI ON	MGIT, Hyd	22-11-2024	Participation
27	Jayanth NP	24261A1445	PLC Workshop, TECHNOVATI ON	MGIT, Hyd	22-11-2024	Participation
28	Harika Nallada	24261A1442	PLC Workshop, TECHNOVATI ON	MGIT, Hyd	22-11-2024	Participation

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S.NO	NAME OF STUDENT	ROLL NO.	EVENT	ORGANAIZED BY	DATE	PARTICIPATION
29	Ramavath Varun	24261A1455	PLC Workshop, TECHNOVATION	MGIT, Hyd	22-11-2024	Participation
30	Md. Zaheeruddin	22261A1423	PLC Workshop, TECHNOVATION	MGIT, Hyd	22-11-2024	Participation
31	Anees Ur Rahman	22265A1401	PLC Workshop, TECHNOVATION	MGIT, Hyd	22-11-2024	Participation
32	Md. Sadiuddin	21261A1427	PLC Workshop, TECHNOVATION	MGIT, Hyd	22-11-2024	Participation
33	Md. Misbahuddin	21261A1426	PLC Workshop, TECHNOVATION	MGIT, Hyd	22-11-2024	Participation
34	S. Kushal	24261A1451	Auto Quiz, TECHNOVATION-2024	MGIT, Hyd	22-11-2024	Participation
35	Harshini	22261A1433	Auto Quiz, TECHNOVATION-2024	MGIT, Hyd	22-11-2024	Participation
36	T.Nethaji Srinivas	24261A1460	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
37	Manav	22261A1422	Auto Quiz, TECHNOVATION-2024	MGIT, Hyd	22-11-2024	Participation
38	B.Rishi Mourya	24261A1407	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
39	Adithya	23261A1413	Auto Quiz, TECHNOVATION-2024	MGIT, Hyd	22-11-2024	Participation
40	K.Shanmukh	23261A1412	Auto Quiz, TECHNOVATION-2024	MGIT, Hyd	22-11-2024	Participation
41	B. Manobhiram	23265A1401	Auto Quiz, TECHNOVATION-2024	MGIT, Hyd	22-11-2024	Participation
42	K Sai Pranav	24261A1430	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
43	BVS. Saranya	24261A1406	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
44	A. Naga Manjusha	24261A1403	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
45	B Nakshiketh	24261A1409	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
46	Shaik Tiuheed Pasha	24261A1459	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
47	Mohammed Zaid	24261A1440	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
48	K. Mani Sai	24261A1428	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
49	O. Rutra Gopi	24261A1417	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation

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S.NO	NAME OF STUDENT	ROLL NO.	EVENT	ORGANAIZED BY	DATE	PARTICIPATION
50	Jayanth NP	24261A1445	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
51	Manchi Bharani	24261A1435	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
52	Md. Khaja Abbasuddin	24261A1439	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
53	Akshith Kumar	24261A1441	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
54	Shahid Shareef Mohammed	24261A1432	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
55	M. Prashanth Kumar	24261A1433	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
56	Thanush Chandra	24261A1446	Robotic Workshop	MGIT, Hyd	22-11-2024	Participation
57	Aayush Sharma	22261A1402	Robo Maze	MGIT, Hyd	13-09-2024	Participation
58	Tharun mudavath	22261A1424	Robo Maze	MGIT, Hyd	13-09-2024	Participation
59	Bhoomika veluturi	23261A1455	3D Printing	MGIT, Hyd	13-09-2024	Participation
60	Manasvi Gudey	24261A1434	Hack4SDG-United National Sustainable Development Goals	AIIESEC in Hyderabad-IITH	26-10-2024	Participation
61	R.Varun	24261A1455	Robotics Classes	Young Engineer Robotics Academy	2023-2024	Participation
62	R.Varun	24261A1455	Hack4SDG-United National Sustainable Development Goals	AIIESEC in Hyderabad-IITH	26-10-2024	Participation
63	BVS Saranya	24261A1406	Delegate	GITAM MODEL UNITED NATIONS	2024-2025	Participation
64	BVS Saranya	24261A1406	20 HRS Hackathon	BITS,PILANI	09-10-2024	Participation
65	Shanmukh Sathwik	23261A1412	Autodesk-design labs	MGIT, Hyd	30-10-2024	Participation
66	Basutkar Saahil	22261A1408	Autodesk-design labs	MGIT, Hyd	31-10-2024	Participation

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S.NO	NAME OF STUDENT	ROLL NO.	EVENT	ORGANAIZED BY	DATE	PARTICIPATION
67	Akanapally MaiTeja	22261A1403	Autodesk-design labs	MGIT, Hyd	01-11-2024	Participation
68	Keerthi sri D	22261A1410	Autodesk-design labs	MGIT, Hyd	02-11-2024	Participation
69	Abdul Gafoor	22261A1427	Robotics	young engineer robotics acadamy	2023-2024	Participation
70	P.Sayad Gafoor	22261A1427	Autodesk	MGIT, Hyd	03-10-2024	Participation
71	Aakash Ramani	22261A1429	Autodesk	MGIT, Hyd	30-10-2024	Participation
72	Askar Abbas	22261A1406	Autodesk	MGIT, Hyd	30-10-2024	Participation
73	Askar Abbas	22261A1406	Paper Presentation	MGIT, Hyd	22-11-2024	Participation
74	Askar Abbas	22261A1406	Electroincs Workshop	MGIT, Hyd	11-10-2024	Participation
75	Askar Abbas	22261A1406	Internet Of Things with Robotics	Bits Pilani, Hyd	04-11 to 05-11 2024	Participation
76	Bhoomika	23261A1455	3D Printing	MGIT, Hyd	13-08 to 14-08 2024	Participation
77	Barma Rajya Laxmi	21261A1406	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13-08 to 14-08 2024	Participation
78	B Sukesh Kumar	21261A1408	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13-08 to 14-08 2024	Participation
79	B Badrinath	21261A1409	3D Printing	Magistech - 2024 At MGIT, Hyd	13-08 to 14-08 2024	Participation
80	Chetha Ajay	21261A1412	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13-08 to 14-08 2024	Participation
81	Jillela Thilak	21261A1421	2 Day Innovation And Entrepreneurship Workshop	Acic-Cbit R&E Foundation At Cbit Hyderabad	21-10-24	Participation

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S.NO	NAME OF STUDENT	ROLL NO.	EVENT	ORGANAIZED BY	DATE	PARTICIPATION
82	Kankatala Bindu	21261A1422	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13, 14-08-2024	Participation
83	K Aksharakruthi	21261A1424	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13, 14-08-2024	Participation
84	Mohammed Safiuddin	21261A1427	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13, 14-08-2024	Participation
85	Mudavath Harshavardhan	21261A1428	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13, 14-08-2024	Participation
86	Sri Venkata Kanaka Durga	21261A1438	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13, 14-08-2024	Participation
87	Aayush Sharma	22261A1402	Weekshop On Autodesk - Fusion Fundamentals	MGIT Hyderabad	30-10-2024	Participation
88	Ramani Aakash Patel	22261A1429	Workshop On Autodesk- Fusion Fundamentals	MGIT, Hyd	30-10-2024	Participation
89	Sri Harshini Ramani	22261A1433	Workshop On Autodesk- Fusion Fundamentals	MGIT, Hyd	30-10-2024	Participation
90	Sri Harshini Ramani	22261A1433	Robo Maze	Magistech - 2024 At MGIT, Hyd	13, 14-08-2024	Participation
91	Anees Ur Rahman Sheik	22265A1401	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13, 14-08-2024	Participation
92	G Santhosh	22265A1403	Robo Maze	Magistech - 2024 At MGIT, Hyd	13, 14-08-2024	Participation
93	T Sumit Singh	22265A1407	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13,14-08-2024	Participation
94	Yella Shyam Babu	22265A1409	Paper&Poster Presentation	Magistech - 2024 At MGIT, Hyd	13,14-08-2024	Participation

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S.NO	NAME OF STUDENT	ROLL NO.	EVENT	ORGANAIZED BY	DATE	PARTICIPATION
95	Bhukya Sairaj	23265A1402	Workshop On Autodesk- Fusion Fundamentals	MGIT, Hyd	30-10-2024	Participation
96	Kruthika Dandari	23265A1403	Workshop On Autodesk- Fusion Fundamentals	MGIT, Hyd	30-10-2024	Participation
97	Purma Meagunth Sai	23265A1405	Workshop On Autodesk- Fusion Fundamentals	MGIT, Hyd	30-10-2024	Participation
98	Rodrasu Venkata Sai	23265A1406	Workshop On Autodesk- Fusion Fundamentals	MGIT, Hyd	30-10-2024	Participation
99	Kankatala Bindu	21261A1422	Common Internship Test	Internship Studio	28-04-2025	Participation
100	Krishna Reddy.A	21261A1403	Design & Fabrication of Portable Oxygen Ventilator	Bulletin For Technology & History	02-02-2025	Publication
101	Sri Venkata Kanaka Durga	21261A1438	Poster Presentation Of Inovative Ideas	MGIT, Hyd	27-02-2024	Participation
102	Bhoomika Velturi	23261A1455	Smart India Internal Hackathon	MGIT, Hyd	03-08 to 04-08 2024	Participation
103	Sayed Gafoor	22261A1438	Autodesk	MGIT, Hyd	30-10-2024	Participation
104	Doddi Manoj Kumar	20261A1407	Robotics	Istop	04-05-2024	Praticipation
105	Aneesh	23261A0301	CAD/CAM	MGIT, Hyd	13-08 to 14-08 2024	Praticipation
106	Aneesh	23261A0301	Smart India Internal Hackathon	MGIT, Hyd	03-08 to 4-08 2024	Praticipation
107	Aneesh	23261A0301	3D-Printing	MGIT, Hyd	13-08 to 14-08 2024	Praticipation
108	B.Advaith	23261A0305	CAD?CAM	MGIT, Hyd	13-08 to 14-08 2024	Participation
109	Brundha.T	2126A1441	Design & Fabrication of Portable Oxygen Ventilator	Bulletin For Technology & History	02-02-2025	Participation
110	Pallati Rahul Kumar	21261A1429	Blood Donation	Aaradhya Blood Ccentre	01-10-2025	Appereciation

TECHNOVATION



TECHNOVATION is the annual fest conducted by the Mechatronics Engineering branch in MGIT. It is a part of “NIRVANA” - an annual event of the institution. TECHNOVATION is a completely student run technical fest with faculty supervision. Students present their ideas and conduct several technical and non-technical events which give them exposure to different aspects of management. TECHNOVATION’24 was hosted at Mechanical Engineering block in MGIT on 22nd November 2024.



MECHATRONICS NEWSLETTER

Technovation is the technical fest conducted by Department of Mechatronics every year. This edition was conducted on November 22, 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

Faculty Coordinators:

Mr. Ajay Kumar S

Members:

Dr. P. Venkata Ramana
Dr. K. Ankamma
Dr. S. Madhava Reddy
Mr. V.V.N. Satya Suresh
Dr. R Uday Kumar
Mr. B. Govinda Reddy
Mr. K.V.K. Viswanadham
Dr. P. Srinivasa Rao
Mrs. K. C. Sabitha
Mr. P.V. Prasad Reddy
Dr. M. Pratyusha
Mrs. B Haritha Reddy
Mr. G. Srinivasulu Reddy
Mr. D. Kameswara Rao
Mr. K.S. Santosh
Mr. B. Rama Krishna
Mr. K. Prudhvi Raj
Mr. M. Yadi Reddy
Dr. G Rakesh Kumar
Dr.T.Niranjan
Mrs. K Sirisha

Mrs. Y.V.N. Chandana
Ms. P. Meghana
Mrs. Y.V.N. Chandana
Ms. P. Meghana
Mrs. K. Kruthi Sharma
Mrs. C Sucharitha
Mr. P. Sashidhar
Dr. K. Santosh Kumar
Dr. V. Vijaya Bhaskar

Student Conveners:

Manav Neemkar MCT III/IV
Harshini Ramini MCT III/IVBC

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.

MECHATRONICS NEWSLETTER



The banner for the Technovation 2K24 National Level Technical Symposium on Mechatronics is presented by the Department of Mechanical Engineering (Mechatronics) at Mahatma Gandhi Institute of Technology (Autonomous). The banner features the institute's logo, accreditation logos (AICTE, NEA, NAAC, etc.), and a 27th anniversary logo. It lists technical events: Auto Quiz, Project Expo, Pulse Pitch, Paper & Poster Presentation, Robotics Workshop, and PLC Programming Workshop. Faculty convenors are Mr. S. Ajay Kumar and Dr. K. Sudhakar Reddy (Head of Department). Student convenors are Manav (90000 06527) and Harshini (76719 06659). The banner also includes social media handles and an email address.

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
Kokapet(Village), Gandipet, Hyderabad, Telangana - 500075. www.mgit.ac.in

MOTIVATE INNOVATE EMPOWER **27** YEARS

DEPARTMENT OF MECHANICAL ENGINEERING (MECHATRONICS) presents

TECHNOVATION 2K24
National Level Technical Symposium on Mechatronics

TECHNICAL EVENTS

- Auto Quiz
- Project Expo
- Pulse Pitch
- Paper & Poster Presentation
- Robotics Workshop
- PLC Programming Workshop

FACULTY CO-CONVENOR
MR. S. AJAY KUMAR

FACULTY CONVENOR
DR. K. SUDHAKAR REDDY
(HEAD OF DEPARTMENT)

STUDENT CONVENORS
MANAV: 90000 06527
HARSHINI: 76719 06659

technovation_mgit

technovation2023@gmail.com

Following are the technical and non-technical events that were the part of IGNITO'24:

Technical Events:

1. AUTO QUIZ
2. PULSE PITCH
3. ROBOTICS WORKSHOP
4. PROJECT EXPO
5. PAPER AND POSTER PRESENTATION
6. PLC PROGRAMMING WORKSHOP

Non-Technical Events:

1. FIND THE WORD
2. ROBO MAZE
3. HILL CLIMBLING RC RACING
4. DIE GAMBLING
5. WHISPER CHALLENGE
6. CORN HOLE

INDIA DESIGN WEEK 2.0

FUSION – 360

ABOUT THE INSTITUTION

Mahatma Gandhi Institute of Technology (MGIT) was established by the Chartered Institute of Technology (CIT) in 1987 and since then it has been providing quality education and training in the field of engineering and technology. The primary objective of CIT is to create a culture of knowledge in its pursuit of excellence in the present and future generations of our country. MGIT is affiliated to JNTU, Hyderabad and all eligible courses are Accredited four times by National Board of Accreditation (NBA), New Delhi. The Institute is also recognized by AICTE, with A++ grade and recognized by UGC under 2(F) and 12(B). The Institute offers eleven UG Programs in Engineering and five PG Programs with a total intake of 2500. MGIT has 220 well-qualified faculty members with 50 PhD holders and remaining faculty members are pursuing PhD with reputed institutions. The Institute was ranked among the best Engineering colleges in the world at 250-500 by QS World in the year 2022. CIT-AICTE rated MGIT as one of the top emerging Engineering colleges of excellence from Telangana at all India level. The World Magazine has rated MGIT among top 100 Engineering colleges in India.

ABOUT THE DEPARTMENT

Department of Mechanical Engineering offers two courses in B.Tech. Mechatronics and Mechanical Engineering. Mechatronics is a unique and emergent discipline was started with the inception of Mahatma Gandhi Institute of Technology (MGIT) in the year 1987. MGIT is the only institution in the state and in the country to have started for the first time such an innovative discipline of engineering. Mechatronics is an integrated technology involving synergistic combination of concepts of Mechanical Engineering, Electronics, Computer Science and Control Engineering with the key element being the integration of these areas through the design process. Mechatronics is the core area as well as future needs of the industry such as IOT, AI, Industry 4.0. The present students were placed in reputed R & D laboratories and companies. The department also offers M.Tech. course in Mechatronics.

The department has thirty six well-qualified faculty with good number of supporting staff and the department is endowed with state-of-the-art infrastructure facilities. Beyond the prescribed course syllabus and well-ventilated classrooms, drawing halls, tutorial halls and administrative space facilities together with state-of-the-art infrastructure facilities including SCADA based Computer Aided Instrumentation and Control Systems lab, Advanced CAD/CAM lab, CNC Machines & Robotics lab, Dynamics and Vibration lab, Machine Tools lab, Production Technology lab, Motion Control Design lab, all of them equipped with the state-of-the-art equipment. The department is also having advanced measurement equipment like FEMO page portable CMM and 3D printing Lab, the AICTE sanctioned a MRCOIR project to the department for modernization of CNC & Robotics lab and also sanctioned grant to aid for organizing two-week FDPs and one-week STTP programs. UGC, TRIPAT & JNTUHR and DRDO also sanctioned research projects to the department.

Students work with various charts/professional chapters like ASME, SAE, Robotics, OTE, and Innovation Club, at TEC Club. They showcase their potential knowledge in the form of development of product and organize various workshops/seminars/conferences. Indian National Academy of Engineers (INAE), New Delhi has awarded four Innovation Undergraduate Projects at National Level in the area of Agricultural Robotics. During the Academic Year 2023-24 & 2024-25, recently one of our students has been listed in Forbes magazine 30 under 30.

Both UG programs in Mechatronics and Mechanical Engineering are accredited by National Board for Accreditation (NBA), New Delhi.

INTRODUCTION

Fusion 360 is a cloud-based 3D CAD/CAM tool for product development that combines industrial and mechanical design, collaboration, and modeling in a single package. The tools in Fusion 360 enable fast and easy exploration of design ideas with an integrated conceptual-to-production toolset. A workshop on Autodesk Fusion 360 can be a great benefit to our students. It can help to learn how to use the software's capabilities and features to improve course content. It can also help to discover ways to make solid updates to the content that have big impacts. It can be used for developing simple parts using parametric modeling tools. The multi-body models into assembly models for kinematic analysis and parts fit analysis. CAD models can be directly using Fusion 360 tools. Create final engineering drawings from 3D part models. Using Fusion 360 skills for students can significantly boost employability and career prospects. Companies across diverse industries are seeking skilled professionals who can leverage this powerful tool to drive innovation and increase productivity.

CHIEF PATRONS

Smt. N. Padma
Chairman, CBES

Sri J. Pratap Reddy
Secretary & Correspondent, CBES

PATRONS

Prof. G. Chandramohan Reddy
Principal, MGIT

Prof. K. Sudhakar Reddy
Vice Principal, MGIT

RESOURCE PERSONS

Mr. V. Bhaskar Rao
Design Labs, Hyderabad

Mr. P. Ajay Kumar Reddy,
Design Labs, Hyderabad

CONTENTS TO BE COVERED IN WORKSHOP

Day 1- Fusion 360 sketch & Solid Modeling

- Kick-off Meet
- Fusion 360 Introduction
- Hands-on practice

Day 2- Assembly Modeling and Drawing

- Joints
- Contact sets
- Motion Studies
- Hands-on practice
- Practice
- Overview of Simulation and Generative Design
- Static Stress Analysis
- GD setups, solving & Filtering

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
Gandipet, Hyderabad, Telangana - 500075

ORGANIZED BY

Department of Mechanical Engineering
Mahatma Gandhi Institute of Technology (Autonomous)
Gandipet, Hyderabad, Telangana - 500075

CONTACT DETAILS:

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Rajagopal (Nagar), Gandipet (Mehad),
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A two-day hands-on workshop on Fusion 360 was conducted on **29th and 30th of October 2024**, with 57 students and 35 faculty members participating. It was organized by Design labs, in collaboration with **Autodesk, India** at MGIT, Hyderabad in CAD CAM Lab.

The workshop was designed to train the participants in **Fusion 360 Software** for essential solid modelling skills, sketching, assembling, and drafting techniques along with rendering and simulation analysis techniques. Participants gained practical experience in Fusion 360.

Additionally, the workshop introduced the fundamentals of generative design, providing an overview of its applications and benefits in modern Engineering and product development. A session on simulation was also conducted, giving participants insights to analyze and optimize designs for real-world performance.

The two-day workshop also provided participants with practical experience in solid modeling, sketching, assembling, and drafting techniques using Fusion 360. Attendees gained a foundational understanding of generative design, exploring its applications in modern Engineering. Moreover, the session covered an overview of simulation, helping participants analyze and optimize their designs for real-world performance.

The Fusion 360 hands-on workshop received high positive feedback from both students and faculty. Participants appreciated the interactive learning approach, which provided valuable hands-on experience in CAD modeling, generative design, and simulation. They also praised the clarity of instruction and the opportunity to work on industry-relevant design challenges. The workshop encouraged further exploration of advanced Fusion 360 tools, leaving participants motivated to enhance their expertise in product design and manufacturing and to participate in the upcoming competition like IDW 2025 etc.

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MAGISTECH 2024-25



ISTE Students' Chapter and Institution's Innovation Council of Mahatma Gandhi Institute of Technology (MGIT) have jointly organized a two days National Level Technical Symposium for Engineering students **MAGISTECH-2024** during 13-14 September, 2024. This event was organized as part of celebrations of **Engineers' Day**, the birth day of Bharath Ratna Sir, Mokshagundam Visvesvaraya. Around 650 students from various parts of the country have participated in various events viz Paper/Poster presentations, Circuit Amending, Robotics, 3D Printing, Disturb Code, Idea presentation, Code Unseen, Guess the Output, Electro Cache and Techie Quiz conducted during the event. CAD Design Competitions and Technical Quiz were also conducted.

The Symposium was inaugurated by the Chief Guest Prof. P. Krishna Reddy, Data Science and Analytics Center & IT for Agricultural Research Center, IIITH- Hyderabad on 13th September, 2024. Dr. P. Chandra Sekhar, Technical Director - Management Consultant 7S Technologies & Technical Advisor- Ramoji Film City was the Guest of Honor. Others present were Principal Prof. G. ChandraMohan Reddy, Vice Principal, Prof. K. Sudhakar Reddy, Prof. S.Madhava Reddy, Faculty Advisor, ISTE Students' Chapter –MGIT & Convener MAGISTECH 2024 and B.Srinivasa Reddy, Student convener.

In the valedictory function held on September 14th, 2024 the prizes to the winners of the competitions were given away by Dr.G.Chandra Mohan Reddy, Principal, MGIT and Prof.K.Sudhakar Reddy Vice Principal, MGIT.



HACKATHON(SIH), Dec – 2024

MGIT students achieved a remarkable milestone by winning the **First Prize in the “Hardware” category** at the Smart India Hackathon (SIH) 2024, held from December 11th to 15th, 2024 at Forge Innovations and Venture, Coimbatore. Their innovative project, titled ***Solar Panel Tracker Without Electricity***, focused on developing a non-electrical device to track the sun’s movement and enhance solar panel efficiency (ID 1545). The team utilized various advanced lab facilities including the Engineering Workshop, Machine Tools Lab, Metrology Lab, CAD/CAM Lab, and 3D Printing Machine to bring their concept to life.

The student team:

24265A1407	P. Chanakya
23261A1430	P. Aditya
24265A1405	M. Karthik
24265A1408	S. Pranay
24265A1409	V. Anurag
24265A1410	V. Prasanna



This achievement highlights MGIT’s commitment to nurturing innovation and practical problem-solving among its students. Winning at SIH 2024 has not only brought pride to the institution but also inspired future engineers to pursue impactful and sustainable solutions.



MECHATRONICS NEWSLETTER

INDUSTRIAL VISITS:

S.NO	NAME OF THE COMPANY	VISIT DATE	NO. OF STUDENTS VISITED
01.	M/s Sai Deepa Rock Drilling Tools	26/04/2025	58
02.	Rajeshwari Industries	23/01/2025	60

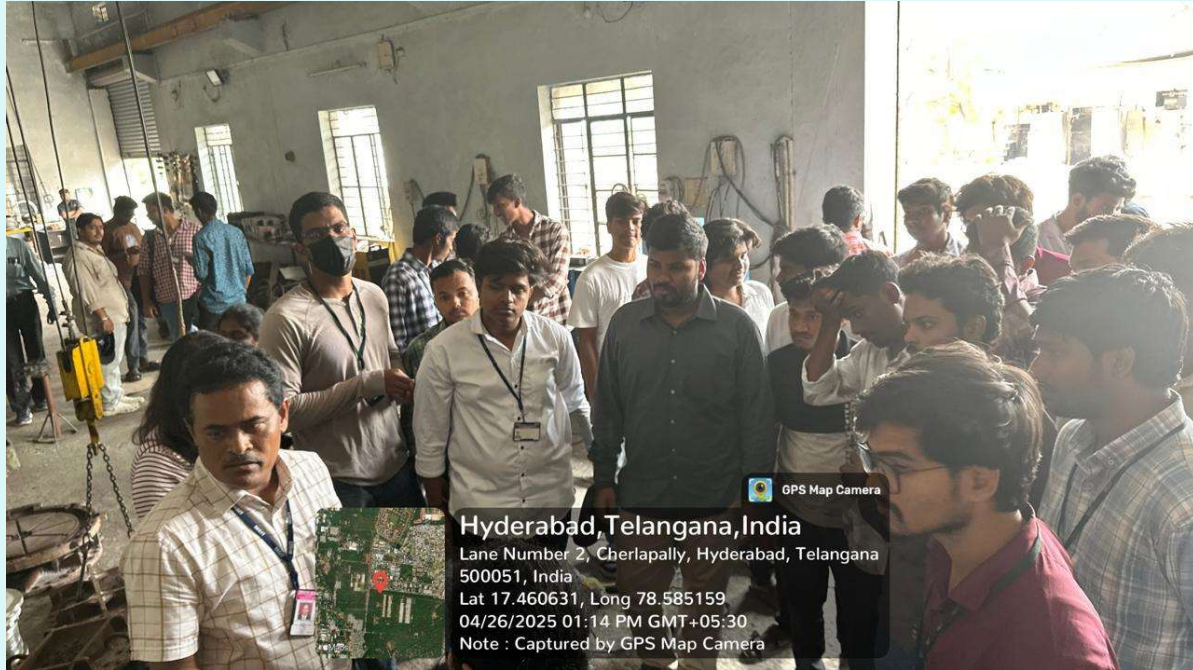
Sai Deepa Rock Drilling Tools:

An industrial visit to M/s Sai Deepa Rock Drilling Tools , located in the Industrial Estate, Cherlapally, was organized for the students of Mahatma Gandhi Institute of Technology, Department of Mechanical Engineering (Mechatronics), III Year, VI Semester. The visit was conducted under the supervision of faculty members Ms. Pratyusha, Mr. Prasad Reddy. The enterprise, recognized as a unit specializing in the fabrication of steel bores and related products (excluding machinery and equipment), provided students with a comprehensive overview of its operations. A guided tour of the production units, steel processing facilities, and surface treatment sections was facilitated, followed by interactive sessions with industry professionals. Safety protocols were briefed prior to the visit, and transportation was arranged by the institution.



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M/s Rajeswari Industries:



An industrial visit to M/s Rajeswari Industries, located in the Industrial Estate, Kukatpally, was organized for the students of Mechatronics / Mechanical Engineering, III Year, VI Semester, Mahatma Gandhi Institute of Technology. The visit was conducted under the supervision of faculty members Mr. Madhava Reddy, Mr. Prasad Reddy, Ms. Pratyusha and Ms. Meghana (Assistant Professors).

The company, engaged in the manufacturing and development of industrial and commercial products, facilitated a comprehensive agenda including a guided tour of production units, laboratories, and R&D facilities. Students were briefed on safety protocols prior to departure, and transportation was arranged by the institution. Interactive sessions with professionals, including Sri Harinath Garu, enabled students to gain insights into operational workflows, technological advancements, and industry expectations.

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Through this initiative, students were provided with firsthand exposure to industrial practices, bridging the gap between academic instruction and practical implementation. Observations of manufacturing processes, machinery, and surface treatment techniques contributed to a deeper understanding of theoretical applications.



The visit fostered career preparedness, encouraged professional networking, and highlighted the evolving dynamics of the industrial sector. Students including [insert names here] reported enhanced awareness of fabrication workflows, industrial challenges, and the significance of continuous learning in a competitive landscape. Post-visit reflections were conducted to consolidate insights and encourage further engagement with industry-aligned competencies.

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STUDENT PLACEMENTS

S.No.	Name of the student	Enrollment No.	Employee Name
1	ABHIRAM KOKA	21261A1401	M/s Schneider Electric India , Hyderabad
2	AMERINENI KRUPA KOUSHIK	21261A1402	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
3	ATHIMYALA KRISHNA REDDY	21261A1403	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
4	KODAMANCHILI AKSHARAAKRUTHI	21261A1424	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
5	MUDAVATH HARSHAVARDHAN	21261A1428	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
6	RAJPUTH ANUDEEP SINGH	21261A1433	M/s Schneider Electric India , Hyderabad
7	ROHIT PATNAM	21261A1434	M/s Schneider Electric India , Hyderabad
8	SAMBARI ARYAN KUMAR	21261A1435	M/s Mahindra and Mahindra Ltd , Zaheerabad , Telangana
9	THOKALA BRUNDHA	21261A1441	M/s Renault Nissan Technology Chennai
10	ELADANDI PRANATHI	22265A1402	M/s JK Fenner, Hyderabad
11	G S RAGHAVENDRA CHARY	22265A1403	M/s Mahindra & Mahindra Ltd, Nashik