Madanapalle Institute of Technology & Science

(UGC Autonomus Institution)

Angallu (V), Madanapalle-517325

Annamayya District, Andhra Pradesh, India

NEWSLETTER

July 2021 - June 2022

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC Autonomous Institution)

Vision

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

Mission

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

Content

Message from Principal

It gives me great pleasure to extend warm greetings to everyone through the bi-annual newsletter of Madanapalle Institute of Technology & Science (MITS). This newsletter serves as a conduit of communication, bridging the gap between our institution and its stakeholders. As the Principal of MITS, I believe in the power of effective communication to foster a sense of community and unity among us. Through this newsletter, we aim to highlight the achievements, initiatives, and developments within our college community.

It serves as a platform to celebrate the successes of our students, acknowledge the dedication of our faculty, and showcase the strides we are making towards academic excellence and holistic development. I encourage all of you to actively engage with the content of this newsletter, as it reflects the collective efforts and aspirations of our MITS family. Let us continue to work together, inspire one another, and propel our institution towards greater heights of success and innovation.

Dr. C. Yuvaraj
Principal, Madanapalle Institute of Technology & Science.

Message from Vice Principal (Administration)

In this issue of the bi-annual newsletter, we are thrilled to showcase the vibrancy and dynamism of our college community. From academic achievements to extracurricular triumphs, this newsletter encapsulates the essence of our collective journey towards excellence. As we navigate through the times, it is heartening to witness the resilience and determination of our students, faculty, and staff.

Together, we continue to uphold the values of innovation, collaboration, and integrity that define MITS. I invite you to immerse yourself in the achievements shared within these pages, and to join us in celebrating the spirit of MITS.

Dr. C. Kamal Basha,
Vice Principal (Admin) & Editor–in–chief, NEWSLETTER.

About MITS

Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17-acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle.

MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of Late Sri. N. Krishna Kumar M.S. (U.S.A), the then President and Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent of the Academy.

MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the students' fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.

Industrial Block

Faculty Development Programs

- A five-day International Online Faculty Development Program on **"Application of Artificial Intelligence (AI) in Electrical Engineering (EE) for the Performance Improvement of Various Sectors (AAIEEPIVS-2021)"** was organized by Department of Electrical and Electronics Engineering Duration: 24.08.2021 to 28.08.2021.

- A five-day International Online Faculty Development Program (FDP) on **"Application of Renewable Energy in the Growth of Electric Vehicle (EV) Technology (AREGEVT-2021)"** was organized by Department of Electrical and Electronics Engineering in association with Institution Innovation Council from 23.11.2021 to 27.11.2021.

- A five-day Faculty Development Program on **"Thin-Films in Manufacturing"** was organized by Department of Mechanical Engineering from 04.10.2021 to 08.10.2021.

- A five-day Online Faculty Development Programme on **"Industry of Teaching English: Practical Strategies, Research and Insights"** was organized by Department of English and Foreign Languages on 23.05.2022 to 27.05.2022.

- A five-day Faculty Development Programme (FDP) on **"Amazon Web Services (AWS) & 21st Century Skill"**, was organized by Training and Placement, MITS in association with Industry-Institute interaction cell from 14.06.2022 to 18.06.2022.

- A five-day online training of **"Training the Trainers on IELTS (International English Language Testing System)"** was organized by Department of English and Foreign Languages in association with Acharya Institute of IELTS Academy from 16.05.2022 to 20.05.2022.

Guest Lectures

- A one-day Guest Lecture on **"International Women's Equality Day – 2021"** was organized by Department of Computer Science & Engineering on 26.07.2021.

- A one-day Guest Lecture on **"Neuromorphic Computing"** was organized by Department of Computer Science & Engineering on 05.08.2021.

- A one-day Guest Lecture on **"Block Chain Technology"** was organized by Department of Computer Science and Engineering on 12.08.2021.

- A one-day Guest Lecture on **"Job Opportunities on HYPERMESH, CATIA and ANSYS software's"** was organized by Department of Mechanical Engineering on 26.10.2021.

- A one-day Guest Lecture on **"Training and Placement Opportunities"** was organized by Department of Mechanical Engineering on 29.10.2021.

- A one-day Guest Lecture on **"Design, Testing and Application of Power Transformer"** was organized by Department of Electrical and Electronics Engineering in association with IEEE Student chapter, MITS on 01.11.2021.

- A one-day Guest Lecture on **"Design Automation using CAD"** was organized by Department of Mechanical Engineering on 23.11.2021.

- A one-day Guest Lecture on **"An Overview of Battery Management System in Electric Vehicle (EV) Technology"** was organized by Department of Electrical and Electronics Engineering on 05.12.2021.

- A one-day Guest Lecture on "**Career development for Emerging Managers"** was organized by Department of Management studies on 13.12.2021.

- A one-day Virtual Guest Lecture on **"Busting Myths in writing a Technical Manuscript"** was organized by Department of Computer Science & Technology on 14.12.2021.

- An Alumni Guest Lecture on **"Mobile Application Development"** was organized by Department of Computer Science & Engineering in association with Alumni Cell-MITS on 23.12.2021.

- A one-day Guest Lecture on **"Career Development Guidance".** was organized by Department of Management Studies in association with Alumni Relations Office on 03.01.2022.

- A one-day Guest Lecture on **"Skill Java Full stack Development & Career opportunities"** was organized by Department of Computer Applications in association with MITS Alumni Relations Office on 08.01.2022.

Guest Lectures

- A one-day Guest Lecture on "**Career Opportunities for SAP Consultants in the Job Market**" was organized by department of Management Studies on 05.02.2022.

- A one-day Guest Lecture on **"FEM modeling for Composite Structures"** was organized by Department of Civil Engineering on 16.02.2022.

- A one-day Guest lecture on "**post-Graduation in the domain of semiconductors and its career opportunities across Taiwan**" was organized by Department of Electronics & Communication Engineering in association with Alumni Welfare Association-MITS on 19.02.2022

- A one-day Guest Lecture on "**Climate change and its Impact on Environment**" was organized by Department of Civil Engineering on 04.03.2022.

- A one-day Guest Lecture on **"Customer Relationship Building and Manage the Complete the Customer Services"** was organized by Department of Management Studies on 04.03.2022.

- A one-day Guest Lecture on "**Funding Process**" was organized by Department of Management Studies on 08.03.2022.
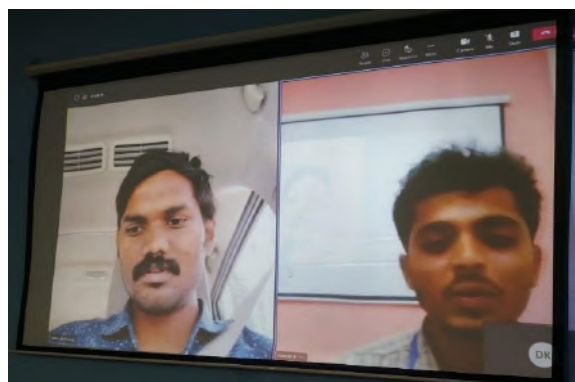
- A one-day Guest Lecture on "**Personality development and future scope in Internet of Things** " was organized by Department of Electronics & Communication Engineering on 12.03.2022.

- A one-day Guest Lecture on **"Qualities required for Entrepreneur**" was organized by Department of Management Studies on 14.03.2022.

- A one-day Guest Lecture on **"Introduction to 3D Printing "** was organized by Department of Mechanical Engineering in association with ISTE Chapter and IIIC-MITS on 23.03.2022.

- A one-day Guest Lecture on "**Data Science**" was organized by Department of Computer Science & Technology on 26.03.2022.

- A one-day Alumni Guest Lecture on "**Power BI**" was organized by Department of Management Studies on 22.04.2022.

Guest Lectures

- A one-day Virtual Guest Lecture on "**Opportunities and Challenges of Entrepreneur**" was organized by Department of Computer Science & Engineering in association with Computer Society of India (CSI) on 27.04.2022.

- A one-day Guest Lecture **on "Skill Upgradation for Rural-Youth Empowerment"** was organized by MITS in association with SURE TRUST on 02.05.2022.

- A one-day Guest Lecture on **"Application of Drones in Agriculture Technology"** was organized by Department of Mechanical Engineering in association with ISTE MITS Chapter & IIIC-MITS on 07.05.2022.

- A one-day Guest Lecture on "**Career Planning**" was organized by Department of Computer Science & Technology on 10.06.2022.
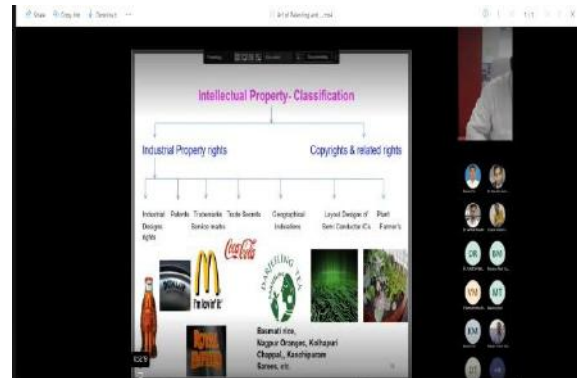

Workshops

- A two-day Workshop on **"Modeling, Simulation and Fabrication of Emerging Electron Devices and Circuits."** was organized by Department of Electronics and Communication Engineering on from 28.09.2021 to 29.09.2021.

- A seven-day Workshop on **"Future Opportunities and Challenges in 5G Technology"** was organized by Department of Electronics and Communication Engineering from 13.10.2021 to 17.10.2021.

- A five-day Short-Term Course on **"Emerging Topics on Instrumentation, Electronics and Communications (ETIEC-2021)"** was organized by Department of Electronics and Communication Engineering from 27.10.2021 to 31.10.2021.

- A one-day Workshop on **"Modelling of solar PV panel in MATLAB"** was organized by Department of Electrical and Electronics Engineering in association with: IEEE Students Chapter MITS on 28.10.2021.

- A five-day Workshop on **"Artificial Intelligence and Machine Learning with a hands-on session using MATLAB "** was organized by Department of Electronics and Communication Engineering from 03.11.2021 to 07.11.2021.

Workshops

- A five-day workshop on **"5 Day workshop on MATLAB"** was organized by Department of Mechanical Engineering from 08.11.2021 to 12.11.2021.
- A five-day National Level Workshop on **"Advanced Civil Engineering Techniques"** was organized by Department of Civil Engineering from 07.12.2021 to 11.12.2021.

- A one-day workshop on "**Workshop on Robotics**" was organized by Department of Mechanical Engineering on 09.12.2021.
- A one-day workshop on "**Interview Techniques"** was organized by Department of Management Studies on 18.12.2021.
- A one-day workshop on "**Energy Audit"** was organized by Department of Electrical & Electronics Engineering on 07.01.2022.
- A one-day an online Workshop on **"Data Science: Statistical Approach"** was organized by Department of Mechanical Engineering in association with Industry Institute Interaction Cell (IIIC) on 03.03.2022.

- A five-day workshop on "**Art of Patenting and Drafting"** was organized by Department of Electronics & Communication Engineering from 25.04.2022 to 29.04.2022.

- A one-day workshop **"Applications of Electromagnetic Simulation tool for Designing Electric Vehicle Motor"** was organized by Department of Electrical & Electronics Engineering on 09.05.2022.
- A five-day Workshop on **"IELTS (International English Language Testing System)"** was organized by Department of English & Foreign Languages in association with from Acharya Institute of IELTS Academy on 16.05.2022 to 20.05.2022.

- A one-day Workshop on **"Career Development: Certification in Emerging Technologies"** was organized by Department of Training and Placement in association with IIIC-MITS on 06.06.2022.

Webinars

- A Webinar on **"Application of Artificial Intelligence (AI) in Induction Motor (IM) Drive"** was organized by Department of Electrical and Electronics Engineering on 17.07.2021.

- A Webinar on **"Changing Talent Landscape in the IT Industry"** was organized by Department of Computer Science & Technology on 17.07.2021.

- A Webinar on **"Career Opportunities after B.Tech and GATE Orientation"** was organized by Department of Electrical and Electronics Engineering in association with: ISTE Students Chapter & OHM Institute, Hyderabad on 09.10.2021.

- A Webinar on **"Emerging Trends & Research Opportunities in Blockchain"** was organized by Department of Computer Science & Engineering on 01.11.2021.

- **A** Webinar on **"Overview of Integrated Steel Plant and Role of Engineer in Steel Making"** was organized by Department of EEE in association with ISTE Student Chapter on 04.12.2021.

- An Alumni webinar on **"Career Development for Civil Engineers"** was organised by Department of Civil Engineering on 03.01.2022.

- A Webinar on "**Current Trends in Capital Markets and Importance of Due Diligence in Investing**" was organized by in association with CDSL India, IPF Trust on 07.01.2022.

- A Webinar on **"Practical Applications of CFD in Industries"**. was organized by Department of Mechanical Engineering on 26.02.2022.

- A One Day National Live Webinar on "**Investor Awareness and Money Management"** was organized by Department of Management Studies in association with Unit Trust of India (UTI) 11.03.2022.

- A Webinar on "**Programmable Logic Controller (PLC) for Industrial Automation**" was organized by Department of Electrical and Electronics Engineering & Department of Mechanical Engineering on 11.03.2022.

Webinars

- A Webinar on "**Resume and profile Building and Road map to Tech Roles Related to Data**" was organized by Department of Mechanical Engineering on 30.03.2022.
- An Alumni webinar on **"Path to Higher Studies in USA"** was organized by Department of Civil Engineering on 16.03.2022. Ms. N. Keerthana Reddy, from Texas Tech University, Texas, USA the guest of honor addressed the gathering.
- A Webinar on "**GATE Awareness for Mechanical & CIVIL**" was organized by Department of Civil Engineering in association with ISTE MITS Student Chapter and RICE Institute on 19.04.2022.

- A Webinar on "**Cloud Technologies – Opportunities, Learnings, And Growth** was organized by Department of Computer Science & Engineering in collaboration with the Computer Society of India (CSI) on 21.05.2022.

International Conference

- A two-day International Conference on **"Materials, Energy and Mechanical Engineering, 2021 (ICME2 - 2021)**" was organized by Department of Mechanical Engineering from 17.12.2021 to 18.12.2021.
- A one-day International Colloquium on "**Perspectives on Big Data, Machine Learning and AI**" was organized Department of Computer Science & Technology on 05.02.2022.

- A two-day International Conference on **"International Conference on thin-film application and processing ICTFPA-2022)**" was organized by Department of Mechanical Engineering from 04.03.2022 to 05.03.2022.

Seminars

- A one-day Seminar on "**Union Budget-2022**" was organized by Department of Management studies on 04.02.2022.

- A one-day Seminar on **"Explore Job Opportunities in the Design Field"** was organized by Department of Computer Science & Technology on 21.05.2022.

Industrial Visits

- A one-day Industrial Visit to visited **"Vikram Solar Power Plant (TTD 10MW Solar Power Plant)"** Kosuvaripalle, AP, was organized by Electrical & Electronics Engineering in association with ISTE Student Chapter. 11.03.2022.

- A one-day Industrial Visit to **"NPTI Bangalore and NDS Eco Motors Pvt. Ltd."**, Bangalore was organized by Departments of Electrical & Electronics Engineering & Mechanical Engineering on 04.04.2022.

- A one-day Industrial Visit to "**Rayalaseema Thermal Power Project (RTPP)**" Muddanur, Kadapa, AP was organized by EEE in association with ISTE Student Chapter on 09.04.2022.

- A one-day Industrial Visit to "Sibar Auto Parts Ltd" was organized by Department of Mechanical Engineering in association with Industry-Institute Interaction Cell (IIIC) on 19.04.2022.

- A one-day Industrial Visit to **"Diesel Loco Shed, South Central Railway Division"**, Gooty. Department of Mechanical Engineering on association with ISTE Student Chapter on 22.04.2022.

- A one-day Industrial Visit to **"ROOF INDIA Exhibition – Asia's Largest Roofing & Allied Products Event"**, was organized by Department of 23.04.2022.

- A one-day Industrial Visit to **"Prasar Bharathi Doordarshan Kendra"** and **"Bharat Sanchar Nigam Limited"**, Tirupati was organized by Department of ECE on 18.05.2022.

- A one-day Industrial Visit to **"Rayalaseema Thermal Power Station"**, Yerraguntla, Kadapa, Andhra Pradesh was organized by Department of Civil Engineering on 15.05.2022.

Symposiums

- A one-day National Level Technical Symposium **"Techno fest on Electrical Revolutions & Advancements TERA 2022",** was organized by Department of Electrical & Electronics Engineering on 05.05.2022.

- A one-day National Level Technical Symposium **"Mechonance 2022"** was organized by Department of Mechanical Engineering on 19.05.2022.

- A one-day National Level Technical Symposium **"GMOCS-2K22"** was organized by Department of Computer Science & Engineering on 25.05.2022.

- A one-day National Level Technical Symposium **Civil Engineering Technical Augury (CITA'22)** was organized by Department of Civil Engineering on 30.05.2022.

- A one-day National Level Technical Symposium **"INVICTA"** was organized by Department of Computer Science & Technology on 02.06.2022.

- A one-day National Level Technical Symposium **"ECLECTICA"** was organized by Department of Electronics & Communication Engineering on 03.06.2022.

Events

- **"International Women's Equality Day 2021"** was organized by the Department of CSE on 26.07.2021.
- **"World Youth Skills Day"** was organized by the Department of Physics in collaboration with the Innovation Cell, MITS on 15.07.2021.
- **"World Photography Day 2021"** was celebrated by the Film Makers Club, MITS on 19.08.2021.

- **"Engineer's Day 2021"** was organized by the Department of Civil Engineering, MITS on 15.09.2021.
- **"World Ozone Day – 2021"** was organized by the Department of Chemistry on 16.09.2021.

- **"IEEE Day 2021"** was organized by the Department of ECE on 05.10.2021.

- **"National Mathematics Day"** was organized by the Department of Mathematics on 23.11.2021.

- **"Orientation Day - 2021"** for B.Tech first year Students was organized by MITS on 03.12.2021.

- **"Fresher's Day Programme"** was organized by Madanapalle Institute of Technology and Science on 12.03.2022.

Events

- **"Smart India Hackathon"** – MITS Internal Hackathon was organized by the Department of EEE in association with Department of ECE on 15.03.2022.

- **"World Water Day Celebration"** was organized by the Department of Civil Engineering in association with Water Club on 22.03.2022.

- Department of English & Foreign Languages was organized **"English language day"** on 23.04.2022. As part of the celebrations Shakespeare's renowned drama "Romeo and Juliet" was performed by students.

- MITS Sports club in collaboration with the Department of Physical Education organized **"Inter Department Sports Competitions 2022"** from 23.05.2022 to 26.05.2022 at MITS college ground.

- The Department of Computer Applications was organized a **"Student-Parent-Corporate Conclave Program"** on 06.06.2022.

Achievements

K. V. N. S. Jayanth Sarma, a IV B.Tech ECE student**,** secured an **International Internship** at **NTU,Singapore**.

Ms. Sai Shalini, a 3rd-year EEE student**,** was selected for the **"UiPath Student Championship 2020-2021"**, was organized by UiPath Company, California, USA**.**

Awareness Programs

- The Women Empowerment Cell organized an awareness program, to educate participants about the features and benefits of the **Disha App**, a crucial tool designed to enhance women's safety and provide quick access to emergency services on 12.07.2021.

- An Awareness Program on **"The Seven Habits of Highly Effective People"** was organized by the Department of Computer Applications, aimed at enhancing personal effectiveness and productivity on 12.10.2022.

- An Awareness Programme on **"Cyber Crimes & Disha app"** was organized by the MITS in with association with the Police Department on 31.10.2021.

- An awareness program titled **"Go Back to Nature"** was organized for B.Tech 1st-year students to encourage a deeper connection with nature, promote environmental sustainability, and raise awareness about the importance of preserving natural resources on 03.12.2021.

- An Awareness Program on **"BEC and IELTS"** was organized by the Department of English and Foreign Languages, on 25.03.2022.

- An **Awareness Program on "Intellectual Property Rights (IPR)"** was organized by the R&D Cell, focusing on the importance and legal aspects of intellectual property on 09.04.2022.

- An **Awareness Program on Cloud Computing** was organized by the TECH Club of the Student Activity Cell, under the guidance of the Department of CST on 24.05.2022.

NSS Activities/Community Service Programs

- **"Teachers' Day Celebrations–2021"** was organized by NSS Cell in association with Mechanical Engineering on 05.09.2021.

- A two-day **Mega COVID-19 Vaccination Drive** was organized by NSS Cell in association with Mechanical Engineering at MITS campus from 17.09.2021 to 18.09.2021.

- The "**COVID-19 Mega Vaccination Drive**" was organized by the NSS Cell-MITS in association with Kurabalakota Primary Health Centre on 27.10.2021 and 28.10.2021 at the MITS campus. Over 250 students and staff received vaccinations during the drive.

- The NSS Cell-MITS organized a program on the "**Birth Anniversary of Dr. APJ Abdul Kalam**" on 15.10.2021. The event witnessed active participation from NSS volunteers, teaching staff, and non-teaching staff.

- "**Human Rights Day**" was organized by the NSS Cell in association with Department of Mechanical Engineering at MITS on 10.12.2021.

- The NSS Cell-MITS conducted a "**Mega Vaccination Drive**," during which more than 300 staff and students received vaccinations on the MITS campus from 03.01.2022 to 08.01.2022.

- A "**Delegation Meet**" was organized by the NSS Cell-MITS, for the orientation of new NSS volunteers and the farewell of final-year NSS volunteers on 06.01.2022.

- The NSS team, in association with NCC Cell organized "**Republic Day Celebrations**" on 26.01.2022.

NSS Activities

- A "**World Cancer Day Rally**" was organized by NSS Cell-MITS to raise public awareness about cancer prevention and treatment on 04.02.2022**.**

- "**International Mother Language Day**" was organized by NSS Cell-MITS to promote awareness of linguistic and cultural diversity and encourage multilingualism on 21.02.2022**.**

- The NSS Unit**,** in collaboration with the Lions Club, Madanapalle**,** organized a "**Blood Donation Camp**" on 28.03.2022**.**

- "**Dr. B. R. Ambedkar Jayanti**" was observed by NSS Cell-MITS to honor the legacy of **Dr. B. R. Ambedkar** on 14.04.2022**.**

Achievements

Photography Contest: 2021 – Winners

Eight B.Tech students were selected as "**University Innovation Fellows (UIF)**" by **Stanford University, USA**.

NCC Activities

- A One-Day **"Tree Plantation Programme"** was organized by the NCC Cell in Madanapalle Town on 05.11.2021.

- "**Indian Constitution Day**" was organized by the NCC Cell, MITS on 26.11.2021.

- "**NCC Day**" was organized by the NCC Cell, MITS, at MITS Madanapalle on 28.11.2021.

- MITS-NCC Cell conducted a "**Black Day Program**", in remembrance of the 2019 Pulwama Attack on 14.02.2022**.**

- A One-Day Programme on **"World Forestry Day"** was organized by the NCC Cell on 21.03.2022**.**

- A One-Day Programme on **"Shaheed Diwas"** was organized by the NCC Cell on 23.03.2022**.**

- A One-Day Awareness Programme on **"Career Opportunities in the Indian Armed Forces"** was organized by in association with the Bangalore Defence Academy on 26.03.2022**.**

Paper Publications

- Ramalingam R, published an article titled "An Intelligent Optimized Route-Discovery Model for IoT-Based VANETs" in Processes in July 2021–June 2022. DOI: 10.3390/pr9122171.
- Phadatare H.P, published an article titled "Nonlinear Dynamics and Chaos of a Multi-Disk Rotating Shaft Undergoing Large Deflection Mounted on a Moving Support" in International Journal of Non-Linear Mechanics in July 2021–June 2022. DOI: 10.1016/j.ijnonlinmec.2021.103819.
- Dhasarathan C, published an article titled "A Novel Approach for Multi-Constraints Knapsack Problem Using Cluster Particle Swarm Optimization" in Computers and Electrical Engineering in July 2021 – June 2022. DOI: 10.1016/j.compeleceng.2021.107399.
- Sharanya V, published an article titled "Transient Stokes Flow Past a Spherical Droplet with a Stagnant Cap Due to Contaminated Surfactant Layer" in Theoretical and Computational Fluid Dynamics in July 2021 – June 2022. DOI: 10.1007/s00162-021-00592-w.
- Hasan M.G, published an article titled "Cost-Benefit Analysis of Shale Development in India: A Best-Worst Method Based MCDM Approach" in Journal of King Saud University – Science in July 2021 – June 2022. DOI: 10.1016/j.jksus.2021.101591.
- Mahboob A, published an article titled "Generalized Fuzzy Ideals of BCI-Algebras Based on Interval Valued m-Polar Fuzzy Structures" in International Journal of Computational Intelligence Systems in July 2021 – June 2022. DOI: 10.1007/s44196-021-00006-z.
- Mehar K, published an article titled "Thermal Post-Buckling Strength Prediction and Improvement of Shape Memory Alloy Bonded Carbon Nanotube-Reinforced Shallow Shell Panel: A Nonlinear Finite Element Micromechanical Approach" in Journal of Pressure Vessel Technology, Transactions of the ASME in July 2021 – June 2022. DOI: 10.1115/1.4050934.
- Kumar C.S, published an article titled "Influence of Ag Additions on the Structure, Mechanical Properties, and Oxidation Behaviour of CrAlNAg Coatings Deposited by Sputtering" in Surface and Coatings Technology in July 2021 – June 2022. DOI: 10.1016/j.surfcoat.2021.127767.
- Bhosale A, published an article titled "Variability of Mechanical Properties of Cellular Lightweight Concrete Infill and Its Effect on Seismic Safety" in Natural Hazards Review July 2021 – June 2022. DOI: 10.1061/(ASCE)NH.1527-6996.0000501.
- Ahmad N., Hasan M.G, published an article titled "Identification and Prioritization of Strategies to Tackle COVID-19 Outbreak: A Group-BWM Based MCDM Approach" in Applied Soft Computing in July 2021 – June 2022. DOI: 10.1016/j.asoc.2021.107642.
- Farooq S.M, published an article titled "Initialization Vector for Application of IEC 61850-90-5 Security Features on R-GOOSE and R-SV Messages" in International Journal of Electrical Power and Energy Systems in July 2021 – June 2022. DOI: 10.1016/j.ijepes.2021.107189.
- Sahoo S, published an article titled "Current Trends in MXene Research: Properties and Applications" in Materials Chemistry Frontiers in July 2021 – June 2022. DOI: 10.1039/d1qm00556a.
- Mishra B.P, published an article titled "Free Flexural Vibration Analysis of Thin Plates Using NURBS-Augmented Finite-Element Method" in Journal of Vibration Engineering and Technologies in July 2021 - June 2022. DOI: 10.1007/s42417-022-00639-0.
- Madhavi K, published an article titled "Darcy flow of polymer from an inclined plane with convective heat transfer analysis: a numerical study" in Journal of Thermal Analysis and Calorimetry in July 2021 - June 2022. DOI: 10.1007/s10973-020-09942-y.
- Verma V.K, published an article titled "Direct evidence to control the magnetization in Fe_3O_4 thin films by N_2 ion implantation: a soft X-ray magnetic circular dichroism study" in Journal of Sol-Gel Science and Technology in July 2021 - June 2022. DOI: 10.1007/s10971-021-05606-x.

Paper Publications

- Brabin D.R.D, published an article titled "Efficient routing mechanism for neighbour selection using fuzzy logic in wireless sensor network" in Computers and Electrical Engineering in July 2021 - June 2022. DOI: 10.1016/j.compeleceng.2021.107365.

- Sheikh T.A, published an article titled "Sum-Rate Improvement in Massive MIMO System with User Grouping and Selection, and Antenna Scheduling Scheme" in Wireless Personal Communications in July 2021 - June 2022. DOI: 10.1007/s11277-021-08503-2.

- Rajakumar R, published an article titled "Accelerated grey wolf optimization for global optimization problems" in Technological Forecasting and Social Change in July 2021 - June 2022. DOI: 10.1016/j.techfore.2021.120824.

- Sahoo S, published an article titled "Microwave-assisted thin reduced graphene oxide-cobalt oxide nanoparticles as hybrids for electrode materials in supercapacitor" in Journal of Energy Storage in July 2021 - June 2022. DOI: 10.1016/j.est.2021.102724.

- Prithivirajan R, published an article titled "Influence of Optimization Techniques on Wire Electrical Discharge Machining of Ti–6Al–2Sn–4Zr–2Mo Alloy using Modeling Approach" in Journal of Inorganic and Organometallic Polymers and Materials in July 2021 - June 2022. DOI: 10.1007/s10904-021-01953-y.

- Rao T.V.V.L.N, published an article titled "Tribological performance of low viscosity halogen-free ammonium based protic ionic liquids with carboxylate anions as neat lubricants" in Tribology International in July 2021 - June 2022. DOI: 10.1016/j.triboint.2021.107058.

- Gupta S., published an article titled "Design of non-mapping code in spectral and special domain with variable weight and OFDM system" in Optical and Quantum Electronics in July 2021 - June 2022. DOI: 10.1007/s11082-021-03004-9.

- Chakkarapani M, published an article titled "Identification and Localization of Array Faults with Optimized Placement of Voltage Sensors in a PV System" in IEEE Transactions on Industrial Electronics in July 2021 - June 2022. DOI: 10.1109/TIE.2020.2998750.

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- Gowd G.H presented a paper titled "Investigations on Microstructures by Using Friction Stir Processing" in Smart Innovation, Systems and Technologies in July 2021-June 2022, DOI: 10.1007/978-981-16-6482-3_53.
- Sahoo S presented a paper titled "Heteroatom doping of 2D graphene materials for electromagnetic interference shielding: a review of recent progress" in Critical Reviews in Solid State and Materials Sciences in July 2021-June 2022, DOI: 10.1080/10408436.2021.1965954.
- Borah J., Baruah S presented a paper titled "Miniaturization and Optimization of FR4 Based CPW-fed Antenna for Multiband Applications" in Radioelectronics and Communications Systems in July 2021-June 2022, DOI: 10.3103/S0735272721120049.
- Gowd G.H presented a paper titled "Parametric optimization by using friction stir processing" in AIP Conference Proceedings in July 2021-June 2022, DOI: 10.1063/5.0068218.
- Dhasarathan C presented a paper titled "A QoS Metric Approach for Web Service Pertinence for the Cloud" in Recent Advances in Computer Science and Communications in July 2021-June 2022, DOI: 10.2174/2666255813666200102123532.
- Mahboob A presented a paper titled "Ordered Γ-semigroups and fuzzy Γ-ideals" in Iranian Journal of Mathematical Sciences and Informatics in July 2021-June 2022, DOI: 10.52547/ijmsi.16.2.129.
- Denslin Brabin D.R presented a paper titled "A Visible Watermarking Scheme for JPEG Images Based on Modification of Frequency Coefficients" in Automatic Control and Computer Sciences in July 2021-June 2022, DOI: 10.3103/S0146411621050023.

Conference Papers

- Nallabala N.K.R presented a paper titled "A Study on Annealing Process Influenced Electrical Properties of Ni/CeO2/p-Si/Al Schottky Barrier Diodes" in Macromolecular Symposia in July 2021-June 2022, DOI: 10.1002/masy.202000228.

- Geetha Devi K.V presented a paper titled "Assessing the performances of vendor firms by optimization technique industry 4.0 GSC architectures" in International Journal of Social Ecology and Sustainable Development in July 2021-June 2022, DOI: 10.4018/IJSESD.2021070101.

- Mahboobb A presented a paper titled "Some New Concepts on Int-Soft Ideals in Ordered Semigroups" in New Mathematics and Natural Computation in July 2021-June 2022, DOI: 10.1142/S1793005721500149.

- Prasanna S presented a paper titled "Examining the factors influencing consumers' choice for electric vehicles in India" in International Journal of Electric and Hybrid Vehicles in July 2021-June 2022, DOI: 10.1504/IJEHV.2021.123482.

- Saha S presented a paper titled "Analysis of Thermal Enhancement in a Baffled Rectangular Channel with Different Forms of Outlet" in Journal of the Serbian Society for Computational Mechanics in July 2021-June 2022, DOI: 10.24874/jsscm.2021.15.01.02.

- Jagota V presented a paper titled "Research on logistics management layout optimization and real-time application based on nonlinear programming" in Nonlinear Engineering in July 2021-June 2022, DOI: 10.1515/nleng-2021-0043.

- Jagota V presented a paper titled "Study on fault identification of mechanical dynamic nonlinear transmission system" in Nonlinear Engineering, DOI: 10.1515/nleng-2021-0042.

- Shrestha H presented a paper titled "An NLP Based Sentimental Analysis and Prediction: A Dynamic Approach" in Communications in Computer and Information Science in July 2021-June 2022, DOI: 10.1007/978-981-16-8896-6_28.

- Mahboob A presented a paper titled "New types of fuzzy (m, n)-ideals in ordered semigroups" in Journal of Intelligent and Fuzzy Systems in July 2021-June 2022, DOI: 10.3233/JIFS-210378.

- Saha S., Kumar V. presented a paper titled "An elastic half space with a moving punch" in WSEAS Transactions on Applied and Theoretical Mechanics in July 2021-June 2022, DOI: 10.37394/232011.2021.16.27.

- Kumar M.N., Jagota V presented a paper titled "Retrospection of the Optimization Model for Designing the Power Train of a Formula Student Race Car" in Scientific Programming in July 2021-June 2022, DOI: 10.1155/2021/9465702.

- Patra J.P., Pradhan B.B presented a paper titled "A low complexity optimal lmmense channel estimator for OFDM system" in Journal of Communications Software and Systems in July 2021-June 2022, DOI: 10.24138/jcomss-2021-0042.

- Padmanabha Reddy Y.C.A. presented a paper titled "BAT algorithm-based feature selection: Application in credit scoring" in Journal of Intelligent and Fuzzy Systems in July 2021-June 2022, DOI: 10.3233/JIFS-189876.

- Wang N presented a paper titled "Preface" in Carbon Nanostructures in July 2021-June 2022, DOI: 10.1109/WCSN.2007.4475729.

- De S, Nayak G.C presented a paper titled "Recent Progress in Electrospinning Technologies for Graphene-Based Materials" in Carbon Nanostructures in July 2021-June 2022, DOI: 10.1007/978-3-030-75456-3_1.

- Shanmukhasundaram V.R presented a paper titled "Structural Synthesis and Classification of Epicyclic Gear Trains: An Acyclic Graph-Based Approach" in Lecture Notes in Mechanical Engineering in July 2021-June 2022, DOI: 10.1007/978-981-16-1769-0_62.

Conference Papers

- Singh M.M., Sivaiah P presented a paper titled "Characterisation of aluminium and alumina thin films coatings using different deposition methods for enhancement of optical properties" in International Journal of Materials Engineering Innovation in July 2021-June 2022, DOI: 10.1504/IJMATEI.2021.116943.

- Rajakumar R., Dinesh K presented a paper titled "An energy-efficient cluster formation in wireless sensor network using grey wolf optimisation" in International Journal of Applied Management Science in July 2021-June 2022, DOI: 10.1504/IJAMS.2021.116496.

- Jagota V presented a paper titled "Design and Simulation of Capacitive MEMS Switch for Ka Band Application" in Wireless Communications and Mobile Computing in July 2021-June 2022, DOI: 10.1155/2021/2021513.

- Mahboob A presented a paper titled "Interval-Valued m-Polar Fuzzy Positive Implicative Ideals in BCK-Algebras" in Mathematical Problems in Engineering in July 2021-June 2022, DOI: 10.1155/2021/1042091.

- Nagesha K.V, Munisingh M.S presented a paper titled "Influence Of Rock Properties On Emission Rate Of Particulates Matter (pm) During Drilling Operation In Surface Mines" in Iranian Journal of Earth Sciences in July 2021-June 2022.

- Ganga Devi S.V.S presented a paper titled "Cluster and outlier analysis for ground water quality data in the regions of kadapa district in andhra pradesh" in Recent Patents on Engineering in July 2021-June 2022, DOI: 10.2174/1872212113666190211144935.

- Patr, JP; Pradha, BB; Sing, P presented a paper titled "Direct evidence to control the magnetization in Fe3O4 thin films by N-2 ion implantation: a soft X-ray magnetic circular dichroism study" in Journal of Communications Software and Systems in July 2021-June 2022, DOI: 10.24138/jcomss-2021-0042.

- Jagota, V presented a paper titled "Analytical analysis of combined effect of interior guide tube and draft tube on cross flow turbine performance" in Scientific Programming in July 2021-June 2022, DOI: 10.1155/2021/9465702.

- Ahsan Mahboob presented a paper titled "Design and cost analysis of fish friendly kaplan tubine: A case study" in New Mathematics and Natural Computation in July 2021-June 2022,, DOI: 10.1142/S1793005721500368.

- D. R. Denslin Brabin presented a paper titled "Polyindole Booster for Ti3C2Tx MXene Based Symmetric and Asymmetric Supercapacitor Devices" in Automatic Control And Computer Sciences in July 2021-June 2022, DOI: 10.3103/S0146411621050023.

- Nanda Kumar Reddy Nallabala presented a paper titled "Statistical analysis of current-voltage characteristics in Au/Ta2O5/n-GaN Schottky barrier heterojunction using different methods" in Macromolecular Symposia in July 2021-June 2022, DOI: 10.1002/masy.202000228.

- Vishal Jagota presented a paper titled "Experimental Investigation and Optimization of Process Parameters in Ti - (6242) Alpha-Beta Alloy Using Electrical Discharge Machining" in Wireless Communications & Mobile Computing in July 2021-June 2022, DOI: 10.1155/2021/2021513.

- Ahsan Mahboob presented a paper titled "Sand-scrap tyre chip mixtures for improving the dynamic behaviour of retaining walls" in New Mathematics and Natural Computation in July 2021-June 2022, DOI: 10.1142/S1793005721500149.

- Shankar R presented a paper titled "Examination of the Non-Orthogonal Multiple Access System Using Long Short Memory Based Deep Neural Network" in Journal of Mobile Multimedia in July 2021-June 2022, DOI: 10.13052/jmm1550-4646.18214.

- Pattanayak S. presented a paper titled "Prediction of species concentration in syngas produced through gasification of different bamboo biomasses: a numerical approach" in International Journal of Energy and Environmental Engineering in July 2021-June 2022, DOI: 10.1007/s40095-022-00492-7.

Conference Papers

- Baruah S presented a paper titled "Analysis of Massive MIMO and Small Cells based 5G Cellular Networks: Simulative Approach" in Radioelectronics and Communications Systems in July 2021-June 2022, DOI: 10.3103/S0735272722060024.

- Saha S presented a paper titled "Numerical Study of Turbulent Airflow Structure and Transfer of Heat Having Trapezoidal Baffles Attached on the Walls and Centerline of the Rectangular Channel" in International Journal of Applied and Computational Mathematics in July 2021-June 2022, DOI: 10.1007/s40819-022-01252-1.

- Saravana R presented a paper titled "Thermal radiation and diffusion effects in MHD Williamson and Casson fluid flows past a slendering stretching surface" in Heat Transfer in July 2021-June 2022, DOI: 10.1002/htj.22443.

- Pabi D.J.A presented a paper titled "A study on the impact of emotional intelligence factors for the enhancement of workplace happiness with reference to the teaching faculty in Bangalore" in AIP Conference Proceedings in July 2021-June 2022, DOI: 10.1063/5.0074909.

- Adigopula V.K. presented a paper titled "A Simplified Empirical Approach for Prediction of Pavement Layer Moduli Values Using Lightweight Deflectometer Data" in International Journal of Pavement Research and Technology in July 2021-June 2022, DOI: 10.1007/s42947-021-00050-0.

- Mahboob A presented a paper titled "Bipolar Fuzzy Set Theory Applied to the Certain Ideals in BCI-Algebras" in Symmetry in July 2021-June 2022, DOI: 10.3390/sym14040815.

- Adigopula V.K. presented a paper titled "Possibilities and proposals of intelligent transportation system in the Indian context: a synthesis of the literature" in Innovative Infrastructure Solutions in July 2021-June 2022, DOI: 10.1007/s41062-021-00622-w.

- Nidhya R presented a paper titled "Minimizing path loss and improving security in wireless body area networks" in International Journal of Intelligent Unmanned Systems in July 2021-June 2022, DOI: 10.1108/IJIUS-09-2020-0047.

- Krishna S presented a paper titled "Green Supply Chain Performance Analysis Under Industry 4.0 Using Fuzzy Intellectual Approach" in International Journal of Social Ecology and Sustainable Development in July 2021-June 2022, DOI: 10.4018/IJSESD.289639.

- Vamsi B presented a paper titled "Prediction of Micro Vascular and Macro Vascular Complications in Type-2 Diabetic Patients using Machine Learning Techniques" in International Journal of Advanced Computer Science and Applications in July 2021-June 2022, DOI: 10.14569/IJACSA.2022.0131103.

- Saha S presented a paper titled "Influence of Different Types of Baffle Arrangement and Spacing on Hydrothermal Flow Phenomena Over a Rectangular Channel" in International Journal of Fluid Mechanics Research in July 2021-June 2022, DOI: 10.1615/InterJFluidMechRes.2022040394.

- Prithivirajan R presented a paper titled "Properties and Characteristics of Alkali Treated Calotropis Gigantea Fiber-Reinforced Particle-Filled Epoxy Composites" in Composites Theory and Practice in July 2021-June 2022.

- Jagota V presed a paper titled "Vibration Signal Acquisition and Computer Simulation Detection of Mechanical Equipment Failure" in Nonlinear Engineering in July 2021-June 2022, DOI: 10.1515/nleng-2022-0026.

- Manimaran A presented a paper titled "Convolutional Neural Networks Based Video Reconstruction and Computation in Digital Twins" in Intelligent Automation and Soft Computing, DOI: 10.32604/iasc.2022.026385.

- Jagota V presented a paper titled "A Retrospection of the Effect of Nitriding Processes on the AISI H13 Tool Steel" in Advances in Materials and Processing Technologies in July 2021-June 2022, DOI: 10.1080/2374068X.2022.2093012.

Conference Papers

- Mohan Krishna Varma N presented a paper titled "Effective Classification of Tweets Using Machine Learning" in Lecture Notes in Networks and Systems in July 2021-June 2022, DOI: 10.1007/978-981-19-0707-4_40.

- Jagota V presented a paper titled "Performance Analysis of Metamaterial-Inspired Structure Loaded Antennas for Narrow Range Wireless Communication" in Scientific Programming in July 2021-June 2022, DOI: 10.1155/2022/7940319.

- Sunitha P., Ahmad N presented a paper titled "Impact of Covid-19 on Education" in Lecture Notes in Electrical Engineering in July 2021-June 2022, DOI: 10.1007/978-981-16-7985-8_124.

- Arulkumar K., Vaigundamoorthy M presented a paper titled "Impact of the Flipped Classroom Approach in Engineering Education: A Course Analysis" in Journal of Engineering Education Transformations in July 2021-June 2022.

- Padma S presented a paper titled "Analyzing How E-Learning and Virtual Reality Could Be Integrated to Enhance Studies" in ECS Transactions in July 2021-June 2022, DOI: 10.1149/10701.13163ecst.

- Shankar R presented a paper titled "An Investigation of the MIMO Space Time Block Code Based Selective Decode and Forward Relaying Network over $\eta–\mu$ Fading Channel Conditions" in Journal of Telecommunications and Information Technology in July 2021-June 2022, DOI: 10.26636/jtit.2022.150421.

- Patra J.P., Pradhan B.B presented a paper titled "A DFT-based Low Complexity LMMSE Channel Estimation Technique for OFDM Systems" in Journal of Telecommunications and Information Technology in July 2021-June 2022, DOI: 10.26636/jtit.2022.148720.

- Denslin Brabin D.R., Saravanan K presented a paper titled "Early DDoS Detection and Prevention with Traced-Back Blocking in SDN Environment" in Intelligent Automation and Soft Computing in July 2021-June 2022, DOI: 10.32604/iasc.2022.023771.

- Jagota V presented a paper titled "A Global Optimization Algorithm for Intelligent Electromechanical Control System with Improved Filling Function" in Scientific Programming, DOI: 10.1155/2022/3361027.

- Jagota V presented a paper titled "Automatic Control Model of Power Information System Access Based on Artificial Intelligence Technology" in Mathematical Problems in Engineering, DOI: 10.1155/2022/5677634.

- B. Roy A presented a paper titled "Silent Listening to Detect False Data Injection Attack and Recognize the Attacker in Smart Car Platooning" in Studies in Computational Intelligence in July 2021-June 2022, DOI: 10.1007/978-3-030-97113-7_9.

- Vanitha K presented a paper titled "Data Analytics and Visualization Using Tableau on Prevalence of Alcoholic Drinks and Tobacco Products Among Young People in India" in Lecture Notes in Networks and Systems in July 2021-June 2022, DOI: 10.1007/978-981-16-8987-1_26.

- Adigopula V.K presented a paper titled "Comparison of Overlay Design in Between Lightweight Deflectometer and Benkelman Beam Deflection Test Results: A Case Study in India" in Lecture Notes in Civil Engineering in July 2021-June 2022, DOI: 10.1007/978-981-16-9963-4_14.

- Madhavi S presented a paper titled "Polymeric Dissipative Convection Flow from an Inclined Plane with Chemical Reaction: Numerical Study" in Journal of Applied and Computational Mechanics in July 2021-June 2022, DOI: 10.22055/jacm.2019.30582.1747.

Conference Papers

- Saha S presented a paper titled "Generation of Entropy of Turbulent EG-Water-Al$_2$O$_3$ Hybrid Nanofluid Flow Through a Channel of Rectangular Cross-Section" in International Journal of Ambient Energy in July 2021-June 2022, DOI: 10.1080/01430750.2021.1994465.
- Shivaprakash M.V presented a paper titled "Experimental Investigations on Utilization of Bagasse Ash in Adobe Bricks" in Lecture Notes in Civil Engineering in July 2021-June 2022, DOI: 10.1007/978-981-16-2826-9_31.
- Shanmukhasundaram V.R presented a paper titled "Topological Analysis of Epicyclic Gear Trains—Symmetry and Redundancy" in Lecture Notes in Mechanical Engineering in July 2021-June 2022, DOI: 10.1007/978-981-16-0550-5_118.
- Mahboob A. presented a paper titled "(m, n)-Hyperfilters in Ordered Semihypergroups" in Kragujevac Journal of Mathematics in July 2021-June 2022, DOI: 10.46793/KgJMat2202.175Y.
- Bhargava A presented a paper titled "Performance Study on Nanoparticle/Biodiesel Blends in CI Engine" in International Journal of Ambient Energy in July 2021-June 2022, DOI: 10.1080/01430750.2019.1694986.
- M. Pradeep presented a paper titled "Production of High Strength Eco-Concrete Incorporating Alccofine and Basalt Fiber" in Lecture Notes in Civil Engineering in July 2021-June 2022, DOI: 10.1007/978-981-19-1862-9_40.
- Mahantesh Neelawani presented a paper titled "Behavior of Fully and Partially Encased Stone Column in Black Cotton Soil" in Lecture Notes in Civil Engineering in July 2021-June 2022, DOI: 10.1007/978-981-19-1862-9_8.

Research Projects Sanctioned

- Dr. M. Sreedevi, Associate Professor, Department of CST, worked on "ISTE/AICTE-ISTE Orientation/Refresher Programme/2018-19" under AICTE, with a grant of ₹2,79,000.00. The program on "Deep Learning & Cyber Security" was conducted from 22nd to 27th Feb, 2021. Status: Completed.
- Dr. Adnan Abbasi, Associate Professor, Department of Mathematics, worked on "9th International Congress on Fundamental and Applied Sciences, Turkey" under DST, SERB, New Delhi - International Travel Grant, with a grant of ₹88,000.00. Ref No. ITS/2022/000448 Dated: 12-May-2022. The program was conducted from 28th to 30th June, 2022. Status: Completed.

Patents Published

- Dr. G. Hemath Kumar, Mr. H. Babu Vishwanath, Dr. Ilampooranan M K, Dr. Harinath Gowd, Dr. H. Mohit, Faculty of MITS, published a patent on "Design of Automatic Garden Sprinkling System with Mobile Alert" in June 2021. Patent No: 201941020830.

- Mr. Chandrasekhar Maalegoundla, Mrs. M. Hemalatha, Dr. D. Neelima Patnaik, Dr. Guru Sampath Kumar Ankisetty, Dr. Pothu Raju Tupati, Dr. S V G V A Prasad, Dr. Kartik N. Shinde, Dr. Arijit Bardhan Roy, Mr. Pradeep K G M, Dr. Kumara Swamy Jella, Mr. Nellore Manoj Kumar, Dr. G. Adilakshmi, Faculty of MITS, published a patent on "Nanostructured Gas Sensors for Healthcare and Medical Sector" in August 2021. Patent No: 202141035750.

- Dr. G. Hemath Kumar, Mr. H. Mohit, Dr. Sanjay Mavinkere Rangappa, Mr. H. Babu Vishwanath, Dr. B. Yogesha, Faculty of MITS, published a patent on "Plants Dry Stem Waste Nano Fiber Reinforced Polymer Composites" in August 2021. Patent No: 201941008534.

- Dr. Siva Shankar Ramasamy, Dr. K. Chokkanathan, Ms. Sai Sudha Gadde, Dr. Mohammed Saiim Khan, Ms. Natasha Sharma, Dr. Dinesh Bhatia, Mrs. Lincy N L, Mrs. Neenu Kuriakose, Mr. M. Vijayaragavan, Faculty of MITS, published a patent on "Blockchain-enabled Intelligent IoT Architecture with AI" in September 2021. Patent No: 202141038370.

- Dr. C Dhananjaya Rao, Dr. Mondithoka Krishna Prasad, Dr. Polinati Satya Sagar, Dr. Baburao Gaddala, Dr. H Joga Rao, Dr. Roshani A. Singh, Dr. Arijit Bardhan Roy, Dr. V. Nagalakshmi, Dr. Kartik N. Shinde, Mr. Venkateswara Rao Roniki, Mr. Nellore Manoj Kumar, Faculty of MITS, published a patent on "A Novel Method for Nano-carbon Energy-storage Material with Specific High Energy" in September 2021. Patent No: 202141037976.

- Dr. G. Hemath Kumar, Mr. A. Vasudeva Reddy, Dr. C. Yuvaraj, Dr. H Mohit, Faculty of MITS, published a patent on "Removal Apparatus for Cylindrical Polymer Matrix Composite (PMC) Parts Fabricated by Compression cum Extruder Method" in October 2021. Patent No: 201941027725.

- Dr. G. Hemath Kumar, A. Vasudeva Reddy, H Mohit, Faculty of MITS, published a patent on "Unidirectional Manufacturing of Luffa Fiber Reinforcement Polymer Matrix Composite Through Compression cum Extruder Die Set-up for Cylindrical Parts" in October 2021. Patent No: 201841043905.

- Dr. Mohammad Salameh Almahirah, Dr. Sachin Tyagi, Jitendra Kumar Chaudhary, Amit Taneja, Ms. Tarunika, Ravi Shankar, Faculty of MITS, published a patent on "Method to Transfer Electronic Medical Information in Secure Cloud Environment Using Blockchain" in November 2021. Patent No: 202111052180.

- Dr. Varalatchoumy M, Dr. Ganesh D R, Kisalaya Chakrabarti, Ravi Shankar, Dr. Mahendra Pratap Swain, Dr. Hakkim Devan Mydeen, Dr. Swati Sah, Anand Kumar, Faculty of MITS, published a patent on "Image Segmentation of Brain Tumors in 3D using Deep Learning" in December 2021. Patent No: 202141056821.

- Dr. S Padma, Dr. Althaf Ali A, Dr. K. Chokkanathan, R. Sivasubramanian, C N Rajalakshmi, Faculty of MITS, published a patent on "Automated Education Process with Feedback System using Machine Learning and AI" in December 2021. Patent No: 202141055281.

- Chanchal Kumar De, Shreya Arora, Ravi Shankar, Dinesh Kumar, V. Aruna, Sachin Lalar, Dibyendu Mukherjee, Aniket Kailas Shahade, Roshith P., Brijesh Sathian, Anvar Shathik J., Faculty of MITS, published a patent on "Machine Learning-Based Fraud Apps Detection Using Sentiment Analysis" in January 2022. Patent No: 202131058465.

- K. Karnavel, G. Arunkumar, S. Gopalakrishnan, S. Sahunthala, A. Vinodh Kumar, R. Thamarai Selvi, G. Sobers Smiles David, P. S. Eliahim Jeevaraj, Isac Gnanaraj J., M. Laavanya, S. Manikandan, S. Palani Murugan, Faculty of MITS, published a patent on "Intelligent Virtual Reality Kit to Succeed in Face Interviews" in March 2022. Patent No: 202241010100.

Patents Published

- L. Anantha Raman, Faculty of MITS, was granted a patent on "A Construction Site Supervision System Based on Internet of Things and Blockchain" in March 2022. Patent No: 202022100981.

- Muppa Lakshmana Rao, Faculty of MITS, was granted a patent on "Solar Powered Mini Cold Storage" in March 2022. Patent No: 356239-001.

- Kumar Manoj, Bhuvanapriyan S., P. V. Raja Shekar, Naresh Kumar Gurasala, K. Rajeshwar Rao, Jyothi Padmaja Koduru, Varsha Sao, M. Thirupathi, Rahul Kumar, Kapil Khatri, Manikandan K., Prashant Adsule, Faculty of MITS, published a patent on "Implementation of Multi-Junction Solar Cells for Increasing the Efficiency of Solar Energy Systems" in April 2022. Patent No: 202241021305.

- Harshwardhan Chandrakant Pandit, Navneet Kumar Agrawal, Nimish H. Vasoya, D. Saravanan, G. Arunkumar, Shashi Kant Gupta, D. Prabhu, Faculty of MITS, published a patent on "Advanced AI-Based Automation Technology in Manufacturing and Service Industries" in April 2022. Patent No: 202241017591.

- Shanmugapriya, J. Rachel Priya, R. S. Tharini, D. Saravanan, Jalpaben K. Patel, G. Arunkumar, Ravi Juniwal, Parul Bhargava, Raju Agrawal, Faculty of MITS, published a patent on "Trading and Earning Money Online Management and Notification System" in April 2022. Patent No: 202241022243.

- Duggineni Veeraiah, S. Raviraja, D. Saravanan, G. Arunkumar, D. Stalin David, U. Palani, Safdar Tanweer, Syed Sibtain Khalid, Kolli Srinivas, Shashi Kant Gupta, Faculty of MITS, published a patent on "Cloud Computing and IoT-Based Smart eCommerce Platform Method Thereof" in May 2022. Patent No: 202241028031.

- G. Karthik, Sandeep Singla, Shanthi S., Thaduri Suneetha, V. Kannan, S. Balamurugan, R. Maruthamuthu, Kannadasan B., J. Logeshwaran, Harishchander Anandaram, Gavendra Norkey, Manish Kumar Sagar, Faculty of MITS, published a patent on "The Maximum Capacity Estimation Model for Smart Apartment Management Using Wireless Sensor Network" in June 2022. Patent No: 202241034936.

- S. Raviraja, Geetha K., D. Saravanan, Ranjitsinh K. Nimbalkar, D. Stalin David, V. Tamizhazhagan, G. Arunkumar, Somanjoli Mohapatra, Vivek Solanki, Jyoti Solanki, Faculty of MITS, published a patent on "New IoT-Enabled Technology for Online Education System" in June 2022. Patent No: 202241027025.

- Balaji Damodharan, Faculty of MITS, filed a patent on "COVID Detection and Prevention of Spreading Using Thermal Cameras" in June 2022. Patent No: 202242037887.

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