SAVEETHA ENGINEERING COLLEGE

AUTONOMOUS

NAAC A GRADE

Affiliated to Anna University | Approved by AICTE

DRESTEIN'22

Topics for Paper Presentation

RULES

- *A Maximum number of participants in a paper presentation is limited to three.*
- *One person cannot be part of more than one paper presentation group.*
- *Bring Two hard copies of the paper.*
- *Mail your paper to dresteinpresentation@gmail.com*
- *Registration Fee Rs. 200/- per batch.*
- *Event Date - 18/11/2022.*

TRACK - 1 (CSE/IT/AI&DS/AI&ML)
• Data science • Artificial intelligence • Machine learning • Expert systems and intelligent agents • Information retrieval • Big data and analytics • Cyber-physical systems • Computer network and security • Ethical hacking • Mobile applications Development • Digital twins • Wireless network security • Cloud computing and ambient intelligence • Internet of Things • Soft Computing • Blockchain Technology • Robotics & Automation
TRACK 2 - (ECE/EEE/BME/MED/E&I)
• Electrical machines • Drives and control • Power Electronics • Electric and Hybrid Vehicles • Battery Management System • Power Systems • Renewable Energy Systems • Embedded Systems • Controllers for Robotics and drones • Machine Learning for Power System Applications • Smart Grids • System On-chip Design Challenges.

- Bio-Chip Technology.
- Space Solar Power.
- 3D Printing Technology.
- 5G Wireless Technology.
- Robotic Process Automation
- Green Engineering
- RF and Microwave Systems
- Signals and Speech Processing
- Digital Image Processing
- Pattern Recognition
- Virtual Instrumentation
- Control system
- Biomedical instrumentation
- Sensors and actuators in instrumentation
- Rehabilitation Engineering
- Clinical Instrumentation
- Telemedicine
- IoT in medicine
- Biosensor
- Prosthetic Designs
- Biomaterial Design and Development
- Bio-MEMS.
- Medical Informatics
- Bio signal processing.
- Medical image analysis
- Nanotechnology for medical applications

TRACK 3- (MECH/CIVIL/CHEMICAL/AGRI)

- Applications of IoT in Civil Engineering
- Smart materials in Construction Industry
- Construction Industry - Turning waste to wealth
- Application of AI & ML, IoT and 3D Printing in Chemical Industry
- Sustainable Energy & Energy Conservation
- Wastewater Treatment
- Solid Waste Management & Recycle
- Computational Modelling & Simulation
- Process Design & optimization
- Separation Techniques
- Catalysis & Reaction Engineering
- Petrochemicals & Biofuels
- Renewable & Green Technology
- 3D printing (Additive manufacturing)
- Interconnected Machines
- Digital Manufacturing
- Alternative Energy (Solar energy and other renewable energies)
- Mechatronics
- Smart Materials/Composites
- Automation and Intelligent System
- CAD-CAM Sustainability
- Protect natural resources while developing reusable ones
- Decrease the amount of energy used (or work with renewable

sources) ● Consider and curtail pollutive output and waste in manufacturing
TRACK -4 Management Studies
● Issues and challenges of start-ups ● E - Customer relationship management ● International trading theory ● Impact of AI on entrepreneurs ● Educational opportunities in foreign countries ● Impact of AI in digital marketing ● Green HRM ● Search engine optimization ● Financial literacy ● Bitcoins

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