



Backward Class Youth Relief Committee's

# K.D.K. COLLEGE OF ENGINEERING NAGPUR (M.S.)



# SPARK'21



XVII Online National Conference on Emerging Technology & Trends in Engineering

30<sup>th</sup> May, 2021

Special Award for Innovative Research Contents

Best Paper Presentation Award in each Discipline

- Student Co-ordinators :**
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  - Ms. Tejashree Wanjari - 9284901917
  - Mr. Aditya There - 8888336645
  - Mr. Tejas Deshmukh - 7744935294
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  - Mr. Santosh Sarode - 8999165769
  - Mr. Nikhil Likhkar - 9970858829
  - Mr. Prerit Sambharkar - 7470820121
  - Mr. Piyush Timande - 7796008332
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**PAPER PRESENTATION**  
Group of 3 to 5 author  
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**\* Certificates will be issued to all the registered participants.**

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## TOPICS:

- Area 1: Mechanical Engineering**
- New Trends in Automobile
  - Mechatronics
  - Thermal Engineering
  - Non-Conventional Energy System
  - CAD/CAM/CAE & Design
  - Six Sigma/Lean Manufacturing
  - Refrigeration, Air Conditioning & Cryogenics
  - Low Cost Automation
  - Finite Element Analysis
- Area 2: Electrical Engineering**
- Power Generation, Transmission and Distribution
  - Renewable Energy Technology
  - FACTS and its Application
  - Energy Audit and Management
  - Drives, Control & Automation
  - Power Quality Monitoring & Measurement
  - Recent Trends in Electrical Engg.
  - High Voltage Engineering and Insulation Tech.

- Area 3: Civil Engineering**
- Computer Application in Civil Engg.
  - Earthquake Resistant Structure
  - Rehabilitation of Structures
  - Environmental Engg.
  - Geo-Technical Engg.
  - Hydraulics Engg.
  - Smart Material/ Smart Structure
  - Structural Engineering
  - Advances in Civil Engineering
- Area 4: Electronics Engineering**
- Analog Electronics (Applications)
  - Fuzzy Logic & Neural Network
  - Biometric/Bio-Informatics
  - Wireless Communications
  - Advance Sensors
  - CMOS and VLSI
  - DSP and DIP
  - Robotics & Embedded system

- Area 5: Computer and Information Tech**
- Grid / Cloud Computing
  - Distributed & Parallel Computing
  - Image Processing & Computer Vision
  - Internet of Things(IoT)
  - Deep Learning
  - Artificial Intelligence
  - Evolutionary Computing
  - Business Intelligence
- Area 6: Basic Science & Humanities**
- Engineering Materials & Their Scope
  - Energy Conservation
  - Laser and Its Application
  - Application of Fiber Optics
  - Luminescent materials & its application LED, Solar Cell etc.
  - Application of Differential Equation in Engineering
  - Numerical Method to solving Differential Equation
  - Importance of Communication
  - Ethics in Professional Life

- Area 7: M.B.A.**
- Impact of Social Media
  - Unemployment in Current Scenario Causes & Cure
  - Mutual Funds-An Emerging Investment Option

