

**NCETSE 2019**  
**DAY 1 – 26 APRIL 2019**

<b>08:30 A.M. – 09:30 A.M.</b>		<b>Registration and Breakfast</b>	
<b>09:30 A.M. – 11:00 A.M.</b>		<b>Inaugural Session</b> <b>Welcome Remarks:</b> Principal, SMVITM, Bantakal <b>Inaugural Speech:</b> Dr. P G Diwakar, Scientific Secretary, ISRO, Bengaluru	
<b>11:00 A.M. – 11:15 A.M.</b>		<b>Networking Coffee Break</b>	
<b>11:15 A.M. – 12:00 Noon</b>		<b>Invited Talk:</b> Dr. Paresh Chandra Deka, NITK Surathkal	
<b>12:05 P.M. – 01:15 P.M.</b>		<b>Concurrent Sessions</b>	
<b>Track A1: Computer Science and Engineering</b> <i>Seminar Hall (Admin Block)</i>	<b>Track B1: Computer Science and Engineering</b> <i>Lecture Hall 204 (Admin Block)</i>	<b>Track C1: Civil Engineering</b> <i>Lecture Hall 010 (EC Block)</i>	<b>Track D1: Civil Engineering</b> <i>Lecture Hall 011 (EC Block)</i>
Fake Image Recognition using Metadata and Error Level Analysis using Machine Learning	Congestion and Collision Avoidance Using Secure Priority based Distributed Approach for Wireless Sensor Network	Comparative Studies on the Strength Parameters of Poly Propylene Fiber Reinforced Concrete & Steel Fiber Reinforced Concrete	A Study on Risk Assessment and Mitigation Techniques for City Surveillance Projects
Analysis of PID Control Algorithms for Transfer Function Model of Electric Vehicle	Reliable Data Security Architecture for Optimized QOS Using Multipath Routing Protocol in WSN	Assessment of Suitability of CHIRPS Rainfall Data for Streamflow Forecasting Using GA-ANFIS	Assessment of Coral Bleaching along Andaman Islands during 2016
AI Based Self Driving Toy Car	Enhanced Fuzzy Based Secure Architecture to Detect the Malicious Activity	Crop Pattern Change and Crop Water Requirement Analysis using Remote Sensing and GIS Techniques: A Case Study	Assessment of Road Safety Audit of NH-69 (Bhadravati-Shivamogga), Karnataka State, India
Ambient Assisted Living: A Review on Human Activity Recognition and Vital Health Sign Monitoring using Deep Learning Approaches	Fuel Tanker Truck Safety System	Estimation and Quantification of Erosion Prone Regions in Joginamane Sub-Watershed of Uttara Kannada District: An Approach using RS and GIS	Strength and Durability Studies of Recycled Aggregate Concrete Blended with Additives
Comparison of Machine Learning Algorithms for Diabetes Dataset with and without Feature Selection	Implementation of Infant Monitoring Smart Cradle using Internet of Things	Implementation of 4D/5D BIM in Large Scale Construction Project	Challenges of Earned Value Management Application in Indian Construction Industry
<b>01:15 P.M.– 02:00 P.M.</b>		<b>Lunch Break</b>	

<b>2:00 P.M. – 2:45 P.M.</b>		<b>Invited Talk: Dr. Arun Isloor, NITK Surathkal</b>	
<b>2:45 P.M. – 03:45 P.M.</b>		<b>Concurrent Sessions</b>	
<b>Track A2: Basic Science and Mechanical Engineering</b> <i>Seminar Hall (Admin Block)</i>	<b>Track B2: Basic Science and Mechanical Engineering</b> <i>Lecture Hall 204 (Admin Block)</i>	<b>Track C2: Electronics and Communication Engineering</b> <i>Lecture Hall 010 (EC Block)</i>	<b>Track D2: Electronics and Communication Engineering</b> <i>Lecture Hall 011 (EC Block)</i>
A Review of Transition Metal Oxides as Electrode Materials for Super Capacitors	Smart Automatic Urinal Flusher and Cleaner for Clean India Mission	Detection of Arrhythmia by The Analysis of De-Noised ECG Signal Using Wavelet Transform Technique	32-Bit RISC Microprocessor Design with 5 Stage Pipelining Verilog HDL and Implementation on FPGA Board
An Age-Dependent Stochastic Two-Stage Model for Carcinogenesis	Effect of sintering time and reinforcements on the density, hardness properties of aluminium reinforced with CNT and FA composites.	Energy Efficiency Analysis using IEEE 802.15.6 Standard in Body Area Network	Wind Hydro Coordination for Enhanced Worth of Wind Power and Potentials in Karnataka State of India
Cryptographic Advantages of Algebraically Constructed Near Bent Functions	Study And Comparison of Mechanical and Thermal Ability Properties of Composite Materials Reinforced using Natural Fibers and Ash as a Filler Materials	A Silent Verbal Interface System For Speech Disabled Person Using ICT	Performance Analysis of Grid Connected Solar Photovoltaic Power Plant (GCSPYP) GB
Arithmetic Progressions in Quadratic Residue	Design and Fabrication of Radiant Cooling Panel using Optimized Flow Parameters	Intelligent Traffic Management using Wired Sensor Network	Auto Removal of Bright Spot from Images Captured Against Bright Source of Light
<b>3:45 P.M. – 4:00 P.M.</b>		<b>Networking Coffee Break</b>	
<b>4:00 P.M. – 4:45 P.M.</b>		<b>Concurrent Sessions</b>	
Prior Solutionising Deformation Consequence on the Aging Characteristics of Steel Powder Reinforced Al 7075 Composites	Design and Fabrication of Pepper Separator and Collector	Real Time Animal and Bird Repellent System	Design and Fabrication of automatic food serving system
Investigation of Microstructure, Mechanical and Corrosion Behaviour of Ball-burnished Biodegradable Mg-Zn alloy	Design and fabrication of water tank cleaner	A Novel Approach to E-Science - Serverless Semantic E-Science Framework (SSE-SF)	Smart Automatic Urinal Flusher and Cleaner for Clean India Mission
Modification of Existing Seed Drill Machine	Studies on Production of Bio-Fuel using composite materials	Mathematical principles for predicting reliability control parameters of pipe armature for transport energy systems	Smart Headlight System

**DAY 2**  
**27 APRIL 2019**

<b>8:30 A.M. – 9:00 A.M.</b>		<b>Registration and Breakfast</b>	
<b>9:15 A.M. – 10:00 A.M.</b>		<b>Invited Talk: Dr. G. S. Dwarakish, NITK Surathkal</b>	
<b>10:00 A.M. – 11:45 A.M.</b>		<b>Concurrent Sessions</b>	
<b>Track A3: Computer Science and Engineering</b> <i>Seminar Hall (Admin Block)</i>	<b>Track B3: Computer Science and Engineering</b> <i>Lecture Hall 204 (Admin Block)</i>	<b>Track C3: Civil Engineering</b> <i>Lecture Hall 010 (EC Block)</i>	<b>Track D3: Civil Engineering</b> <i>Lecture Hall 011 (EC Block)</i>
Labour Management Android Application	Soldier's Health and Position Tracking System Using IOT	Effect of Lime and Alkali Activated Fly Ash on Black Cotton Soil Stabilization	Implementation of Techniques and Its Management on Constructional Activities
Performance Evaluation of Address Auto Configuration Protocols in Mobile Ad-Hoc Wireless Networks	Pancyclicity of Double Vertex Graphs	Study of Settleable Particulate Matter Present in Ambient Air at Gulbarga City using Dust Fall Jar and Natural Receptor	Laboratory Investigations on Performance of Enlarged Pile Head Breakwater
Preventing Blackhole Attack in Manet with a Reliability Index based AODY Protocol	A Survey of Various Multicast Routing Protocols with and Without Crops Layer Techniques in Manet	Chemical Analysis of Various Ureolytic Bacterial Activity and Its Effects on Strength of Concrete	Modeling Actual Evapotranspiration using the Advection Aridity Model
Deep Learning in Data Science	Structural Topology Optimization for Static and Dynamic Load Cases	Numerical Investigation of Wave Interaction with Enlarged Pile Head Breakwater	Physical Model Studies on Enlarged Porous Pile Head Breakwater
Data Visualization for analyzing the effect of climate change for Patna city	Study of Entrepreneurial Intention among final year Engineering students of coastal Karnataka region	Studies on Eco-friendly Alkali Activated Concrete Incorporating Industrial Wastes	Integrated Spatial assessment of land and water resources in watershed for sustainable growth
Soft Computing Approach to Predict Rainfall	Computer Assisted Development of Mechanical Alignment Fixture for Precision Assembly of Thrust Vector System	Numerical Modelling of Wave Transmission Through Porous Enlarged Pile Head Breakwater	Risk Information Model Involving Construction of High-Rise Buildings in Selected Zones of Udupi District Having Laterite Soil
<b>11:45 A.M.– 12:00 Noon.</b>		<b>Networking Coffee Break</b>	
<b>12:05 P.M. – 1:00 P.M.</b>		<b>Awards and Valedictory (Seminar Hall – Admin Block)</b>	
<b>1:00 P.M. – 02:00 P.M.</b>		<b>Lunch</b>	