

NCTT 2017

Schedule

Dept : Mechanical Engineering

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|---------------|----------------------------------|
| Stream | Machine Design |
| Venue | Mechanical Seminar Hall 2 |
| Date | 21/07/2017 Friday |
| Time | 1.30 pm – 4.30 pm |

| Sl. No. | Paper ID | Title | Authors |
|----------------|-----------------|---|--|
| 1 | 107 | Wear Characteristics of AA2219 Sliding Against FSW Tool Materials using Block-On-Ring Tribometer | PAUL PANICKER N Sasi V R Rajeev Asok Kumar |
| 2 | 111 | Tensile and Compressive Strength Analysis of Composite Structures with a Hole | AKHIL HARI Gopalakrishnan K C |
| 3 | 113 | Order Analysis of Bevel Gear Vibration Signals | SREE RANJAN R Samson A |
| 4 | 122 | Failure and Delamination Damage Analysis of Adhesive Bonded Composite Joints and Experimental Validation | NITISH KUMAR Gopalakrishnan K C |
| 5 | 184 | Aluminum Metal Matrix Composites: A Review on Various Production Methods and Fatigue Characteristics | NIKHIL VENUGOPAL Rajkumar M R Mini R S Rani S |
| 6 | 287 | Effect of Indentation on Crack Growth Rate of 7075 Aluminium Alloy | JIBIN V Unnikrishnan M Farook A |
| 7 | 319 | Analysis of a Cantilever Beam Subjected to Large Deformation under Follower Force | MOHAMMED SHAFEEQUE K K |
| 8 | 375 | Frequency Dependence of Ultrasonic Wave Attenuation in Microstructures Generated using Voronoi Tessellation | ANANTHA MAHADEVAN S Mini R S |

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|---------------|------------------------------|
| Stream | Financial Engineering |
| Venue | Software Lab |
| Date | 21/07/2017 Friday |
| Time | 1.30 pm – 4.30 pm |

| Sl. No. | Paper ID | Title | Authors |
|----------------|-----------------|---|-------------------------------------|
| 1 | 132 | Feedforward Neural Network Design for Stock Prediction using Technical Indicators | DHANYA R K Unnikrishnan V S |
| 2 | 158 | Performance of Socially Responsible Stock Portfolios in Indian Scenario | REMYA KRISHNAN Sabu K |
| 3 | 179 | Application of Deep Learning Techniques for Future Portfolio Selection | ANUKRISHNAN T S Unnikrishnan V S |
| 4 | 202 | Comparative Analysis of Mutual Fund Portfolio Holdings | VIVEK P |
| 5 | 251 | A Trading Decision Model Based on Technical Analysis | AKASH M R REGI KUMAR V |
| 6 | 271 | A Portfolio Management using Stocks | THAMEEM R S Sabu K |
| 7 | 279 | Risk Analysis in Commodity Market using Hedge Ratio Models | ARJUN NAIR |
| 8 | 367 | Credit Risk Prediction using Artificial Neural Network | ARYA R |

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|---------------|--|
| Stream | Thermal Science & Engineering |
| Venue | Seminar Hall 1 |
| Date | 21/07/2017 Friday |
| Time | 1.30 pm – 4.30 pm |

| Sl. No. | Paper ID | Title | Authors |
|----------------|-----------------|--|--------------------------------|
| 1 | 33 | Numerical Analysis of Natural Convection Heat Transfer in an Enclosure with Different Heater Profiles using Nanofluids | SARAVANA KUMAR S Anjan Nair |
| 2 | 47 | Performance, Emission Characteristics of a C. I. Engine using Nano Particle and Biodiesel Blended Diesel Fuel Emulsion. | Abhilash S |
| 3 | 76 | A CFD Analysis of the Flow Inside a Steam Ejector to Identify the Suitable Refrigeration Operating Conditions | NAVEEN GEORGE |
| 4 | 100 | Optimization of Matrix Heat Exchanger Surfaces | ASHISH NAIR Krishnakumar K |
| 5 | 105 | Coalescence Study on Hydrophilic and Hydrophobic Surfaces | JITHU ELDOE Ranjith Kumar |
| 6 | 148 | Computational Study of Laminar Mixed Convection in Lid-Driven Square Cavity | ASWIN KUMAR S Asok Kumar |
| 7 | 153 | Fabrication and Performance Analysis of a Tube in Tube Compact Heat Exchanger with Wire Mesh Packing in Annular Space as Extended Heat Transfer Surface | MATHEWS JOHNS |
| 8 | 301 | Fabrication and Performance Analysis of a Tube in Tube Compact Heat Exchanger with Wire Mesh Packing within Inner Tube as Extended Heat Transfer Surface | AJAY KUMAR S |
| 9 | 313 | Numerical Study on Heat Transfer and Pressure Drop on Channels with Inline Triangular Ribs | SARATH BABU |
| 10 | 371 | Forced Convection Studies from a Flat Plate with an Adiabatic Square Rib at the Leading Edge | ARUN BABU Santhosh K S |

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| Stream | Propulsion Engineering |
| Venue | Seminar Hall 3 |
| Date | 21/07/2017 Friday |
| Time | 1.30 pm – 4.30 pm |

| Sl. No. | Paper ID | Title | Authors |
|----------------|-----------------|---|--|
| 1 | 40 | Numerical Study of the Flow in an Axisymmetric Expansion - Deflection Nozzle | MIDHUN THOMAS |
| 2 | 159 | Flow Analysis and Combustion Modeling of a Scramjet Combustor | AMSHA S Abhilash Suryan Dileep K N |
| 3 | 199 | Experimental Study of Natural Convection Heat Transfer in Horizontal Concentric Water Filled Annulus with Heated Inner Cylinder | MIDHUN NATH T |
| 4 | 275 | Study of Effects of Interface Geometry in Superhydrophobic Microchannels | MATHEW GEORGE Ranjith S Kumar |
| 5 | 296 | Numerical Model of Thruster Based Propulsion System Discharging a Weight through an Ejection Tube | ANISHA VIJAY |
| 6 | 305 | Modeling and Simulation of Granular Propellant Combustion in a NASA Standard Initiator | ANNIE ELIZABETH |
| 7 | 347 | Experimental Study of Self-Propelled Leidenfrost Droplets | SANGEETH RAMESHAN Ranjith Kumar |
| 8 | 377 | Numerical Analysis of Heat Transfer on Rib Roughened Vertical Plate | ADEEB |

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|---------------|-------------------------------|
| Stream | Industrial Engineering |
| Venue | Software Lab |
| Date | 22/07/2017 Saturday |
| Time | 9.30 am – 12.30 pm |

| Sl. No. | Paper ID | Title | Authors |
|----------------|-----------------|--|--|
| 1 | 55 | Location Allocation Models for Public Sector ALS Ambulance Networks in Thiruvananthapuram City | Chinthu V Kumar Bijulal D |
| 2 | 56 | Modelling of Stroke Prediction using Decision Tree Algorithm | GOUTHAM THOPPIL Bijulal D |
| 3 | 58 | Evaluation of Criteria in Selecting Third Party Reverse Logistics Partners by using Fuzzy Analytic Hierarchy Process | AKASH D Asok Kumar N |
| 4 | 66 | Evaluation of Flowshop Scheduling Problems with Sequence Dependent Setup Times using a Hybrid Algorithm | SWAROOP JOSEPH P S Sabu K |
| 5 | 254 | A Methodology to Detect Tables from Born-Digital PDF Documents using Deep Learning | SHICHIN C Unnikrishnan V S |
| 6 | 257 | Detection and Extraction of Tabular Data from PDF Documents using Deep Learning | VINAY CHANDRAN A C Unnikrishnan V S |
| 7 | 291 | Quality Enhancement of WELBOUND 2000 using Six Sigma DMAIC Approach | LIJUMON S Vinod M |
| 8 | 292 | Analysis of Road Accidents Before and After Implementation of Speed Violation Detection Systems | DEEPAK S REGI KUMAR V |
| 9 | 314 | Inventory Policy for a Pharmaceutical Supply Chain | SANJAY NARAYANADAS REGI KUMAR V |
| 10 | 368 | Discrete Postural Evaluation of Computer Professionals using RULA Method | VISHNU SASIKUMAR Binoosh S A |