

# MALNAD COLLEGE OF ENGINEERING, HASSAN

## Department wise List of Research Scholars

### Civil Engineering

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Ranjith A USN:4MC11PCN01	2011	Dr. K. Manjunath	Time Effects on Reliability of RC Beams
2.	K S Manjunath	2011	Dr. M. S. Kalappa/ Dr. M. T. Venuraju	An Investigation of the Characteristics of Vibrated and Self Compacting Concrete using Soil as Fine Aggregate Replacing Sand Fully or Partially
3.	Amar R	2013	Dr. K. Manjunath	Suitability of Alkali Activated Binder in Light Weight Mortar and Concrete as an Alternative Construction Material
4.	Tejaswini B G USN:4MC13PCN02	2013	Dr. K. Manjunath/ Dr. K. Balaji Rao	Performance Based Design of Steel Moment Resisting Frames Subjected to Far and Near Field Seismic Excitations
5.	Sagar M S USN:4MC15PCJ01	2014	Dr. M.S. Kalappa	Optimum design of tuned liquid damper to reduce tall building responses against earthquake excitation
6.	Sandya D S USN:4MC15PCJ03	2014	Dr. M.S. Kalappa	Design and prediction of mechanical properties of different types of concrete with synthetic fibres using artificial neural network
7.	Raghu K S USN:4MC15PCJ02	2014	Dr. M.S. Kalappa	Seismic response of broad and slender elevated circular RC water tanks using varying(ellipsoidal) concave frictionless pendulum isolater
8.	Govindakrishna M USN:4MC16PCJ01	2015	Dr. A J Krishnaiah	A parametric study on thermal conductivity of concrete slab and walls of residential buildings
9.	Supriya M J USN:4MC17PCA01	2016	Dr. A J Krishnaiah	Evaluation of Engineering Properties of fine Grained Expensive soil in Presence of Industrial Waste Bi-Products and other Additives for Road Construction
10.	Gowtham. D.R. USN:4MC19PCV01	2019	Dr. A J Krishnaiah	Behavior of expansive soil stabilized with coir fibre and bagasse ash
11.	Hemanth R USN:4MC19PCV02	2019	Dr. A J Krishnaiah	Development and durability studies on soil based SCC

## Mechanical Engineering

M.Sc. Engg. by Research				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Chethan M H	2011	Dr.H.V. Ramakrishna	Performance Improvement in Agile Manufacturing using Discreet Event Simulation
2.	Anil Wilson Alvares USN:4MC17MMA01	2016	Dr. Pradeep. S. (Dr. Rudragouda M Kanasogi)	Friction stir processing of al-mg alloy under different tool pin geometries
3.	Kiran Kumar N USN:4MC17MMA02	2016	Dr. Pradeep. S. (Dr. Rudragouda M Kanasogi)	Modeling analysis of active constrained layer damping of geometrically nonlinear vibrations for smart laminated composite plates using 1-3 piezoelectric composites and experimental validation
4.	Chandra K USN:4MC17MMA03	2017	Dr. Srinath M. S.	Studies on Machinaeability Aspects of Microwave Irradiated Coated Cutting Tool

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Honoca P USN:4MC13PMN05	2013	Dr.H.V. Ramakrishna	Numerical Analysis of Lubricating Oil in Rolling Contact Bearings.
2.	Rajshekar B A USN:4MC13PMN03	2013	Dr.H.V. Ramakrishna	Study Of Fumes Extraction And Hard facing Of Mild steel Plates By Submerged Arc Welding
3.	Amit kumar Advekar USN:4MC13PMN02	2013	Dr. Y. Arun Kumar/ Dr. Srinath M. S.	Virtual Casting for Predicting the Effect of Critical Parameters in Metal Casting Process.
4.	Rakesh D USN:4MC13PMN07	2013	Dr. B. Yogesha	Analysis and Optimisation of Airframe Joints by Composite Materials- An FEA Approach
5.	Megha Anand S A USN:4MC15PMJ04	2014	Dr. Y. Arun Kumar/ Dr. Srinath M. S.	Design Optimization, Correlation between Test and Analysis for Fatigue Strength using FEM based Simulation
6.	Shivashankar B S USN:4MC15PMJ02	2014	Dr. S. Pradeep	Friction stir processing of Al metal matrix composites and Optimization OF Process parameter s by applying Numerical Simulations
7.	Pratap M S USN:4MC15PMJ05	2014	Dr. Amarendra. H. J	Characterization and Erosion Behaviour of Surface Modified Martensitic Stainless Steel
8.	Karthik S (FT)	2014	Dr. Amarendra. H. J	Development and Evaluation of Slurry Erosion Test Ring
9.	Raghavendra Rao R USN:4MC15PMJ03	2014	Dr. Pradeep. S	Modelling the Effect of Temperature on Micro Structural and Mechanical Properties

				in Friction Stir Processing of Aluminium Metal Matrix Composite using 3D CFD Analysis
10.	Amriya Tasneem H R USN:4MC15PMJ08	2014	Dr.H.V. Ramakrishna	Analysis & evaluation of engine performance with bio fuel through condition monitoring
11.	Kuldeep B USN:4MC15PMJ09	2014	Dr. Ravikumar K P/ Dr. S Pradeep	Studies on the dynamic behaviour and mechanical properties of particle reinforced aluminium MMC for Automobile components
12.	Prasanna Kumar B N USN:4MC16PMJ01	2015	Dr. Amarendra. H. J	Evaluation of slurry erosion test rigs
13.	Pradeep D G USN:4MC16PMJ03	2015	Dr. C. V. Venkatesh	Studies on Tribological behaviour and characterization of HVOF sprayed CoCr-based composite coatings
14.	Natesha C P USN:4MC16PMJ04	2015	Dr. Y M Shashidhara / Dr. Amarendra. H. J	Studies on the Tribological characteristics of formulated vegetable oils as cutting fluid
15.	Sunil Kumar H S USN:4MC16PMJ05	2015	Dr. S. Mohan kumar	Modelling, Analysis and Development of multipurpose indoor and outdoor robotic systems using virtual prototyping Techniques
16.	Yogish C K (FT) USN:4MC16PMJ06	2015	Dr. S. Pradeep	Experimental investigation and numerical simulation of MFSP Al-Mg Alloy under various tool geometries
17.	Vinay S S USN:4MC16PMJ07	2015	Dr. C.V. Venkatesh	Evaluation of mechanical and thermal properties of composite with nano fillers for engineering applications
18.	Sharath B N USN:4MC17PMA01	2016	Dr. C.V. Venkatesh	Evaluation of mechanical properties of high temperature hybrid metal matrix composites for Tribological applications
19.	Honnaiah C	2016	Dr. Srinath M. S	Study of mechanical and tribological characteristics of microwave processed al-sic metal matrix composite
20.	Krishnamurthy K B USN:4MC13PBN01	2016	Dr. S. Mohan kumar	Sensor Less Vector Control of Induction Motor Drives
21.	Madhukumar I M USN:25D13PMN02	2016	Dr. S. Mohan kumar	Applications and Development of Collaborative Digital Manufacturing Techniques for Cycle Time Reduction in Automotive Industries
22.	Madhu K S USN:4MC17PMA04	2016	Dr. C. V. Venkatesh	Synthesis, Characterization and Evaluation of Mechanical, Tribological Behaviour of Al-7029 Hybrid Composite
23.	Sandeep S	2017	Dr. Ravikumar K P	Investigation on Physical & Mechanical Characterization of Natural Fiber Reinforced Polymer Composites
24.	Athith D	2017	Dr. B. Yogesha	Studies on effect of filler and natural/Synthetic Rubber for Natural Fiber composites

## Electrical & Electronics Engineering

M.Sc. Engg. by Research				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Nagarjuna Y	2013	Dr.Vishwanath Hegde	Evaluation of Energy Savings from the Intermittent Energization of Electrostatic Precipitators at Coal Fired Utility Boilers

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	L. Kumarswamy USN:4MC11PEN01	2011	Dr.G.K.Purushothama	Intelligent Statistical Analysis of Power System Equipment
2.	Paramesha K USN:4MC12PEN01	2012	Dr.Vishwanath Hegde	Investigation on the Performance of Multi Level Substation Grounding
3.	Shruti K USN:4MC13PEN01	2013	Dr.M.S. Raviprakash	Power Quality Issues in Automated Electrical Distribution Systems
4.	Ramya M V USN:4MC15PEJ01	2014	Dr.G.K.Purushothama	Effective and optimized approach of process planning using evolutionary algorithm
5.	Manjunatha H M USN:4MC15PEJ03	2014	Dr.G.K.Purushothama	AI Algorithms for smart grid management using multi agent approach
6.	Manjunath(FT) USN:4MC18PEE02	2018	Dr. H. N. Suresh	Parameters Extraction Technique for Photo-Voltaic models and their Performance Assessment Studies
7.	Dhavala R.K. USN:4MC18PEE01	2018	Dr. H. N. Suresh	Development of Optimal Hybrid Renewable Energy Model for the chosen Remote Areas
8.	Sushma. N. USN:4MC19PEE03	2019	Dr. H. N. Suresh	Design and Performance Analysis of Label-free Biosensor Involving Photonic Crystal Based Ring Resonator for Environmental Pollutants Detection
9.	Sandeep. N.R.	2019	Dr.M.S. Raviprakash	Hybrid AI based Control Algorithm for Autonomous Electric Vehicles
10.	Arjun GT(FT)	2019	Dr. N.S. Jyothi	Design and Implementation of Control Strategy for Induction motor-driven Electric Vehicle
11.	Varaprasad NL USN:4MC19PEE04	2019	Dr. S. Rajanna	Development of Integrated Solar-Wind based Charging station for Plug-in Hybrid Electric Vehicles
12.	Neethu VS	2019	Dr. N.S. Jyothi	Investigation on Impact of Electric Vehicles on Electric Grid
13.	Shruthi KH USN:4MC19PEE05	2019	Dr. S. Rajanna	Optimal Design of FET base Grid Connected Inverter
14.	Kavitha Madhavan	2019	Dr.M.S. Raviprakash /Dr.G. K. Purushottam	Integration of Electric Vehicles with Smart Grid-Future Trends and Challenges

## Electronics & Communication Engineering

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Adarsh D	2013	Dr. P. C. Srikanth/ Dr. M. V. Satyanarayana	Energy Efficient Wireless AD HOC Network
2.	Ravikumar M N USN:4MC15PEJ05	2014	Dr. B R Sujatha	ECC for multimedia in wireless networks
3.	Siddiq Iqbal USN:4MC15PEJ04	2014	Dr. B R Sujatha	Efficient KEY Management schemes for security in wireless sensor networks
4.	Lakshman D(FT)	2015	Dr. P. C. Srikanth	Photonic Crystal Based Filter
5.	Baby H T USN:4MC16PEJ04	2015	Dr. B R Sujatha	CHAOS Based KEY Generation for CRYPTO-SYSTEMS
6.	Satheesh M K USN:4MC16PEJ05	2015	Dr. H S Mohana	Adaptive OFDM-MIMO Techniques for Wireless Sensors Networks
7.	Hussana Johar R B (FT) USN:4MC16PEJ06	2015	Dr. B R Sujatha	Adaptive OFDM-MIMO Techniques for Wireless Sensors Networks
8.	Santhosh T	2016	Dr. B R Sujatha	Design and development of RF MEMS switch for wireless networks
9.	Santhosh Kumar KB USN:4MC17PEA04	2016	Dr. B R Sujatha	Secure and Efficient Transmission of EEG Signals In Telemedicine
10.	Ajey S S USN:4MC18PEC01	2017	Dr. P. C. Srikanth	Analysis of Microorganisms using optical sensor by surface plasmon resonance technique
11.	Yashaswini P.R.(FT) USN:4MC19PEC03	2018	Dr. P. C. Srikanth	Encapsulation of Graphene based batteries for storing high capacity material in nano plasmonic range

## Automobile Engineering

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Girish A R USN:4MC17PMA03	2017	Dr. Y M Shashidhara	Experimental Investigations on Tribological & Stability Characteristics of Formulated Vegetable Oils for Automotive Engine Operation
2.	Jerome Anthony A USN:4MC17PMA08	2017	Dr. Y M Shashidhara	Studies on Tribological & Stability Behaviour of Formulated Vegetable Oils for Lubrication of Automotive Transmission System
3.	Nishchitha K.M. USN:4MC17PMS01	2017	Dr. Y M Shashidhara	Studies on Cup Drawing of Austenitic Stain steel and Aluminum Alloy Blanks using Formulated Vegetable Oils as Metal Forming Lubricant

4.	Vijay R USN:4MC17PMA02	2017	Dr. Ravikumar K P	Conition Monitoring of an Engine Performance Through the Analysis of Contaminants in Engine Lubricant with Biofuels
5.	Sathish Kumar USN:4MC18PAU02	2017	Dr. Basavraju A N	Experimental investigation of performance characteristics, Combustion characteristics & emission analysis
6.	Nitin Dattatreya Kamitkar USN:4MC18PAU01	2017	Dr. Basavraju A N	Experimental investigation, Combustion characteristics & emission analysis of 4 stroke CI engine.
7.	Vidyashree H R(FT) USN:4MC18PAU03	2017	Dr. M K Ravishankar	Studies on Mechanical & wear Behaviour of Jute-Epoxy composite filled with Nano fillers
8.	Srinivas B.N. (FT) USN:4MC19PAU01	2018	Dr. M K Ravishankar	Performance study of single cylinder C.I. engine using fuel additives
9.	Pradeep K.V. USN:4MC19PAU03	2019	Dr. Ravikumar K P	Investigation of Emission and Performance Characteristics of metal and Ceramic Coated IC Engine with Bio-Diesels
10.	Sandeep S USN:4MC17PMA05	2019	Dr. Ravikumar K P	Investigation on Physical and Mechanical Characterization of Natural Fiber Reinforced Polymer Composites
11.	Kiran R Garadimani USN:4MC19PAU02	2017	Dr. Basavraju A N	Experimental Investigation on Mechanical and Thermal Properties of Metal Matrix Composites

### Industrial & Production Engineering

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Mr. Ganesh Ramachandra Panchal (FT) USN:4MC19PIP01	2018	Dr. Srinath. M.S.	Development of AI based composite by stir casting process using microwaves energy
2.	Mr. Rajesh kumar. M.S. USN:4MC19PIP02	2018	Dr. Y. Arunkumar	Metal Flow Analysis, die filling Behaviour and Defects Analysis in High Pressure Die Casting
3.	Praveen D USN:4MC19PIP03	2018	Dr. Y. Arunkumar	Geometrical Complexities, Defects Analysis and Optimization in Rolling Process

## Computer Science & Engineering

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Prasanna K S	2011	Dr. B. Ramesh	Reliance Routing Techniques for Secure Routing in Mobile Ad Hoc Networks
2.	Sridhara S B	2011	Dr. B. Ramesh	Efficient routing techniques for power optimization in mobile AD HOC networks
3.	Raghavendra K USN:4MC13PEN07	2013	Dr. B. Ramesh	Design and Implementation of Diameter Protocol for Identity Management and Security in Cloud Computing
4.	Srividya R	2013	Dr. B. Ramesh	Mobile Ad-hoc Network based Emergency Response System using Authentication Techniques
5.	Kavyashri M N USN:4MC15PEJ06	2014	Dr. B. Ramesh	An optimization and secure techniques for accessing multimedia data at data centres of the cloud
6.	Chandrashekar H S USN:4MC16PEJ07	2015	Dr.Geetha Kiran A	Adaptive OFDM-MIMO Techniques for Wireless Sensors Networks
7.	Nanditha B R USN:4MC16PEJ08	2015	Dr.Geetha Kiran A	Adaptive OFDM-MIMO Techniques for Wireless Sensors Networks
8.	Praveen K S	2015	Dr. B. Ramesh	Mobile Ad-hoc Network based Emergency Response System using Authentication Techniques
9.	Hannabel Hyacinth Lobo USN:4MC16PEJ10	2015	Dr. V N Narayana	Adaptive OFDM-MIMO Techniques for Wireless Sensors Networks
10.	Sunitha R USN:4MC16PEJ011	2015	Dr. J Chandrika	Energy Efficient Pattern Mining & Outlier Direction in the Wireless Sensor Network by Deploying the Data Mining Techniques & Soft Computing Techniques
11.	Anupama V USN:4MC17PEA02	2016	Dr.Geetha Kiran A	Exploration of image based view synthesis algorithms
12.	Vinutha M R USN:4MC17PEA02	2016	Dr. J Chandrika	Significant pattern extraction from health care data for early disease detection using data mining and soft computing techniques
13.	Annaiah H USN:5VX16TEF14	2016	Dr. J Chandrika	Performance Analysis over cloud mirroring, A Technique of data Recovery
14.	Vasanth Kumar N T USN: 4MC18PCS01	2017	Dr.Geetha Kiran A	Automatic 360 degree surround view generation from images obtained by multiple cameras in real time
15.	Neethi M V(FT) USN: 4MC18PCS02	2017	Dr.Geetha Kiran A	A Framework for Static Image Cloud Processing
16.	Sunitha. P. USN: 4MC19PCS01	2018	Uma. B.	Crop Yield enhancement by detecting micro nutrient deficiency in plants/crops- A machine learning approach
17.	Pushpalatha. R. USN: 5VX16PEJ24	2019	Dr. B. Ramesh	Optimization Technique for Power Consumption based on Workload Prediction Gratifying SLA in Cloud Computing

## Electronics & Instrumentation Engineering

M.Sc. Engg. by Research				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Aditya M. Puranik USN:4MC19MIT01	2019	Dr. G. Shivakumar	Context Based Classification of Text Data Using Deep Learning

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Mahanthasha U USN:4MC16PEJ03	2015	Dr. H S Mohana	A Novel Approach to Human Action Recognition Using Data Fusion Techniques
2.	C M Naveen Kumar USN:4MC17PEA07	2016	Dr. G Shivakumar	Human Emotion Recognition Using Thermal Imaging and Anatomical Variables
3.	Deepika K C USN:4MC17PEA06	2016	Dr. G Shivakumar	Classification of Touchless Unconstrained 3D Fingerprints Using Pattern Recognition Techniques
4.	Swathi H Y USN:4MC17PEA01	2016	Dr. G Shivakumar	Analysis of Crowd Behaviour using Artificial Neural Network for Video Surveillance
5.	Prathibha G USN:4MC17PEA03	2016	Dr. H S Mohana	Brain Tumor Segmentation by Minimizing Truncation & Alaising Artifacts from MR Images
6.	Yashas. J. USN: 4MC18PIT01	2017	Dr. G. Shivakumar	Analysis of Hand Gestures with Image Processing Techniques and Classification using Artificial Neural Networks
7.	Shreedevi K (FT) USN:4MC18PIT02	2017	Dr. H S Mohana	A novel method for image based quality analysis using deep learning algorithm
8.	Jnanaswaroop K R USN:4MC19PIT01	2018	Dr. G. Shivakumar	Analysis of Multi person Gait Using Discriminative Undirected Probabilistic Graphical Model
9.	Shreedevi P USN:4MC19PEI01	2019	Dr. H.S. Mohana	Video Analysis to Recognize Crowd Behavior Employing Finite Element Method and Machine Learning Techniques

## Information Science & Engineering

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	Shrisha H S USN:4MC18PIS03	2017	Dr. Uma B	Content store management in named data networks
2.	Arun. N. USN:4MC17PEA09	2017	Dr. Uma B	New Machine Learning Methods for Network Intrusion
3.	Anitha. K. USN:4MC15PEJ08	2019	Dr Anand Babu J	A Novel Hybrid MAC Scheme for Optimizing Network Parameters in WSNs



## Mathematics

Ph.D.				
Sl. No	Name of the Candidate	Enrol Year	Name of the Guide	Title of Research Work
1.	T Mohana USN:4MC10PGN01	2010	Dr. M. K. Partha	Combined Mass and Heat Transfer in Non-Darcy Porous Medium
2.	M. Somashekar USN:4MC19PMA02	2019	Dr. G.K. Kalavathi	Numerical Approach for the Study of Varying Porosity in a Finite Geometry