

## Academic year 2

S.No.	Title	Researcher Name (Surname, Forename)	Guide Name (Surname, Forename)
1	Person Fall Detection using Machine Learning Techniques based on Real time videos.	J.Aruna	Dr.C.Jeyalakshmi
2	Quality Enhancement for HEVC compressed videos	Mrs.Sheeba	Dr.M.Maheswari

## Academic year 2

S.No.	Title	Researcher Name (Surname, Forename)	Guide Name (Surname, Forename)
1	Experimental investigations on microstructure and properties of Molybdenum trioxide reinforced aluminium matrix composite synthesized by stir casting route.	Mr.C.Gopikrishnan	Dr. M.Ravichandran
2	Investigation on Doping Enhanced piezo-photoelectronic characteristics of ZnO nanostructures.	Mr.Saravanan	Dr.M.Maheswari
3	Mechanical testing and machinability study of aluminum hybrid metal matrix using laser beam machining	V.Senthilkannan	Dr.Lenin
4	Mechanical and microstructural investigations of advanced metal composites for the light weight applications	P.Sanmugaselvam	Dr. M.Ravichandran (joint supervisor)

5	Investigation on the improvement of Mechanical and Metallurgical behaviour of Tungsten inert gas welded AL 5052 -H32 alloy using scandium added filler rod and Friction stir process	Nafeez Ahmed L	Dr. M.Ravichandran (joint supervisor)
6	PERFORMANCE CHARACTERIZATION STUDIES OF SA 515 GR 70 CARBON STEEL WELDS BY ALTERNATING SHIELDING GASES USING GMAW PROCESS	Mr.M.Mariappan	Dr.Lenin (Joint supervisor)

### Academic year :

S.No.	Title	Researcher Name (Surname, Forename)	Guide Name (Surname, Forename)
1	Performance enhancement of nanotechnology based photovoltaic systems and supercapacitors	Mrs. S. Amuthameena	Dr. K.Dhayalini
2	Experimental study of friction stir welding of dissimilar AZ318-AA8011 and AA7475 alloys	Mr.S.Dharmalingam	Dr. K.LENIN
3	Experimental investigation on Laser welded MG matrix Hybrid metal matrix composite materials	Mr.R.Sivabalan	Dr. K.LENIN (Joint supervisor)
4	Design and analysis of Multiplierless Decimation filter for Digital down converter in Multistandard wireless applications	Mrs A.Abinaya	Dr.M.Maheswari
5	Characterization and experimental investigation of pack boronizing process of various stainless steel grades using ANOVA and Machine learning approaches	Mr. H.Ramakrishnan	Dr.K.LENIN (Joint supervisor)
6	A study on metallurgical and mechanical characteristics of dissimilar friction stir welded aluminium alloys.	Mr. Y.Premraj	Dr.K.LENIN

7	Experimental Studies on Microstructural and Mechanical Characteristics of Mg-5Sn-3Zn-1Mn alloy with varying Si additions	Mr.G.Sundararaju	Dr.C.Anand chairman (Joint supervisor)
8	Experimental Investigation and Analysis of Bio seashell particulate reinforced Nylon 6 polymer composites	Mr. P.Vasanthakumar	Dr.K.LENIN
9	Experimental Investigations on Silicon Carbide, Hydroxyapatite and Zinc Oxide Reinforced Magnesium Matrix Composites Developed by Powder Metallurgy	Mr. S.Jayasathyakawin (Full time)	Ravichandran, M
10	Experimental investigations on Microstructure and properties of copper matrix composites produced by powder metallurgy Technique	Mr.M.Melwin Jegadeesh sridhar	Ravichandran, M
11	Investigational analysis of strength enhancement on friction stir processed AZ31/AL203 and AZ31/Cu joints	Mr.M.Selvaraj	Dr.K.LENIN

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S.No.	Title	Researcher Name (Surname, Forename)	Guide Name (Surname, Forename)
1	Web Site Enhancement Using Efficient Preprocessing Techniques With Web Usage Mining. (Bharathiar University)	Umarani, J	Manikandan, S
2	Enhanced Mammogram Analysis to Detect Early Stage of Breast Cancer Using Equal Range Clustering Algorithm (Mother Teresa University)	Roseline, R	Manikandan, S
3	Effective Face and IRIS identity recognition methods for enhancing authentication (Periyar University)	Kadher Farook, R	Manikandan, S

4	Efficient Reversible data hiding system using steganography based on encryption strategies (Periyar University)	Chitradevi, B	Manikandan, S
5	Design Emphasis of Multilevel converter Topologies with performance analysis using tuned PWM controller for Hybrid power systems (Anna University)	RAM PRAKASH, P	Titus, Sigamani


#### Academic year 20-21

S.No.	Title	Researcher Name (Surname, Forename)	Guide Name (Surname, Forename)
1	Smart Road Safety System using Data mining and Sensor Technology (Bharathiar University)	L. Thomas Robinson	Manikandan, S
2	A BIO-PLAUSIBLE SPIKING NEURAL NETWORK-BASED APPROACH FOR IMAGE CLASSIFICATION PROBLEM	Mr. JOSHUA ARUL KUMAR R	Titus, S
3	UNIFIED POWER CONTROLLER DESIGN TOPOLOGIES FOR HYBRID ELECTRIC VEHICLE USING NON-ISOLATED BIDIRECTIONAL CONVERTER	Ms. S. RAJALAKSHMI	Titus, S
4	Experimental Investigations on Machining Behaviour of Waspaloy and Synthesis of Waspaloy Composites	Veerappan, G	Ravichandran, M


#### Academic year 19-

S.No.	Title	Researcher Name (Surname, Forename)	Guide Name (Surname, Forename)
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1	Experimental Investigations on Properties of Boron Carbide Reinforced AA8079 Matrix Composites Prepared by Powder Metallurgy Technique	Meignanamoorthy, M	Ravichandran, M
2	Investigations on Properties and Machining Behaviour of Zirconium Diboride Reinforced Aluminium Matrix Composites	Dineshkumar, S	Ravichandran, M
3	Experimental Investigations on Properties and Machineability of Titanium Dioxide Reinforced AA7075 Matrix Composites	Alagarsamy, S.V	Ravichandran, M
4	Ergonomic considerations in the design of Human enabling systems	Mr.R.Sasikumar	Dr.K.Lenin
5	STORE PREFERENCE BEHAVIOUR OF CONSUMERS ON SUPERMARKETS WITH SPECIAL REFERENCE TO TIRUCHIRAPPALLI	S.NAJMA	Titus, S

#### 4-25

Awarded Year	Name of Department	Subject
2024(15.11.24)	Electronics and Communication Engineering	Information and Communication Engineering
8/19/2024	Electronics and Communication Engineering	Information and Communication Engineering

#### 3-24

Awarded Year	Name of Department	Subject
2023(08.09.23)	Mechanical Engineering	Mechanical Engineering
2023(17.11.23 viva)	Electronics and Communication Engineering	Information and Communication Engineering
8:08:23	Mechanical Engineering	Mechanical Engineering
29:01:24	Mechanical Engineering	Mechanical Engineering

28:02:24	Mechanical Engineering	Mechanical Engineering
6:03:24	Mechanical Engineering	Mechanical Engineering

**22-23**

Awarded Year	Name of Department	Subject	Ext/Int
2023	Electrical and Electronics Engineering	Electrical Engineering	External
2023	Mechanical Engineering	Mechanical Engineering	External
2023	Mechanical Engineering	Mechanical Engineering	External
2023	Electronics and Communication Engineering	Information and Communication Engineering	Internal
2023	Mechanical Engineering	Mechanical Engineering	Internal
2023	Mechanical Engineering	Mechanical Engineering	External

2023	Mechanical Engineering	Mechanical Engineering	External
2023	Mechanical Engineering	Mechanical Engineering	External
2023 (05-06-2023)	Mechanical Engineering	Mechanical Engineering	External
2023 (19-06-2023)	Mechanical Engineering	Mechanical Engineering	External
2023	Mechanical Engineering	Mechanical Engineering	External

<b>21-22</b>		
<b>Awarded Year</b>	<b>Name of Department</b>	<b>Subject</b>
2021	Information Technology	Computer Science
2021	Information Technology	Computer Science
2021	Information Technology	Computer Science



2022	Information Technology	Computer Science
2021	Electrical and Electronics Engineering	Electrical Engineering


Awarded Year	Name of Department	Subject
2020	Information Technology	Computer Science
2020	Electronics and Communication Engineering	Electronics and Communication Engineering
2021	Electrical and Electronics Engineering	Electrical and Electronics Engineering
2021 (17-02-2021)	Mechanical Engineering	Mechanical Engineering

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Awarded Year	Name of Department	Subject
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<b>2019 (21-10-2019)</b>	<b>Mechanical Engineering</b>	<b>Mechanical Engineering</b>
<b>2019 (25-10-2019)</b>	<b>Mechanical Engineering</b>	<b>Mechanical Engineering</b>
<b>2020 (03-02-2020)</b>	<b>Mechanical Engineering</b>	<b>Mechanical Engineering</b>
<b>2019</b>	<b>Mechanical Engineering</b>	<b>Mechanical Engineering</b>
<b>2018</b>	<b>Master Of Business Administration</b>	<b>Master Of Business Administration</b>