

Dr. Ambedkar Institute of Technology, Bengaluru-56
Name of the Research Centre: Department of ~~Electrical and Electronics Engineering~~

Mechanical

List of Ph.D. Pursuing

Ph.D. Pursuing: 2019

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Research	Name of the Research Supervisor/Co-Supervisor	Name of the University	Link: Approved letter
1	Mrs. Preethi K	1DA15PMJ07	F	2015	Part Time	Studies on Carbon Nano Tube aluminium 6061 Metal Matrix Composites.	Dr. T. N. Raju	VTU	
2	Byregowda K C (Part Time)	1DA16PMJ07	M	2016	Part Time	Study and Analysis of Aluminium Alloy based automotive micro heat exchangers for enhanced heat transfer.	Dr. T. N. Raju	VTU	
3	Amith Kumar S N (Part Time)	1DA16PMJ08	M	2016	Part Time	Synthesis and Characterization of Titanium Diboride reinforced aluminium composites.	Dr. T. N. Raju	VTU	
4	Jayanth H	1DA17PMA05	M	2017	Part	Development of	Dr. T. N. Raju	VTU	

Verified by: 1) *T. N. Raju*
2) *JH*

Dr.Ambedkar Institute of Technology, Bengaluru-56
Name of the Research Centre: Department of Electrical and Electronics Engineering


	(Part Time)				Time	Non- Contact power transmission device suitable for a typical cyclic spin facility.		VTU	
5	Supreeth S (Full Time)	1DA19PME02	M	2019	Full Time	Feasibility studies on Hydrodynamic Air Foil Thrust Bearings for improved load carrying capabilities	Dr. T. N. Raju	VTU	
6	Venugopal V (Part Time)	1DA15PMJ02	M	2015	Part Time	Development of Universal Post Processor for CNC machines including special conversation program.	Dr. K. M. Narayanappa	VTU	
7	Gunesh N Ravnika (Part Time)	1DA16PMJ04	M	2016	Part Time	Development of advanced zirconate thermal barrier coatings and study their effect on diesel engines.	Dr. K. M. Purushothama	VTU	
8		1DA16PMJ06	M	2016	Part Time	Studies on waste recovery system,	Dr. K. M. Purushothama	VTU	

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	Lankesh Kumar K (Part Time)					design of waste VTU heat recovVery system VTU for converting wWaste heat to elecVtricity from Vdomestic and noVn- domesticV application VTU s.			
9	Yuvraj Jaganath (Part Time)	1DA19ME01	M	2019	Part Time	Advanced Nano Zirconate Thermal Barrier Coating	Dr. K. M. Purushothama	VTU	
10	Sadashiva K (Full Time)	1DA19PME03	M	2019	Full Time	Investigation on Mechanical and Morphological characteristics of ramie fiber and silk fiber reinforced epoxy hybrid composites for dynamic applications.	Dr. K. M. Purushothama	VTU	
11	N Chethan (Part Time)	1DA12PMN03	M	2012	Part Time	Feasibility studies on development of brush seals.	Dr. V. Arun Kumar	VTU	
12	Naveen Kumar A	1DA13PMN01	M	2013	Part	Investigative	Dr. B.	VTU	

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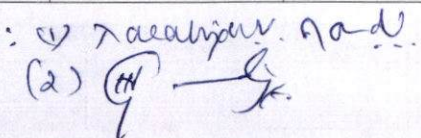
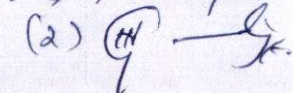
	(Part Time)				Time	Studies on Peek Biomaterial	Gangadhar VShetty		
13	Gowthama K (Part Time)	1DA15PMJ01	M	2015	Part Time	Experimental investigation and parametric optimization of abrasive water jet machining of metal matrix composites.	D VTU r. H M Somas hekar V	VTU	
14	Ashoka B P (Part Time)	1DA15PMJ02	M	2015	Part Time	Experimental investigation and parametric optimization of ultrasonic machining of metal matrix composites.	Dr. H VTU M Somashek ar	VTU	
15	Lingaraju (Part Time)	1DA16PMA06	M	2016	Part Time	Experimental investigation and parametric optimization of electrochemical machining of metal matrix composites.	Dr. H M Somashekar	VTU	
16	Vinaysimha (Part Time)	1DA17PMA03	M	2017	Part Time	Experimental Studies to develop thermal barrier coating and analysis of stress state and	Dr. Nataraja M M	VTU	

verified by: (1) Taralipati. nand!
(2) 

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						failure mechanisms of coating material in IC Engines.		
17	Chandrashekar (Part Time)	1DA17PMA04	M	2017	Part Time	Experimental study on effect of zirconia doped rare earth oxide thermal barrier coating.	Dr. Nataraja M M	VTU
18	Balaji J (Full Time)	1DA18PME03	M	2018	FULL TIME	Experimental & Computational Investigation on Thermal conductivity and dielectric characteristics of epoxy composites with hybrid fillers.	Dr. Nataraja M M	VTU
19	Achunala Rajesh (Full Time)	1DA19PME04	M	2019	FULL TIME	Experimental Studies on utilization of industrial waste with polymer composite by thermal spray technique for wear resistance coating and validate the properties with	Dr. Nataraja M M	VTU


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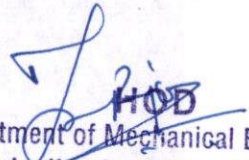
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Name of the Research Centre: Department of Electrical and Electronics Engineering

						applications of finite element method.			
20	H S Manjunath (Part Time)	1DA16PMJ03	M	2016	Part Time	Control the parameters affecting twin roll forming of glass fiber reinforced plastic composite laminates.	Dr. Satish S	VTU	
21	Sharath Kumar S N (Part Time)	1DA18PME01	M	2018	Part Time	Analysis of Heat transfer and flow behaviour for aluminium alloy plate fin heat sink with dimple.	Dr. Satish S	VTU	
22	Vijaya Kumar V (Part Time)	1DA18PME02	M	2018	Part Time	Study the characterization and process parameters of AL6061-T6 in friction stir welding process using statistical approach.	Dr. Satish S	VTU	
23	Rajesh Chandra C (Part Time)	1DA17PMA01	M	2017	Part Time	Impact Analysis of FRP Composites	Dr. C. R. Mahesha	VTU	
24	Guruchannabasavaih	1DA15PMJ08	M	2015	Part	Investigation on	Dr.		

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	NG (Part Time)				Time	the Influence of severe plastic deformation on MMC	Nandeeshaiiah		
25	Prashanthkumar J (Part Time)	1DA20PME01	M	2020	Part Time	Investigation of Beryl Reinforcement in Aluminium based MMC	Dr. Gangadhar N	VTU	

Verified by: (1) Nandeeshaiiah Nandu.
(2) 


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Research Facilities created/available:

- Research Mandate: Provides management oversight and review of research centres and programs, along with criteria for establishing new ones.
- Vision : To be an eminent of Centre of Excellence in the field of Mechanical Engineering, where teaching, learning and research synergize to deliver technical education and scientific research for public good.
- Mision:
 - To impart quality education to create efficient Mechanical Engineers who can compete at the global level.
 - To build State -of – the – art research facilities in Mechanical Engineering in order to enable the faculty and students to learn and disseminate knowledge and innovate in their applications.
 - To foster the spirit of entrepreneurship and encourage consultancy to enable all round personality development in students.
 - To improve communication skills to excel in higher studies and placements.
 - To facilitate team work culture and improve the social standards and quality of life of graduates.
 - To improve the research activities of the students.

Faculties and research priority areas

Serial no	Faculty	Research priority areas
1	Dr. T .N Raju	<ul style="list-style-type: none"> • Non contact Power Transmission • Smart Materials • IC Engines • Eletric vehicle design • Composite materials • Bearings
2	Dr. K M Purushothama	Thermal Barrier Coating (TBC)
3	Dr. Prashanth A S	<ul style="list-style-type: none"> • Vibrations and noise control • Biomechanical studies • Human vibrations • Industrial ergonomics • Biomedical Instrumentation • Whole body low frequency vibrations • Robotics
4	Dr. B GangadharaShetty	Smart Materials, MR Fluid
5	Dr S. Sathish	CIM/COMPOSITE materials/smart material/welding/heat tranfer
6	Dr M M Nataraja	Thermal Barrier Coating
7	Dr H M Somashekar	Advanced Manufacturing Process, Composites

verified by : (1) Dr. Manjunath Naidu
(2) Dr. G. S. Srinivas

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8	Dr. M Mahadevaswamy	Welding Engineering
9	Dr .N Gangadhar	Tool Condition Monitoring, Composite Materials, Dynamic Vibrations
10	Dr. Shivappa H .A	Advanced Welding ,Composite Materials
11	Dr. M Rajesh	Machine Design and Metal Matrix Composites
12	Dr. B. Mohan Kumar	Composite Materials
13	Dr. Pavan Tejasvi .T	Metal Matrix Composites
13	Dr. Vishwanath M M	1. Computational Heat Transfer and Fluid flow(CFD) 2. Advanced welding technologies, 3. Heat Exchangers, 4. Nano Materials and Nano Fluids, 5. Cooling Tower analysis, 6. Agricultural Mechanizations. 7. Development of Special Purpose Machines (SPM), Test Rigs, 8. Analysis of Internal Combustion Engines 9. Bio Fuels

R&D Lab available

- Composite lab
- Design lab
- Vibration lab
- IC Engines lab
- Metrology and measurements lab
- Material testing lab
- Welding and workshop lab
- Computer aided engineering drawing and analysis ab ANSYS, CATIA, SOLIDWORKS, SOLID EDGE, etc

Verified by: (1) *T. Anil Kumar Nand*
(2) *g*


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Dr. Ambedkar Institute of Technology, Bengaluru-56
Name of the Research Centre: Department of Mechanical Engineering

List of Ph.D. awarded

Ph.D. awarded:2019

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Thesis	Name of the Research Supervisor/Co-Supervisor	Name of the University	Date of Completion of the PhD	Link: Abstract of the Thesis
1	Dr. Bhanupratap	14PCW48002	M	2014	Full time		Chittappa. H.C.	Bengaluru University	2019	

Studies on Jute Kevlar nanoclay epoxy hybrid Composites.

Ph.D. awarded:2020

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Thesis	Name of the Research Supervisor/Co-Supervisor	Name of the University	Date of Completion of the PhD	Link: Abstract of the Thesis
1	Dr. Vishwanath	14PCW48011	M	2013	Part time	Heat Transfer and Numerical Methods	Dr. Lakshman Swamy	VTU	2020	
2	Dr. Rajesh M	13pcw4005	M	2015	Part Time	Metal matrix composites	Dr. K V Sharma	Bengaluru University	2020	
3	Dr. Shivappa H A		M	2015	Part Time	Advanced Welding	Dr. Shivrudraiah	Bengaluru University	2020	

Verified by : (1) Narayana V. Naidu
(2) [Signature]

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Dr.Ambedkar Institute of Technology, Bengaluru-56
Name of the Research Centre: Department of Mechanical Engineering

Ph.D. awarded:2021

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Thesis	Name of the Research Supervisor/Co-Supervisor	Name of the University	Date of Completion of the PhD	Link: Abstract of the Thesis
1	Dr. Ranjith V		M	2015	Part time	Metal matrix composites	Dr. H K Shivanand	Bengaluru university	2021	
2	Dr. Mohan kumar M	1DAPMJ05	M	2015	Part time	Composites	Dr. Sathish	VTU	2021	

Ph.D. awarded:2022

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Thesis	Name of the Research Supervisor/Co-Supervisor	Name of the University	Date of Completion of the PhD	Link: Abstract of the Thesis
1	Dr. Pavan Tejasvi		M	2015	Part Time	Studies on retrogression and reaging of Al-Z-Mg (7075) alloy	Dr. C N Chandrappa	VTU	2022	


Sl No	No of PhD awarded(Numbers only)			
	2019	2020	2021	2022
1	1	3	2	2


Dr. Ambedkar Institute of Technology, Bengaluru-56
Name of the Research Centre: Department of Mechanical Engineering

Total Number of PhD awarded up to 2018: 05

Total Number of PhD awarded up to 2022: 13

Total Number of Ph.D Awarded from 2019 to 2022: 08

Verified by: (1) Kaalya V. Nandy
(2) 


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Department of Mechanical Engineering

Research Areas:

Metal Matrix Composites
Metal Matrix Composites
Metal Matrix Composites
Twin roll casting of Al-SiC metal matrix composites
Welding of Al-SiC composites
Studies on Thermal Barrier Coating and its application in diesel engine performance
Metal Matrix Composites
Studies on Gd-Doped Thermal Barrier Coating
Condition monitoring and vibration studies of machinery parts
Study on thermal barrier coatings from microwave synthesized plasma sprayable powder including the influence of laser treatment
Metal Matrix Composites
Thermal Conductivity and Thermal Radiation Thermal Barrier Coatings
Synthesis and Characterization of Twin-Roll formed glass fiber and SiO ₂ reinforced hybrid polymer composite.

1.

Verified by: (1) *Narasimhan Nand*
(2) *[Signature]*

[Signature]
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Department of Mechanical Engineering

Grants

On-Going Research Project Details: 2019-01

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt)	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1.	Dr. Gangadhar N	--	Condition Monitoring of Internal Combustion (IC) Engine using vibration Analysis and acoustic emission technique	RGS-F	VGST / KSTeP S	Govt.	17-07-2019	5,00,000/-	GRD no. 799	01	

On-Going Research Project Details: 2020-NIL

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt)	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link

On-Going Research Project Details: 2021-NIL

Sl No	Name of the Principal	Name of the Co-	Title of the	Scheme	Name of the	Type of the funding	Project Sanctioned	Total amount	Sanctioned Order No.	Duration in Years	Link

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Investigator	Principal Investigator	Research Project	Funding agency	agency(Govt/Non-Govt)	date	sanctioned in Rs

On-Going Research Project Details: 2022-04

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt)	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1.	Dr. T N Raju	Dr. Mahesh C R	Development of Air Foil Thrust Bearings for Aerospace Applications	CESE M	VGST / KSTeP S	Govt.	05-02-2022	40,00,000/-	GRD no. 926	02	
2.	Dr. T N Raju	Dr. Indumathi S K & Dr. Manjunath Rao L	Designing and building a solar-based autonomous robot for intra-row weed elimination to aid small and mid-sized farmers	RGS	VTU	Govt.	18-02-2022	6,00,000/-	5862	02	
3.	Dr. Bhanupratap R	--	Evaluation and analysis of silane	--	Dr. AIT	Pvt.	18-01-2022	1,90,000/-	66	02	

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			treated ballast /Kevlar fibres epoxy composites								
4.	Dr. Vishwanath M M	--	Design and Development of agriculture processing products and test rigs for the college product and testing	--	Dr. AIT	Pvt.	18-01-2022	3,00,000/-	63	02	

Completed Research Project Details: 2019 - 01

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt)	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1.	Dr. T. N. Raju	---	Synthesis and characterization of New Bio fuels for their use in Automobiles and diesel generators	---	DST	Govt.	02-11-2017	74,39,960/-	101	03	

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Completed Research Project Details: 2020 - NIL

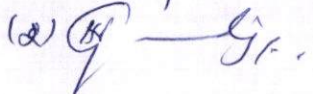
Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt)	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link


Completed Research Project Details: 2021 - NIL

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt)	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link

Completed Research Project Details: 2022 - 01

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt)	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1.	Dr. V. Arun Kumar	Mr. Chethan	Feasibility studies on development of brush seals	--	AICTE	Govt.	13-08-2015	16,47,059/-	8-190	03	

Verified by: (1) Talalipuv. randa.
(2)  G.R.


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Department of Mechanical Engineering

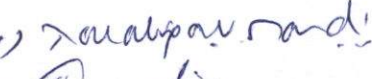

Research Guide details.

#	Name of the Research Supervisor	Designation	Specialization	M.Tech Awarded University	Year of Award	PhD Awarded University	Year of Award	Year of Recognition as a guide	Is the faculty still serving in the institution/if not last year of service of the faculty in the institution
1	Dr. K M Purshotham	Professor	Design	UVCE	1999		2013	2017	Yes
2	Dr. T N Raju	Associate Professor	Production	Bengaluru University	1999	IIT MADRAS	2013	2014	Yes
3.	Dr. Prashanth A S	Assistant Professor	Design	VTU	2014	IIT Roorkee	2014	2015	Yes
4	Dr. Gangadhar N	Assistant Professor	Manufacturing	NIT Calicut	2010	NIT Surathkal	2016	2018	Yes
5	Dr. Mahadevswamy M	Assistant Professor	Manufacturing			NIT Trichy	2017	2020	Yes
6	Dr. H M Somashekar	Assistant Professor	Manufacturing	VTU	2003	UVCE	2013	2014	Yes
7	Dr. B . Ganadhar Shetty	Professor	Manufacturing	VTU	1990	Anna University	2011	2012	Yes

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Department of Mechanical Engineering

8	Dr. Nataraja M M	Assistant Professor	Manufacturing	Kuvempu University	2004	VTU	2016	2017	Yes
9	Dr. Sathish S	Associate Professor	Manufacturing	IIT Madras	2007	VTU	2015	2016	Yes
10	Dr. Vishwanath M M	Assistant Professor	Thermal	VTU	2011	UVCE	2021	Awaited	Yes
11	Dr. Rajesh M	Assistant Professor	Design	UVCE	2010	UVCE	2020	2021	Yes
12	Dr. H A Shivappa	Assistant Professor	Design						Yes
13	Dr. Mohan Kumar B	Assistant Professor	Thermal	NIT Surathkal	2010	VTU	2021	Not applied Yet	Yes


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Verified by: (1) 
(2) 

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Research Faculty details.

#	Name of the Research Supervisor	Designation	Specialization	M.Tech Awarded University	Year of Award	PhD Awarded University	Year of Award	Year of Recognition as a guide	Is the faculty still serving in the institution/if not last year of service of the faculty in the institution
1	Dr. K M Purshotham	Professor	Design	UVCE	1999		2013	2017	Yes
2	Dr. T N Raju	Associate Professor	Production	Bengaluru University	1999	IIT MADRAS	2013	2014	Yes
3.	Dr. Prashanth A S	Assistant Professor	Design	VTU	2014	IIT Roorkee	2014	2015	Yes
4	Dr. Gangadhar N	Assistant Professor	Manufacturing	NIT Calicut	2010	NIT Surathkal	2016	2018	Yes
5	Dr. Mahadevswamy M	Assistant Professor	Manufacturing			NIT Trichy	2017	2020	Yes
6	Dr. H M Somashekar	Assistant Professor	Manufacturing	VTU	2003	UVCE	2013	2014	Yes
7	Dr. B . Ganadhar Shetty	Professor	Manufacturing	VTU	1990	Anna University	2011	2012	Yes

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Department of Mechanical Engineering

8	Dr. Nataraja M M	Assistant Professor	Manufacturing	Kuvempu University	2004	VTU	2016	2017	Yes
9	Dr. Sathish S	Associate Professor	Manufacturing	IIT Madras	2007	VTU	2015	2016	Yes
10	Dr. Vishwanath M M	Assistant Professor	Thermal	VTU	2011	UVCE	2021	Awaited	Yes
11	Dr. Rajesh M	Assistant Professor	Design	UVCE	2010	UVCE	2020	2021	Yes
12	Dr. H A Shivappa	Assistant Professor	Design						Yes
13	Dr. Mohan Kumar B	Assistant Professor	Thermal	NIT Surathkal	2010	VTU	2021	Not applied Yet	Yes

Verified by: (1) Narasimha Murthy
(2) [Signature]


Department of Mechanical Engineering
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Bengaluru - 560 056.

Dr. Ambedkar Institute of Technology, Bengaluru-56
Department of Mechanical Engineering

International Journals

Faculty Publications: 2019

Sl.No	Name of the Faculty/Name of the Guide	Journal name	Title of the Paper	Research description	Date of Introduction (DOI)	PP	Vol.N O	Issue No	Year	Link
1	Dr. Prashanth A S	International Journal of Engineering and Techniques - Volume 5, Issue6 November 2019	Effect of vibration on commuters using experimental techniques	Vibrations		258-339	Volume 5,	Issue 6	November 2019	http://www.jetjournal.org/volume5/issue6/IJET-V5I6P4.pdf
2	Dr. Mohan kumar	A journal of composite theory	Studies on Glass Fiber Reinforced Polymer Composites at Different Curing Temperatures	Composites			Volume XII	Issue VIII	AUGUST 2019	
3	Rathika M	Emerging Technologies and Innovative Research (JETIR)	Design and Development Of Spiral Weeder Machine	Manufacturing			Vol 8	Issue 4	June 2019	

verified by: (1) Nalipav_nand
(2) [Signature]

Dr.Ambedkar Institute of Technology, Bengaluru-56
Department of Mechanical Engineering

Faculty Publications: 2020

Sl.No	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description	Date of Introduction (DOI)	PP	Vol.N O	Issue No	Year	Link
1	Dr. Prashanth A S	IRJET	Failure Analysis of Steam Turbine Rotor Due to Low Flow Conditions	Rotor Dynamics			Vol 7	Issue 8	Aug 2020	https://www.irjet.net/archives/V7/i8/IRJET-V7I8185.pdf
2	Dr. Mohan kumar	Jour of Adv Research in Dynamical & Control Systems,	Fabrication and Characterization of GFRP Composites by Using Twin Roll Technique	Composites	DOI: 10.5373/JARDCS/V12I1/20201040 ISSN 1943-023X		Vol. 12, 2020	No. 1,	2020	https://www.jarcds.org/
3	Dr. Mohan Kumar	IJET	Mechanical Properties of Fly Ash filled GFRP Composite Material	Composites						

Dr.Ambedkar Institute of Technology, Bengaluru-56
Department of ~~Electrical and Electronics Engineering~~ *Mechanical.*
Industry collaborations

Industry collaborations: 2019 *Nil.*

Sl.No	Name of the Industry with complete Address, Email ID, Phone No	Description of the collaboration/Activities taken	Year	Link

Industry collaborations: 2020 *Nil.*

Sl.No	Name of the Industry with complete Address, Email ID, Phone No	Description of the collaboration/Activities taken	Year	Link

Industry collaborations: 2021 *Nil.*

Sl.No	Name of the Industry with complete Address, Email ID, Phone No	Description of the collaboration/Activities taken	Year	Link

Industry collaborations: 2022 *Nil.*

Sl.No	Name of the Industry with complete Address, Email ID, Phone No	Description of the collaboration/Activities taken	Year	Link

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Verified by: *(Signature)*
(Signature)

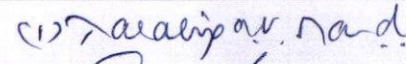
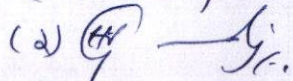
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Faculty Publications: 2021

Sl.No	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description	Date of Introduction (DOI)	PP	Vol.NO	Issue No	Year	Link

Faculty Publications: 2022

Sl.No	Name of the Faculty/Name of the Guide	Journal Name	Title of the Paper	Research description	Date of Introduction (DOI)	PP	Vol.NO	Issue No	Year	Link
1	Dr. T N Raju	Material Proceedings	Foil stiffness optimization of a gas lubricated thrust foil bearing in enhancing load carrying capability	Bearings	https://doi.org/10.1016/j.matpr.2021.11.210		Vol 5	Issue 4	2022	https://www.sciencedirect.com/science/article/pii/S2214785321072175
2	Dr. Prashanth A S	Material Proceedings	Microstructure, tensile and compression behaviour of B4C particles reinforced Al7075 matrix composites	Composite materials	http://dx.doi.org/10.1016/j.matpr.2021.11.008		Vol 08	Issue 5	2022	https://www.sciencedirect.com/science/article/pii/S2214785321072175

Verified by: (1) 
(2) 

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3	Dr. Mohan kumar		The Natural Frequency Analysis of a Turbine Blade by Varying Semicircular Notch Locations along the Edge	Turbines			Volume 7,	Issue 6	2022

Verified by : (1) *[Signature]*
(2) *[Signature]*

[Signature]
Department of Mechanical Engineering
Dr. Ambedkar Institute of Technology
Bengaluru - 560 056.

List of Industry Advisory Board
Description of activities so far: - Nil.

- ① Mr. Anshuman Dube, Director (Technical), Dulcom Instruments Pvt Ltd.
Prenya, 2nd Stage, Bangalore
- ② Mr. Gini Kumaresh, ~~is~~ Head R&D Autonomous Driving & Safety Systems,
Head, Accident Research India & Asean, Bosch Global Software Tech
nologies Pvt Ltd., Bangalore
- ③ Mr. Nikil R-B - CEO, Aarbeeys Industries, Dobbabpet, Bangalore.
- ④ Mr. Rahul Rathod - CEO, Zeal Manufacturing Company, Nagasandra Post
Bangalore
- ⑤ Mr. Angappaan, Scientist F, Aeronautical Development Agency, Bangalore.

Verified by: (1) Tanujay Armandu

(2) [Signature]

Dr. Ambedkar Institute of Technology, Bengaluru-56
Department of Electrical and Electronics Engineering
MOUs Mechanical

MOUs: 2019

Sl.No	Name of the Industry/Research organization with complete Address, Email ID, Phone No	Description of the MoUs/Activities taken	MoU signed date	Valid till	Term	Link
1.	<u>Toyota Kirloskar Motor Pvt. Ltd. Bidadi Industrial Area, Bengaluru Centre.</u>	<u>Establishment of Toyota Excellence</u>	<u>9, May, 2019</u>	<u>Till agreement is terminated.</u>	<u>—</u>	<u>—</u>

MOUs: 2020

Sl.No	Name of the Industry/Research organization with complete Address, Email ID, Phone No	Description of the MoUs/Activities taken	MoU signed date	Valid till	Term	Link

MOUs: 2021

Sl.No	Name of the Industry/Research organization with complete Address, Email ID, Phone No	Description of the MoUs/Activities taken	MoU signed date	Valid till	Term	Link
1	<u>Careerlabs Technologies Pvt. Ltd. No. 17, 1st Floor, Regent Court, 80 Feet Road, 4th Block, New Friends Colony, Koramangala, Bengaluru, Karnataka - 560034.</u>	<u>Student Workshop Training Program</u>	<u>21/12/2021</u>	<u>Till agreement is terminated</u>	<u>—</u>	<u>—</u>

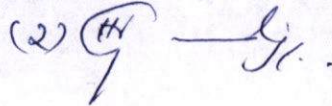
MOUs: 2022

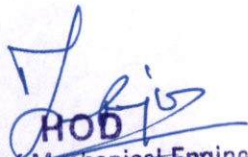
Sl.No	Name of the Industry/Research organization with complete Address, Email ID, Phone No	Description of the MoUs/Activities taken	MoU signed date	Valid till	Term	Link

Dr. Ambedkar Institute of Technology, Bengaluru-56
Department of ~~Electrical and Electronics Engineering~~
Mechanical

Email ID, Phone No	taken				

Description of activities so far conducted: -NIL-

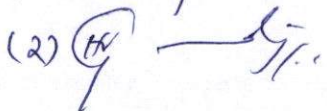
verified by: (1) Taralipati Nandi.
(2) 


Department of Mechanical Engineering
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Research and Development Centre

Quarterly plan to realize annual Target(Calender Year 2023)

#	Major/Minor Activity	Target: Quarter-1			Target: Quarter-2			Target: Quarter-3			Target: Quarter-4			Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	R & D Awareness Program(Publication, Patent,Funding)-Internal Experts	2	2	2	2	2	2	2	2	2	2	2	2	24
2	R & D Awareness Program(Publication, Patent,Funding)-External Experts	1	1	1	1	1	1	1	1	1	1	1	1	12
3	Research Publications Indexed in Scopus / WoS / SCIE - as 1st Author(01 per Faculty per Sem including Student Project)	2	2	2	2	2	2	2	2	2	2	2	2	24
4	Patents - Published (01 per PhD Faculty Per Year)	1	1	1	1	1	1	1	1	1	1	1	1	12
5	Patents - Published (01 per PhD Faculty Per Year)			2			2			2			2	8
6	Research Grants - Applied (01 per PhD Faculty Per Year)			1			2			3				6
7	Research Grants - Granted (01 per Department Per Year)			2			2			3			4	11
8	Consultancy (Rs.10,000/- or more) - For Each Department			1			2			3			4	10
9	MOUs / IIC Labs (01 Per Department Per Year)			1			1			1			1	4
10	Student Projects (Financial Support From KSCST / VTU etc)				10								5	15
11	FDPs on Research, Consultancy, Patents and related activities(FDP - 04Nos ATAL FDP / IIT / IIM / NITs per year)			10			30			25			30	95
12	Organizing Student - R&D Events (For Dr AIT)						1						1	2
13	Visit to Industry and Research Organizations(IISc/IIT / IIM / NIT / NIRF Top 25 Govt Institutes / R&D Labs) by Dr AIT R&D Department Members	1	1	1	1	1	1	1	1	1	1	1	1	12

verified by: (1) Narayana Nand
(2) 


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Bengaluru - 560 056.

Dr. Ambedkar Institute of Technology, Bengaluru-56
Name of the Department: *Mech*

Dr. Ambedkar Institute of Technology, Bengaluru - 560056
Department of Mechanical Engineering
Publication Statistics

Year	Publications		Citations	Crossreference citations	h-index	i-index	google scholar citations	books	Book chapter
	Scopus Publications	WoS publications							
2022	4	2	60	5	3	2	25	0	0
2021	4	0	15	4	1	1	15	0	0
2020	4	0	12	4	1	1	10	0	0
2019	4	0	10	3	1	1	5	0	0
2018									
2017									
2016									
2015									
2014	1	1	52	50	3	2	65	0	0
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Bengaluru - 560 056.

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