

# Journal Publications

2022-2023

## ELECTRICAL ENGINEERING RESEARCH:

Sr. No.	Name of Author/s	Title of Paper	Name of Journal	Year of Publication	Publisher	ISBN/ISSN Number
1	Dr. B. M. Nayak	Performance Investigation of Solar Photovoltaic System for Mobile Communication Tower Power Feeding Application	Bulletin of Electrical Engineering and Informatics (BEEI)	2022	IJEER	2074 - 272X
2	Dr. B. M. Nayak	Computation Of Cloud In Set Statistics Transferring”	Neuro Quant logy	2022	IJEER	1303 - 5150

3	Dr. B. M. Nayak	Power quality improvement by using photovoltaic based shunt active harmonic filter with Z-source inverter converter	Electrical Engineering & Electromechanics(EEE),	2022	IJEER	2347 - 470X
4	Dr. B. M. Nayak	Design and Installation of High Capacity Centralized Coolant Pump for Optimization of Power Consumption using VFD Controller	International Journal of Advanced Research in Science, Communication and Technology	2022	IJAR SCT	2581 - 9429
5	Dr. B. M. Nayak	Monitoring and Controlling of Solar Power Plant Based on IoT	International Journal of Advanced Research in Science, Communication and Technology	2022	IJAR SCT	ISSN 2581 - 9429

6	Ms. Aishwarya Mulik	Compressed Air Energy Storage and Renewable Power Generation Considering Demand Response: A Review	Taylor & Francis Group	2023	T&FG	
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2021-2022

Sr. No.	Name of Author/s	Title of Paper	Name of Journal	Year of Publication	Publisher	ISBN/ISSN Number
1	-	-	-	-	-	-

2020-2021

Sr. No.	Name of Author/s	Title of Paper	Name of Journal	Year of Publication	Publisher	ISBN/ISSN Number
1	Mr. B. M. Nayak	Neural Network Based Disturbance Observer Assisted Predictive Control for Induction Motors	Bulletin of Electrical Engineering and Informatics (BEEI)	2020	IJEER	0886 - 9367

2019-2020

Sr. No.	Name of Author/s	Title of Paper	Name of Journal	Year of Publication	Publisher	ISBN/ISSN Number
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1	-	-	-	-	-	-
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2018-2019

Sr. No.	Name of Author/s	Title of Paper	Name of Journal	Year of Publication	Publisher	ISBN/ISSN Number
1	-	-	-	-	-	-

2017-2018

<b>Sr. No.</b>	<b>Name of Author/s</b>	<b>Title of Paper</b>	<b>Name of Journal</b>	<b>Year of Publication</b>	<b>Publisher</b>	<b>ISBN/ISSN Number</b>
1	Mr. B. M. Nayak	GaN Based synchronous Buck converter with Zero-voltage transition switching	International Journal on Advance Recent Emerging Methods	2017	IJAREM	
2	Mr. Somesha Naik S R	Automatic Testing of ACS2000 Medium Voltage Drive	International Journal for Innovative Research in Science & Technology	2017	IJIRST	2349 - 6010

3	Mr. Somesha Naik S R	Health Monitoring System of Patient	International Journal for Innovative Research in Science & Technology	2017	IJIRST	2349 - 6010
4	Mr. Shivachandra Hindinamani	Implementation of Zigbee Technology for Patient Health Care Monitoring System	International Journal of Advanced Research in Computer and Communication Engineering	2017	IJARCCCE	ISSN 2278 - 1021

# Conference Publication

2023-2024

## ELECTRICAL ENGINEERING CONFERENCE:

<b>Sr. No.</b>	<b>Name of Author/s</b>	<b>Title of Paper</b>	<b>Name of Conference</b>	<b>National/International</b>	<b>Organizing Agency/Institution &amp; Location</b>
1	Ms. Aishwarya Mulik	Compressed Air Energy Storage Scheduling with Demand Response in Electricity Market	Asian Conference on Innovation in Technology	International	ASIANCON



2022-2023

ELECTRICAL ENGINEERING CONFERENCE:

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1	-	-	-	-	-

2021-2022

<b>Sr. No.</b>	<b>Name of Author/s</b>	<b>Title of Paper</b>	<b>Name of Conference</b>	<b>National/International</b>	<b>Organizing Agency/Institution &amp; Location</b>
1	-	-	-	-	-

2020-2021

<b>Sr. No.</b>	<b>Name of Author/s</b>	<b>Title of Paper</b>	<b>Name of Conference</b>	<b>National/International</b>	<b>Organizing Agency/Institution &amp; Location</b>
1	Ms. Ashlesha Mali	Single Phase PWM Rectifier is method of Converting AC/DC in Charging System for EV	International Conference on Emerging Trend in Engineering and Technology	International	ICETET

2019-2020

<b>Sr. No.</b>	<b>Name of Author/s</b>	<b>Title of Paper</b>	<b>Name of Conference</b>	<b>National/International</b>	<b>Organizing Agency/Institution &amp; Location</b>
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1	Mr. B. M. Nayak	Comparative Improvement Control Techniques for Asynchronous Motor Drive	International Conference on Recent Trends in Automation	International	ICRTA
2	Mr. B. M. Nayak	A Non linear motor drive control using AI networks	International Conference on Emerging Trends in Engineering, Science and Technologies	International	ICETEST

2018-2019

Sr. No.	Name of Author/s	Title of Paper	Name of Conference	National/International	Organizing Agency/Institution & Location
1	Ms. Ashlesha Mali	Wireless Monitoring of Solar and Wind Hybrid System	International Conference on Recent Innovation in Science Engineering and	International	ICRISEM

			Management		
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2017-2018

Sr. No.	Name of Author/s	Title of Paper	Name of Conference	National/International	Organizing Agency/Institution & Location
1	Mr. B. M. Nayak	Comparison of Technologies in Electric Hybrid Vehicle machines and Batteries	International Conference on Emerging Trends in Engineering, Science and Technologies	International	ICETEST

2	Mr. B. M. Nayak	Efficiency and Power factor improvement using DVR	International Conference in Research Trends in Engineering	International	ICIRTE
3	Dr. B. M. Nayak	Single phase to three phase conversion using MOSFET's	International Conference in Research Trends in Engineering	International	ICIRTE

# Research & Development



Government of Maharashtra Act No. XXII of 1989, XXIX of 2014

**Dr. Babasaheb Ambedkar Technological University Lonere**

**Office of Dean (R&D)**

**“Vidyavihar”, LONERE 402103, Dist. Raigad, Maharashtra, India**



**Prof. (Dr.) Sachin M. Pore**  
Professor, Department of Civil Engineering  
Dean (R &D)

No. Dean (R&D)/DBATU-VC-RPG-2023/01  
Date: 30/03/2023

## **Declaration of List of Proposals Provisionally Shortlisted for Funding under DBATU-VC-RPG-2023**

- References:** 1) MoM of FC dated 19/01/2023, circulated on 21/01/2023  
2) MoM of AC dated 19/01/2023 circulated on 13/02/2023  
3) Approval of Hon. Vice Chancellor for Scrutiny of received proposals 17/02/23  
4) Announcement of Call for Proposal circulated to all faculty of DBATU Lonere, all Principals of affiliated colleges and website of DBATU  
5) Approval dated 30/03/2023 for declaration of selection for proposals under DBATU-VC-RPG-2023 by Hon. Vice-Chancellor, Prof. (Dr.) K. V. Kale

It is pleasure, to place on record that in the first attempt to cultivate a quality research culture in DBATU family of faculty, we received **Total - 214 Proposals**. These were scrutinized by selection committee. Shortlisted proposals were granted presentation to panel of expert judges. With reference to no. 5 above, enclosed herewith is the list of proposals provisionally selected for financial grant under DBATU Vice Chancellor’s Research promotion Grant (DBATU-VC-RPG-2023). All applicants are hereby directed to submit final copy of DPR to comply inclusion of:

- 1) review by experts after presentation
- 2) planning of research work distributed over 24 months
- 3) planning of allotted grant as distributed over first and second year with details of recurring and non-recurring requirement.

Format for submission of DPR remains as before. It is available on university website under “Research” tab. Applicants shall include full contact details such as name, address, email and cellphone number. DPR completed in all respects shall be emailed to [dbatu.vc.rpg@dbatu.ac.in](mailto:dbatu.vc.rpg@dbatu.ac.in) on or before 21/04/2023. A google form will be circulated to all applicants to collect summary of application. It is requested to note that University is in process to define norms of expenditure under DBATU-VC-RPG. These will be provided very soon and immediately after that 1<sup>st</sup> installment of grant will be disbursed. It is expected that these norms are strictly adhered while making expenditure. After review of performance after one year, there is scope of reappropriation of funds. Good performing projects may be allotted funds from poor performing projects. Sincere congratulations to all researchers and wish you all the best!!

Enclosure: List of selected proposals

Copy to Hon. Vice-Chancellor for kind favor of information.  
All Deans,  
All Heads of Department and Section Heads  
All Principals of affiliated colleges

**Dr. Sachin M. Pore**  
Professor in Civil Engineering  
Dean (R&D)

**Provisionally Selected Research Proposals for Funding under the  
Scheme DBATU -VC-RPG 2023**

18	Civil	Dr. G. R. Gandhe	saurabhnikhe@di etms.org	Deogiri Institute of Engineering and Management Studies, Aurangabad, Maharashtra	Composite Grey Water Treatment System for Rural Household	300000
19		Ganesh A. Suryawanshi	gasuryawanshi@ dbatu.ac.in	Dr. Babasaheb Ambedkar Technological University Lonere	Design and Development of Universal Test Rig setup for Pipes	300000
20	Mechanical	Dr. Sangeeta Sidram Metkar	sbbodekar@dbatu .ac.in	Dr. Babasaheb Ambedkar Technological University Lonere	Analysis of Tulsi (Ocimum Basilicum) Leaves	300000
21		Dr. B. K. Sonage	dipakbhoge85@g mail.com	NK Orchid College of Engg. & Tech., Solapur	Smart building technologies for decarbonaiztion and to enhance energy efficiency in buildings	300000
22		Dr. B. F. Jogi	bfjogi@dbatu.ac.i n	Dr. Babasaheb Ambedkar Technological University Lonere	Study of engineering aspects of SHIVKALIN weapons	300000
23		Dr. H S Joshi	hsjoshi@dbatu.ac .in	Dr. Babasaheb Ambedkar Technological University Lonere	Design, Development and Testing of Robot based Library Automation System	300000
24		Prof Sachin B Lahane	profsachinlahane @gmail.com	CSMSS CHH SHAHU COLLEGE OF ENGINEERING AURANGABAD	Fully Automatic Vegetable Trans -planter for Sapling of brinjal, chili, tomato.	300000
25		Dr. Izhak D Paul	izakpaul@gmail.c om	Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal	Fabrication of Foldable Solar Dryer for Household Purpose	300000
26		Dr. Deepakkumar Himmatrao Patil	deepakpatil285@ gmail.com	C.SMSS Chhtrapati Shahu College of Engineering, Chhatrapati Sambhajanagar	Development of continuous flow channel reactor	300000
27		G S Warkhade	gswarkhade@dba tu.ac.in	Dr. Babasaheb Ambedkar Technological University Lonere	The performance investigations of an agriculture engle using Bio-gas produced from locally available elephant graass/herbal waste	300000
28		Dr. Neeraj Agrawal	neerajagrawal@ dbatu.ac.in	Dr. Babasaheb Ambedkar Technological University Lonere	Performance Improvement of a Domestic Refrigerator Using Phase Change Material and nano particles	300000
29		Dr. Dhobe Milind M.	m_dhobe@rediff mail.com	PES COLLEGE OF ENGINEERING , AURANGABAD	Punching/Blanking Tool service life improvement using Heat treatment & cryogenic treatment & digitizing its measurement	300000
30	Electrical	Kaustubha H. Shedbalkar	khshedbalkar@sit coe.org.in	Sharad Institute of Technology College of Engineering, Yadrav Ichalkaranji	Solar PV feeder approach for existing agriculture feeder in Shirol Taluka.	205000
31		Syed Suhail Ahmed	daimi82@gmail.c om	Gramin Technical and Management Campus Vishnupuri,Nanded	Analysis and improvement in aging life of Li-ion Battery	300000
32		Dr. B. M. Nayak	bmnayak.agce@g mail.com	Arvind Gavali College of Engineering Satara	Pyro-cycling: Electricity generation by plastic and dry garbage waste	300000
33	Humanities	Dr. Amit Shesh	apshesh@dbatu.a c.in	Dr. Babasaheb Ambedkar Technological University Lonere	A survey on Assessment of Perception of Language Acquisition of Stakeholders in the Maharashtra State Technological University & Role of ICT	300000
34		Mr. Ravindra C. Gahane	ravigahane@gmai l.com	Nutan College of Engineering and Research.	Optimizing Pesticide Application in Agriculture.	300000
35		Dr. Sanjay Khobragade	svk2305@gmail.c om	Dr. Babasaheb Ambedkar Technological University Lonere	Green Infrastructure and Connectivity to Remote Habitations for Tribal Community	300000