

R&D Data Format

Session 2022-2023 (August 2022 to July 2023)

Journal Paper

S.No.	Author(s), in sequence as mentioned in the paper	Title	Journal and Publisher Name	Volume, Issue, ISSN, Page No, Year of Publication	Indexing (SCIE/ SSCI/ AHCI/ESCI/ Scopus), if not index, write no	Impact Factor (Clarivate or equivalent agency only)	Department in abbreviation	Session	DOI (in the form of the link)
Dr. A. Ambikapathy (Prof. & HoD)									
1	ArunprasadGovindharaj, AnithaMariappan, Ambikapathy Aladiyan, Hassan HaesAlhelou	Real-time implementation of adaptive neural backstepping controller for battery-less solar-powered PMDC motor	IET power electronics / IET	Vol 16/ issue 1/ Jan 2023	SCI	2.112	EEE	2022-2023	https://doi.org/10.1049/pel2.12369
Dr. Ravendra Singh									
1	Ravendra Singh ; PrithvirajSarkar; VibhuGoswami; Rajan Yadav	Review of Low cost Micro Remotely Operated Underwater Vehicle	Ocean Engineering, Elsevier	vol.266(2), ISSN 0029-8018, pp.1-10,2022	SCIE	5.00	EEE	2022-23	https://doi.org/10.1016/j.oceaneng.2022.112796
Dr. Kapil Deo Bodha									
1	Shahroz Anjum , MohdAlamgir Khan , Kapil Deo Bodha , Divya Ahluwalia	Modeling and experimental validation of matrix	Optik		SCIE	3.1	EEE	2022-23	https://www.sciencedirect.com/science/article/abs/pii/S0030402622013997

structure
 photovoltaic
 array
 reconfiguration
 technique to
 harvest
 maximum
 power under
 continuous
 dynamic
 shading
 condition

Conference

mentioned in the paper

Title

Conference
 Name and its
 details

ISSN/ ISBN,
 Page No,
 Year of
 Publication

Indexing
 (Scopus/
 WoS), If
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 index,
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Department
 in
 abbreviation

Session

DOI (in the form of th

HoD)

P.A., Rubi, J., Jyothi, G., **Ambikapathy, A.** and Vasuki

Human Computer
 Interface
 Application for
 Emotion
 Detection Using
 Facial
 Recognition

2022 IEEE
 International
 Conference on
 Current
 Development in
 Engineering
 and Technology
 (CCET)

978-1-6654-
 5415-5 /
 2023

Scopus

EEE

2022-
 2023

<https://ieeexplore.ieee.org/abstract/document/1011094560>
[10.1109/CCET56001.2023.1011094560](https://doi.org/10.1109/CCET56001.2023.1011094560)

an, U., Ramya, V.S., Gomalavalli, R., Hema, L.K. and

Computing
 Model for
 Alzheimer

2022 IEEE
 International
 Conference on

978-1-6654-
 5415-5 /
 2023

Scopus

EEE

2022-
 2023

<https://ieeexplore.ieee.org/abstract/document/1011094560>
[10.1109/CCE](https://doi.org/10.1109/CCE)

	Machine Learning Applications	Engineering and Technology (CCET)					
AryanShukla, DevmaniTiwari, Ayush Singh	Fruit Recognition System Using MATLAB	2023 Int. Conf. On Recent Advances in Electrical Electronics and Digital Healthcare Technologies REEDCON. 01-03 May 2023	978-1-6654-9382-6 Pp:74-78, 2023	SCOPUS	EEE	2022-23	https://doi.org/10.1109/
ava;AmanSaraswat;AyushMishra;IshikaMasand;FayFhadil	Handwritten Character Recognition Using Machine Learning	2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)	DeptOrganised	Scopus	EEE	2022-23	10.1109/ICACITE5741
thi; Shristi Kumari; SuryanshSachan; Reena Sharma	A Research on DNA and RSA Cryptography for Hybrid	2023 2nd International Conference on Vision Towards	979-8-3503-4798-2/1-5/2023	Scopus	EEE	2022-23	https://ieeexplore.iee 10.1109/VITECoN581

	Encryption and Decryption for Cloud Processing via IOT Devices	Emerging Trends in Communication and Networking Technologies (ViTECoN)					
ShubhankarPandey; NiyantaPandey; Naman Gupta; Ojas Saran	Assessment of Different Deep Learning Models for Hardware Requirements and Pre-Processing Steps for Efficient Wind Power Forecasting	2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)	DeptOrganised	Scopus	EEE	2022-23	10.1109/ICACITE574
NiyantaPandey; ShubhankarPandey; Naman Gupta; Ojas Saran	A Robust Hybrid Deep Learning Model for Wind Power Forecasting	2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)	DeptOrganised	Scopus	EEE	2022-23	10.1109/ICACITE5741
ShubhankarPandey; NiyantaPandey; Naman Gupta; Ojas Saran; R. Prasad, R. Pandey, S. S. Khati, T. Kumar	Review on Different MemristorEmulator Models and Its	3rd International Conference on Advance Computing and	ISBN:979-8-3503-9926-4, pp. 1786-1793, 2023	Scopus	EEE	2022-23	10.1109/ICACITE57410

	Current Trend	Innovative Technologies in Engineering (ICACITE), Greater Noida, India					
asad, K. Amarjeet, Y. Dixit and M. Al-Tahee	Differential Lossy Integrator using FTFNTA	3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Greater Noida, India	ISBN:979-8-3503-9926-4, pp. 1996-1999, 2023	Scopus	EEE	2022-23	10.1109/ICACITE57410
iv, A. Mehdi, A. Pal and L. Fouad	Speed Analysis of BLDC Motor by Implementation of Fuzzy Logic Based PID Controller	<i>3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE)</i>	979-8-3503-9926-4	Scopus	EEE	24 July 2023	doi: 10.1109/ICACITE57410
hemariya,	Reliability Concern of IoT Based Monitoring Systems	ICACITE-2022		Scopus	EEE,GCET	2022-23	DOI: 10.1109/ICACITE57410
a; Akshat Gupta, HritikDwivedi	Pi Based Controller for Bi-Direcrtnal Energy Flow From Evb To Grid and Grid To Evb	ICACITE-2023		Scopus	EEE,GCET	2022-23	DOI: 10.1109/ICACITE57410

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Book

S. No.	Author(s), in sequence as mentioned in the paper	Title	Indexing (Scopus/WoS), if not index, write no	ISSN/ ISBN, Year of Publication	Name of the publisher	Role(Editor/ Author)	Department in abbreviation	Session
Dr. A. Ambikapathy (Prof. & HOD)								
1	Ambikapathy, Shobana R. , Logavani, Dharmasa	Reinvention of Health Applications with IoT: Challenges and Solutions	Scopus	978-0-367-76334-3, 2022	Taylor and Francis	Editor	EEE	2022-23

Book Chapter

S. No.	Author(s), in sequence as mentioned in the paper	Title	Indexing (Scopus/WoS), if not index, write no	ISSN/ ISBN, Page No, Year of Publication	Name of the publisher	Department in abbreviation	Session
Dr. A. Ambikapathy (Prof. & HoD)							
1	R Kishore Kanna, R Gomalavalli, Yamuna Devi, A Ambikapathy	Computational Cognitive Analysis for Intelligent Engineering Using EEG Applications	Scopus	DOI: 10.4018/979-8-3693-0044-2.ch017 979-836-930044-2 pp 42-51 2023	IGI Global	EEE	2022-2023
Dr. Ravendra Singh							
1	LakshayBansal, AnantGarg, Ishanvi Prasad & Ravendra Singh	Social Distance Alerting Device for COVID-19	Scopus	ISBN 978-981-19-6383-4, pp. 185-196, 2023	Lecture Notes in Electrical Engineering, Springer, Singapore	EEE	2022-23
2	Ruchin Sharma, Dinesh Prasad & Ravendra Singh	An Electronically Tunable Digitally Controlled Current Mode Quadrature Oscillator Using DC-VDTA	Scopus	ISBN 978-981-99-0969-8, pp. 471-478	Lecture Notes in Electrical Engineering, Springer, Singapore	EEE	2022-23

Patent

S. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor(s) Name as per the sequence mentioned on the patent	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YY YY)	Patent Published Date / Granted Date (DD/MM/YYYY)
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Funded/ Consultancy Project

S.No.	Title of the project	Name of the Principal Investigator/Co-investigator	Year of approval/ starting	Amount Sanctioned (in lakhs)	Duration of the project	Name of the Funding Agency	Department in abbreviation	Type (Funded/ Constancy)	Type (Government/non-Government)
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Ph.D. Supervised

S.No.	Supervisor Name	Candidate Name	Department of Supervisor	Ph. D. Title, University Name, Date of starting, Current Status

Ph.D. Awarded

S.No.	Candidate Name	Department in abbreviation	Ph. DTitle, University, Session of Awarding Ph.D. Degree
Dr. A. Ambikapathy (Prof. & HOD)			
1	Kanaiyah Kumar	EEE	EFFICIENT SOLAR ENERGY HARVESTING USING IMAGE PROCESSING AND SOFT COMPUTING TECHNIQUE/ Galgotias University / 2022-2023