



Achievements of Faculty Members

Academic Year : 2022-2023

Number of Research papers published in Journals	Number of patents granted	Number of papers published in National Conferences	Number of papers published in International Conferences	Number of Books Authored
40	1	0	2	3



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**Research papers published in Journals**

Title of paper	Name of the author/s	Deptt. of the teacher	Name of journal	Year of publication	ISSN No.	Link to the Paper
Design & Development of Portable mobile solar charger	Mr. S. R. Raut	Mech. Engg.	IRJMETS	Volume 5, Issue 5, 2023	2582-5208	Click Here
Solar Powered Agricultural Sprayer	Mr. B. K. Chavhan	Mech. Engg.	IJIEMR	Volume 12, Issue 5, 2023	2456 – 5083	Click Here
Design and Fabrication of Overhead Water Tank Cleaning Mechanism	Mr. Ashish B Samarth	Mech. Engg.	IJIEMR	Volume 12, Issue 5, 2023	2456 – 5083	Click Here
Solar Powered RO Water Purification System	Dr. V. L. Bhambere	Mech. Engg.	IJIEMR	Volume 12, Issue 5, 2023	2456 – 5083	Click Here
Pipe Inspection Robot	Mr. Priya R Khadse	Mech. Engg.	IJIEMR	Volume 12, Issue 5, 2023	2456 – 5083	Click Here
A Case Study of Multipurpose Agriculture Operating Machine	Mr. K. N. Kalaspurkar	Mech. Engg.	IJIEMR	Volume 12, Issue 5, 2023	2456 – 5083	Click Here
Mine detector & Fire fighter Robot	Mr. P. H. Rathod	Mech. Engg.	IJIEMR	Volume 12, Issue 5, 2023	2456 – 5083	Click Here
Automatic Water level controller System	Mrs. E. A. Rangari	Electrical Engg	IRJMETS	Apr-23	2582-5208	Click Here
Smart hand Gloves for Aphasia People	Mr. S. M. Jena	Electrical Engg	IRJMETS	Apr-23	2582-5208	Click Here
A Review Paper on Smart hand Gloves for Aphasia people	Mr. S. M. Jena	Electrical Engg	IRJMETS	Apr-23	2582-5208	Click Here
Implementation of Smart Hand Gloves for Aphasian Peoples	Mr. S. M. Jena	Electrical Engg	IRJMETS	Apr-23	2582-5208	Click Here
Power Quality Issue And Detection Method for Voltage Sag and Swell Review paper on design and development of an Automated liquid bottle filling and capping system using Arduino uno	Mr. P. S. Wankhade	Electrical Engg	IJAITE	May-23	2455-6491	Click Here
Design & Development of an automated liquid bottle filling and capping system using Arduino uno	Mr. P. S. Wankhade	Electrical Engg	IRJMETS	Apr-23	2582-5208	



Review paper on Automated Water bottle filling system using Arduino UNO Controller	Mr. P. S. Wankhade	Electrical Engg	IJAITE	May-23	2455-6491	Click Here
Automated Water bottle filling system using Arduino Uno controller	Mr. P. S. Wankhade	Electrical Engg	IRJMETS	Apr-23	2582-5208	Click Here
Smart Conference hall by using IOT	Mr. D. P. Charde	Electrical Engg	IJNRD	May-23	2456-4184	Click Here
Review paper on remote control Home automation	Mr. D. P. Charde	Electrical Engg	IRJMETS	Mar-23	2582-5208	Click Here
A review paper on Home Automation system using IOT	Mr. D. P. Charde	Electrical Engg	IRJMETS	Mar-23	2582-5208	Click Here
Smart home using IOT	Mr. D. P. Charde	Electrical Engg	IRJMETS	May-23	2582-5208	Click Here
A Review paper on Health monitoring system using Arduino	Ms. P. H. Kadam	Electrical Engg	IRJMETS	Apr-23	2582-5209	Click Here
Health monitoring by Arduino	Ms. P. H. Kadam	Electrical Engg	IJNRD	05/05/23	2456-4184	Click Here
Health monitoring system by using Arduino	Ms. P. H. Kadam	Electrical Engg	IRJMETS	May-23	2582-5208	Click Here
Research paper on Transmission line fault detection system by using neural Network	Ms. B.D. Sulbhewar	Electrical Engg	IRJMETS	May-23	2582-5208	Click Here
Review paper on Transmission line fault detection system	Ms. B.D. Sulbhewar	Electrical Engg	IRJMETS	Mar-23	2582-5208	Click Here
IOT instant contactless Covid Testing booth Automation	Mrs. M. D. Hedau	Electrical Engg	IJIRT	Mar-23	2349-6002	Click Here
Instant Contactless Covid Testing using Booth Automation	Mrs. M. D. Hedau	Electrical Engg	IRJMETS	Apr-23	2582-5208	Click Here
Instant IOT Automatic Covid testing booth	Mrs. M. D. Hedau	Electrical Engg	JETIR	Mar-23	2349-5162	Click Here
A Review Paper On Fabric formwork	Mr. S. R. Raut	Civil Engineering	IJARST	vol.3,issue 1,February 2023	2581-9429	Click Here
Final Paper On Strength & Durability Evaluation of Recycled Aggregate	Mr. V .R. Bankar	Civil Engineering	IJPREMS	Vol. 03,Issue 05, Ma , ISSN No	2583-1062	Click Here
Review Paper On Experimental Study On	Mr. V. R. Bankar	Civil Engineering	IJPREMS	Vol. 03, Issue 05, May	2456 – 5083	Click Here



Compressive Strength Evaluation of Recycled						
Review Paper On Analysis of Earthquake Resisting Building With Shear Wall	Mr. R. J. Raut	Civil Engineering	IJNRD	Vol. 8, Issue3 March	2456-4184	Click Here
Review Paper-I On Study & Design of Mini Dam On Adani River Near Bori Gosavi Village	Mr. P. P. Deogade	Civil Engineering	IJSEDR	Vol 7 Issue 11, Nov 2022, ISSN	No.2455-2631	Click Here
Review Paper-II On Study & Design of Mini Dam On Adani River Near Bori Gosavi Village	Mr. P. P. Deogade	Civil Engineering	IJRASET	Vol. 10, Issue XII, December 2022.	2321-9653	Click Here
Final Paper-I On Study & Design of Mini Dam On Adani River Near Bori Gosavi Village	Mr. P. P. Deogade	Civil Engineering	IJNRD	ol. 8, Issue3 March,	2456-4184	Click Here
Review Paper-II On Study & Design of Mini Dam On Adani River Near Bori Design of Mini Dam On Adani River Near Bori Gosavi Village	Mr. P. P. Deogade	Civil Engineering	IJPREMS	Vol. 03, Issue 05, March	2583-1062	Click Here
Study & Analysis of Rotary	Mr. H. D. Mishra	Civil Engineering	IJARS	vol. 3, Issue 2, February 2023,	2581-9429	Click Here
Review Paper On Characteristic Study of Water Sample For Public Schools & Colleges In Yavatmal	Mrs. V. Y. Deshmukh	Civil Engineering	IJRASET	Vol. 11, Issue 111, March 2023, .	2321-9653	Click Here
Experimental Study On Partial Replacement of Aggregate By Using Plastic Waste	Mr. A.I. Deshmukh	Civil Engineering	IJARSCT	Vol. 3, Issue 2, May 2023,	2321-9653	Click Here
Experimental Investigation of Concrete On Partial Replacement of Fine Aggregate With Crumb Rubber	Mr. A. B. Moghe	Civil Engineering	IJARCET	Vol 3, Issue 1 March 2023	2581-9429	Click Here
Study of Physical and Chemical Properties in Ground Water in Region Subhash Nagar, Wadgaon, District-Yavatmal	Dr. M. B. Wasu	Science and Humanities	IJRPR	Nov-22	2582-7421	Click Here



JAGADAMBHA BAHUUDDESHIYA GRAMIN VIKAS SANSTHA'S

JAGADAMBHA

COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

Approved by A.I.C.T.E. & Government of Maharashtra, Affiliated to S.G.B. Amravati University, Amravati.



Patents Granted

Sr. No.	Name of Faculty Members	Design No Date	Date of Grant/Published	Title of Design Patent
1	Dr. Vijay G. Neve	383704-001 12/04/2023	06/07/2023	Smart Solar Hydroponic System With Plant Tracking



Wshobh
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Website : www.jcoet.org, Email : principal@jcoet.org, principal.jcoet@gmail.com



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India
डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 383704-001
तारीख / Date : 12/04/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *SMART SOLAR HYDROPONIC SYSTEM WITH PLANT TRACKING* से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr. Pawan Kumar Singotia 2. Dr. Vijay Gajanan Neve 3.Dr. Bhavana Karmore 4.Mr. V K Barbudhe 5.Mrs. Shraddha Zanjat 6.Dr. Alok Ranjan 7.Dr. Shrikant Jagdish Honade 8.Mr. R S Shriwas 9.Mr. Vijay Dhote 10.Miss Kanchan M Pimple के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to *SMART SOLAR HYDROPONIC SYSTEM WITH PLANT TRACKING* in the name of 1.Dr. Pawan Kumar Singotia 2. Dr. Vijay Gajanan Neve 3.Dr. Bhavana Karmore 4.Mr. V K Barbudhe 5.Mrs. Shraddha Zanjat 6.Dr. Alok Ranjan 7.Dr. Shrikant Jagdish Honade 8.Mr. R S Shriwas 9.Mr. Vijay Dhote 10.Miss Kanchan M Pimple.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 06/07/2023
Date of Issue :



सहायक पेटेंट, डिजाइन और वाणिज्य चिह्न
Controller General of Patents, Designs and Trade Marks

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Papers Published in International Conferences

Title of paper	Name of the author/s	Deptt. of the teacher	Name of Conference	Date of Conference
IoT Based Home Automation System Using Raspberry Pi	Dr. V. G. Neve	Electrical Engg.	5th International Conference on Science and Technology for Society ICSTS-2022, Goa	19 and 20 June 2022
Power System Protection by Artificial Intelligence	Ms. P. H. Kadam Mrs. E. A. Rangari Mr. D. P Charde Mr. P. S. Wankhade	Electrical Engg.	5th International Conference on Science and Technology for Society ICSTS-2022, Goa	19 and 20 June 2022



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POWER SYSTEM PROTECTION BY ARTIFICIAL INTELLIGENCE

¹C. H. Kidile, ²P.H. Kadam, ³E.A. Rangari, ⁴D.P. Charde and ⁵P. S. Wankhade

^{1,2,3,4,5}Electrical Engineering Department, J.C.O.E.T., Yavatmal, MS, India
Email Id : ekeshwari.rangari@gmail.com

Abstract : Since early time period, much more of efforts are taken in power system analysis, has turned away from the methodology of format and mathematically modeling which came from fields of operations research, control theory and numerical analysis to the less efficient techniques of artificial intelligence (AI). At present, the most fundamentals AI techniques which being used in power system application are those which are based on logic and knowledge representations of expert systems, fuzzy systems, artificial neural network (ANN) and the most recent ideology is of evolutionary computing . This above mentioned technique is outlined in this paper and the power system application indicated.

The conventional techniques don't fulfill the probabilistic essence of power systems. This leads to increase in operating and maintenance costs. Plenty of research is performed to utilize the current interest AI for power system applications.

Keywords: Artificial intelligence, Power system, Artificial neural network, Fuzzy logic, Fuzzy logic controller

THE EFFECT OF LAUNDRY DETERGENTS ON STAIN REMOVAL FROM COTTON FABRIC

H.A. Padole

Sevadal Mahila Mhavidyalaya, Nagpur, MS, India
Email Id : hema.padole@gmail.com

Abstract : Cleanliness is an important factor in human health and comfort; many people stain their clothes and don't know the best way to take the stain out. The main purpose of this study was to test and observe four different laundry detergents and how they affected stains. The methodology adopted for the study was to use white cotton fabric and four commercial laundry detergents and four biological stains were selected. The purpose of the experiment was to determine which laundry detergent would best remove different types of stains by measuring the amount of stain removed. This study helps the consumer, housewives to understand which laundry detergent worked best.

Keywords: Cotton fabric, Detergents, Biological stains



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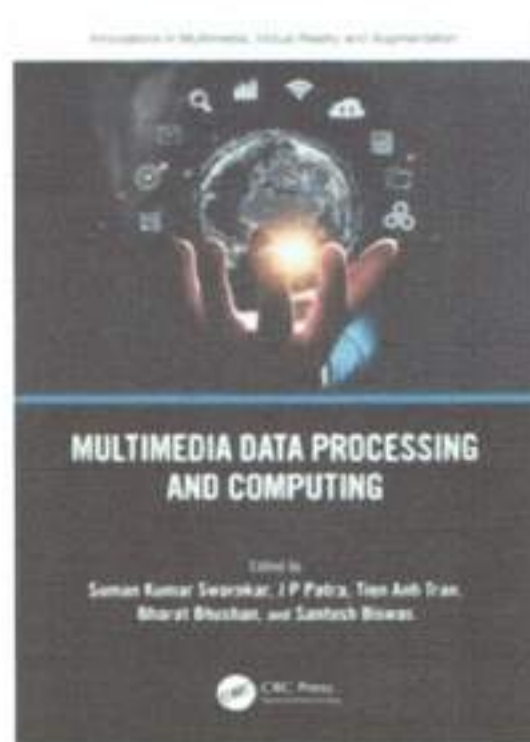
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**Books Authored**

Sr. No.	Name of Faculty Members	Book Title	ISBN No.	Publisher
1	Mrs. E. A. Rangari	Digital Image Processing	9798890263186	Universe-Win Publication House and Research Services Pvt. Ltd.
2	Mr. R. V. Deshmukh Mrs. R. S. Sawant	Data Processing Methodologies and a Serverless Approach to Solar Data Analytics	9781003391272	CRC Press
3	Mr. S. D. Kale	Design and Development of Android Based Mobile Help Application	9786205487730	Lap Lambert Academic Publishing



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Data Processing Methodologies and a Serverless Approach to Solar Data Analytics

By Parul Dubey, Ashish V. Mahalle, Ritesh V. Deshmukh, Rupali S. Sawant

Book [Multimedia Data Processing and Computing](#)

Edition 1st Edition

First Published 2023

Imprint CRC Press

Pages 19

eBook ISBN 9781003391272



W.B. Kholi
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This book contains the design & development of Android Based Mobile HELP Application for the categorized emergency services namely Hospitals, Medical Stores, Police station, Fire Brigade, Hotels & Garage. In India most of the population are android users and use google maps in exigency to search and locate the emergency services such as Hospitals, Medical Store etc. When the user searches for a specific hospital, Google Map shows all possible Hospitals that are at a far distance from the user. This Android application is built using the Android studio platform using react native frameworks & Java Script, JSON language as front end & XML as backend application development. The Dashboard of HELP Application displays the categorized emergency services, by selecting a particular emergency service shows the list of available services with their contact details, Email ID & the address nearest to the user, also this HELP application provides the share button, calling button, Email button & Map Button. The share button helps the user to share the details with others through Telegram, Whatsapp, Email & SMS etc. The Dial button helps the user to call directly to the desired services.



Shrikant Kale

Design and Development of Android Based Mobile HELP Application

For Emergency Services

Prof. Shrikant D. Kale is working as Assist. Professor in E&TC Engg. Deptt. of Jagadamba College of Engg. & Tech., Yavatmal. He has more than 12 years of teaching experience, published several research Papers. He received M. E. (Digital Electronics) from S.G.B. Amravati, University. His area of interest is medical image processing, neural network.



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**Other Achievement**

Sr. No	Name of Faculty Members	Achievement
1	Mr. Sumit R. Raut	Received the Certificate of Excellence in Reviewing by Journal of Energy Research and Review on 13/10/2022.
2	Mr. Sumit R. Raut	Received the Certificate of Excellence in Peer-Reviewing by International Knowledge Press on 23/11/2022.
3	Mr. Dr. Vijay G. Neve	Worked as a Chairperson for Technical Session in 5 th International Conference held on Science and Technology for Society (ICSTS-2022) at Goa on 19 and 20 June 2022
4	Mr. P. S. Wankhede	Appreciation Letter for "E-West Sankalan Mohim", by Prayas, Yavatmal and Yavatmal Ploggers on 31 July 2022

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