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St. JOSEPH'S COLLEGE OF ENGINEERING

(An Autonomous Institution)

St. Joseph's Group of Institutions Jeppiaar Educational Trust

OMR, Chennai - 119.



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MAY 2023 DEPARTMENT OF BIOTECHNOLOGY

S.No. Title of the Events and Photographs	Details of the Event
FDP/WORKSHOP/CONFERENCE Faculty Development Programme On EXPLORING DYNAMICS OF NATIONAL EDUCATION POLICY 2020 WITH REFERENCE TO NAAC PERSPECTIVES OF THE CONTROL OF SOME PROGRAM OF THE CONTROL	Dr.C.Karthik attended a FDP on Exploring dynamics of national education policy 2020 with reference to NAAC perspectives from 12-18 th May 2023 conducted by Parul university Gujarat Ms.D.G. Caroline attended a FDP on Exploring dynamics of national education policy 2020 with reference to NAAC perspectives from 12-18 th May 2023 conducted by Parul university Gujarat



Copy of certificate Ms.D.G.Caroline

2. PUBLICATIONS(ONLY PUBLISHED) DETAILS

Dr. Chamundeeswari Munusamy published a paper on*, 'Photocatalytic degradation of reactive dyes using natural photo-smart pigment—A novel approach for waste water reusability', Environmental Science and Pollution Research (2023).

Impact Factor: 5.190

Dr.C.Karthik received a certificate of excellence in reviewing from the International journal of biochemistry research and review

Ms. Yuwvaranni, Published paper titled "Banana Blossom based green synthesis and characterization of Copper oxide nanoparticle" in Journal of Applied Physics A Material science and Processing, May 2023, 129:448, Pg 1-7, IF 2.98.

Environmental Science and Pollution Research https://doi.org/10.1007/s11356-023-27360-z

RESEARCH ARTICLE



Photocatalytic degradation of reactive dyes using natural photo-smart pigment—A novel approach for waste water re-usability

Sharmila Jeyaraja¹ - Saravanan Palanivel¹ - Suresh Sathyanathan² - Chamundeeswari Munusamy² ()

Received: 23 August 2022 / Accepted: 26 April 2023 © The Authoritis, under exclusive Bonnos to Springer-Verlag GmbH Germany, part of Springer Nature 2023

Abstrac

The present study is aimed at an efficient photocatalytic degradation of industrially important reactive dyes using phycocyanines tract as a photocatalyst. The percentage of dye degradation was evidenced by a UV—visible spectrophotometer and FTHR analysis. The degraded water was checked for its complete degradation by varying pH from 3 to 12. Furthermore, the degraded water was also analyzed for water quality parameters and was found to meet industrial wastewater standards. The calcutated irrigation parameters like magnesium bazard ratio, soluble sociaum percentage, and Kelly's ratio of degraded water were within the permissible limits, whichenables its reusability in irrigation, aquaculture, as industrial coolants, and domestic applications. The calcutated correlation matrix shows that the metal influences various macro-, micro-, and nonessential elements. These results suggest that the non-essential element lead can be effectively reduced by increasing all the other micrountrients and macronitrients under study except sociaum netal.

Koywords Spiralina platensis - Reactive dyes - Phycocyanin extract - Photocatalyst - Photodegradation

Abbreviations

C Control

D Dark

R Reactive dyes

RR Reactive red

RM Reactive mixture

smf Standard measuring flask

P Phycocy anin extract

Sp Spiralina platensis

Responsible Editor: Sami Ritmi

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- Department of Chemistry, St. Joseph's College of Engineering, Sholinganallur, Chemnal 600 119, Tamil Nadu, India
- Department of Physics, St. Joseph's College of Engineering, Sholinganallur, Chennal 600 119, Tamil Nada, India
- Department of Biotechnology, St. Joseph's College of Engineering, Sholingaradur, Chennal 600 119, Tamil Nada, India

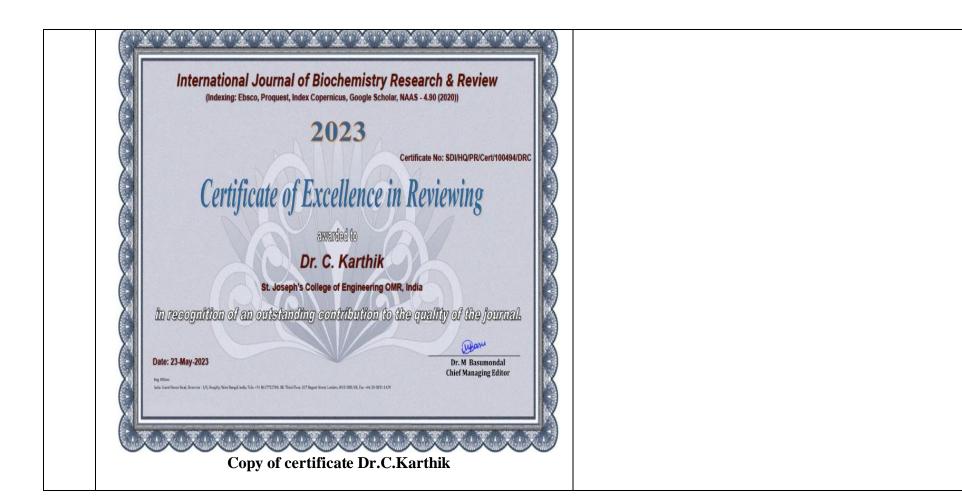
Introduction

Textile industries, one among the oldest manufacturing industries that spread all over the world, are a boon for the global economic development of many countries such as the USA, China, UK, and India, which have marked tremendous changes and growth only after the discovery of reactive dyes (R) (Moyo et al. 2022; Olukanni et al. 2010). Textile industries use many of the dyes such as azo, reactive, and anthraquinone dyes, among which reactive dyes are the commonly used dyes in dyeing and printing process. Reactive dyes (R) are a group of anionic dyes with reactive groups capable of reacting efficiently and chemically with fabrics through strong covalent linkages. Moreover, reactive dyes are found to have an excellent and enhanced properties such as water solubility, imparting brightness and different colors to fabrics at moderate cost, case of application, and good wash tendency (Khatri et al. 2015, Tang and Kan 2020). Many varieties of R such as reactive red, reactive blue, reactive yellow, and reactive orange are being commonly used in industries to give vibrant shades to fabrics. It was estimated that more than one takh of different varieties of dyes are continuously used in industries based on their reactive chromophore and auxochrome functional groups. These dyes after its phase of significant role in many of the industries are continuously discharged after being untreated

Published online: 04 May 2023



Copy of published paper by Dr.M.Chamundeeswari



Applied Physics A (2023) 129:448 https://doi.org/10.1007/s00339-023-06735-6	Applied Physics A Materials Science & Processin
	Check for updates
Banana blossom-based green synthes oxide nanoparticle	s and characterization of copper
A. H. Anchani ¹ · S. Yuwvaranni ¹ · A. H. Abishini ¹	
Received: 21 January 2023 / Accepted: 21 May 2023 © The Author(s), under exclusive licence to Springer-Verlag GmbH, DE part	of Springer Nature 2023
Abstract	
Copper oxide nanoparticles manifest a greater attention due	
of copper oxide nanoparticles is highly toxic and risky and the synthesis of nanoparticles are expensive and hazardous	
synthesis of copper oxide with plant products has been used a	
paradisiaca was used to reduce the copper oxide from the pre	
the biosynthesized copper oxide nanoparticles was done by	
of copper oxide. The UV-visible peak was ~250 nm for the s	• •
infrared spectroscopy was performed to find the functional gr	1 1 1 1 17
carried out to confirm the crystalline nature. The morpholog	
using transmission electron microscopy along with energy-d	

 $\textbf{Keywords} \ \ Green \ reduction \cdot Copper \ oxide \ nanoparticle \cdot \textit{Musa paradisiaca} \cdot Optical \ measurement \cdot Nanoscale \ imaging$

Copy of paper published by Ms. Yuwvaranni

Ms.K.R.Preethy presented a paper on "Value added conversion of biowaste of Setaria Italica to green nanocomposite for wound healing application" conducted by ISARC

3. STAFF CONFERENCE PRESENTATION



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Sl. No.	Event with Photo	Description
1	A Two Day Interanational Conference on Advances in Computing, Communication and Applied Informatics (ACCAI 2023)	Date : 25.5.23 and 26.5.23 Venue : Library AV Hall
	St. JOSEPH'S COLLEGE OF ENGINEERING (An Autonomous Institution) St. Joseph's Group of Institutions	 Nature of Event: International Conference Participants: Various deligates across the globe. Organized by: IEEE Madras Section Objective: To facilitate the exchange of knowledge, foster collaboration among researchers, and promote the dissemination of research findings and innovative ideas Outcome: Knowledge advancement: Participants gain new knowledge, insights, and perspectives through presentations, discussions, and workshops, contributing to the advancement of knowledge in their respective fields. Networking and collaboration: Attendees establish professional connections, foster collaborations, and build partnerships that can lead to joint research projects, academic collaborations, and future endeavors. Skill development and professional growth: International conferences include workshops, tutorials, and training sessions conducted by experts from various fields. Participants acquired new skills, learned about emerging methodologies and technologies, and gain insights into best practices, thereby supporting their professional development and growth.

DEPARTMENT OF MECHANICAL ENGINEERING

Sl No	Name of the Activity	Remarks
1	Paper Published: Paper Published:	 M.Ganesh published a paper on "Development and potential use of MWCNT suspended in vegetable oil as a cutting fluid in machining of Monel 400" in Journal of Molecular Liquids, Vol. 382, IF;6.633 N.E.Arun Kumar, M.Ganesh & R.Elakkiyadasn published a paper on "Effect of Cryotreatment of wires on machining performance of WEDM" in Materials and manufacturing Processes, https://www.tandfonline.com/doi/full/10.1080/10426914.2023.2217897 IF:4.463 N.Arunkumar, M,Ganesh,N.E.Arun kumar & R.Sathish published a paper on "Investigation of surface grinding on Inconel under distinct cooling conditions" in Materials and manufacturing Processes, https://doi.org/10.1080/10426914.2023.2217896 IF:4.463
2	Seminar Organized:	 DST And SERB Sponsored two Days workshop on "Progress in Research on Armored Fire Retardant Hybrid Composite" was organized on 22nd May to 23rd May 2023. Financial grant of Rupees 80,000 was granted for conducting the event. The seminar showed overwhelming response from the faculties of various engineering colleges.





> Dr.R.George Sahaya Nixon completed 12 week course on "Fundamentals of Automotive Systems" during the period of Jan- April 2023 and completed successfully.

DEPARTMENT OF MBA

FACULTY PUBLICATION:	Dr.K. Jawaharrani, Dr.RS. Lekshmi published paper on "Hardcore culture and Ergophobia of employees in chemical industry" in European Chemical Bulletin, 2023, 12 (S2), 2497-2508.
WORKSHOP/FDP/STTP/CONFERENCE / SEMINAR ATTENDED BY FACULTY: PRESIDENCY UNIVERSITY SCHOOL OF COMMERCE In collaboration with Association of Mutual Funds in India (AMFI) CERTIFICATE OF PARTICIPATION This is to certify that Mr/Ms/Dr. DRLRAJESHKUMAR SLJOSEPH'S COLLEGE OF ENGINEERING bas successfully participated in one day national level webinar on "FINANCIAL EMPOWERMENT AND CAREER OPPORTUNITIES IN FINANCIAL AND SECURITIES MARKET? Organized by School of Commerce, Presidency University, Bangalore, Karnatalca, India in collaboration with Association of Mutual Funds in India (AMFI) held on O9th May 2023.	Dr.L. Rajeshkumar has participated in national level FDP on Financial Empowerment and career opportunities in Financial and Securities Market" organised by Presidency University, Bangalore. Dr.RS.Lekshmi served as an External Academic Auditor for MBA Department, Tagore Engineering College, Chennai.
Dr. K. Balaji Shri Suryakant Sharma Dr. Salbyamarayana Gardasu Shri Salbyamarayana Shri Salbyamarayana Shri Salbyamarayana Shri Salbyamarayana Gardasu Shri Salbyamarayana Shri Salbya	

INDUSTRIAL VISITS – I:



INDUSTRIAL VISITS – II:



On May 17th May2023, the students of MBA 1st year went on an industrial visit to Enerlife groups (Nabati manufacturing industry) located at Chennai which manufactures premium quality wafers. The visit consisted of 50students along with two faculty members namely Mr. Aravinth and Ms. Bharathi. The students and the staff left the college premises around 9:30AM and reached the destination around 11:30AM.

Finally, the students and staff reached the college premises around 4:30 pm in the evening. The students felt the session enlightening and interesting as it is closely related to the course in the production. The students thanked the department for the knowledgeable session.

On 18th May 2023, the students of MBA first year went on an industrial visit to 'Enerlife Group' which produces the famous wafer chocolates called Nabati in Sholavaram Chennai. The visit consists of 52 students along with the faculty members Dr. L. Rajesh Kumar and Dr. N. Madhumitha. The students and the staffs left the college premises around 8.30 am and reached the destination the Enerlife Group by 11.00 am.

The students felt the session enlightening and interesting as it is closely related to the course in the production. The students thanked the department for the knowledgeable session.

DEPARTMENT OF MATHEMATICS AND ENGLISH

Events					Remarks			
Modera Hola		S.No	Name of the St		Title of the Program International Virtual Workshop	Organized By SRM Institute or	Date of 1 da	
4356		2.	Dr.P. Agilan		"Mathematical Modeling of Oncolytic Virotherapy	Science and Technology		
					-			
Symposium								
1 1 1 1		S.No	Student Na	me	Course Name		Orgar	nized by
Awards/Prize won by		1	Dr. Arul Am	irtha Raja	Probability and Statistics			IDTEL UT
staff		2	Dr. G. Meer	nadevi	Applied Linear Algebra in AI and	ML		IPTEL, IIT Madaras
		3	Mr.Chellam	ani	Graph Theory		1	viauai as
	S.No	Studer	nt Name	Branch & Section	Course Name	Organiz	ed by	Status
	1	DHEAN	NESHWAR P	I CSE A	Programming, Data Structures a Algorithms using Python	and		Elite Silver
Awards/Prize won by	2	SHARN	ЛISTHA S	I CSE C	Introduction to Internet of Thing	gs		Elite
tudents	3	M .Aru	ın	I MECH A	Data analytics with Python			Pass
students	4	AKASH	l SS	I MECH A	Fundamentals of Automati System	ve NPTE	,	Pass
	5	Raksha	anaa R	I AML B	Data Science for Engineers			Elite
	6	Yogesh	n G	I AML B	Data Science for Engineers			Elite
	7	Murug	asamy P	I CSE B	Programming, Data Structure An Algorithm Using Python	nd		Pass
Industial Projects done by students		•		•	-	•		

https://doi.org/10.1016/j.amc.2023.128037, SCIE 2. Dr.Shahnawaz Ayoub, Dr.RajeshKumar Rameshbhai Savaliya, Purushothaman G, Dr. Nitin Girdharwal, Dr. Verma, Mohit Tiwari, Intelligent Optimization Algorithm Based Data Storage and Management: An Empirica IEEE XPLORE, April 2023, Pp. 1430-1435, https://doi.org/10.1109/ICEARS56392.2023.10085038 SCOPUS 3. Niladri Maiti, G Meena Devi, A. S. Loganathan, Nabamita Deb, Vikas Tripathi, Fred Torres-Cruz, Brain Tumor I Using Unsupervised Local Center of Mass Segmentation: as an CNN based Approach, AIP Conference Prod. April 2023, Vol 2603, No. 020003 (2023), Pp.1-7, https://doi.org/10.1063/5.0126118, SCOPUS 4. Praveen Kumar Misra, G Meena Devi, S. A. Yuvaraj, Mohd Zeeshan, S. Fathhoor Rabbani, Shvets Yuriy Y Influence of Artificial Intelligence for Diagnostic Decision making using Radiological Imaging, April 2023, Vol 2603020013, Pp.1-4, https://doi.org/10.1063/5.0126107 SCOPUS 5. Richard, Amala S., Praveena, N. Jose Parvin, Rajkumar A. Special single valued octagonal Neutrosophic number applications using MATLAB programming, Journal of Intelligent & Fuzzy Systems, April https://doi.org/10.3233/JIFS-221567, SCIE 6. P. Chellamani, D. Ajay, Mohammed M. Al-Shamiri, Rashad Ismail, Pythagorean Neutrosophic Planar Graphs Application in Decision-Making Computers, Materials and Continua, No.April 2023,75(3), pp. 49 https://doi.org/10.32604/cmc.2023.036321, SCIE 7. T. Vasudeva Reddy, H. Geetha, Fred Torres-Cruz, Chandra Kumar Dixit, Jyoti Saxena, Pandurang Y Pati Nanoclusters based Glucose Biosensors for Efficient Diagnosis of Diabetes Mellitus through Machine	Other activities	
https://doi.org/10.1016/j.amc.2023.128037, SCIE 2. Dr.Shahnawaz Ayoub, Dr.RajeshKumar Rameshbhai Savaliya, Purushothaman G, Dr. Nitin Girdharwal, Dr. Verma, Mohit Tiwari, Intelligent Optimization Algorithm Based Data Storage and Management: An Empirica IEEE XPLORE, April 2023, Pp. 1430-1435, https://doi.org/10.1109/ICEARS56392.2023.10085038 SCOPUS 3. Niladri Maiti, G Meena Devi, A. S. Loganathan, Nabamita Deb, Vikas Tripathi, Fred Torres-Cruz, Brain Tumor I Using Unsupervised Local Center of Mass Segmentation: as an CNN based Approach, AIP Conference Prod. April 2023, Vol 2603, No. 020003 (2023), Pp.1-7, https://doi.org/10.1063/5.0126118, SCOPUS 4. Praveen Kumar Misra, G Meena Devi, S. A. Yuvaraj, Mohd Zeeshan, S. Fathhoor Rabbani, Shvets Yuriy Y Influence of Artificial Intelligence for Diagnostic Decision making using Radiological Imaging, April 2023, Vol 2603020013, Pp.1-4, https://doi.org/10.1063/5.0126107 SCOPUS 5. Richard, Amala S., Praveena, N. Jose Parvin, Rajkumar A. Special single valued octagonal Neutrosophic number applications using MATLAB programming, Journal of Intelligent & Fuzzy Systems, April https://doi.org/10.3233/JIFS-221567, SCIE 6. P. Chellamani, D. Ajay, Mohammed M. Al-Shamiri, Rashad Ismail, Pythagorean Neutrosophic Planar Graphs Application in Decision-Making Computers, Materials and Continua, No.April 2023,75(3), pp. 49 https://doi.org/10.32604/cmc.2023.036321, SCIE 7. T. Vasudeva Reddy, H. Geetha, Fred Torres-Cruz, Chandra Kumar Dixit, Jyoti Saxena, Pandurang Y Pati Nanoclusters based Glucose Biosensors for Efficient Diagnosis of Diabetes Mellitus through Machine	Funded Projects	-
 https://doi.org/10.1016/j.amc.2023.128037, SCIE Dr.Shahnawaz Ayoub, Dr.RajeshKumar Rameshbhai Savaliya, Purushothaman G, Dr. Nitin Girdharwal, Dr. 	published) details	 IEEE XPLORE, April 2023, Pp: 1430-1435, https://doi.org/10.1109/ICEARS56392.2023.10085038 SCOPUS Niladri Maiti, G Meena Devi, A. S. Loganathan, Nabamita Deb, Vikas Tripathi, Fred Torres-Cruz, Brain Tumor Detection Using Unsupervised Local Center of Mass Segmentation: as an CNN based Approach, AIP Conference Proceedings, April 2023, Vol 2603, No. 020003 (2023), Pp:1-7, https://doi.org/10.1063/5.0126118, SCOPUS Praveen Kumar Misra, G Meena Devi, S. A. Yuvaraj, Mohd Zeeshan, S. Fathhoor Rabbani, Shvets Yuriy Yurievich, Influence of Artificial Intelligence for Diagnostic Decision making using Radiological Imaging, April 2023, Vol 2603, 2603020013, Pp:1-4, https://doi.org/10.1063/5.0126107 SCOPUS Richard, Amala S., Praveena, N. Jose Parvin, Rajkumar A. Special single valued octagonal Neutrosophic number and its applications using MATLAB programming, Journal of Intelligent & Fuzzy Systems, April 2023, https://doi.org/10.3233/JIFS-221567, SCIE P. Chellamani, D. Ajay, Mohammed M. Al-Shamiri, Rashad Ismail, Pythagorean Neutrosophic Planar Graphs with an Application in Decision-Making Computers, Materials and Continua, No.April 2023,75(3), pp: 4935-4953,

DEPARTMENT OF SCIENCE

Sl. No.	Events	Remarks
4	FDP/Workshop/Conference	NPTEL / SWAYAM CEC certifications / FDP
-	1 D17 WOTKSHOP, Comerciae	1. Dr. S. Kiruba, Dr. N. Punitha, Dr. A. Arulmozhi, Dr. K. Sathesh Kumar, Dr. S. Rama, Dr. G. Murugan,
		Dr. V. Swarnalatha, Dr. P. Saravanan, Dr. A. Uma Devi, Dr. G. Sasikumar, Dr. T. L. Ajeesha, Dr. C.
		Abinaya completed 12 weeks NPTEL certificate course on "Air pollution and control".
		2. Dr. S. Suresh completed 12 weeks NPTEL certificate course on "Atomic and molecular physics".
		3. Ms. S. Kaleel Mohamed Ibrahim completed 12 weeks SWAYAM-CEC certificate course on "Plant
		pathology and soil health".
		Attended
		1. Dr. V. Swarnalatha, Ms. J. Sharmila, Ms. S. Savitha, Dr. T.L. Ajeesha, Dr. P. Krishnan attended 5 Days
		Nationall Faculty Development Program on "Computational Modelling Of Materials" conducted by
		"Madanapalle Institute Of Technology& Science, Madanapalli, AP" held between 08.05.23 and 12.05.23.
		2. Mr. S. Kaleel Mohamed Ibrahim, Dr. P. Krishnan, Dr. K. Satheshkumar, Dr. P. Saravanan, Dr. A. Uma
		Devi, Dr. N.R. Rajagopalan, Dr. G. Sasikumar, Dr. K. Jayamoorthy, Dr. T.L. Ajeesha attended National
		Online workshop on "Hands-on impedance analysis and implementation of differential equation"
		conducted by "Vellore Institute of Technology, Chennai" held on 25.04.2023. (Certificates received in the month of May)
		3. Dr.S.Kiruba, Dr. N. Punitha, Dr. S. Suresh, Dr. S. Rama, Dr. V. Swarnalatha, Ms. S. Savitha, attended
		National Online workshop on "Analytical software- EIS spectrum analyser and Mathematics" conducted
		by "Vellore Institute of Technology, Chennai" held on 25.04.2023. (Certificates received in the month of
		May)
9	Awards/Prize won by students / Staff	Reviewers:
	Star	Dr. K. Jayamoorthy has acted as reviewer for the following reputed journals.
		1. Current Organic chemistry— May 2023
10		2. Journal of Saudi Chemical Society (3 articles) – May 2023
10	Industrial Projects done by students	-
11	Publications(only published)	1. Dr. V. Swarnalatha, Dr. P. Saravanan published a paper titled "Inclusion Complex of Histidine-Cyclic
	details	Voltametry" in European Chemical Bulletin, 12(5), 793-799, 2023.
		2. Dr. K. Jayamoorthy published a paper titled "Sustainable development of anode materials for non-
		aqueous potassium ion batteries" in the "Journal of Energy Storage" 68, 2023, 107691.

	DEPA	ARTMENT OF INFORMATION TECHNOLOGY
	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution
2	V. Muthulakshmi and P. Suthanthira Devi Published a paper in Scopus Indexed Conference Ms. Kripa SekaranPublished a paper in Scopus Indexed Conference	Staff Paper Publication V. Muthulakshmi, K. Vijayakumar, P. Suthanthira Devi, Rajin Gangadharan, D. Suresh, "Fake News Classification using Transfer Learning", 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering, doi: 10.1109/ICECONF57129.2023.10083678, Publisher: IEEE, E ISBN: 979-8-3503-3436-4, Print ISBN:979-8-3503-3435-7, pp. 1-7, 2023. (Indexed in Scopus) Abstract: The rising complexity of information communication technology has greatly affected communication through conventional broadcast media over the past decade. Smartphone applications are increasingly emasculating the new socio-economic broadcasting environment. The trend is the same in the workplace, at home and in recreation. Social networking has stolen the game and is increasingly shifting to another age, the era of "digital relationships," in which conventional interpersonal social interactions are replaced by mobile devices and social networks. The consequences of such false information promoted by miscreants and apologists for social media are far-reaching because it has resulted in scandals in households, communities, partnerships, organizations, and culture as a whole. The purpose of this paper is to lead to the eradication of counterfeit media by the use of technology. In this article, we proposed and built a model that incorporates neural networks to identify and eradicate false phrases posted to social media networks and web forums. Also, we compared our work Elmo VNetwith current state-of the-art models. The experimental results demonstrated that the proposed Elmo VNetwith current state-of the-art models. The experimental results demonstrated that the proposed Elmo VNetwith current state-of the-art models. The experimental results demonstrated that the proposed Elmo VNetwoith current state-of the-art models. The experimental results demonstrated that the proposed Elmo VNetwoith current state-of the-art models. The experimental results demonstrated that the proposed Elmo VNetwoith

Sl. No.	Photographs Captured During Event	Corresponding remarks in regarding the status of activity execution
3		Staff Paper Publication R. Praveena, T.R.Ganesh Babu, G. Sudha, M. Birunda, J. Gnanasoundharam, K. GokulKannan, "Distracted Driver Detection Using Deep Learning Classifier of Image Net Models", 2022 International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), Publisher: IEEE, doi: 10.1109/ICAISS55157.2022.10010859, E ISBN:978-1-6654-8962-1, Print ISBN:978-1-6654-8963-8, pp. 1-5, 2022. (Indexed in Scopus)
	J. Gnanasoundharam Published a paper in Scopus Indexed Conference	Abstract: There is a growing possibility of drivers engaging in disruptive behaviors with increasingly regular in-vehicle technologies and transported devices. As a consequence, diversion and carelessness are adding to the likelihood of a collision and have a growing effect on driving health. To alleviate these concerns, this study discusses the usage of a dashboard camera to accurately identify distracted drivers utilizing a machine learning methodology. Then we use Image net models like VGG16, RESNET50, Xception and Mobile net to predict the rate of performance analysis of driver detection. Also this study implemented an alert system procedure of distracted driver prediction using machine learning techniques.
4		Patent Published Title of the invention: A Multifunctional Foldable Solar Photovoltaic Assembly with IoT Connectivity and Method thereof Name of Inventor: 1. Dr.Rajesh Panda 2. Mrs.Sushree Samikshya Pattanaik 3. Mr.Neeraj Kumar 4. Mr.T.Dinesh 5. Mr.MD.Yaseen 6. Dr.Vijendra Pratap Singh 7. Mrs.Anitha S
	Ms. S. Anitha Published a patent (India patent)	8 . Ms.Haritha Rajeev 9 . Mr.Ambuj Kumar Misra 10 . Mr.Gaurav D Saxena Patent Application Number: 202341006652 Date of filing of Application: 01/02/2023 Publication Date: 24/02/2023

Sl.	Photographs Captured During	Corresponding remarks in regarding the status of activity execution
No.	Event	
5	Dr. Lilly Raamesh Published a patent (South African patent)	Title of the invention: Artificial Intelligence-Based Healthcare System for Continuous Health Monitoring and Predicting Diseases in its Early Phase Name of Inventor: 1. Dr. Yallanti Sowjanya Kumari, 2. Dr. Jeyalakshmi Kaniyappan Sathiyavan, 3. Dr. Subashini Balakrishnan, 4. Dr. Jency Rubia Jebaraj, 5. Dr. Rajesh Thipparaju, 6. Dr. Sumagna Patnaik Nancy Beaulah Rathinam, 7. Dr. Lilly Raamesh, 8. Sakthivel, 9. Tarun Jaiswal Patent Number: 2022/12742 Date of filing of Application: 23/11/2022 Publication Date: 20/04/23 Date of Grant: 22/2/2023
6	Ms. P.M. Sinthuja published a patent (India patent)	Patent Published Title of the invention: A System and Method for Intelligent Analysis of Medical Data using Machine Learning Classifiers and Clusters with Cloud Computing Name of Inventor: 1. Dr. Vijendra Pratap Singh 2. Mr. Noor Basha 3. Dr. Yashveer Singh 4. Mr. Sagar Choudhary 5. Mrs. Sanjana 6. Mrs. Sinthuja P M 7. Mrs. Roopalakshmi S 8. Mrs. K. Shilpa Reddy 9. Dr. Farhad F Mehta 10. Dr. Vishwas Mishra Patent Application Number: 202311011885 Date of filing of Application: 21/02/2023 Publication Date: 17/03/2023

	Photogra Event	phs Captured During	Corresponding remarks in regarding the status of activity execution
7			Patent Published
,		Sherly Puspha Annabel ed a patent (India patent)	Title of the invention: Predicting the Progression of Acute Respiratory Syndrome Impairment Using Machine Learning Analytics Name of Inventor: 1. Dr. Smitha Kurian 2. Dr. Saurabh Suman 3. Mrs. M. Mahabooba 4. Dr. L. Sherly Puspha Annabel 5. Dr. G. Sundar 6. Dr. Sheshang Degadwala 7. Dr. P. Patchaiammal 8. Dr. Gaurav Gupta Patent Application Number: 202341026769 Date of filing of Application: 11/04/2023
8	Office of the Controller Gen Department of Industrial Pc Ministry of Commerce & Industrial Government of Indus	overal of Pateriss. Designs & Trade Marks Will a fromotion. POOPER'T MEDIA POOPER'T MEDIA POOPER'T MEDIA	Publication Date: 05/05/2023 Patent Published Title for the state of
	Government of India	Application Details	Title of the invention : An Artificial Intelligence and IoT Based Fabric Defect Detection System and Method
	THE CONTROL TO THE CONTROL THE CONTROL TO THE CONTROL THE CONTROL TO THE CONTROL THE CONTROL TO THE CONTROL THE CONTROL TO THE CONTROL	202341022907 ORDINARY APPLICATION	Thereof Name of Inventor:
	DATE OF FILING APPLICANT NAME	29/03/2023 1 . Dr.J.SNa Ram Prasad	
		2 . Dr.Ch. Baby Ranl 3 . Dr.E.S. Rama Ravi Kumar 4 . Dr.Valli Madhavi Koti	1 . Dr.J.Siva Ram Prasad
		5 . Dr.J.V.Anil Kumar 6 . Mrs.C.Radhika 7 . Dr.G.Manikadan 8 . Mr.Srikanth B	2 . Dr.Ch.Baby Rani
		9 . Mrs. Sanju Xaviar 10 . Mrs. Anusha Deshpande	3 . Dr.E.S.Rama Ravi Kumar
		AN ARTIFICIAL INTELLIGENCE AND IOT BASED FABRIC DEFECT DETECTION SYSTEM AND METHOD THEREOF	4 . Dr. Valli Madhavi Koti
	E-MAIL (As Per Record)	anandbabu.gopathoti@gmail.com	5 . Dr.J.V.Anil Kumar
	ADDITIONAL-EMAIL (As Per Record) E-MAIL (UPDATED Online)	anandbabuu.gopathoti@gmail.com	6 . Mrs.C.Radhika
	PRIORITY DATE REQUEST FOR EXAMINATION DATE	-	7. Dr.G.Manikandan
	PUBLICATION DATE (U/S 11A)	05/05/2023	
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			9 . Mrs.Sanju Xaviar
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