

QUARTERLY

NEWSLETTER-IV

October 2022 - December 2022



KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)

Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade

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1. GENERAL

PARTICIPATION IN RANKING AND ACCREDITATIONS

- Times Higher Education (THE) World Ranking 2023, KARE has been ranked 601-800 band.

The screenshot shows the 'World University Rankings 2023' page on the Times Higher Education website. The page features a dark blue header with navigation links: Home, News, Rankings, Jobs, Study abroad, Events, Resources, and Solutions. Below the header, there's a sub-navigation bar with links: Rankings <, World University Rankings, Impact Rankings, By subject, Reputation Rankings, Arab Rankings, and China Subject Ratings. The main content area has a large title 'World University Rankings 2023' and a paragraph explaining the rankings. To the right, there's a partnership logo for ELSEVIER and a dropdown menu set to '2023'. Below this, a pink button says 'How to get your uni ranked'. At the bottom, a table lists universities, with 'Kalasalingam Academy of Research and Education' highlighted in the 601-800 band. The table also shows scores for 7,365, 8.8, 3%, and 55:45.

Ranking Band	University Name	Score 1	Score 2	Score 3	Score 4
601-800	Kalasalingam Academy of Research and Education	7,365	8.8	3%	55:45

- Times Higher Education (THE) - Subject Rating – 2023 KARE has been Ranked as follows:
 - ✓ Ranked 301-400 in Computer Science
 - ✓ Ranked 401-500 in Physical Sciences
 - ✓ Ranked 401-500 in Engineering

The screenshot shows the 'World University Rankings 2023 by subject: computer science' page on the Times Higher Education website. The page features a dark blue header with navigation links: Home, News, Rankings, Jobs, Study abroad, Events, Resources, and Solutions. Below the header, there's a sub-navigation bar with links: Rankings <, By subject, Reputation Rankings, Arab Rankings, China Subject Ratings, Japan University Rankings, and US College Rankings. The main content area has a large title 'World University Rankings 2023 by subject: computer science' and a paragraph explaining the subject-specific rankings. To the right, there's a dropdown menu set to '2023' and a pink button saying 'How to get your uni ranked'. At the bottom, a table lists universities, with 'Kalasalingam Academy of Research and Education' highlighted in the 301-400 band. The table also shows scores for 7,365, 8.8, 3%, and 55:45.

Ranking Band	University Name	Score 1	Score 2	Score 3	Score 4
301-400	Kalasalingam Academy of Research and Education	7,365	8.8	3%	55:45



World University Rankings 2023 by subject: physical sciences

The physical sciences subject ranking uses the same trusted and rigorous performance indicators as the *Times Higher Education* World University Rankings 2023, but the methodology has been recalibrated to suit the individual fields.

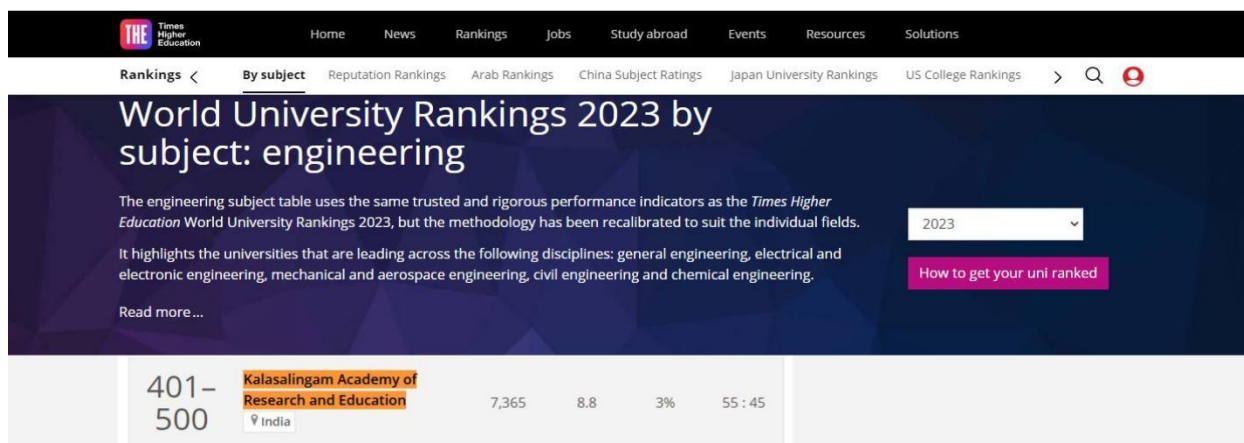
It highlights the universities that are leading across the following disciplines: mathematics and statistics, physics and astronomy, chemistry, geology, environmental sciences, and earth and marine sciences.

Read more...

2023

[How to get your uni ranked](#)

401–500	Kalasalingam Academy of Research and Education India	7,365	8.8	3%	55 : 45
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World University Rankings 2023 by subject: engineering

The engineering subject table uses the same trusted and rigorous performance indicators as the *Times Higher Education* World University Rankings 2023, but the methodology has been recalibrated to suit the individual fields.

It highlights the universities that are leading across the following disciplines: general engineering, electrical and electronic engineering, mechanical and aerospace engineering, civil engineering and chemical engineering.

Read more...

2023

[How to get your uni ranked](#)

401–500	Kalasalingam Academy of Research and Education India	7,365	8.8	3%	55 : 45
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- KARE has been ranked 367th International Rank among 1050 Universities from 80 countries and 15th Rank at National Level in UI Green Metric World University Ranking – 2022.



- KARE's Three Engineering Programmes – B. Tech., (Biotechnology, Electronics and Communication Engineering & Computer Science and Engineering) underwent NBA Accreditation on 14th to 16th October, 2022.
 - B.Tech., Electronics and Communication Engineering & Computer Science and Engineering have been accredited by NBA for 6 years up to 30.06.2028.
 - B.Tech., Biotechnology has been accredited by NBA 3 years up to 30.06.2025.
- Institution's Innovation Council (IIC) established at Kalasalingam Academy of Research and Education, Srivilliputtur had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2021-22 and have been awarded 4-star rating.



MoU

S. No	MoU No	Name of the institution/ industry/ corporate	Country	MoU Date
1.	Mou-99	Indian Biomedical Skill Council (IBSC)	India	15.10.2022
2.	Mou-100	Group Cyber ID Technology pvt ltd	India	20.10.2022
3.	Mou-101	ICAR -National Research center for banana	India	21.10.2022
4.	Mou-95	Pirogov Russian National Research Medical University of the Ministry of Health care of The Russian Federation	Russia	10.11.2022
5.	Mou-102	Wipro Enterprises (P) Limited	India	05.12.2022
6.	Mou-103	Tamkang University, Taiwan	Taiwan	13.12.2022

2. ACADEMICS

FACULTY DEVELOPMENT PROGRAMS ORGANIZED

No.	Title	Department	Date(s)	No. of Participants
1.	Big Data Analytics	Computer Science and Engineering	05.12.2022 to 07.12.2022	8
2.	Data Warehousing & Multidimensional Model	Computer Science and Engineering	05.12.2022 to 07.12.2022	10
3.	Machine Learning	Computer Science and Engineering	05.12.2022 to 07.12.2022	20
4.	Network Security	Computer Science and Engineering	08.12.2022 to 10.12.2022	8
5.	Pattern and Anomaly Detection	Computer Science and Engineering	08.12.2022 to 10.12.2022	12
6.	Social, Web and Mobile Analytics	Computer Science and Engineering	08.12.2022 to 10.12.2022	10
7.	Algorithm for Intelligent Systems and Robotics	Computer Science and Engineering	12.12.2022 to 14.12.2022	12
8.	Deep Learning Techniques	Computer Science and Engineering	12.12.2022 to 14.12.2022	23
9.	Smarter City	Computer Science and Engineering	12.12.2022 to 14.12.2022	8
10.	Ethical Hacking and Penetration Testing"	Computer Science and Engineering	12.12.2022 to 14.12.2022	10
11.	Analytics for IoT	Computer Science and Engineering	12.12.2022 to 14.12.2022	8
12.	FDP on Case Writing and Analysis	Business Administration	21.12.2022 to 22.12.2022	25
13.	FDP on Financial Planning	Business Administration	26.12.2022	25

PARTICIPATIONS OF FACULTY MEMBERS IN CONFERENCES, SEMINARS, WORKSHOPS

No	Department	Participants
1.	Architecture	7
2.	Biotechnology	2
3.	Biomedical Engineering	1
4.	Business Administration	4
5.	Civil Engineering	6
6.	Commerce	28
7.	Computer Science and Engineering	9
8.	Computer Application	1
9.	CS&IT	2
10.	Electronics and Communication Engineering	4
11.	Electrical and Electronics Engineering	8
12.	English	1
13.	Food Technology	2
14.	Mathematics	4
15.	Mechanical Engineering	2
16.	Visual Communication	4
17.	Social Work	1

PARTICIPATION IN INTERNATIONAL CONFERENCE

Dr. V. Pandiyarajan, Director – Accreditation and Ranking, participated and presented a paper entitled “Not Zero, Net Zero – An Initiative for Carbon Neutrality in KARE Campus” in the International Workshop organized by UI Green Metric World University Ranking (IWGM – 2022) from 27 to 29 September, 2022.



3. STUDENT SUPPORT AND PROGRESSION

ONLINE COURSES CLEARED, INTERNATIONAL CERTIFICATIONS OBTAINED BY STUDENTS

S. no	Name of the Schools	No. of online courses Cleared (NPTEL, Course Era etc.)
1.	School of Automotive and Mechanical Engineering	33
2.	School of Bio and Chemical Engineering	42
3.	School of Computing	861
4.	School of Electronics and Electrical Technology	387

ALUMNI ENGAGEMENT

S. No	Department	Event Name	Date	No. of Participants
1.	Electronics and Communication Engineering	Interview Hacks	15.10.2022	75
2.	Business Administration	KBS Orient-2022	15.10.2022	208
3.	Architecture	Crack	20.10.2022	60
4.				
5.	Social Work	Training on "Social Welfare Programmes"	03.11.2022	23
6.	Aeronautical Engineering	How to pitch your ideas	19.11.2022	30
7.	Electronics and Communication Engineering	Alumni Meet	10.12.2022	34
8.	CS&IT	Guest Lecture on "UI Design"	31.12.2022	120

PARTICIPATIONS OF STUDENTS IN WORKSHOP / SYMPOSIUM/ SEMINAR/ CONFERENCE

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
1.	Meenalosani (9920001061)	Biotechnology	Basic Animal Cell Culture Techniques	03.10.2022 to 07.10.2022	Workshop
2.	SR. Sweta Varshikaa (9920001047)	Biotechnology	Cell Culture Techniques	03.10.2022 to 07.10.2022	Workshop
3.	A. Kaleeswari (9918001020)	Biotechnology	Basic Animal Cell Culture Techniques	03.10.2022 to 07.10.2022	Workshop
4.	Ms. D. Asha Joy (992112002)		Foundation course on "Solar Energy Materials: Fundamentals to device fabrication"	10.10.2022 to 14.10.2022	Skill Development Training

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
5.	Selva Kumaran K (9921034011)	Commerce	Work Life Balance in the New World	13.10.2022	Paper Presentation
	Vishnubalan S (9921034020)				
6.	Shruthi S (9921102006)	Biotechnology	PharmaNEST'3.E International Conference	14.10.2022 to 15.10.2022	Paper Presentation
	Siva Bharathi V (9921102005)				
	Derina J. Pearlin (9921102001)				
	Karunya Sri CM (9921102002)				
	Muthu Anushuya.S (9919001032)				
	Jayasree. M (9919001029)				
	Kilari Sai Joshitha (9919001029)				
	Harrish. M (9919001022)				
	Amrith. R (9919001006)				
	Vishal R.G (9919001057)				
	SR. Sweta Varshikaa (9920001047)				
	Meenalosani (9920001061)				
7.	Parthiban S, (9921146012)	CS&IT	Recent Trends and Advances in Communication Technology and Data Science ICRTACTDS-2K22	14.10.2022	International Conference
	Akshara Premnath, (9921146007)				
	Adhithyan R, (9921146001)				
	Meena Kasthuri A, (9921146005)				
	Raja Yogha S, (9921146010)				
	Muthubalaji, (9921146006)				

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
	Irfan Ahamed Essa A, (9921146003)				
	Gengadevi A, (9921146002)				
8.	All 2 nd , 3 rd , 4 th year and PG students	Aeronautical Engineering	COPTOTHON	18.10.2022 to 19.10.2022	Convention
9.	M Rajesh Kumar Reddy (9919005138)	Electronics and Communication Engineering	DRDO sponsored 2 days' Workshop on Machine Learning Algorithms for Wireless Communication Networks	04.11.2022 to 05.11.2022	Workshop
	Pullagura Narasimha Raju (9919005177)				
	Pitla Madhu (9919005171)				
	Sai Kumar (9919005100)				
10.	Madhan M (9820003003)	Civil Engineering	Engineering Perfection-Noida Twin Tower Demolition	12.11.2022	Webinar by Ultra Tech Cement
	Baiti Kishan (9919003023)				
	Botchu Venkateswara Reddy (9920003017)				
	Bala Veeradurai (9821003002)				
	Gopavaram Vishnuvardhan Kumar Reddy (9920003015)				
	Surendhar K (9821003006)				
	Velraja P (9920003009)				
	Jenis Jebaris (9821003001)				
	Abila J (9920003002)				
	Karthika N (9920003010)				
	Kishore Kumar S (9920003003)				
	Shamil Shanavas (9920003011)				

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
	Puvvada Surya Sai Gowtham (9822003003)				
	Kiruthickraja B (9921003002)				
	Bayapureddy Saru Gari Arun Kumar Reddy (9822003002)				
	Mandeep Singh (9822003006)				
11.	Arunachaswamy P (9922151012)	Computer Applications	Two Day Hackathon on StartupTN Tirunelveli Regional Hub	17.11.2022 to 18.11.2022	Hackathon
12.	All 2 nd , 3 rd , 4 th year and PG students	Aeronautical Engineering	AEROVINA Winter Convention	19.11.2022	Convention
13.	Surya Praveen	Biotechnology	International Conference on Recent Advances in Biotechnology and Environmental Science	16.12.2022 to 18.12.2022	Poster Presentation
14.	Addepalli Hemavardhan Venkata Manikanta (9920005002)	Electronics and Communication Engineering	Intellectual Property Rights	23.12.2022	Workshop
	Bhupani Sree MadhuKiran (9920005075)				
	Chindaluru Ganesh (9920005009)				
	Gummidela Siri Chandana (9821005002)				
	S. Jeyasunthari (9919005088)				
	Sai Kumar (9919005100)				
	K C Anjeneylu (9919005110)				
	Satheesh C (9919005189)				
	Suryakumar B (9919005327)				
15.	Haripriya J	Food Technology	Intellectual Property Rights	23.12.2022	Workshop

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
	(9919011044) Nandhini Devi P R (9919011048)				
	Yokesh S (9919011040)				
	Mohammed Asraf S (9919011047)				
	Nagajothisre S M (9919011016)				
	Narise Bhavana (9919011017)				
	Penmetsa Bharath Sai Varma (9919011020)				
	Penmetsa Lakshmi Koushik Varma (9919011021)				
	Masina Dhanamjay (9919011066)				
	Gopinati Harshavardhan (9919011051)				
	Jonnalagadda Shirisha (9919011012)				
16.	Kalpana (9922150067)	Business Administration	Intellectual Property Rights	23.12.2022	Workshop
	JeyaSundari (9922150059)				
	Mareeswari (9922150080)				
	Periyandavar (9922150107)				
	Mukesh (9922150089)				
	Om Siva (9922150102)				
	Naveen Sarathy (9922150098)				
	Maha Prabhu (9922150078)				

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
	Joshua (9922150062)				
	John (9922150061)				
	Jegan Raj (9922150056)				
	Kalimuthu (9922150066)				
	Mohan Raj (9922150087)				
17.	I-Year (9922027001-9922027032)	Visual Communication	Digital Story Telling	23.12.2022	Workshop
	II-Year (9921027002-9921027011)				
	III-Year (9920027001-9920027020)				

INTERNSHIP

S. No	Department	Internship Type	Date	No. of Students	Company Name
1.	Aeronautical: PG – Defence Technology	Offline	14.10.2022 to 19.11.2022	2	Vayusastra Aerospace, IIT Tech park, Chennai
2.	Aeronautical Engineering	Online	25.11.2022 to 20.12.2022	1	Brahmastra Aerospace, IIT tech Park, Chennai
3.	Biotechnology	IPT	09.12.2022 to 22.12.2022	1	VJ Biotech
4.	Civil Engineering	AICTE Sponsored	18.12.2022 To 30.03.2023	4	NHAI
5.	Civil Engineering	Training cum Internship	18.12.2022 to 30.03.2023	1	Comcast
6.	Civil Engineering	Training cum Internship	18.12.2022 to 15.04.2023	1	L&T Hydro Carbon
7.	Computer Science and Engineering	Project Intern	Dec'22	10	Comcast
8.	Computer Science and Engineering	Project Intern	Dec'22	5	OpenText

S. No	Department	Internship Type	Date	No. of Students	Company Name
9.	Computer Science and Engineering	Project Intern	Dec'22	1	Vxceed Software Solutions Pvt. Ltd.
10.	Computer Science and Engineering	Project Intern	Dec'22	1	Grootan Technologies
11.	Computer Science and Engineering	Project Intern	Dec'22	7	Aptean
12.	Computer Science and Engineering	Project Intern	Dec'22	7	Multicoreware
13.	Computer Science and Engineering	Project Intern	Dec'22	1	Zoho
14.	Computer Science and Engineering	Project Intern	Dec'22	7	Virtusa
15.	Computer Science and Engineering	Project Intern	Dec'22	2	Vu2Vu2
16.	Computer Science and Engineering	Project Intern	Dec'22	4	Cring
17.	Computer Science and Engineering	Project Intern	Dec'22	1	Hitachi
18.	Computer Science and Engineering	Project Intern	Dec'22	2	Tech city software solutions
19.	Computer Science and Engineering	Project Intern	Dec'22	1	Amaveus
20.	Computer Science and Engineering	Project Intern	Dec'22	1	HealthEdge
21.	Information Technology	Intern Cum Placement	Dec'22	1	Open Text
22.	Mechanical Engineering	Industrial Training	11.12.2022 to 24.12.2022	3	M/s. TAFE
23.	Master of Social Work	Block Placement	06.12.2022 to 17.12.2022	2	V.V.V Sons Ediple Oil ltd, Virudhunagar
24.	Master of Social Work	Block Placement	06.12.2022 to 17.12.2022	1	Standard Fire Works, Sivakasi
25.	Master of Social Work	Field Practicum - IV	26.12.2022 to 18.04.2023	1	Thirumalai Art Printers, Sivakasi
26.	Master of Social Work	Field Practicum - IV	26.12.2022 to 18.04.2023	2	Government Hospital, Alanganallur
27.	Master of Social Work	Field Practicum - IV	26.12.2022 to 18.04.2023	3	Primary Health Centre, Kunnur
28.	Master of Social Work	Field Practicum - IV	26.12.2022 to 18.04.2023	3	P.P.K Rathinam Fireworks, Sivakasi

S. No	Department	Internship Type	Date	No. of Students	Company Name
29.	Master of Social Work	Field Practicum - IV	26.12.2022 to 18.04.2023	2	Sri Jaya Jothi Textile Mill, Rajapalayam

STUDENTS ACHIEVEMENTS / AWARDS RECEIVED / GATE / COMPETITIVE EXAMS / OTHERS CLEARED

S. No	Student Name with Register No	Department	Program Name	Event Name
1	Aathreyan M (9919001001)	Biotechnology	Intercollege Culturals	Treasure Hunt-I Prize
2	Surya Narayanan P (9919001053)	Biotechnology	Intercollege Culturals	War of The Words- I Prize
3	Shaikh MD Ismail Dilsadhusan (9921001036)	Biotechnology	International Conference On "Novel Paradigms in Microbiology for Sustainable Future"	Poster Presentation-I Place
4	Karunya Sri CM (9921102002)	Biotechnology	PharmaNEST'3.E International Conference	Best Poster Award
5	Thirumurugaramapandian, Rithviha (9919001040)	Biotechnology	Passed TOEFL EXAM	
6	Sandra Babu (9919001042)	Biotechnology	Passed IELTS EXAM	

Grant for Study Tour Under 'AICTE – Youth Undertaking Visit for Acquiring Knowledge (YUVAK): Study Tour of Atal Tunnel, Himachal Pradesh ATAL Tunnel Visit, Manali. 12 students participated in this programme and Rs. 2,00,000 funded for this study tour.



Commerce students attended **ICSI – ACS Professional Programme Entrance Test (CSEET)** by two sessions during the period and **4 of them got cleared** and registered for their Executive Level. Among those students 2 of them attended the First Module of Executive Level exams in the month December, 2022 and awaiting for the results.

R. Rakesh (9921017031) and C.N. Sakthi Kailash (9921017032) from II BCA got First prize for Quiz Competition, "Bizcomial" (Business Quiz), conducted by MBA on 18.10.2022 at KARE.

Social Immersion Program was organized on 03.12.2022 by Department of Business Administration. The first Year MBA students have visited Poovanai, Pillayarnatham, Mullikulam, Sundarapandiyam and done extensive survey in the villages to understand the problems faced by the villagers and have drafted caselets.

I Year Students of Visual Communication make a Short Film for Eye donation awareness and screened in Loyola College in Chennai on December 3,2022.

SPORTS ACHIEVEMENTS

1. KARE **FOOTBALL** team participated in the 1st **State** Level 5's Football Tournament and won **Third Place and Cash Award Rs. 4,000 /-** organized by Virudhunagar Youth Football Club held at District Sports Stadium on 08 & 09 October, 2022.
2. KARE **FOOTBALL** team participated in the Open **State** Level 5's Football Tournament and won **THIRD PLACE** organized by Virudhunagar District Football Association, Virudhunagar on 08 & 09 October, 2022.
3. KARE **SWIMMING** Men & Women Team participated in the 4th Tamil Nadu **State** level Viriksha Global Swimming Competition -2022 and won **Gold Medal - 5 Nos, Silver - 5 Nos, Bronze - 1 No**, organized by Viriksha Global School, Tiruchengode, Namakkal District on 16 October, 2022.
4. KARE **FOOTBALL** team participated in the Open **State Level 5's** Football Tournament and won **Third Place** organized by Mamsapuram Football Sports Club, Srivilliputtur on 23 October, 2022.
5. KARE **SWIMMER Mr. S. NAVEEN SATHEESH KANI**, I year MSW has participated in the 8th Senior **State Para** Swimming Championship – 2022 – 2023 and won **Gold Medal - 1 No, Silver Medal - 1 No, Bronze Medal -1 No** organized by Tamil Nadu Paralympic Sports Association SDAT, Chennai on 29 & 30 October, 2022.
6. KARE **BOXING** Men & Women team participated in the **II South Zone Boxing** Championship and won **Gold Medal - 6 Nos, Silver - 3 Nos**, organized by Arignar Anna Stadium, Nagercoil from 29 & 30 October, 2022.
7. KARE **SWIMMER Mr. A. NESAKUMARAN** has **Represented to Tamil Nadu team** 2nd National Level Fins Swimming Competition – 2022 and won **BRONZE Medal - 2 Nos** (4 x 100Mts Free Style Relay and 4 x 200Mts Free Style Relay) under “Water Sports Federation of India”, Pune from 09 to 11 December, 2022.
8. KARE **KABADDI** Women team has participated in the **Inter District** Level Kabaddi Tournament for Women and won **Third Place and Cash Award Rs.5.000 /-** at Thoothukudi on 10 & 11 December, 2022

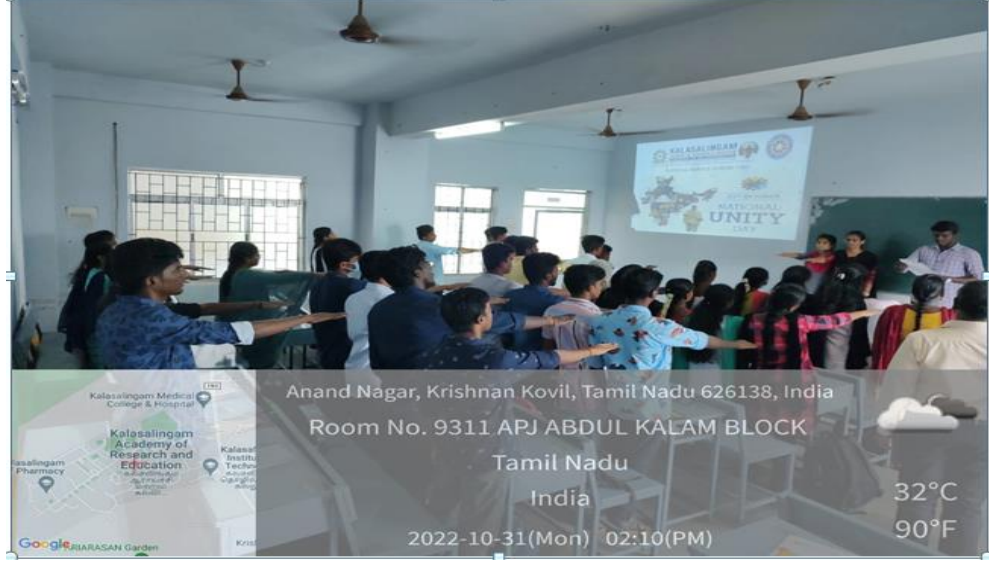
9. KARE **KABADDI** Men team has participated in the **State** Level Open Kabaddi Tournament and won **Second Place** and **Cash Award Rs.10,000/-** at Srivilliputtur on 17 & 18 December, 2022.
10. KARE **TAEKWONDO** Men and Women team participated in the Tamil Nadu **State** Level Taekwondo Championship and won **Gold Medal -2 Nos, Silver Medal - 1 No, Bronze - 2 Nos**, organized by Thoothukudi District Amateur Taekwondo Association, Thoothukudi from 27 to 29 December, 2022.
11. KARE **VOLLEYBALL** Men team has participated in the **Inter District** Level Volleyball Tournament and won **Championship Trophy and Cash Award Rs.21,000 /-** organized by AVC Volleyball Club, Alankulam -Tenkasi on 30 & 31 December, 2022.

ACTIVITIES OF NATIONAL SERVICE SCHEME & UNNAT BHARAT ABHIYAN

S. No	Name of the Activity	Date(s)
1.	Tree Plantation and Awareness Rally	29-10-2022
2.	Pledge Taken by National Unity Day	30-10-2022
3.	Blood donation camp in association with Kalasalingam Medical College Hospital and Govt. Medical College Hospital	10-11-2022
4.	Seven days Annual Special Camp	09-12-2022 to 15-12-2022



Tree Plantation and Awareness Rally



National Unity Day



Blood donation camp

கலசலிங்கம்
கல்வி மற்றும் ஆராய்ச்சி நிறுவனம்
நிகர்நிலை பல்கலைக்கழகம்
ஆனந்த் நகர், கிருஷ்ணன் கோவில் - 626 126,
திருவில்லிபுத்தூர் தாலுகா, விருதுநகர் மாவட்டம், தமிழ்நாடு, இந்தியா.

நாட்டு நலப்பணித் திட்டம்
"Not Me But You"
Youth for Sustainable Development
ஏழு நாள் சிறப்பு முகாம்
அழைப்பிதழ்

அணிகள் : 105 மற்றும் 106
நாள் : 09.12.2022 முதல் 15.12.2022 வரை
இடம் : மல்லி மற்றும் முள்ளிக்குளம்

இங்ஙனம்,
வேந்தர், இயக்குநர்கள், துணை வேந்தர்,
ஒருங்கிணைப்பாளர், திட்ட அலுவலர்கள்,
தன்னார்வத் தொண்டர்கள்,
கலசலிங்கம் கல்வி மற்றும் ஆராய்ச்சி நிறுவனம்
ஆனந்த் நகர், கிருஷ்ணன் கோவில் - 626 126.



Seven Days Annual Special Camp

ACTIVITIES OF NCC

NATIONAL UNITY DAY

"National Unity Day" WAS celebrated on 31 October, 2022 at Seminar Hall, Kalasalingam Academy of Research and Education, Krishnankoil. The program was presided over by Lt SKM Pothinathan, Associate NCC Officer, KARE. The celebration was started with the inauguration speech by the ANO, on the life, history and the role of Sardar Patel in the freedom struggle to establish a harmonious society. It was followed by a unity run to spread the message of National Unity and spirit of Rashtriya Ekta and Azadi Ka Amrit Mahotsav. and Oath taking Ceremony was performed wherein the cadets took a pledge to stand for Unity and Integrity of the country.



National Unity Day

NCC DAY CELEBRATION

As a part of NCC day celebration KARE, NCC provided breakfast to the SDET land, Orphanage, Krishnankoil on 22 November, 2022. This activity help students to understand that they have larger responsibility towards the society and its wellbeing other than their own studies and career progression.



NCC cadets distributing the food to the dependents

FLAG DAY CELEBRATION

To foster and reinforce the strength of public harmony and national integration, RSV also observed "The communal Harmony Week" from 19 to 25 November, 2021 through virtual mode. The NCC cadets of Kalasalingam Academy of Research and Education collected fund by distributing flags with a lot of enthusiasm and zeal under the able guidance of Lt SKM Pothinathan, Associate NCC Officer. Totally Rs.7370 were collected on that day and the same was donated to the National Foundation for Communal Harmony.



KARE NCC cadets collecting fund for Communal Harmony

BLOOD DONATION CAMP

As a part of NCC day celebration a blood donation camp was organized on Sunday, 27 November, 2022, at Kalasalingam Medical College and Hospital, with the help of team of doctors and nurses from the local Govt hospital. It began around 10 am and continued up to 2.00 pm, with a steady stream of donors throughout. Dr. Kaliraj, Srivi GH, expressed his gratitude to the NCC Coy of the college for its continuous endeavor in this regard. He also stressed on the growing need of blood in the state and commended the young volunteers for their noble act.



Blood Donation Camp

ACTIVITIES OF PHYSICAL EDUCATION

S. No	Name of the Event	Date
1.	4 th Tamil Nadu State Level Viriksha Global Swimming Competition -2022	16.10.2022
2.	FIT INDIA FREEDOM RUN 3.0	25.10.2022 to 29.10.2022
3.	8 th Senior State Para Swimming Championship	29.10.2022 & 30.10.2022
4.	II South Zone Boxing Championship (Men & Women)	29.10.2022 & 30.10.2022
5.	National Para Swimming Championship	11.11.2022 to 13.11.2022

FIT INDIA FREEDOM RUN 3.0

Fit India Freedom Run 3.0 was conducted at Kalasalingam Academy of Research and Education from 25.10.2022 to 29.10.2022. Total number of students participated in this event is 75. Certificates were distributed to the participants.



NATIONAL SPORTS DAY

KARE Celebrated National Sports Day for remembering the phenomenal DHYAN CHAND. We conducted an awareness program for Karate (Self Defense) on 29 August, 2022.



Dhyani Chand



Awareness Program, Karate

INTER DISTRICT TABLE TENNIS CHAMPIONSHIP – 2022

Kalasalingam Academy of Research and Education in Association with Thamizhaga Table Tennis Association organized Inter District Table Tennis Championship, 2022 from 11 to 13 July, 2022. Total number of students participated in this event is 450. Certificates were distributed to the participants.



Inter District Table Tennis Championship

ACTIVITY OF FINE ARTS

MIRTH 2k22

Youth Red Cross of Kalasalingam Academy of Research and Education organized an event titled MIRTH 2k22 on 11.11.2022 along with other clubs including pyros, photography, Tamil Mandram, Nature Club. The event was organized to as a cultural event and many chief guests were invited for the event including DJ shiva-ji, Karthick Devaraj and band, Vijay Vishwa – actor/social activist, Maanasi – super singer. Motivational events and games were conducted for the students. Prize winners' list were announced at the Valedictory and Coordinator

distributed the prizes. Student President thanked the gathering. 612 participants of KARE attended the function.



Mirth 2k22

ACTIVITY OF TAMIL MANDRAM PAAVAI VIZHA' 2022

Tamil Mandram has conducted PAAVAI VIZHA'2022 on 31.12.2022 at 10am at Dr. V. Vasudevan Seminar Hall. Ms. A. Vennila, Tamil Mandram Member, welcomed the dignitaries on and off the stage. Dr. C. Sangeetha, coordinator, Tamil Mandram delivered a Keynote address. Honourable Registrar Dr. V. Vasudevan delivered a Presidential address. Mrs. Helen Burns, Writer, Australia, delivered a Special address about Andal Natchiyar Poems and her Devotion. Mrs. Sridevi Viji Battar, Srivilliputhur delivered a felicitation address about Andal History and her Thiruppavai and Naatciyar Thirumozhi.

Around 390 students participated in this event and events like Classical Dance, Music, Singing, Dance and Drama were taken place. Dr. M. Muthukannan, Director Students Affairs honored

the winners with medals and certificates on the day of the celebration. The programme came to an end with a vote of thanks proposed by Mr. S. Tamil Selvan, Tamil Mandram President.



Paavai Vizha' 2022



Mrs. Helen Burns lighted the lamp

4. RESEARCH


SEMINARS, CONFERENCES, WORKSHOPS, TRAINING PROGRAMS, CERTIFICATION PROGRAMS, GUEST LECTURES ORGANIZED



S. No	Title	Department	Date	No. of Attendees
1.	Workshop on “Developing Web Based VR / AR Apps”	CS&IT	01.10.2022	280
2.	Guest Lecture on “Embedded system Application”	Biomedical Engineering	10.10.2022	22
3.	Guest Lecture on “Inauguration of KBS ORIENT-2022”	Business Administration	13.10.2022	208
4.	Guest Lecture on “Quantum dots and its applications”	Physics	13.10.2022	54
5.	Celebration of “MATLAB Day”	Electrical and Electronics Engineering	13.10.2022	56
6.	Guest Lecture on “Inauguration of Yi YUVA”	Business Administration	14.10.2022	208
7.	Conference on “NUTPUM 2022 (Tamil Conference)”	Mechanical Engineering	15.10.2022	162
8.	Guest Lecture on “Recent Trends in Marketing”	Business Administration	15.10.2022	208
9.	Guest Lecture on “Fintech”	Business Administration	17.10.2022	208
10.	Guest Lecture on “Cryptocurrency-The Future”	Business Administration	17.10.2022	208
11.	Intramural event on “Botathon 2K22”	Electronics and Communication Engineering	18.10.2022	172
12.	Intramural event on “AppDev” Challenge	Electronics and Communication Engineering	18.10.2022	60
13.	Intramural event on “Aurdinon”	Electronics and Communication Engineering	18.10.2022	60
14.	Intramural event on “Electrical Design using AUTOCAD”	Electrical and Electronics Engineering	18.10.2022 to 19.10.2022	75
15.	Guest Lecture on “BizComial-22”	Business Business Administration	18.10.2022 to 19.10.2022	208
16.	Intramural event on “Infochallenge 2”	Information Technology	18.10.2022 to 19.10.2022	250
17.	Intramural event on “Spicetron”	Electronics and Communication Engineering	19.10.2022	100
18.	Certificate Programme on “Data Visualization using Python- A Coding Competition”	Computer Applications	19.10.2022	105

S. No	Title	Department	Date	No. of Attendees
19.	Intramural event on “IoTronz”	Electronics and Communication Engineering	19.10.2022	54
20.	Workshop on “Participatory Rural Approach”	Social Work	20.10.2022 to 21.10.2022	25
21.	Guest Lecture on “Outbound Training Activity”	Business Administration	21.10.2022	208
22.	Guest Lecture on “Employ Management at Organization Level”	Social Work	27.10.2022	23
23.	Training Programme on “Machine Learning Algorithms & Deep learning networks for complex Engineering Problems”	Electrical and Electronics Engineering	28.10.2022 to 29.10.2022	48
24.	Guest Lecture on “Surgical Oncology”	Biotechnology	29.10. 2022	164
25.	Guest Lecture on “Employability Skills For 21 st Century Workplace “	English	29.10.2022	59
26.	Guest Lecture on” Cancer Radiation Therapy”	Biotechnology	29.10.2022	164
27.	Guest Lecture on “Social Work Practice on Mentally Retried People”	Social Work	01.11.2022	23
28.	Guest Lecture on “Investment Avenues in Stock Market”	Business Administration	02.11.2022	208
29.	Training Programme on “Employability Skills Training”	English	07.11.2022 to 14.11.2022	24
30.	National level Conference on “Horticulture: Enhancing productivity and mitigating major challenges”	Horticulture	10.11.2022 to 11.11.2022	250
31.	Guest Lecture on “Polymer composites: Recent Technologies, Challenges and Applications”	Physics	14.11.2022	50
32.	Guest Lecture on “Bioprocessing and Biorefineries”	Biotechnology	14.11. 2022	164
33.	Training Programme on “Placement Training “	English	15.11.2022 to 16.11.2022	24
34.	Guest Lecture on “Data Science Methodology and Approach”	Information Technology	17.11.2022	66
35.	Guest Lecture on “Psychiatric Disorder”	Social Work	19.11.2022	23
36.	Guest lecture on "Bioprocess Economics"	Biotechnology	19.11.2022	150
37.	National level Conference on “Sustainable Developments in Food Processing and Technology for Food Security”	Food Technology	19.11.2022	324

S. No	Title	Department	Date	No. of Attendees
38.	Guest Lecture on “Inauguration of Entrepreneurship Club”	Business Administration	19.11.2022	208
39.	Guest Lecture on “Women Maternity Health”	Social Work	23.11.2022	23
40.	Guest Lecture on “Red-Emitting Blue Materials for Optoelectronic Applications”	Chemistry	02.12.2022	64
41.	Guest Lecture on “Prevention of Sexual Harassment Act”	Mechanical Engineering	06.12.2022	30
42.	Guest Lecture on “Social Work Practice at Community Settings”	Social Work	10.12.2022	23
43.	Workshop on “Materials Characterization Techniques”	Physics	14.12.2022	28
44.	Workshop on “Materials Characterization Techniques”	Physics	14.12.2022	28
45.	Guest Lecture on “Thin films for sensor applications”	Physics	15.12.2022	40
46.	Guest Lecture on “Leadership Talk Series Critical Thinking for Leaders”	Business Administration	16.12.2022	208
47.	Online Workshop on “Biomedical Product Design & Development”	Biomedical Engineering	19.12.2022 to 20.12.2022	60
48.	Workshop on “Case Analysis”	Business Administration	21.12.2022 to 22.12.2022	208
49.	Intramural event on “Aarushe”	Electronics and Communication Engineering	22.12.2022	534
50.	Guest Lecture on “Women Empowerment”	Social Work	25.12.2022	20
51.	Guest Lecture on “Social Work Practice on Geriatric Field”	Social Work	28.12.2022	20

PHD VIVA- VOCE EXAMINATION DEFENDED BY FACULTY MEMBERS

Name of the Faculty Member and Department	Supervisor	Thesis Title	Data of Viva-Voce Examination
 Anandh Babu, Department of Civil Engineering	Dr. C. Rameshbabu	Mechanical and Durability Properties of Geopolymer Pervious Concrete with Natural and Recycled Aggregates	19.10.2022

Name of the Faculty Member and Department		Supervisor	Thesis Title	Data of Viva-Voce Examination
M. Raja, Department of Computer Science and Engineering		Dr. S. Dhanasekaran	Optimal Encryption Techniques for Enhancing Data Security Using Attribute Based Encryption in Lightweight Cryptography	28.11.2022
	S. Vignesh, Department of Mechanical Engineering	Dr. J.T. Winowlin Jappes	Development and Characterization of Solution Casted Layered Polymer Composites (SCLPC) for Radiation Shielding Applications	16.12.2022

PROJECT GRANTS RECEIVED FROM GOVERNMENT AGENCIES

No	Principal Investigator	Title of the Project	Funding Agency	Sanctioned Amount (Rs)	Letter Number and Date
1	Dr. L. Muthulakshmi	Development of Woman Entrepreneurs in Different Sericulture Sectors: Available technological Strategies to Develop a Cluster-Scale sustainable training for Women Empowerment in and Around Virudhunagar District	IRD(SC)-DSIR	2007720	TDUPW-11011/3/2021-IRD(SC)-DSIR-dt-21.11.2022

FACULTY AWARDS AND RECOGNITIONS

No	Faculty Name	Department	Awarding Agency	Award / Recognition	Date
1.	Dr. S. Dhanasekaran	Information Technology	MMHRC	Appreciation Award	01.10.2022
2.	Dr. Viji R	Business Administration	ELETS Techno media Pvt Ltd at 14 th Elets Higher Education Summit, Chennai	Outstanding Dean in Higher Education	07.10.2022
3.	Dr. J. Deny	IEDC/ECE	Bharat Seva Kendra	Best Social Worker	07.10.2022

No	Faculty Name	Department	Awarding Agency	Award / Recognition	Date
4.	Dr. A. Ramkumar	Electrical and Electronics Engineering	Asian Journal of Research and Reviews	Reviewer	02.11.2022
5.	M. Uthayakumar	Automobile Engineering	Stanford University	World Top Scientist	03.11.2022
6.	M. Uthayakumar	Automobile Engineering	SAEINDIA	Best Volunteer and Administrator	03.11.2022
7.	V. Arumugaprabu	Mechanical Engineering	Stanford University	World Top Scientist	03.11.2022
8.	N. Rajini	Mechanical Engineering	Stanford University	World Top Scientist	03.11.2022
9.	Dr. M. Karuppasamy Pandian	Electrical and Electronics Engineering	IEI	IEI Young Engineers award	13.11.2022
10.	Dr. D. Kalpanadevi	Computer Applications	IEEE	Reviewer	22.11.2022
11.	Dr. Shashi Kant Dargar	Electronics and Communication Engineering	Scientific Innovation and Research Group (SIRG), Egypt	Elected as Honorary Adjunct Professor and Senior Research Fellow	28.11.2022
12.	Dr. J. Deny	IEDC/ECE	Educational and Psychological Research Centre	Ivan Pavlov Award	07.12.2022
13.	Dr. G. Vishnuvarthanan	Biomedical Engineering	Elsevier	Best paper award for 2022 by Information Fusion	13.12.2022
14.	Dr. P. Aruna Jeyanthi	Electrical and Electronics Engineering	ABV-IIIT Gwalior	Reviewer	21.12.2022 to 23.12.2022
15.	Dr. K. Vijayakumar	Electrical and Electronics Engineering	AWS	Certificate on "Getting Started with AWS Machine Learning"	18.07.2022
16.	Dr. K. Vijayakumar	Electrical and Electronics Engineering	Google for Education and Matlab Onramp from Mathworks	Certificate on "Google Certified Educator"	22.11.2022
17.	Dr. D. Kalpanadevi	Computer Applications	IEEE	Reviewer	21.12.2022
18.	M. Ramaganesh	Mechanical Engineering	IIT Madras	Top Performing Mentor - Work System Design	27.12.2022

No	Faculty Name	Department	Awarding Agency	Award / Recognition	Date
				NPTEL Swayam Course	

FACULTY ACHIEVEMENTS

- Dr. S. Bathrinath, Associate Professor, Department of Mechanical Engineering, published a textbook titled **"TOTAL QUALITY MANAGEMENT "** publisher SIPH.
- Dr Adam Khan M, Associate Professor, Department of Mechanical Engineering and Dr Winowlin Jappes, Associate Professor, Department of Mechanical Engineering, published a Book on **Innovations in Additive Manufacturing**, Springer Nature.
- Dr. M. Maria Antony Raj, Assistant Professor, Department of Social Work, KARE has undertaken Seed Money Project funded by Kalasalingam Academy of Research and Education (Deemed to be University), Virudhunagar on "Impact of Resilience on the promotion of Mental Health among the school Students from Virudhunagar District".
- Department of Social Work, KARE has undertaken Techno Survey funded by Tamil Nadu AdiDravidar Housing & Development Corporation (TAHDCO) on "An Evaluation study on the beneficiaries' status of the Loan from TAHDCO during 2017-2022".

PATENT

No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
1.	Commerce	Green human resources management impact on: a two -study investigation of antecedents and outcomes	Ashok Kumar Sahoo	202221056716 A	03.10.2022
2.	Physics	Pyrotechnic formulation and method of preparing the same	Dr. S. Saravanakumar Dr. Naidu Dhanpal Jayram	202241056626 A	03.10.2022
3.	English	Impact of English learning app for intermediate learners in India	Dr. P. Pandia Rajammal Dr S. Rema Devi Mr N. Devadhas Prabu	202241057061 A	04.10.2022
4.	Computer Science and Engineering	Blind person intelligent walking stick system integrating machine learning and internet of things technology	Mr. Sathiyandrakumar Srinivasan	202241057677 A	08.10.2022
5.	Mechanical Engineering	Garbage collector with compressive press ram	Dr. S. Shasi Anand Dr. P. Jayakumar	202241057775 A	10.10.2022
6.	Mechanical Engineering	Non-label identification with automatic stopper	Dr. S. Shasi Anand Dr. P. Jayakumar	202241057776 A	10.10.2022

No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
7.	Mechanical Engineering	Automatic file distributing robot	Dr. S. Shasi Anand Dr. P. Jayakumar	202241057777 A	10.10.2022
8.	Mechanical Engineering	Portable LPG cooking stove with integral cylinder and volume display	Dr. S. Shasi Anand Dr. P. Jayakumar	202241057778 A	10.10.2022
9.	Computer Science and Engineering	Artificial intelligence-based approach to analyse the impact of Antimicrobial resistance in agricultural against environmental contamination	R. Syed Ali Fathima	202241060207 A	21.10.2022
10.	Business Administration	Implementing strategies for digital marketing using search engine optimization and digital display Advertisements with an eye on the future enhancement of the business	Dr. A. Jafer Sadiq	202241061018 A	26.10.2022
11.	Mechanical Engineering	Steel wire rod roll loader machine	Dr. N. Rajini	202241060848 A	26.10.2022
12.	Mechanical Engineering	Automated wall mounted biometric input fed robot for disabled	Dr. S. Shasi Anand Dr. P. Jayakumar	202241060849 A	26.10.2022
13.	Mechanical Engineering	Automated textile fabric drier with triple pass conveyer	Dr. P. Venkumar	202241060850 A	26.10.2022
14.	Mechanical Engineering	Portable wheelchair elevating device for the disabled	Dr. S. Shasi Anand Dr. P. Jayakumar	202241060851 A	26.10.2022
15.	Mechanical Engineering	Automatic indexing system for milling machine	Dr. N. Rajini Dr. M. Uthaya Kumar	202241060852 A	26.10.2022
16.	Mechanical Engineering	Micro dust absorbing system using suction fan for textile mill	P. G. Gurusampandian	202241060853 A	26.10.2022
17.	Mechanical Engineering	Automobile engine parts cleaning device with quick drying facility	Dr. S. Jeya Kumar Dr. V. Arumuga Prabu	202241060854 A	26.10.2022
18.	Computer Science and Engineering	A portable automatic cardamom color sorting machine	Dr. S. Shasi Anand Dr. Koteswara Rao Anne Dr. P. Sarasu	202241060855 A	26.10.2022
19.	Mechanical Engineering	Portable liquid volume detector for mobile tanker vehicle	Dr. S. Shasi Anand Dr. P. Jayakumar	202241060856 A	26.10.2022
20.	Business Administration	A system for evaluating human relation	Dr. A. Jafersadhiq	202241061393 A	27.10.2022

No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
		management in an organization Using scanner and smart devices and working method thereof			
21.	Computer Science and Engineering	AI based Automatic Sea/lake cleaning robot	P. Kalairasi	202241062284 A	01.11.2022
22.	Mechanical Engineering	Method of preparation and characterization of calotropis gigantea fiberreinforced Phenol formaldehyde composites	Dr. S. Suresh Kumar	202241064198 A	10.11.2022
23.	Physics	Method of preparing silver-zinc oxide marigold structure on flexible Substrate	Dr. Naidu Dhanpal Jayram Dr. S. Saravana Kumar	202241065162 A	14.11.2022
24.	Mathematics	The detection of Varied EEG pattern Signal for Chronic Migraine Patients Using Machine Learning Approach	Dr. Yegnanarayanan Venkataraman	202241065256 A	15.11.2022
25.	Mathematics	Impact on digital awareness programme towards online fraud loan app in India	Dr. Yegnanarayanan Venkataraman	202211065323 A	15.11.2022
26.	Electrical and Electronics Engineering	An Intelligent Water Heating System for Households with Integrated Communication and Defogging Modules	Dr. P. Aruna Jeyanthi	202241065619 A	16.11.2022
27.	Mathematics	Versatile cauldron with the functions of hydraulic forklift	Dr. S. Sarulatha	202241066049 A	17.11.2022
28.	Mathematics	Wearable electronic monitoring device for baby health	Dr. Yegnanarayanan Venkataraman	202211068063 A	26.11.2022
29.	Mechanical Engineering	Automatic operable cot with 90-degree tilt	Dr. S. Shasi Anand Dr. P. Jayakumar	202241068498 A	29.11.2022
30.	Mechanical Engineering	Portable wheelchair elevating device for the disabled	Dr. S. Shasi Anand Dr. P. Jayakumar	202241068499 A	29.11.2022
31.	Mechanical Engineering	Manual operated easy vegetable cutting gloves with attached knife	Dr. S. Shasi Anand Dr. P. Jayakumar	202241068500 A	29.11.2022

No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
32.	Mechanical Engineering	Manually operated portable two-wheeler safe keeping and protecting device	Dr. S. Shasi Anand Dr. P. Jayakumar	202241068501 A	29.11.2022
33.	Mechanical Engineering	Smart monitoring of rubber latex tapping process through IoT sensor	Dr. S. Shasi Anand Dr. P. Jayakumar	202241068504 A	29.11.2022
34.	Mechanical Engineering	Portable mixer grinder cleaning device	Dr. S. Shasi Anand Dr. P. Jayakumar	202241068505 A	29.11.2022
35.	Mechanical Engineering	Vehicle with fire safety equipment holder	Dr. S. Shasi Anand Dr. P. Jayakumar	202241068506 A	29.11.2022
36.	Mechanical Engineering	Battery operated fire extinguisher cylinder carrier vehicle with integral ladder	Dr. S. Shasi Anand Dr. P. Jayakumar	202241068507 A	29.11.2022
37.	Mechanical Engineering	Lifting storage container platform for procuring rice to safe guard from rain water	Dr. S. Shasi Anand Dr. P. Jayakumar	202241070234 A	06.12.2022
38.	Mechanical Engineering	Safety protecting sleeve for blood specimen testing glass slide	Dr. S. Shasi Anand Dr. P. Jayakumar	202241070235 A	06.12.2022
39.	Mechanical Engineering	Manually raised platform for street vegetable vendors	Dr. S. Shasi Anand Dr. P. Jayakumar	202241070236 A	06.12.2022
40.	Mechanical Engineering	Manual fire extinguisher hose reel carrying trolley	Dr. S. Shasi Anand Dr. P. Jayakumar	202241070239 A	06.12.2022
41.	Mechanical Engineering	Fire extinguisher ball ejecting trolley to shut down the fire spot	Dr. S. Shasi Anand Dr. P. Jayakumar	202241070240 A	06.12.2022
42.	Mechanical Engineering	A portable fish vending kiosk with rainwater harvest tank	Dr. S. Shasi Anand Dr. P. Jayakumar	202241071478 A	12.12.2022
43.	Mechanical Engineering	A light emitting footwear for elderly and sick people	Dr. S. Shasi Anand Dr. P. Jayakumar	202241071479 A	12.12.2022
44.	Mechanical Engineering	An edge protector for blood sample testing slides	Dr. S. Shasi Anand Dr. P. Jayakumar	202241071480 A	12.12.2022
45.	Electronics and Communication Engineering	Smart sewage management device based on IoT	Dr. P. Sivakumar Kandyala Sai Kumar, Gunda Mounika, Talari Arun Kumar, Remala Nandakishore Reddy	202241071485 A	12.12.2022
46.	Electronics and Communication Engineering	Portable chthonic and Nero testing system	Dr. V. Hima Deepthi, Thota Jaswanth Yadav, Eragamreddy Naga Harini,	202241071486 A	12.12.2022

No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
			Badatala Manoj Shankar, G.V.V.S.L. Rupesh		
47.	Mechanical Engineering	A portable way finding device for visually challenged persons	Dr. S. Shasi Anand Dr. P. Jayakumar	202241072134 A	14.12.2022
48.	Mechanical Engineering	Instinctual synced ventilation for mushroom growing using IoT	Dr. S. Shasi Anand Dr. P. Jayakumar	202241072135 A	14.12.2022

5. MISCELLANEOUS

IQAC MEETING

The IQAC first quarter meeting was held on 10.11.2022. The external members Dr. R.V. Ranganath, Professor, Civil Engineering, BMS College of Engineering, Bangalore, and Dr. N. Saravanan, Mahindra Research Valley, Mahindra & Mahindra Ltd, Chennai attended the same and offered their valuable suggestions.

Few key points are:

- Members suggested to present question paper comparison with clearly identified parameters in the next meeting.
- The Quadrant analysis method proposed by Director (IQAC) for feedback analysis was discussed and approved for implementation across all departments. It was recommended to make the feedback questions easily understandable by students. Dr. Ranganath suggested to do intermediate feedback analysis during the semester after sessional exam – 1 so that the outcomes can be implemented for improving the quality of teaching learning in the same semester.
- The quality metrics for academic activities were presented by Director (IQAC). It was appreciated and approved. Members suggested to segregate metrics into 3 sub categories viz., students, faculty and department related.
- Director (R & D) presented the proposal on Research Awards on UG/PG projects. After discussion, the members requested Director (R &D) to finalize the rubrics in consultation with School Deans.
- Members appreciated KARE for being one of the leading institutions to frame policies for implementing multiple entry and exit scheme as per NEP 2020.
- Student members requested for OBE awareness among students. The steps initiated towards the same will be presented in the next IQAC meeting.
- Members appreciated KARE for achieving high ranks in various rankings. It was recommended to initiate action for improving perception.

IEDC ACTIVITIES

EVENTS ORGANIZED

S. No	Department	Title	Date(s)	Sponsored By	No. of Participants
1.	IEDC & IIC	Idea Competition	19.10.2022	Kalasalingam Academy of Research and Education	89
2.	IEDC & IIC	Workshop on “Entrepreneurship and Innovation” as Career Opportunity at AAA College- Under Mentor-Mentee Program	14.11.2022	Kalasalingam Academy of Research and Education	72
3.	IEDC & IIC	“IIC Tinkering Day” at LINGA School under Atal School Linkage Program	14.11.2022	Kalasalingam Academy of Research and Education	30

S. No	Department	Title	Date(s)	Sponsored By	No. of Participants
4.	IEDC & IIC	"IIC Tinkering Day" at Lions School Sivakasi under Atal School Linkage Program	14.11.2022	Kalasalingam Academy of Research and Education	30
5.	IEDC & IIC	"IIC Tinkering Day" at Hayagrivas School Sivakasi under Atal School Linkage Program	14.11.2022	Kalasalingam Academy of Research and Education	30
6.	IEDC & IIC	"Entrepreneurship as Career Opportunity" at AAA College-Under Nan Mudhalvan Scheme	14.11.2022	Kalasalingam Academy of Research and Education	128
7.	IEDC & IIC	"Business Idea Pitch Phase 2" Women Entrepreneurs	16.11.2022	IIT Madras	25
8.	IEDC & IIC	Workshop on "Building Women Graduate Entrepreneurs Phase 2"	23.11.2022	IIT Madras	25
9.	IEDC & IIC	Idea Hack Fest	25.11.2022	Kalasalingam Academy of Research and Education & StartupTN	128
10.	IEDC & IIC	"Field Visit" for Problem Collection	03.12.2022	Kalasalingam Academy of Research and Education	118
11.	IEDC & IIC	MSME Idea Hackathon 2.0	08.12.2022 to 10.12.2022	Kalasalingam Academy of Research and Education & MSME	227
12.	IEDC & IIC	Concluding Ceremony, Building Women Graduate Entrepreneurs	29.12.2022	IIT Madras	60

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1.	Arunprasath K, Naresh K., Amuthakkannan P., Manikandan V., Kavith S.	Study of low velocity impact failure responses of woven basalt fiber reinforced polymer composites using ultrasonic A, B and C scan techniques	2022	Advances in Materials and Processing Technologies					
2.	Kalyani K, Parvathy V.S, Abdeljaber H.A.M., Satyanarayana Murthy T., Acharya S., Joshi G.P., Kim S.W.	Effective Return Rate Prediction of Blockchain Financial Products Using Machine Learning	2023	Computers, Materials and Continua	74	1		2303	2316
3.	Vignesh S., Winowlin Jappes J.T, Nagaveena S., Krishna Sharma R., Adam Khan M., More C.V.	Preparation of novel in-situ layered B4C and PbO reinforced solution casted layered polymer composites (SCLPC) for augmenting the gamma irradiation shielding capability	2023	Vacuum	207		111583		
4.	Nandagopal C., Siva Kumar P., Rajalakshmi R., Anandamurugan S.	Mobility Aware Zone-Based Routing in Vehicle Ad hoc Networks Using Hybrid Metaheuristic Algorithm	2023	Intelligent Automation and Soft Computing	36	1		113	126
5.	Alqahtani M.M., Dutta A.K., Almotairi S., Ilayaraja M., Albraikan A.A., Al- Wesabi F.N., Duhayyim M.A.	Sailfish Optimizer with Efficient Net Model for Apple Leaf Disease Detection	2023	Computers, Materials and Continua	74	1		217	233

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6.	Sambathkumar C., Nagavenkatesh K.R., M. Krishna K., Nallamuthu N., Sudhahar S., Devendran P.	Electrochemical exploration on hexadecylamine capped copper sulfide nanocubes using single source precursor for enhanced supercapacitor devices	2022	Journal of Energy Storage	56		105898		
7.	Ebenezer G., Adam Khan M., Winowlin Jappes J.T.	Influence of short-pulsed laser and its thermal effect on micromachining of NiTi alloy	2022	Sadhana - Academy Proceedings in Engineering Sciences	47	4	201		
8.	Sreekala P., Ramkumar A., Rajesh K.	Enhancing the defense application with ANSYS model of thermoelectric generation for coil gun	2022	Sustainable Energy Technologies and Assessments	54		102806		
9.	Kiran V G., Varsha A K., M V., Govindaraj V., M A., N V., M G., Nithila E.E., Bebin M., Prasath T.A., Chezhiyan P.	Synthesis and Characterization of Banana Peel Starch-based Bioplastic for Intravenous Tubes Preparation	2022	Materials Today Communications	33		104464		
10.	Shenbagavalli S., Muthuvinayagam M., Revathy M.S.	Enhancement of electrical and electrochemical properties of sodium bromide incorporated with poly (ethylene oxide)/poly (vinylidene fluoride-hexafluoropropylene) solid blend polymer electrolytes for electrochemical double layer capacitors	2022	Journal of Energy Storage	55		105726		

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11.	Shanmugapriya V., Arunpandiyan S., Hariharan G., Bharathi S., Selvakumar B., Arivarasan A.	Enhanced electrochemical performance of mixed metal oxide (Bi ₂ O ₃ /ZnO) loaded multiwalled carbon nanotube for high-performance asymmetric supercapacitors	2022	Journal of Energy Storage	55		105739		
12.	Chinnaiah K., Krishnamoorthi R., Kannan K., Sivaganesh D., Saravanakumar S., Theivasanthi T., Palko N., Grishina M., Maik V., Gurushankar K.	Ag nanoparticles synthesized by Datura metel L. Leaf extract and their charge density distribution, electrochemical and biological performance	2022	Chemical Physics Letters	807		140083		
13.	Marnadu R., Shkir M., Hakami J., Ashraf I.M., Baskaran P., Sivaganesh D., Chandekar K.V., Kim W.K., Gedi S.	Significant enhancement in photosensitivity, responsivity, detectivity and quantum efficiency of Co ₃ O ₄ nanostructured thin film-based photodetectors through Mo doping developed by spray pyrolysis method	2022	Surfaces and Interfaces	34		102366		
14.	Balamurugan P., Uthayakumar M., Pethuraj M., Mierzwiński D., Korniejenko K., Majid M.S.A.	Electric Discharge Machining on Stainless Steel Using a Blend of Copper and Fly Ash as the Electrode Material	2022	Materials	15	19	6735		
15.	Deepi A.S., Priya S.D., Christy C.E.F., Nesaraj A.S.	Facile Synthesis, Analysis of Physico-Chemical Properties and Tape Casting of Al ₂ O ₃ Nanoparticles	2022	Asian Journal of Chemistry	34	10		2651	2656

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16.	Kumar P.S., Nesaraj A.S.	In vivo Sub Acute Toxicity Studies of Zinc Oxide and Silver/Selenium Doped Zinc Oxide Nanoparticles after Oral Ingestion in Swiss Albino Mice	2022	Asian Journal of Chemistry	34	10		2739	2748
17.	Padmapriya T., Sriramakrishnan P., Kalaiselvi T., Somasundaram K.	Advancements of MRI-based Brain Tumor Segmentation from Traditional to Recent Trends: A Review	2022	Current Medical Imaging	18	12		1261	1275
18.	Prabhu J., Ravindran K.	Tourist's Perspective on MICE Tourism in Chennai: A Study	2022	International Journal of Intelligent Systems and Applications in Engineering	10	3		103	107
19.	Sangeetha J.S., Mohan S., Hariharasudan A., Athithan A.A.	'Invisible Yet Static': An Analysis of Structural Violence with Reference to Kilvenmani Massacre, India	2022	Pertanika Journal of Social Sciences and Humanities	30	3		1319	1339
20.	Shammakh W., Selvam A.G.M., Dhakshinamoorthy V., Alzabut J.	Stability of Boundary Value Discrete Fractional Hybrid Equation of Second Type with Application to Heat Transfer with Fins	2022	Symmetry	14	9	1877		
21.	Arunvinthan S., Rashid N.I.H., Pillai S.N.	Effect of turbulent inflow on the leading-edge protuberanced (LEP) wing: A time-series approach	2022	AIP Conference Proceedings	2520		30001		
22.	Indumathi N., Ramalakshmi R., Selvapalam N.	Application of machine learning techniques for an evaluation of hazardous chemical assessment in firework industry	2022	AIP Conference Proceedings	2520		20008		

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23.	Ajith V., Arumugaprabu V., Ramalakshmi R., Indumathi N.	A study on thermal characterisation of effective pyrotechnic flash compositions	2022	AIP Conference Proceedings	2520		30008		
24.	Gayathri S., Jeyapiriya K., Baskaran M., Rajesh S.	Communicative guiding system for physically challenged person	2022	AIP Conference Proceedings	2520		30016		
25.	Shyamlal C., Rajesh S.	Friction stirs welding: A mathematical review	2022	AIP Conference Proceedings	2520		30002		
26.	Padmanabhan R.G., Karthikeyan S., Parthasarathy C., Arockiam A.J.	Crashworthiness test on hollow section structural (HSS) frame by metal fiber laminates with various geometrical shapes - Review	2022	AIP Conference Proceedings	2520		30010		
27.	Eswari M.S., Balamurali S.	RSOAE: An intelligent glaucoma prediction system for diabetic mellitus community	2022	AIP Conference Proceedings	2520		20009		
28.	Manorama P., Aruna V., Angajala G., Geetha D.	Identification of Chemical Constituents, Chromatographic profiling of PHE (Poly Herbal Extract) of selected Indian Medicinal Herbs and its Antioxidant activity Evaluation	2022	Research Journal of Pharmacy and Technology	15	8		3611	3617
29.	Dhesinghraj J., Mayandi K., Selvakumar A., Muthukannan, Kanniga Devi R., Murali M.	Eco-friendly sanitary napkin	2022	Asian Textile Journal	31	08-Sep		34	40

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30.	Vignesh S., Winowlin Jappes J.T., Nagaveena S., Krishna Sharma R., Adam Khan M., More C.V., Rajini N., Varol T.	Development of Lightweight Polymer Laminates for Radiation Shielding and Electronics Applications	2022	International Journal of Polymer Science	2022		5252528		
31.	E D., S S.P., R P., C B.S.	Artificial Humming Bird Optimization-Based Hybrid CNN-RNN for Accurate Exudate Classification from Fundus Images	2022	Journal of Digital Imaging					
32.	Venkatesan M., Gouse Basha S., Ramkumar A., Manikandan R., Easwaran M., Khan B.	Switched Capacitor Based High Step-Up Multilevel Inverter with Self-Balancing Ability and Low Switching Stress	2022	International Transactions on Electrical Energy Systems	2022		4150590		
33.	Velmurugadass P., Dhanasekaran S., Anand S.S., Vasudevan V.	Quality of Service aware secure data transmission model for Internet of Things assisted wireless sensor networks	2022	Transactions on Emerging Telecommunications Technologies					
34.	Thangarasu S., Siva V., Kannan S., Bahadur S.A., Athimoolam S.	Polymorphism in Chloride Salt of m-Nitroaniline: Structural, Spectroscopic, Thermal, Molecular Docking, Biological, and Quantum Chemical Computational Investigation	2022	Polycyclic Aromatic Compounds					
35.	Kameswari M., Mohiuddine S.A., Nayagam V.L.G., Tamilvanan K., Anbazhagan N.	Correction: On level spaces of fuzzy bitopological spaces (Soft Computing, (2022), 26, 21, (11287-11293), 10.1007/s00500-022-07382-4)	2022	Soft Computing					

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36.	Velmurugan K., Saravanasankar S., Venkumar P., Sudhakarapandian R., Di Bona G.	Availability Analysis of the Critical Production System in SMEs Using the Markov Decision Model	2022	Mathematical Problems in Engineering	2022		6026984		
37.	Nagaraj P., Muneeswaran V., Krishna K.J., Reddy K.Y., Morries J.R., Kumar G.P.	Identification of Skin Diseases using a Novel Deep CNN	2022	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings				992	997
38.	Perumal B., Nagaraj P., Durga B.G., Kumaran T.H.M., Devika I.V., Akshaya M.J.	Internet of Things based Weather and Water Quality Monitoring System	2022	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings				998	1002
39.	Poornam S., Alagarsamy S.	Detection of Brain Tumor in MRI Images using Deep Learning Method	2022	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings				855	859

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40.	Deny J., Rajalakshmi P., Muneeswaran V., Sudharsan R.R., Nagaraj P.	Automation of Glucose Control for Type-2 Diabetes Mellitus	2022	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings				79	83
41.	Sasikala G., Srinivasan S., Navarajan J., Theresa M.M.	IoT based Water Level Monitoring and Management in Reservoir	2022	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings				1763	1767
42.	Ramkumar P., Nair A., Sivasubramanian M., Buddhi D., Prakash C.	Effectiveness prediction of CuO nanofluid heat pipe system using fuzzy neuro approach	2022	International Journal on Interactive Design and Manufacturing					
43.	Nagaraj P., Muneeswaran V., Muthamil Sudar K., Vardhan Reddy A N., Deshik G., Reddy C C.K.	Ensemble Machine Learning (Grid Search & Random Forest) based Enhanced Medical Expert Recommendation System for Diabetes Mellitus Prediction	2022	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings				757	765

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45.	Mary Sujana S.R., Sriresh G., Samson Nesaraj A.	One Pot Synthesis and Analytical Properties of Sr Doped NiCo ₂ O ₄ Nanoparticles for Application in Electrochemical Supercapacitors	2022	Integrated Ferroelectrics	230	1		108	119
46.	Priyanka K., Deepi A., Samson Nesaraj A.	Novel Copper Doped Nickel Oxide Nanocrystalline Electrode Materials for Electrochemical Capacitor Applications	2022	Integrated Ferroelectrics	230	1		198	209
47.	Karthikeyan K., Sunder R., Shankar K., Lakshmanaprabu S.K., Vijayakumar V., Elhoseny M., Manogaran G.	Retraction Note: Energy consumption analysis of Virtual Machine migration in cloud using hybrid swarm optimization (ABC-BA) (The Journal of Supercomputing, (2020), 76, (3374-3390), 10.1007/s11227-018-2583-3)	2022	Journal of Supercomputing					
48.	Suba M., Inayath Ahamed S.B.	A Discussion on the Impacts of Ecological Intellectual Capital in Green Management	2022	IOP Conference Series: Earth and Environmental Science	1057	1	12012		
49.	Vijaiprabhu G., Pandia Rajammal P., Rema Devi S., Karthika P.	Secured Optimal Path to Identify the Networking Model using Cold Chain Logistics in Hospital Environment	2022	IOP Conference Series: Earth and Environmental Science	1057	1	12005		

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51.	Gokul M., Geetha Anandhi C., Monisha R., Nithyaa A.N., Harishma S., Murugesan P., Mohana M.	Design and Development of Electrogastrograph Wireless Electrode Module	2022	Journal of Physics: Conference Series	2318	1	12005		
52.	Nithyaa A.N., Premkumar R., Gokul M., Iswarya C., Lakshmi Priya S.	Exoskeleton Device for Left Hemiplegia Patients with Electromyograph	2022	Journal of Physics: Conference Series	2318	1	12006		
53.	Jeyavijayan S., Ramuthai M., Murugan P.	Quantum Chemical Investigation, Electronic Properties, Docking, and ADMET Studies on p-(2-Bromoethoxy) Anisole as Breast Cancer Agent	2022	Polycyclic Aromatic Compounds					
54.	Almeshaal M., Palanisamy S., Murugesan T.M., Palaniappan M., Santulli C.	Physico-chemical characterization of Grewia Monticola Sond (GMS) fibers for prospective application in biocomposites	2022	Journal of Natural Fibers					

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56.	Venkatraman Y., Yegnanarayanan K.N., Balas V.E.	Comprehending COVID-19 as a contact network	2022	Biomedical Engineering Applications for People with Disabilities and the Elderly in the COVID-19 Pandemic and Beyond				105	108
57.	Doss R., Ramakrishnan J., Kavitha S., Ramkumar S., Charlyn Pushpa Latha G., Ramaswamy K.	Classification of Silicon (Si) Wafer Material Defects in Semiconductor Choosers using a Deep Learning ShuffleNet-v2-CNN Model	2022	Advances in Materials Science and Engineering	2022		1829792		
58.	Vignesh G.D., Ramu A., Raja J.T., Ponmurugan P., Haldorai A., Senthilkumar G.	Sensor data fusion techniques in the construction of generalized VORONOI graph for on-line motion planning in robot navigation	2022	International Journal of System Assurance Engineering and Management					
59.	Subburaj V., Chokkalingam R.B., Prabhu P., Balaji V.	Preparation and Characterization of Biocement Mortar Containing Silane-treated Nano-Si ₃ N ₄ Prepared from Rice Husk Ash	2022	Silicon					

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61.	Senthilkumar G., Tamilarasi K., Kaviarasan S., Arun M.	Trusty authentication of devices using blockchain-cloud of things (B-CoT) for fulfilling commercial services	2022	International Journal of System Assurance Engineering and Management					
62.	Pankiraj J.B., Govindaraj V., Zhang Y., Murugan P.R., Milton A.	Development of scalable coding for the encryption and decryption of images using modified diagonal min-max block truncation code	2022	Multimedia Tools and Applications					
63.	Pandeeswari D., Hariharasudan A., Hassan A.	The Pragmatic Study of Metafiction in Preeti Shenoy's 'The Secret Wish List' and 'It Happens for a Reason'	2022	Studies in English Language and Education	9	3		1348	1363
64.	Thivya P., Bhanu Prakash Reddy N., Vadakkepulppara Ramachandran Nair S.	Extraction of xyloglucan from tamarind industrial waste by different methods and their potential application in the food sector	2022	International Journal of Food Science and Technology					
65.	Sathyaseelan P., Raja K., Arun Prasad M., Manivannan J.	Experimental investigation on the ballistic impact properties of areca/kenaf fiber- reinforced hybrid epoxy composite plates	2022	Materials Today: Proceedings					

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67.	Sarathkumar Sebastin J., Madhan Kumar B., Shreedharan M., Javadala A.K., Manoj V., Haribabu C.	Impact of Surface Roughness on the Aerodynamic and Aeroacoustic Performance of the Darrieus Wind Turbine	2023	Lecture Notes in Mechanical Engineering				719	730
68.	Maheswaran N., Jeyakumar S.	Numerical Investigations on the Flow Characteristics of Dual Cavity in a Strut-Based Scramjet Combustors	2023	Lecture Notes in Mechanical Engineering				657	667
69.	Srinivasan V.P., Rai S.R., Aruljothi G., Nitish K., Kalusuraman G.	Experimental investigation on electro discharge machining of aluminium alloy (Al 2014) using GRA	2022	AIP Conference Proceedings	2527		20001		
70.	Demissie F., Kannaiyan M., George P.J.E.	Evaluation of the insecticidal effect by phytochemical screening of crude methanol extracts of <i>Thalictrum rhynchocarpum</i> Dill on <i>Anopheles gambiae</i> Giles in Ethiopia	2022	Journal of Entomological Research	46	3		494	499
71.	Thomas K., Uthayakumar M., Bathrinath S., Abdul Masjid M.S., Koppihraj K.	A Framework for Timely Delivery of Serviced Vehicles in Automotive Service Garages Using a Rough—DEMATEL Technique	2023	Lecture Notes in Mechanical Engineering				445	459

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73.	Muthusamy A.R., Thiagamani S.M.K., Krishnasamy S., Muthukumar C., Rangappa S.M., Siengchin S.	Lignocellulosic microfibrils from Phaseolus lunatus and Vigna radiata biomass: characterization and properties	2022	Biomass Conversion and Biorefinery					
74.	Gokul M., Surekha S., Monisha R., Nithya A.N., Anisha M.	Design and Implementation of Wearable Cap for Parkinson's Population	2023	Lecture Notes in Networks and Systems	428			83	91
75.	Sakthivel K., Krishnasamy R., Balasubramanian K., Krishnakumar V., Ganesan M.	A revolutionary Partial Resonant Inverter and doubler rectifier with MPPT based on Sliding Mode Controller for harvesting Solar photovoltaic sources	2022	Sustainable Computing: Informatics and Systems	36		100811		
76.	Kabilan S.J., Kunjiappan S., Sundaresan H., Mahesh S., Srinivasan G.	Therapeutic Efficacy of Polyherbal Formulation Kabasura kudineer Against Common Viral Fevers-A Perspective Review	2022	Anti-Infective Agents	20	5	e2705222 05330	63	80
77.	Priya M., Zochedh A., Arumugam K., Sultan A.B.	Quantum Chemical Investigation, Drug-Likeness and Molecular Docking Studies on Galangin as Alpha-Synuclein Regulator for the Treatment of Parkinson's Disease	2022	Chemistry Africa					

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79.	Selvakumar K., Oh T.H., Wang Y., Prasanna A.M., Arunpandian M., Sadhasivam T., Sami P., Swaminathan M.	Rational design of single tungsten/cobalt atom oxide anchored on the TiO ₂ -rGO: A highly efficient electrocatalyst for water splitting and photocatalyst for decomposition of pharmaceutical pollutant	2022	Separation and Purification Technology	303		122298		
80.	Saravanan V., Lakshmanan P., Palanisami N., Amalraj J., Pyarasani R.D., Ramalingan C.	2D/3D- C ₃ N ₄ /CeO ₂ S-scheme heterojunctions with enhanced photocatalytic performance	2022	Inorganic Chemistry Communications	146		110189		
81.	Vinolia T.L., Nesaraj A.S., Arunkumar M.	UV Light Photo-Degradation of Rhodamine B and Methylene Blue Dyes using Gd ₂ O ₃ Nanoparticles	2022	Asian Journal of Chemistry	34	11			
82.	Thaninki L.V., Arputharaj S.N., Manasai A.	Facile wet chemical synthesis and characterization of zinc doped gadolinium oxide nanoparticles for enhanced photodegradation of Rhodamine B dye under illumination of UV light	2022	Iranian Journal of Catalysis	12	3		315	336

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84.	Suresh Kumar A., Muthukannan M., Arun Kumar K., Chithambar Ganesh A., Kanniga Devi R.	Development of Environmental-Friendly Geopolymer Concrete Using Incinerated Biomedical Waste Ash	2023	Lecture Notes in Civil Engineering	277			709	726
85.	Shyamala Kumari C., Pon Suresh M., Meena K.	Quality Rating Application for Victual Recipes Using Facial Analysis	2023	Lecture Notes in Networks and Systems	528			815	830
86.	Bose P.	Hybrid Bacteria Foraging Algorithm with PSO and DE Algorithm for Optimal Cluster Head Selection in Wireless Sensor Networks	2022	International Journal of Cognitive Informatics and Natural Intelligence	16	1			
87.	Shankar K., Lakshmanaprabu S.K., Gupta D., Maselena A., de Albuquerque V.H.C.	Retraction Note to: Optimal feature-based multi-kernel SVM approach for thyroid disease classification	2022	Journal of Supercomputing					
88.	Uthayakumar J., Metawa N., Shankar K., Lakshmanaprabu S.K.	Retraction Note: Intelligent hybrid model for financial crisis prediction using machine learning techniques	2022	Information Systems and e-Business Management					

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90.	Rupashini P.R., Poonkodi R., Shadrach F.D., Anitha R., Esther Mary J., Nirmalan R.	Diabetic Retinopathy Detection Using Retinal Fundus Picture and Image Enhancement Using Fuzzy Clustering	2022	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022					
91.	Brintha N.C., Narayana J.A., Jaswanth G.L.V.S., Chandrapal G.J., Venkat D.	Realtime Facial Emotion Detection Using Machine Learning	2022	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022					

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93.	Nivedita V.S., Balakrishnan M., Shadrach F.D., Loyola Jasmine J., Obulesh A., Cristin R.	DBN with a Developed Version of Thermal Exchange Optimization (TEO) Model for Skin Cancer Detection and Classification	2022	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022					

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95.	Nineesha P., Deepalakshmi P.	Automated Techniques on Indian Legal documents: A Review	2022	Proceedings of the 2022 3rd International Conference on Intelligent Computing, Instrumentation and Control Technologies: Computational Intelligence for Smart Systems, ICICICT 2022				172	178
96.	Manimuthu A., Murugaboopathi G.	Retraction Note to: An enhanced approach on distributed accountability for shared data in cloud	2022	Journal of Ambient Intelligence and Humanized Computing					

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97.	Sampradeepraj T., Anusuya Devi V., Raja S.P.	Secure multicasting in wireless sensor networks using identity-based cryptography	2022	Concurrency and Computation: Practice and Experience					
98.	Shanmugarajeshwari V., Ilayaraja M.	IoT-Based Prediction of Chronic Kidney Disease Using Python and R Based on Machine and Deep Learning Algorithms	2023	Lecture Notes in Networks and Systems	445			59	69
99.	Ramaraj R., Dharmaraj G., Balasubramanian S., Kumawat R.	Model-Based Hardware-in-the-Loop Closed-Loop Control of Brushless Direct Current Motor in Electric Vehicle Applications	2023	Lecture Notes in Electrical Engineering	863			59	72
100.	Kalai Selvi K., Dhanalakshmi K.S., Padmavathi R.A.	Potential model and simulation analysis of dual material gate vertical TFET with impact of interface trap charges	2022	Micro and Nanostructures	172		207443		
101.	Vankayalapati H.D., Kuchibhotla S., Chadalavada M.S.K., Dargar S.K., Anne K.R., Kyandoghere K.	A Novel Zernike Moment-Based Real-Time Head Pose and Gaze Estimation Framework for Accuracy-Sensitive Applications	2022	Sensors	22	21	8449		

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102.	Balachandran G., Diwakaran S., Mohanavel V., Sabitha R., Nanammal V.	Several Adaptable Robot engagements planning with blending Conflict and plan resolution	2022	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022					
103.	Farzhana I., Chandrasekar A., Diwakaran S., Hemavathi S., Ramkumar G.	LoRaWAN Mesh Networks: An efficient mesh formation of LoRa devices in rural energy system	2022	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022					

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104.	Mohanavel V., Ravichandran M., Paul C., Diwakaran S., Sajiv G.	Remodeling Control with Filter in Collaboration among Isolated Robot Systems with Force Feedback	2022	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022					
105.	Krishnan S., Dharmaraj D.G., Suryaraj C.S., Thomas C., Devakrishna K.V., Kailas Nath K.	Computer Vision-based Advanced Valve Positioner	2022	Proceedings of the 2022 3rd International Conference on Intelligent Computing, Instrumentation and Control Technologies: Computational Intelligence for Smart Systems, ICICICT 2022				791	795

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106.	Gopalan K., Pothiraj S.	Retraction Note to: A saboteur and mutant based built-in self-test and counting threshold-based built-in self repairing mechanism for memories (Journal of Ambient Intelligence and Humanized Computing, (2020), 12, (6651–6663), 10.1007/s12652-020-02284-5)	2022	Journal of Ambient Intelligence and Humanized Computing					
107.	Kumar P.G.A., Jeyanthi P.A., Devaraj D.	Hybrid multi-objective method based on ant colony optimization and firefly algorithm for renewable energy sources	2022	Sustainable Computing: Informatics and Systems	36		100810		
108.	Radhakrishnan R.K.G., Marimuthu U., Balachandran P.K., Shukry A.M.M., Senjyu T.	An Intensified Marine Predator Algorithm (MPA) for Designing a Solar-Powered BLDC Motor Used in EV Systems	2022	Sustainability (Switzerland)	14	21	14120		
109.	Priya P., Ponvijayapaundian M., Jenson J., Saran M.M., Saravanan S.	Enhancement of the Switched Reluctance Motor Using Predictive Current Control	2022	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022					

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111.	Aruna Jeyanthi P., Ganga Surendra Reddy E., Venkata Koteswararao K., Naveen N., Sree Divya K.M.	Implementation of solar powered safety applications for life protection	2022	Proceedings of the 2022 3rd International Conference on Intelligent Computing, Instrumentation and Control Technologies: Computational Intelligence for Smart Systems, ICICICT 2022				1833	1837
112.	Rajesh Kumar V., Aruna Jeyanthi P., Kesavamoorthy R.	Optimization-Assisted CNN Model for Fault Classification and Site Location in Transmission Lines	2022	International Journal of Image and Graphics			2450008		
113.	Jayajothilakshmi V., Mohan S., Kannan R.	Marriage Break-Ups and Its Effect on Children's Future: An Exploration of the Novel Custody	2022	Journal of Language Teaching and Research	13	6		1279	1286

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115.	Balamurali E., Hariharasudan A.	Fresh Landscapes in Indian Culture - Sita the Creator of Space for Women Learning Skills	2022	World Journal of English Language	12	2		29	35
116.	Priyadharshini P., Mohan S., Hassan A.	A Feministic Discourse of Existentialism in Namita Gokhale"s Select Works	2022	World Journal of English Language	12	2		134	140
117.	Karthiga B., Durairaj D., Nawaz N., Venkatasamy T.K., Ramasamy G., Hariharasudan A.	Intelligent Intrusion Detection System for VANET Using Machine Learning and Deep Learning Approaches	2022	Wireless Communications and Mobile Computing	2022		5069104		
118.	Lakshmi Narayanan S., Shunmugavel S., Prasanth R., Satheesh Kumar M., Srujan Raju K., Suthendran K.	Design and Implementation of Cyber Threat Intelligence Data Mining Model	2023	Lecture Notes in Networks and Systems	459			171	185
119.	Jayakumar P., Padmanabhan S., Lilly R., Suthendran K.	Bio-medical Waste Remediation by Environmental Safe Gelatin Coated Blood Sample Paper and its Effective Utilization	2022	Nature Environment and Pollution Technology	21	3		1333	1340
120.	Vignesh D., Banerjee S.	Dynamical analysis of a fractional discrete-time vocal system	2022	Nonlinear Dynamics					

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122.	Jeyavani M., Karuppasamy M.	EEG in Optic Nerves Disorder Based on FSVM Using Kernel Membership Function	2023	Smart Innovation, Systems and Technologies	311			145	154
123.	Kumar R.A., Kartheeban K., Sumathi G., Rajesh S.	Cloud Service Optimization Based on Reverse Auction Method	2022	Journal of Theoretical and Applied Information Technology	100	21		6429	6438
124.	Murugeswari N., Jeyadurga P., Sridevi S., Balamurali S.	Evaluation and optimal designing of a new system of skip-lot reinspection schemes	2022	Journal of Statistical Computation and Simulation					
125.	Jessy Michla J.R., Rajini N., Oluwarotimi Ismail S., Ram Prabhu T., Mohammad F., Siengchin S., Indira Devi M.P.	Effects of nitriding on salt spray corrosion resistance of additively manufactured 17-4 PH steels	2023	Materials Letters	330		133258		

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126.	Bathrinath S., Nagesh S.M., Dinesh V., Sri Ram Ganesh M., Koppiahraj K., Bhalaji R.K.A.	Analysing the Primary Influential Factors in Cement Manufacturing Industry Using DEMATEL Methodology	2023	Lecture Notes in Mechanical Engineering				489	498
127.	Chellaganesh D., Adam Khan M., Winowlin Jappes J.T., Mashinini P.M.	Surface and Interface Analysis on Plasma Spray Coating on Superalloys at Elevated Temperature	2023	Lecture Notes in Mechanical Engineering				629	641
128.	Siva Sundaram C., Gokulraj K., Hari Vignesh N., Adam Khan M., Winowlin Jappes J.T., Anushraj B., Arunachalam S.	Biocorrosion Studies on Stainless Steel Implant Material with Different Surface Process Condition	2023	Lecture Notes in Mechanical Engineering				57	65
129.	Winowlin Jappes J.T., Raj E.S., Leon J., Adam Khan M., Reena Daphne R.	Estimation of the Wear Resistance in Electroless Composite Substrates Using a Novel Coating and Microwave Heat Treatment Method	2023	Lecture Notes in Mechanical Engineering				63	73
130.	Adam Khan M., Sivakumar S., Mashinini P.M., Samuel Ratna Kumar P.S.	Biocompatibility Study Over WEDM Machined Surface of Stainless Steel Human Implant Material	2023	Lecture Notes in Mechanical Engineering				531	540
131.	Kumar N.V., Uthayakumar M., Kumaran S.T., Velayudham A.	Hardness and Impact Fracture Behavior of Armor Weldment Using Austenitic Stainless Steel Filler	2022	Human Factors and Mechanical Engineering for Defense and Safety	6	1	15		
132.	Shanmugam S.K., Sundaresan T.K., Varol T., Kurniawan R.	Solid Particle Erosion Studies of Varying Tow-Scale Carbon Fibre-Reinforced Polymer Composites	2022	Materials	15	21	7534		

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134.	Shyamlal C., Rajesh S., Saravana Sankar S., Winowlin Jappes J.T.	Mechanical property and microstructural evaluation of friction stir welded AA8090 T87 aluminium alloy	2022	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					
135.	Manikandan R., Shanmugavel R.	Investigation of emission behaviour for tamarind seed powder-based firecracker	2022	Journal of Applied Research and Technology	20	3		298	305
136.	Karuppiyah K., Sankaranarayanan B., Ali S.M., Bhalaji R.K.A.	Decision modeling of the challenges to human–robot collaboration in industrial environment: a real world example of an emerging economy	2022	Flexible Services and Manufacturing Journal					
137.	Vivek C.M., Srividhya P.K., Ramkumar P.	Investigating the Effect of Producer Gas in Pipelines of Downdraft Gasifier	2022	Solid State Phenomena	338			49	53
138.	Arumugaprabu V., Ajith S., Jerendran J., Naresh K., Rama Sreekanth P.S.	Hazard identification and risk assessment using integrated exposure frequency and legislation requirements (HIRA-FL) in construction sites	2022	Materials Today: Proceedings	56			1247	1250

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140.	Balamurugan G., Gowthaman S.	A review on split injection performances in DI diesel engine with different injection strategies and varying EGR using biodiesel as fuel	2021	Materials Today: Proceedings					
141.	Thirugnanasamban dan T.	Chalcogenides-based nanomaterials for artificial photosynthesis	2021	Chalcogenide-Based Nanomaterials as Photocatalysts				219	242
142.	Bennet C., Mayandi K., Jappes J.T.W., Rajini N., Siva I.	Tribological studies of surface-modified sansevieria cylindrica fiber-reinforced polyester composites	2020	Tribology of Polymer Composites: Characterization, Properties, and Applications				213	222
143.	Shanmugapriya V., Arunpandiyan S., Hariharan G., Bharathi S., Selvakumar B., Arivarasan A.	Enhanced supercapacitor performance of ZnO/SnO ₂ : rGO nanocomposites under redox additive electrolyte	2023	Journal of Alloys and Compounds	935		167994		
144.	Zochedh A., Shunmuganarayana n A., Sultan A.B.	Conformational fidelity and hydrogen bond associability of L-histidine with sulfamate anion studied through XRD, quantum chemical, spectroscopic and molecular docking simulation as a cdk-4 inhibitor against retinoblastoma	2023	Journal of Molecular Structure	1274		134402		

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146.	Jeevaraj M., Sudhahar S., Devendran P., Nallamuthu N., Jayram N.D., Kumar M.K.	Structural, optical and charge density investigations on lead free Mn ²⁺ doped Cs ₂ NaBiCl ₆ double perovskite microcrystals	2022	Materials Today Communications	33		104715		
147.	Paranthaman S., Vedamanickam N., Ganesan M., Sampathkumar S.	Structure, Stability, Electronic and Magnetic Properties of FemBin (m + n = 2–4) Clusters: A DFT Study	2022	Russian Journal of Physical Chemistry A	96	11		2466	2475
148.	Ranjithkumar R., Lakshmanan P., Palanisami N., Devendran P., Nallamuthu N., Sudhahar S., Kumar M.K.	Facile, Morphology-Controlled and Mass Production of 0D-Ag/2D-g-C ₃ N ₄ /3D-TiO ₂ Nano-composite Materials: Effect of Silver Morphology and Loading on the Electrochemical Performance	2022	Electronic Materials Letters					
149.	Shenbagavalli S., Muthuvinnayagam M., Revathy M.S.	Characterization of lithium-based poly (ethylene oxide)/poly (vinylidene fluoride-co-hexafluoropropylene) solid blend polymer electrolytes for energy storage applications	2022	Ionics					
150.	Renugadevi S., Sakthiprasath R., Kalaiselvi P., Ramakrishnan P., Kumar L.S., Gomathi S.	A Study on Customers Attitude Towards Online Ticket Booking During Covid-19 With Special Reference to Coimbatore City	2022	Journal of Pharmaceutical Negative Results	13			2489	2495

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152.	Obse W.G., Kannan G., Meenakshi K., Viji S., Navulla D., Kataria G.	Analyzing The Impact of Commercial Banks in Regulating the Cash Flows in The Business Sector	2022	Journal of Pharmaceutical Negative Results	13			1060	1065
153.	Priya K., Ahamed S.B.I.	Role Perception of Teachers: The Way Ahead for Worklife Balance	2022	Journal of Pharmaceutical Negative Results	13			5358	5365
154.	Ezhilmaran V., Suya Prem Anand P., Kannan S., Sivashanmugam N., Jayakrishna K., Kalusuraman G.	Review of bioresorbable AZ91, AZ31 and Mg-Zn-Ca implants and their manufacturing methods	2022	Materials Science and Technology (United Kingdom)					
155.	Valsalan A., Sivaranjana P.	Review Article: Development of biodegradable films using nanocellulose for food packaging application	2022	Analytical Methods in Environmental Chemistry Journal	5	4		20	42
156.	Chidaraboyina S., Nesaraj A.S., Arunkumar M.	Facile Chemical Synthesis of Pure Cu doped CeO ₂ Nanoparticles: Evaluation of Fundamental Properties and Photocatalytic Activity on Rhodamine B Dye	2022	Asian Journal of Chemistry	34	12		3093	3099

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158.	Rajkumar M., Fernando J., SenthilKannan K., Kumar R.A., Divya R., Saravanan P., Krishna P.H.	Enactment by Computational-Structural and by the Experimental Studies of 2-Hydroxyimino-2-(Pyridin-2-yl)-N'-[1-(pyridin-2-yl) ethylidene] Acetohydrazide - HIPYPYEAH Crystalline Specimen	2022	AIP Conference Proceedings	2446		100027		
159.	Rajendran P., Muthuraj A., Rajagounder N.E.	Review on CeO ₂ -Based Corrosion Coatings	2022	Transactions of the Indian Ceramic Society					
160.	Rajendran P., SathishKannan R., Karpagalakshmi K., Piramuthu L., Nagarajan E.R., Subbiah S., Yang C., Selvapalam N.	Fluorescence Sensor for Water in Organic Solvent Using Graphene Oxide- Rhodamine B and Cucurbit [7] uril	2022	Journal of Fluorescence					
161.	Arunkumar M., Nesaraj A.S., Christy C.E.F., Kennady C.J.	Improved photocatalytic efficiency of MAI ₂ O ₄ @ activated carbon based nanocomposites in removing malachite green dye under visible light	2022	Nanotechnology for Environmental Engineering					

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163.	Boutiara A., Alzabut J., Selvam A.G.M., Vignesh D.	Analysis and Applications of Sequential Hybrid ψ -Hilfer Fractional Differential Equations and Inclusions in Banach Algebra	2023	Qualitative Theory of Dynamical Systems	22	1	12		
164.	Ananth C., Kameswari M., Srinivasan R., Surya S., Kumar T.A.	A Novel Low-cost Visual Aid System for the Completely Blind People	2023	Lecture Notes in Networks and Systems	498			177	183
165.	Ammakkannu G., Maragathasundari S., Manikandan P.	Performance Measures of a Multi Vacation Queuing System of Reneging Customers	2022	AIP Conference Proceedings	2516		360002		
166.	Maragathasundari S., Manikandan P., Geetha R.	Solving of Queuing Issue in a WhatsApp Server	2022	AIP Conference Proceedings	2516		360014		
167.	Saikam L., Arthi P., Jayram N.D., Sykam N.	Rapid removal of organic dyes from aqueous solutions using mesoporous exfoliated graphite	2022	Diamond and Related Materials	130		109480		
168.	Mayakkannan M., Siva V., Murugan A., Shameem A., Thangarasu S., Asath Bahadur S.	Microwave-assisted synthesis of ternary transition metal ferrite: Structural, morphological, optical, magnetic and electrochemical properties	2023	Physica E: Low-Dimensional Systems and Nanostructures	147		115573		
169.	Gurushankar K., Grishina M., Gohulkumar M., Kannan K.	Computational and experimental studies on SnO ₂ thin films at various temperatures	2023	Computer Optics	47	1		53	61

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171.	Hariharan G., Arunpandiyan S., Shanmugapriya V., Bharathi S., Babu M., Selvakumar B., Arivarasan A.	Role of various redox additive electrolytes on the electrochemical performances of mixed metal oxide loaded multiwalled carbon nanotube based supercapacitors	2023	Journal of Energy Storage	57		106178		
172.	Jeyavijayan S., Ramuthai M., Murugan P.	Molecular geometry, spectroscopic and NLO studies of 1-(chloromethyl)-4- fluorobenzene - A DFT study	2022	Indian Journal of Chemistry (IJC)	61	11		1205	1215
173.	Ramya W.M.T., Siva V., Murugan A., Shameem A., Kannan S., Venkatachalam K.	A Novel Biodegradable Polymer-Based Hybrid Nanocomposites for Flexible Energy Storage Systems	2022	Journal of Polymers and the Environment					
174.	Arunpandiyan S., Hariharan G., Raja A., Packiaraj R., Bharathi S., Arivarasan A.	Significance of Redox Additive Electrolyte over Energy and Power Densities of Mixed Metal Vanadate-Based Supercapattery Device	2022	ACS Applied Electronic Materials					

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176.	Bose S.A., Rajulapati S.B., Velmurugan S., Arockiasamy S., Jayaram K., Kola A.K., Raja S.	Process intensification of biopolymer polyhydroxybutyrate production by pseudomonas putida SS9: A statistical approach	2023	Chemosphere	313		137350		
177.	Rajeshkumar R.R., Kumar B.K., Pavadai P., Panneerselvam T., Sundar K., Ammunje D.N., Pandian S.R.K., Murugesan S., Kabilan S.J., Kunjiappan S.	Graph theoretical network analysis, in silico exploration, and validation of bioactive compounds from Cynodon dactylon as potential neuroprotective agents against α -synuclein	2022	Bio Impacts	12	6		487	499
178.	Nayak J., Chakraborty S.	MOFs-based advanced materials for gaseous adsorption: Sustainable environmental remediation	2022	Novel Materials for Environmental Remediation Applications: Adsorption and Beyond				185	205

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180.	Regubalan B., Chakkaravarthi S., Bhattacharya B., Pandit P.	Starch-based bio nanocomposites for food packaging applications	2022	Bionanocomposites for Food Packaging Applications				201	215
181.	Gokul M., Anisha M., Reshmi C.K., Sathish S.M., Meghana P., Pandi S.G.	Piezoelectric Energy Harvest for Wearable Devices	2022	International Conference on Edge Computing and Applications, ICECAA 2022 - Proceedings				873	877
182.	Gokul M., Mohana M., Manikandan A., Gokulnath C., Geetha Aanandhi C., Yamini Priya S.	An Electronic Simulator based Rehabilitation Chair for Osteoarthritis Back and Neck Pain Management	2022	International Conference on Edge Computing and Applications, ICECAA 2022 - Proceedings				906	911
183.	Paul E.M., Perumal B.	Computer-Aided Diagnosis using Hybrid Technique for Fastened and Accurate Analysis of Tuberculosis Detection with Adaboost and Learning Vector Quantization	2022	International Journal of Pattern Recognition and Artificial Intelligence			2240008		

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185.	Ashokkumar S.R., Premkumar M., Dhilipkumar P., Manikandan P., Naveen P., Saravanan M.	Application of Multi-Domain Feature for Automated Seizure Detection from EEG Signal	2022	3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 - Proceedings				280	285
186.	Naveen P., Manikandan P., Maragatharajan M., Ashok Kumar S.R., Saravanan M., Puviarasu A.	Traceability of Tea powder Supply Chain based on Hyperledger Fabric	2022	3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 - Proceedings				303	307
187.	Prabhu G.J., Perumal B., Jarin T.	A Composite Medical Image Optimization Scheme Using Honey Encryption and Antlion Algorithms for Secured Diagnostic Systems	2022	International Journal of Pattern Recognition and Artificial Intelligence			2240004		
188.	Sampson J., Sivakumar P., Velmurugan S.P., Ashokkumar S.	Effect of Work Function Tuning over the Device Characteristics of GAA SNSTFT	2022	Silicon					

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190.	Ramesh G., Swamy B.P.R., Manikandan P., Kumar B.R., Amruth M.S.S.D., Satyanarayana Ch.M.V.	Microcontroller based Wheel Alignment and Compulsion Scrutinizing System	2022	International Conference on Edge Computing and Applications, ICECAA 2022 - Proceedings				1700	1704
191.	Vairavel M., Girimurugan R., Shilaja C., Loganathan G.B., Polat Z.	Analysis of hybrid electrical vehicles: Types, formulation and needs	2022	AIP Conference Proceedings	2452		30005		
192.	Vairavel M., Girimurugan R., Shilaja C., Loganathan G.B., Kumaresan J.	Modeling, validation and simulation of electric vehicles using MATLAB	2022	AIP Conference Proceedings	2452		30006		

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194.	Singh Solanki B., Kumawat R., Srinivasan S.	Optimal switching control design for industrial networked control system with uncertain exogenous dynamics	2022	Materials Today: Proceedings					
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