

QUARTERLY NEWSLETTER III

JULY 2022 - SEPTEMBER 2022



KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION

(Deemed to be University)

Anand nagar, Krishnankoil-626126.

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1. GENERAL

PARTICIPATION IN RANKING AND ACCREDITATIONS

- On 15th July 2022 KARE has been ranked in NIRF 2022 as Follows:
 - University Category - 35
 - Engineering Category - 39
 - Overall Category - 50



MoU

S. no	MoU No	Name of the institution/ industry/ corporate	Country	MoU Date
1.	Mou-82	Sharada University	India	01.07.2022
2.	Mou-23 A	Cracow University of Technology, Poland	Poland	22.07.2022
3.	Mou-84	Skill Lync	India	28.07.2022
4.	Mou-80	Push GENI -Russia	Russia	01.08.2022
5.	Mou-81	Univo Education Pvt Ltd	India	01.08.2022
6.	Mou-87	Jyoti Nivas college	India	04.08.2022
7.	Mou-97	Virutsa Consulting Services Private Ltd	India	04.08.2022
8.	Mou-85	Kanini Softwares	India	01.09.2022
9.	Mou-86	University of Islam Indonesia	Indonesia	01.09.2022
10.	Mou-83	RVS Padmavathy College of Horticulture	India	07.09.2022
11.	Mou-88	Kanazawa University in Japan	Japan	10.09.2022
12.	Mou-89	KMCH AND AKCP	India	15.09.2022
13.	Mou-90	Hajee Karutha Rowthar Howdia College	India	19.09.2022
14.	Mou-94	Arul Anandar college, Madurai	India	20.09.2022
15.	Mou-98	L&T	India	29.09.2022

2. ACADEMICS

FACULTY DEVELOPMENT PROGRAMS ORGANIZED

S. No	Title	Department/ School	Date(s)	No. of Participants
1.	Expanding Horizon of Downstream Processing	SBCE	04.07.2022 to 08.07.2022	28
2.	Applications of Bioprocess Engineering	Food Technology	04.07.2022 to 08.07.2022	35
3.	Contemporary in Thermal Energy and Fluids	SMACE	04.07.2022 to 08.07.2022	25
4.	Mathematical and Statistical Approach to Data Science and Machine Learning	Computer Applications	04.07.2022 to 08.07.2022	50
5.	Research Advances in Computational and Application of Functional Materials	Physics	04.07.2022 to 10.07.2022	37
6.	Mathematical Approach of Machine Learning Algorithms	Mathematics	04.07.2022 to 10.07.2022	54
7.	Data Visualization and Analytics	Computer Science and Engineering	06.07.2022 to 09.07.2022	10
8.	Descriptive Analytics	Computer Science and Engineering	06.07.2022 to 09.07.2022	11
9.	Data Visualization and Analytics	Computer Science and Engineering	06.07.2022 to 09.07.2022	10
10.	Digital Forensics	Computer Science and Engineering	11.07.2022 to 13.07.2022	8
11.	Big Data	Computer Science and Engineering	11.07.2022 to 13.07.2022	9
12.	Digital Forensics	Computer Science and Engineering	11.07.2022 to 13.07.2022	8
13.	Computational Linguistics and Natural Language Processing	Computer Science and Engineering	12.07.2022 to 15.07.2022	11
14.	Algorithms for Intelligent Systems and Robotics	Computer Science and Engineering	12.07.2022 to 15.07.2022	11
15.	Algorithms for intelligent Systems and Robotics	Computer Science and Engineering	12.07.2022 to 15.07.2022	11
16.	IT Data Security	Computer Science and Engineering	13.07.2022 to 14.07.2022	7
17.	OOPS/ Data structure using python And Data Modelling for AI	Electronics and Communication Engineering	14.07.2022 to 15.07.2022	20
18.	Predictive Analytics	Computer Science and Engineering	15.07.2022 to 16.07.2022	11
19.	Predictive Analytics	Computer Science and Engineering	15.07.2022 to 16.07.2022	11
20.	Science Exhibition for School Students	Information Technology	28.08.2022 to 31.08.2022	1000

PARTICIPATIONS OF FACULTY MEMBERS IN CONFERENCES, SEMINARS AND WORKSHOPS

No	Department	Participants
1.	Architecture	5
2.	Aeronautical Engineering	2
3.	Agriculture	1
4.	Biotechnology	15
5.	Biomedical Engineering	3
6.	Business Administration	4
7.	Chemical Engineering	1
8.	Chemistry	7
9.	Civil Engineering	3
10.	Commerce	78
11.	Computer Science and Engineering	15
12.	Computer Applications	15
13.	CS&IT	12
14.	Electronics and Communication Engineering	59
15.	Electrical and Electronics Engineering	2
16.	English	4
17.	Food Technology	11
18.	Mathematics	9
19.	Mechanical Engineering	15
20.	Physics	2
21.	Social Work	1

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 Bio and Chemical Engineering	41
2.	School of Computing	842
3.	School of Electronics and Electrical Technology	43
4.	School of Advanced Sciences	14

ALUMNI ENGAGEMENT

S. No	Department	Event Name	Date	No. of Participants
1.	Aeronautical Engineering	Engineers Day 2022	15.09.2022	30
2.	Chemistry	Alumni Engagement	29.09.2022	52
3.	Information Technology	Implication on AI and ML in Modern Chatbots	30.09.2022	66

AWARDS RECEIVED BY ALUMNI

S. No	Name of the Alumni	Department	Event Name	Date	Hosted by
1.	Aakash. S	Architecture	Architecture Reconnect Summit	16.09.2022	Global business Reconnect

PARTICIPATIONS OF STUDENTS IN WORKSHOP / SYMPOSIUM/ SEMINAR/ CONFERENCE

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
1.	Sankar Ganesh R (992022025)	Commerce	Webinar	09.07.2022	Capital Market in celebration, 2022
2.	Meena Kasthuri A, (9921146005) Raja Yogha S, (9921146010)	CS&IT	Webinar	11.07.2022	Career Building with Upskillz
3.	Padmavathi V (9919011011) Shrisha J (9919011012) Albin Shoy (9920011003) Alka James (9920011004) Aswani S (9920011005) Balasubramanyam (9920011006) Akshaya Nair (9920011042) Agritha (9920011066)	Food Technology	Webinar	16.07.2022	Packaging Integrity on Tetra packaging

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
	Sulu Fathima (9920011038)				
	Viju S (9920011034)				
	Varsha T S (9920011033)				
	Sujitha Malar (9920011031)				
4.	Sankar Ganesh R (992022025)	Commerce	Webinar	21.07.2022	Influencer marketing – the way ahead
5.	Adhithyan R, (9921146001)	CS&IT	Workshop	25.07.2022 to 31.07.2022	Data Learning for Anomaly Detection in Social Networks
	Irfan Ahamed Essa (9921146003)				
	Jefferson Roosevelt K, (9921146009)				
	Manibharath R, (9921146004)				
6.	Palle Prathyusha (9921005039),	Electronics and Communication Engineering	Workshop	01.08.2022 to 05.08.2022	Designing and Modelling of IoT, AI and ML systems
	Nagayapalli Shaheen (9921005033)				
	Malle Ashalatha (9921005024)				
	Mohamed Anwar M (9921005029)				
	V. Mayuri (9921005051)				
	M. Rekha Reddy (9921005025)				
	Chinnam Sai Chandu (9921005005)				
	Eswaran M (9921005011)				
	M. Jitendra (9921005026)				
	P. Adithya Sri Sai (9921005059)				
	S. Manikandan (9921005027)				
	G. Bharath Reddy (9921005013)				
	Mancha Harindra (9921005058)				

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
	K. Naga Manikanta (9921005055)				
	K. Pavan Kumar (9921005019)				
	P V Krishna Reddy (9921005038)				
7.	19 (UG and PG Physics students)	Physics	Workshop	05.08.2022 to 06.08.2022	"Atoms" – Awareness Program
8.	All 2 nd , 3 rd , 4 th year and PG students	Aeronautical Engineering	Workshop	06.08.2022	UAV Workshop
9.	Harrish M (9919001022)	Biotechnology	Workshop	22.08.2022 to 23.08.2022	Basic Animal Cell Culture Techniques
	Sruthi S (9919001050)				
	Amrith. R (9919001006)				
10.	A. Muthumala (9921021027)	Commerce	Conference	25.08.2022 to 26.08.2022	Issue of Sri Lankans
	S. Brindha (9921021025)				
11.	Boligarla Vinay (9919002001)	Chemical Engineering	Conference	26.08.2022 to 27.08.2022	National Conference on "Environmental Engineers" and National Conference on "Technology for Green Fire Works Holistic approach towards Environmental Challenges"
12.	P. Babysudha (9920116023)	Computer Applications	International Conference	29.08.2022 to 30.08.2022	Recent Trends in Information Technology and its Application
13.	Boligarla Vinay (9919002001)	Chemical Engineering	Workshop	03.09.2022	Flow assurance workshop on "Well Cold Restart Analysis using OLGA Simulation, Alchemical"
14.	Sai Kumar (9919005100)	Electronics and Communication Engineering	International Conference	09.09.2022 to 10.09.2022	International Conference on "Advanced Computing and Informatics (ICACI 2022)"
15.	All 2 nd , 3 rd , 4 th year and PG students	Aeronautical Engineering	Seminar	12.09.2022	Experimental Investigation of Hypersonic Unsteady Flow Field in Leading Edge Separation
16.	Boligarla Vinay (9919002001)	Chemical Engineering	International Conference	15.09.2022 to 16.09.2022	International Conference on "Green Energy and Sustainable Environmental Technology"
	Mukesh Kumar V (9822002001)				
	Agnes Melwin (9921002001)				
	Priyadharshini. D				

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
	(9921002002)				
	Mohamed Shadik (9921002006)				
	Pasala Harish (9921002007),				
	Karan K Unni (9921002009)				
	Vignesh S (9920002006)				
17.	I-Year (9922027001-9922027032)	Visual Communication	Workshop	16.09.2022	Understanding Films through Camera Lens
	II-Year (9921027002-9921027011)				
	III-Year (9920027001-9920027020)				
18.	S. Jeshi Surekha (9921021006)	Commerce	Conference	21.09.2022 to 22.09.2022	Dairy Entrepreneurship Development Scheme
19.	S. Brindha (9921021025)	Commerce	Conference	21.09.2022 to 22.09.2022	Pradan Mantri Mudra Yojana (PMMY)
20.	A. Muthumala (9921021027)	Commerce	Conference	21.09.2022 to 22.09.2022	Multiplier Grants Scheme
21.	Madhan M (9820003003)	Civil Engineering	One Day National Level Seminar	24.09.2022	Opportunities for Civil Engineers in Valuation
	Arunkumar S (9919003001)				
	Chundu Sai Teja (9919003003)				
	Esakki Mari G (9919003005)				
	Faisal Fayaz (9919003006)				
	Gowtham J (9919003008)				
	Kardam Kumar (9919003011)				
	Karpakapriya M (9919003012)				
	Kunche Lokesh (9919003013)				
	Mylaram Nikhil (9919003015)				

S. No	Student Name with Register No	Department	Program Name	Date	Event Name
	Nishanth Kumar S (9919003016)				
	Panjagala Suresh Kumar (9919003017)				
	Ramguhan A (9919003018)				
	Sabarigirivasan M (9919003020)				
	Challa Venkata Sai Akash Reddy (9919003021)				
	Baiti Kishan (9919003023)				
	Atla Veera Mohan Reddy (9919003024)				
	Inaganti Manikantaeswara Reddy (9919003025)				
	Saron Jeferi A (9919003028)				
22.	Mohamed Murshith Kamil S (9921126004)	Chemistry	International Conference	25.09. 2022	Biomedical International Conference
23.	R. Ponnu Durai (9921022031)	Commerce	International Conference	29.09.2022 to 30.09.2022	Innovative Multidisciplinary and Contemporary Perspectives and Practices in Commerce and Management
	Sankar Ganesh R (992022025)				
24.	Meena Kasthuri A, (9921146005)	CS&IT	Workshop	29.09.2022 to 30.09.2022	Research Methodology
	Gengadevi A, (9921146002)				
	Raja Yogha S, (9921146010)				

INTERNSHIP

S. No	Department	Internship Type	Date	No of Students	Company Name
1.	Food Technology	Practical Training	01.05.2022 to 30.06.2022	14	Parle Agro Pvt Ltd
2.	Food Technology	Practical Training	01.05.2022 to 30.06.2022	6	UBERRY International Pvt Ltd
3.	Food Technology	Summer	01.05.2022	2	ITC Foods Division

S. No	Department	Internship Type	Date	No of Students	Company Name
		Internship	to 30.06.2022		
4.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	5	UNIBIC Foods India Pvt Ltd
5.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	2	Manna Foods Pvt Ltd, Madurai
6.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	3	Crust n Crumb Food Innovations India LTD
7.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	Calpro Foods Pvt. Ltd
8.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	TRCMPU Ltd
9.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	Sangam Milk Producer Company Ltd
10.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	11	Aavin Milk, Srivilliputtur
11.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	5	Jersey Creamline Dairy Products Pvt Ltd
12.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	3	Elite Foods Pvt Ltd
13.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	Heritage Foods Limited
14.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	International Bakery Products Ltd
15.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	Matha Foods (Pasupala Foods Pvt Ltd
16.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	3	V.V.V & Sons Edible Oils Ltd, Virudhunagar
17.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	Sri Vyshnavi Dairy Pvt. Ltd
18.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	ABC Fruits

S. No	Department	Internship Type	Date	No of Students	Company Name
19.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	Aachi Masala
20.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	SKM Egg Products Export India Limited
21.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	Narmul Mother Dairy
22.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	NSR Dairy Products
23.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	1	Milma
24.	Food Technology	Summer Internship	01.05.2022 to 30.06.2022	2	Rhema Milk Producer Company Ltd
25.	Chemical Engineering	Offline	23.06.2022 to 06.07.2022	3	NLC India Limited
26.	Chemical Engineering	Offline	27.06.2022 to 11.07.2022	8	Regional Coffee Research Station, Thandigudi.
27.	Chemical Engineering	Offline	28.06.2022 to 13.07.2022	3	Foster Hot Bread, KINFRA Food Park, Malappuram
28.	Chemical Engineering	Online	01.07.2022 to 20.08.2022	2	IICChE, Kolkata
29.	Electronics and Communication Engineering	Internship	01.07.2022	11	AICTE
30.	Electronics and Communication Engineering	Industrial Training	01.07.2022	4	Crisco
31.	Electronics and Communication Engineering	Industrial Training	02.07.2022	4	Native Sparrow Solutions
32.	Electronics and Communication Engineering	Industrial Training	03.07.2022	24	Aadhi Solar Solutions
33.	Electronics and Communication Engineering	Industrial Training	03.07.2022	2	Tevatron Technologies Pvt Ltd
34.	Electronics and Communication Engineering	Internship	04.07.2022	22	NSIC
35.	Electronics and Communication Engineering	Industrial Training	05.07.2021	4	Uniconverge Technologies
36.	Electronics and Communication Engineering	Industrial Training	05.07.2022	8	STEMROBO
37.	Commerce	Human Resource	18.07.2022	1	Hyundai Mobis India Pvt.

S. No	Department	Internship Type	Date	No of Students	Company Name
		Trainee	to 30.07.2022		Ltd., Irrungattukottai
38.	Commerce	Human Resource Trainee	18.07.2022 to 30.07.2022	1	Hyundai Mobis India Pvt.Ltd.,
39.	Chemical Engineering	Offline	29.07.2021 to 11.08.2021	2	NTPL, Thoothukudi
40.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Design Atelier
41.	Architecture	Practical Training	01.08.2022 to 30.10.2022	2	Audisons
42.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Innate architects
43.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Svasthu
44.	Architecture	Practical Training	01.08.2022 to 30.10.2022	2	Milestones Studio
45.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Mudbricks
46.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Aoin
47.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	MYN architects
48.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	The Kosh studio
49.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Arkidio Deziqn Group
50.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Shiyam associates
51.	Architecture	Practical Training	01.08.2022 to 30.10.2022	2	Archezium
52.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Paari design studio



S. No	Department	Internship Type	Date	No of Students	Company Name
53.	Architecture	Practical Training	01.08.2022 to 30.10.2022	2	ISRA groups
54.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Continental Designers
55.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Foaid
56.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Landart
57.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	IGN
58.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Spacemush
59.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Spaceplay
60.	Architecture	Practical Training	01.08.2022 To 30.10.2022	1	ARK
61.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Zionarch
62.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Akshayajain
63.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Design with buddhi
64.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Kiranvens Architects
65.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Karvin design consultants
66.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Paari design studio
67.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Jawahar associates
68.	Architecture	Practical Training	01.08.2022 to	1	Arch firm

S. No	Department	Internship Type	Date	No of Students	Company Name
			30.10.2022		
69.	Architecture	Practical Training	01.08.2022 to 30.10.2022	1	Sankalpan
70.	Master of Social Work	Field Practicum - III	09.08.2022 to 08.11.2022	3	Government Hospital, Srivilliputtur
71.	Master of Social Work	Field Practicum - III	09.08.2022 to 08.11.2022	2	Pioneer Press Pvt Ltd, Sivakasi
72.	Master of Social Work	Field Practicum - III	09.08.2022 to 08.11.2022	2	Bell Printers, Sivakasi
73.	Master of Social Work	Field Practicum - III	09.08.2022 to 08.11.2022	2	Sri Ganga Parameswari Spinners Mill, Vanniyampatti
74.	Master of Social Work	Field Practicum - III	09.08.2022 to 08.11.2022	2	C.S.I School, Sivakasi
75.	Electronics and Communication Engineering	Industrial Training	22.08.2022	3	Brand Zappy
76.	Electronics and Communication Engineering	Industrial Training	25.08.2022	18	Nineteen Hour IT Pvt Ltd.
77.	Commerce	Trainee	12.09.2022 to 09.10.2022	1	Surendra Infrastructure Pvt. Ltd., Anadman & Nicobar Islands
78.	Electronics and Communication Engineering	Industrial Training	19.09.2022	16	Native Sparrow Solutions

STUDENTS ACHIEVEMENTS

- Boligarla Vinay (9919002001), Niraj Rambhau Sumatkar (9920002010) and Raghuram Shankar R (9920002003) selected for **International Internship** Program at **College of Engineering, National Chung Cheng University (CCU), Taiwan**.
- Carmel Pavithra Kolukula (9919004045) selected for **International Internship** Program at **MITACS Globalink, Canada**.
- Mohamed Murshith Kamil S received **2nd prize in Oral presentation** at **Biomedical International conference** held on 25.09.2022 in Jaipur through hybrid mode.

MASTER'S PROGRAM IN ABROAD

	Ms. G. Gopikrishna Department of Biological Science University of Cologne Germany
	Ms. Sandra Babu Erasmus Mundus Fellowship for Biological and Chemical Engineering for sustainable Bioeconomy (BIOCEB) France, Estonia and Belgium

STUDENTS PROJECT RECEIVED

S. No.	Student Name	Title of the Proposal	Agency	Supervisor
1.	Mohamed Ibrahim K / MSc. Chemistry II year	Synthesis and characterization of lithium garnet-based materials for application in lithium-ion based electrochemical power sources	TNSCST	Dr. A. Samson Nesaraj
2.	Mohamed Murshith Kamil S/ MSc. Chemistry II year	Large Scale Bioremediation of Effluent Contaminated with Toxic Chemicals Using Azolla Microphylla	TNSCST	Dr. K. K. Praneeth
3.	Issathul Riswan M/ MSc. Chemistry II year	Design And Synthesis of Cu-Based Multi-Metal Electrocatalysts for Efficient CO ₂ Reduction Technology	TNSCST	Dr. K. K. Praneeth
4.	T. Praneeth Krishna, D. Sai Anvesh Varma, A. Hemavardhan and Venkata Manikanta Ajay P / B. Tech ECE III year	Automatic drainage cleaner	TNSCST	Dr. B. Perumal
5.	Boligarla Vinay Prabhu M / B. Tech Chemical Engineering IV year	A novel jacketed tumbling homogeneous powder mixer for hazard prevention in fireworks	TNSCST	Dr. V. Aruna Janani
6.	G. Lyones beski, A. Surya Prakash, S. Swaminathan and M. Amarnath / B. Tech	Design and fabrication of automated fire tender system using GPS for industrial sectors	TNSCST	Mr. T. Rajpradeesh

S. No.	Student Name	Title of the Proposal	Agency	Supervisor
	Mech III year			
7.	Ramguhan A, Rubanraj C, Nishanth Kumar S and Gowtham J / B. Tech Civil Engineering III year	Studies on arriving effective disposal methods for fire crackers waste in and around of Sivakasi Regions	TNSCST	Dr. PL. Meyyappan

SPORTS ACHIEVEMENTS

1. KARE **SWIMMER Mr. A.K. JAYANTH**, II B. TECH MECH participated in the 1st Tamil Nadu **State** Fin Swimming Meet – 2022 and won **Gold -2 Nos, Silver -1 No**, organized by Salem District Fin Swimming Association held at Salem on 09th July 2022.
2. KARE **BOXING** Men Team has participated in the 1st **State** Invitation Boxing Competition – 2022 and won **Gold – 1 No, Silver -2 Nos and Bronze- 3 Nos**, organized by Dindigul District Boxing Association, Dindigul held at Pannai Group of Institutions on 30th & 31st July 2022.
3. KARE **KABADDI** Men Team has participated in the 10th State Level Open Kabaddi Tournament and won **Championship Trophy** organized by Amman Kabaddi Club, Tenkasi on 05th & 06th August 2022.
4. KARE **KARATE** Athlete **Mr. A. SURENDAR II MBA** has participated in the **All India Karate** Championship – 2022 and won **GOLD** Medal organized by Japan Shito – RYU Karate School, Thiruvannamalai from 05th to 07th August 2022.
5. KARE **TAEKWONDO** Men & Women team has participated in the 34th Tamil Nadu **State** Taekwondo Championship- 2022 and won **Gold – 1 No & Bronze – 3 Nos** organized by District Taekwondo Association, Kanyakumari from 18th to 22nd August 2022.
6. KARE **KARATE** Athletes **Mr. A. SURENDAR**, II MBA and **Ms. POMMAYAN THILEJA**, B. Tech III CSE participated in the GOJU – RYU **International Open** Karate Championship India – 2022 and won **Gold Medal - 2 Nos** organized by Okinawa Goju – RYU Karate – Do Federation India – Okinawa Goju – RYU Karate – Do Association, Salem on 20th to 22nd August 2022.
7. KARE **BOXING** student **Mr. A. HRITHICK RAM**, III BBA participated in the Tamil Nadu South Zone Boxing Championship - 2022 and won **Silver Medal**, organized by Thoothukudi Boxing Association & Blue Boxing Club, Thoothukudi on 28th August 2022.
8. KARE **VOLLEYBALL** Men team participated in the Open State Level Volleyball Tournament and won **Championship Trophy and Cash Award Rs.10, 000 /-** organized by Rotary Club of Madurai Pandian, Madurai on 24th & 25th September 2022.
9. KARE **VOLLEYBALL** Men team participated in the Open **South Zone Tamil Nadu** Volleyball Tournament and won **Championship Trophy** organized by Pioneer Kumaraswamy College, Nagercoil on 29th & 30th September 2022.

ACTIVITIES OF NATIONAL SERVICE SCHEME & UNNAT BHARAT ABHIYAN

S. No	Name of the Activity	Date(s)
1.	Clean India Awareness Program	16-07-2022
2.	Tree Plantation and Cleaning Program	16-07-2022
3.	Distribution of Flags at Pillaiyarnatham Village and Govt. School	06.08.2022
4.	Event conducted for the celebration of Azadi Ka Amrit Mahotsav	06.08.2022 to 13.08.2022
5.	Essay Competitions	08.08.2022
6.	Drawing Competitions	10.08.2022
7.	Singing Competitions	11.08.2022
8.	Rangoli Competitions	12.08.2022
9.	Fit India Rally	13.08.2022
10.	Awareness Rally Program on Forest Protection, Cleaning activity at Senbagathoppu	13.08.2022
11.	Awareness programme to the students to link Aadhar Number with Voter ID	16.08.2022
12.	Observance of former Prime Minister Rajiv Gandhi's Birth anniversary - Pledge	18.08.2022
13.	Awareness knowledge building event on Biomedical waste treatment	20.08.2022
14.	Blood donation camp in association with Madurai Meenakshi Hospital	03.09.2022
15.	Tree Plantation	17.09.2022
16.	NSS Day Celebration	23.09.2022



Clean India Awareness Program



Tree Plantation and Cleaning Program



Awareness Rally Program



Awareness programme for the students to link Aadhar Number with Voter ID



Blood donation camp in association with Madurai Meenakshi Hospital



Tree Plantation



NSS Day Celebration

ACTIVITIES OF NCC

INDEPENDENCE DAY CELEBRATION

To mark the 76th anniversary of India's 'tryst with destiny' on 15th August 2022, Kalasalingam Academy of Research and Education celebrated the Independence Day to re-experience the spirit of patriotism and to honor the glorious past of our country. The celebration began with the arrival of Redt. Col. Baskaran. The Chief guest was escorted by the NCC cadets to the venue following which he unfurled the tricolor followed by the national salute by all the cadet and the faculty members. Then the chief guest said the pledge for the people. The chief guest also honored the promoted NCC cadets. With social distancing and safety measures the Independence Day was celebrated.



Independence Day Celebration

Honoring SGT. Manjunath

SGT. Manjunath Reddy participated in the National Level Thal Sainik Camp. He is the first KARE cadets to participate in TSC and 3rd KARE cadet to participate in National level camp. On the account of this, SGT. Manjunath Reddy was appreciated by the KARE management.



ACTIVITIES OF PHYSICAL EDUCATION

S. No	Name of the Event	Date
1.	KARE organized Inter District Table Tennis Championship 2022	11.07.2022 to 13.07.2022
2.	10 th Open State Level Kabaddi Tournament	05.08.2022 & 06.08.2022
3.	All India Karate Championship - 2022	05.08.2022 to 07.08.2022
4.	34 th Tamil Nadu State Taekwondo Championship	18.08.2022 to 22.08.2022
5.	International Open Karate Championship- India	20.08.2022 to 22.08.2022
6.	National Sports Day - awareness program for Karate (Self Defense)	29.08.2022
7.	Tamil Nadu State Level Taekwondo Kyorugi & Poomsae Championship - 2022	02.09.2022 to 04.09.2022
8.	Open State Level Volleyball Tournament	24.09.2022 & 25.09.2022
9.	Inter Collegiate Volleyball Tournament South Zone, Tamil Nadu	29.09.2022 & 30.09.2022

ACTIVITIES OF YOUTH RED CROSS

YOUTHMANIA was organized by Youth Red Cross, KARE and inaugurate the Youth Red Cross Club2K21 on 17.09.2022 at Dr. Vasudevan Seminar Hall, KARE. 420 students participated in this event. This mega event is organized to create awareness about the voluntary service and to explain the list of activities that will be conducted throughout the academic year 2022-2023 including Blood camp, YuReCa, Motivational speech and so on.



BLOOD DONATION CAMP

Blood Donation Camp was conducted on 17th September 2022 at Kalasalingam Medical College. The camp was organised by Youth Red Cross in collaboration with the Government Hospital, Rajapalayam. More than 214 members donated blood on at Kalasalingam Medical College.



ACTIVITY OF PHOTOGRAPHY

FOTOGRAFIA

Fotographia'22 was organized by photography club on 03.09.2022. Fotografia is an Intra university event in which only photography members will participate. Fotografia is conducted with 4 themes on technical and 3 themes on a non-technical event. Total 193 students participated in the event. Dr. M. Muthukannan, Director student affairs presided over the function. Mr. Sugumar, JCO, Indian army lighted the lamp along with Dr. Muthukannan, Director - Student Affairs. During the valedictory function, Dr. M. Muthukannan, Director student affairs distributed the certificates and prizes to the winners of the event.



ACTIVITY OF GREEN ARMY

VEHICLE FREE DAY AND GREEN DAY

An Event was conducted on the topic "Vehicle Free day and Green day" inside the campus on 30th of July 2022 from 11:00 am to 3:00 pm.



ACTIVITIES OF TAMIL MANDRAM

MILIR'2022

Tamil Mandram has celebrated 13th year Inaugural of Tamil Mandram in the name of MILIR'2022 event on 20.08.2022 (10.00 am) at Dr. K.S. Krishnan Auditorium. Ms. S. Aruneshwari, Tamil Mandram Member, welcomed the dignitaries on and off the stage. Dr. C. Sangeetha, coordinator, Tamil Mandram delivered a Keynote address. Honorable Registrar Dr. V. Vasudevan delivered a special address and around 500 students participated in this event and students proved their talents in events like Meme Contest, Literature, Macrography, Dance, Puzzle, Gaming. Dr. M. Muthukannan, Director Students Affairs honored the winners with medals and certificates on the day of the celebration. The programme came to a close with a vote of thanks proposed by Mr. Santhosh Kumar Tamil Mandram President.



MILIR'2022

AGARAM 2022

Tamil Mandram has conducted Agaram'2022 Event on 23.09.2022 (10am) at Dr. V. Vasudevan Seminar Hall. Mr. M. Sakthi Kumar, 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. Dr. S. Viji, Dean, Kalasalingam school of Business delivered a Special address Around 400 students participated in this event and students proved their talents in events like Dance, Music, Singing, Silambam, Gaming and Varsity events. Dr. M. Muthukannan, Director Students Affairs honored the winners with medals and certificates on the day of the celebration. The programme came to a close with a vote of thanks proposed by Ms. S. Azhagu Meera Tamil Mandram Joint Treasurer.



AGARAM 2022




4. RESEARCH

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

S. No	Title	Department	Date	No. of Attendees
1.	Faculty Training Program on "Teaching of Mathematics"	Mathematics	02.07.2022	38
2.	Faculty Training Program on "VLSI CAD Design / Automation, Verification and Physical Design"	Electronics and Communication Engineering	05.07.2022 to 07.07.2022	75
3.	Three Days Faculty Training Program on "Full Stack Web Development"	Information Technology	06.07.2022 to 08.07.2022	50
4.	Faculty Training Program on "IoT – Sensors and Devices"	Electronics and Communication Engineering	07.07.2022 to 11.07.2022	68
5.	Faculty Training Programme on "E-Vehicle Technology"	Electrical and Electronics Engineering	14.07.2022 to 15.07.2022	63
6.	Faculty Training Programme on "5G Wireless Communication Technology"	Electrical and Electronics Engineering	28.07.2022 to 30.07.2022	40
7.	Guest Lecture on "Industrial Robotics"	Mechanical Engineering	30.07.2022	40
8.	Guest Lecture on "Role of Biomedical Engineers in healthcare Industries"	Biomedical Engineering	04.08.2022	80
9.	BeeTrix, Natures Club,	Agriculture	10.08.2022	200
10.	Entrepreneurship Development on "Rural Agrarian Transformation"	Agriculture	14.08.2022	59
11.	Guest Lecture on "Higher Educational Opportunities for Science Graduates in USA"	Chemistry	17.08.2022	87
12.	Workshop on "Animal Cell Culture"	Biotechnology	22.08.2022 to 23.08.2022	15
13.	Workshop on "Financial Awareness and Consumer Training for Youth India"	Commerce	22.08.2022 to 26.08.2022	110
14.	Guest Lecture on "FSSAI Licensing and its Benefits"	Food Technology	26.08.2022	185
15.	Guest Lecture on "Role of Incubation Centre for the Start-up"	Food Technology	26.08.2022	185
16.	Guest Lecture on "Trending Startup Ideas in Food and Agri Sectors"	Food Technology	27.08.2022	185
17.	Guest Lecture on "Business Model Development"	Food Technology	27.08.2022	215
18.	Guest Lecture on "KBS Ignite Series"	Business Administration	05.09.2022	208

S. No	Title	Department	Date	No. of Attendees
19.	Guest Lecture on "Landscape Architecture"	Architecture	14.09.2022	100
20.	Guest Lecture on "Super Password"	Mathematics	15.09.2023	40
21.	Guest Lecture on "Calculus and its Applications"	Mathematics	19.09.2023	40
22.	Guest Lecture on "Beat the Clock"	Mathematics	19.09.2023	40
23.	Guest Lecture on "Where are We in Today's World"	Mathematics	20.09.2023	40
24.	"NUTROFESTINO"-22	Food Technology	28.09.2022	210
25.	Workshop on "Online Trading"	Commerce	29.09.2022	170
26.	Guest Lecture on Employ Management at organization level	Social Work	27.10.2022	23

PHD VIVA- VOCE EXAMINATION DEFENDED BY FACULTY MEMBERS

Name of the Faculty Member and Department	Supervisor	Thesis title	Data of viva-voce examination
 Sumathy R, Department of Electronics and Communication Engineering	Dr. A. Muthukumar	Multi-Mode Signal Amplification by Fiber Amplifier with Elevated Refractive Index Profile in WDM Transmission Systems and Networks	13.07.2022
Jeya Prakash K, Department of Electronics and Communication Engineering 	Dr. P. Sivakumar	Optimization Algorithms for Thermal Aware Partitioning and Floor planning of 3D ICs	14.07.2022
 P. Nagaraj, Department of Computer Science and Engineering	Dr. P. Deepalakshmi	Development of an e-Healthcare Interpretation and Recommendation System for Diabetes Using AI- Based Techniques	19.07.2022

Name of the Faculty Member and Department		Supervisor	Thesis title	Data of viva-voce examination
Manikandan P, Department of Electronics and Communication Engineering		Dr. P. Sivakumar	Design and development of novel triangular based antennas for multiband wireless applications	21.09.2022

PROJECT GRANTS RECEIVED FROM GOVERNMENT AGENCIES

S. No	Principal Investigator	Title of the Project	Funding Agency	Sanctioned Amount (Rs)	Letter Number and Date
1.	Dr. T. Theivasanthi	Graphene/Sulphur composite as cathode for improved performance and life cycle of Lithium Sulphur batteries	MSME	1500000	17(2)/MSME Innovative/PM AC/2021-22 & 23.07.2022
2.	Dr. Murugeswari	Smart IoT Based Mushroom Cultivation and Edibility Prediction	MSME	1500000	17(2)/MSME Innovative/PM AC/2021-22 & 23.07.2022
3.	Dr. B. Perumal	MatsyaRakshak Multilingual IoT based Assist Device for Pisciculture farmers	MSME	1500000	17(2)/MSME Innovative/PM AC/2021-22 & 23.07.2022
4.	Dr. J. Deny	Smart India Hackathon 2022 Hardware Edition	MHRD Innovation Cell	1067000	1-1/IC/SIH-22/2021-22/11 & 17.08.2022

FACULTY AWARDS AND RECOGNITIONS

No	Faculty Name	Department	Awarding Agency	Award / Recognition	Date
1.	Dr. S. Shantkriti	Biotechnology	Sustainable Materials and Technologies for Bio and Energy Applications (SMTBEA 2022)	Best Paper Presentation Award	13.07.2022 to 15.07.2022
2.	Dr. S. Rani	Commerce	Novel Research Academy, Puducherry	International Best Women Faculty Award	08.08.2022
3.	Dr. Ashok Kumar Sahoo	Commerce	Ministry of MSME and Corporate Affairs, Govt. Of India	Young Researcher Award	13.08.2022
4.	Dr. G. Vishnuvarthanan	Biomedical Engineering	Mentor for McW	Academic Mentor for McW	16.08.2022
5.	Dr. K. Sundar	Biotechnology	MEPCO Schlenk Engineering College	Member, Academic Audit Team	20.08.2022

No	Faculty Name	Department	Awarding Agency	Award / Recognition	Date
6.	Dr. Shashi Kant Dargar	ECE	4 th International Academic and Research Excellence IARE 2022	Outstanding Young Researcher Award	27.08.2022
7.	Dr. G.E. Barkavi	Business Administration	Puducherry Research Institute of Management Education and Science	Best Professor Award	04.09.2022
8.	Dr. L. Muthulakshmi	Biotechnology	Research Education Solution Association with International School of Technology and Science	Young Women Researcher Award	05.09.2022
9.	Dr. S. Karthik	Commerce	National Foundation for Entrepreneurship Development	Senior Educator & Scholar Awardees	05.09.2022
10.	Dr. R. Kannan	Agriculture	KARE	Best NSS Programme Officer Award	23.09.2022

PATENT

S. No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
1.	Business Administration	Smart finance and accounting management model	Dr. Viji S	202211039516 A	09.07.2022
2.	Business Administration	An innovative paradigm for the digital transformation of organisational Financial management by using big-data technology	Dr. J. Prabhakaran	202241039555 A	09.07.2022
3.	Mechanical Engineering	Pet animals automatic bathing shower	Dr. S. Shasi Anand P. Jayakumar	202241041126 A	19.07.2022
4.	Mechanical Engineering	Patient resting bed with waist sliding support and collapsible head & leg Support	S. Shasi Anand P. Jayakumar	202241041115 A	19.07.2022
5.	Mechanical Engineering	Garbage collecting bin with swing action and auto opener lid	S. Shasi Anand P. Jayakumar	202241041116 A	19.07.2022
6.	Mechanical Engineering	Domestic mini goods hoisting device	S. Shasi Anand P. Jayakumar	202241041117 A	19.07.2022
7.	Mechanical Engineering	Movable apparatus for radiographs	S. Shasi Anand P. Jayakumar	202241041119 A	19.07.2022

S. No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
		viewing with auto selective Illumination			
8.	Mechanical Engineering	Dustbin collector with automatic lid opening & tilting with raising Pedestal	S. Shasi Anand P. Jayakumar	202241041118 A	19.07.2022
9.	Mechanical Engineering	Modern electric fuse to avoid electric arc to ensure safety in a motor vehicle	Dr. P. Ramkumar	202241043385 A	28.07.2022
10.	Computer Application	Designing an artificial intelligence module for analyzing six sigma based approaches to business practices in manufacturing, services, and production	Kalpanadevi D	202241045393 A	09.08.2022
11.	Computer Science and Engineering	Artificial intelligence and IoT based automatic smart healthcare system to prevention and detection of dengue, malaria and other types of viral fevers using data mining and deep learning algorithms	Dr. S.J. Subhashini	202221045776 A	10.08.2022
12.	Business Administration	Impact of the 4 th industrial revolution in the success of the digital transformation of the retail sector	Mr. B. Eswaran	202211045817 A	11.08.2022
13.	Computer Science and Engineering	Deep learning based automatic prevention and detection of brain tumor using image processing, data mining and machine learning algorithms for smart healthcare system	Dr. S.J. Subhashini	202221046139 A	12.08.2022

S. No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
14.	Computer Science and Engineering	Smart wearables using artificial intelligence to keep women safe	Dr. Jayalakshmi Murugan Dr. K. Maharajan Dr. A. Pandiaraj	202241049117 A	29.08.2022
15.	Mechanical Engineering	Vegetable washing machine automatic drum cleaner	S. Shasi Anand P. Jayakumar	202241049359 A	30.08.2022
16.	Mechanical Engineering	Protective temporary shelter for parking motor bikes	S. Shasi Anand P. Jayakumar	202241049360 A	30.08.2022
17.	Mechanical Engineering	Design and fabrication of flexible drilling machine	S. Shasi Anand Dr. S. Bathrinath	202241049361 A	30.08.2022
18.	Mechanical Engineering	Automatic volley ball throwing machine for practice	S. Shasi Anand P. Jayakumar	202241049362 A	30.08.2022
19.	Mechanical Engineering	Parking cabin for two-wheeler with foot operated hydraulic lifting	S. Shasi Anand P. Jayakumar	202241049363 A	30.08.2022
20.	Computer Science and Engineering	A robotic pool skimmer unit	Dr. J. Thimmia Raja	348760-001	02.09.2021
21.	English	The impact of social media on student's education	Dr. Aravind B R	202241050146 A	02.09.2022
22.	Biotechnology	An intelligent sensor based Biodegradable waste collection Unit	Dr. K. Vasumathi Dr. G. Nadana Raja Vadivu Dr. K. Jyothi	349187-001	08.09.2021
23.	Commerce	Human resources management through HR analytics and artificial intelligence	Ashok Kumar Sahoo	202241052281 A	13.09.2022
24.	Commerce	The Mediating Role of Brand Awareness in Relationship between Social Media Marketing strategies and Purchase intention of Consumers using Structural Equation Modeling Algorithm	Dr. S. Karthik	202241053270 A	17.09.2022
25.	Commerce	Green finance and green banks: the future of sustainable	Ashok Kumar Sahoo	202221053822 A	20.09.2022

S. No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
		banking in India			
26.	Mechanical Engineering	Portable PVC Foot Operable Water Dispenser	S. Shasi Anand P. Jayakumar	202241054245 A	22.09.2022
27.	Mechanical Engineering	Non label identification with automatic sorter robot system	S. Shasi Anand P. Jayakumar	202241054246 A	22.09.2022
28.	Mechanical Engineering	Portable rubber wall for explosive protection to reduce impact	S. Shasi Anand P. Jayakumar	202241054247 A	22.09.2022
29.	Mechanical Engineering	Dual side sanitizer dispenser with social distancing clearance	S. Shasi Anand P. Jayakumar	202241054248 A	22.09.2022
30.	Mechanical Engineering	Quadruple solar operable automatic sanitizer dispensing system	S. Shasi Anand P. Jayakumar	202241054249 A	22.09.2022
31.	Mechanical Engineering	LPG cylinder volume depletion alerting trolley	Dr. S. Shasi Anand Dr. P. Jayakumar	202241055465 A	28.09.2022
32.	Computer Science and Engineering	Flower plucking robotic arm	R. Raja Subramanian Narla Venkata Anand Sai Kumar Nallamekala Syam Sundar Maram Uma Maheswar Reddy Nali Harsha Vardhan G. Naga Subramaniam M. V. Sanjay Kumar Reddy	202241055456 A	28.09.2022
33.	Computer Science and Engineering	Moving ramp for a residential house staircase for people with leg Problems	Dr. R. Kanniga Devi Dr. M. Muthukannan M. Anandhababu M. Murali	202241055457 A	28.09.2022
34.	Electrical and Electronics Engineering	Solar powered IoT based home automation	Dr. A. Ramkumar Dr. K. Rajesh S. Rajendran R. Yasoda Krishna Y. Hemanthchandra S. Sai Kumar	202241055458 A	28.09.2022
35.	Electrical and Electronics Engineering	Underground cable fault detection	Dr. P. Aruna Jeyanthi Priyadharshini R Santhosh M	202241055459 A	28.09.2022

S. No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
			Siva Kumar N		
36.	Electrical and Electronics Engineering	Filter less water purifier using solar system	Dr. A. Ramkumar Dr. K. Rajesh S. Rajendran Harsh Jaiswal Reddy Yasoda Krishna Saranam Sai Kumar	202241055460 A	28.09.2022
37.	Mechanical Engineering	All time refreshing flower bowl	S. Shasi Anand P. Jayakumar	202241055461 A	28.09.2022
38.	Computer Science and Engineering	Tuning genre frequency recognition	R. Raja Subramanian Sabbineni Jaswanth Sai Shravan. V. S Yettapu Swapna Poosa Tharun Syed Mohammed Ateeb Mudabbir	202241055462 A	28.09.2022
39.	Mechanical Engineering	Press type dust bin	S. Shasi Anand P. Jayakumar	202241055463 A	28.09.2022
40.	Electrical and Electronics Engineering	Automatic defrost water drainer	S. Rajendran Dr. K. Rajesh Dr. A. Ramkumar P. Akash Kalyana Kumar B. Subaash M. Yuvaraj	202241055464 A	28.09.2022
41.	Electrical and Electronics Engineering	Intelligent phase failure control of distribution transformer for Rural/remote areas	Dr. M. Karuppasampandian Dr. M. Krishna Paramathma	202241055468 A	28.09.2022
42.	Electrical and Electronics Engineering	High strength concrete with replaced fine aggregate	R. Subashini Dr. K. Vijayakumar	202241055469 A	28.09.2022
43.	Electrical and Electronics Engineering	Smart water distribution and water theft detection system	Dr. M. Karuppasampandian Dr. M. Krishna Paramathma	202241055470 A	28.09.2022
44.	Electrical and Electronics Engineering	Smart agriculture controlling system using IoT and solar	Dr. K. Rajesh Dr. A. Ramkumar B. Pallavi K. Riyaz K. Sai Bhargav	202241055466 A	28.09.2022
45.	Electrical and Electronics Engineering	Smart agriculture storage with IoT based system	Dr. K. Rajesh Dr. A. Ramkumar B. Pallavi K. Riyaz C. Siva Santhosh Reddy	202241055467 A	28.09.2022

S. No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
46.	Mathematics	Secure the communication between IoT devices in vehicular network using cryptography algorithm	Prof. Dr. Yegnanarayanan Venkataraman	202231056009 A	29.09.2022
47.	Mechanical Engineering	Multipurpose device for cleaning air filter	Dr. S. Rajakarunakaran M. Siva Subramanian	202241056127 A	30.09.2022
48.	Mechanical Engineering	Portable pick and place robot for transferring of components	Dr. S. Rajakarunakaran C. Bennet	202241056128 A	30.09.2022
49.	Mechanical Engineering	Multi point lubrication system for running equipment's with portability	Dr. S. Rajakarunakaran P. G. Gurusamy Pandian	202241056129 A	30.09.2022
50.	Mechanical Engineering	Automatic pipe welding fixture	T.S. Ravichandran M. C. Jolly	202241056131 A	30.09.2022
51.	Mechanical Engineering	Multiple delivery water pump using three-way crank shaft	Dr. S. Rajakarunakaran K. Maclin John Vasanth	202241056132 A	30.09.2022
52.	Mechanical Engineering	Solar powered fibre boat	M.S. Abilash Dr. S. Jeya Kumar	202241056133 A	30.09.2022
53.	Mechanical Engineering	Domestic hydro turbine from waste water	Dr. S. Jeya Kumar S. Bathrinath	202241056134 A	30.09.2022
54.	Mechanical Engineering	Digital spur gear profile error detector	Dr. S. Rajakarunakaran S. Kavitha	202241056135 A	30.09.2022
55.	Mechanical Engineering	Dc power generator from shock absorber in automobile vehicle	Dr. S. Rajakarunakaran S. Sathyaraj	202241056136 A	30.09.2022
56.	Electrical and Electronics Engineering	Gesture controlled wheel chair for the disabled	Dr. S. Kannan D. Ganesh Perumal	202241056137 A	30.09.2022
57.	Mechanical Engineering	Rotary drum fixture for fixing with the motor	Dr. S. Rajakarunakaran K. Balamurugan	202241056138 A	30.09.2022
58.	Mechanical Engineering	False ceiling plaster sheet support and holding device	Dr. S. Shasi Anand Dr. P. Jayakumar	202241056139 A	30.09.2022
59.	Mechanical Engineering	False ceiling plaster board support and holding device dc operated	Dr. S. Shasi Anand Dr. P. Jayakumar	202241056140 A	30.09.2022
60.	Mechanical	Electric vehicle	Dr. S. Raja Karunakaran	202241056120 A	30.09.2022

S. No	Department	Patent Title	Name of the Faculty	Application Number	Filing Date
	Engineering	automatic charging of battery using vertical axis wind turbine	A. Mothilal		
61.	Civil Engineering	Semi-automatic pet bottle cleansing device	Dr. S. Jeya Kumar M. Muthu Kannan	202241056121 A	30.09.2022
62.	Mechanical Engineering	Manually driven water pump for irrigation	Dr. S. Jeya Kumar T. Premkumar	202241056122 A	30.09.2022
63.	Mechanical Engineering	Multipurpose work holding fixture for welding joints	Dr. S. Rajakarunakaran C. Sankar	202241056123 A	30.09.2022
64.	Electrical and Electronics Engineering	Safety alert for sleepy drivers	Dr. S. Kannan S. Rajendran	202241056124 A	30.09.2022
65.	Mechanical Engineering	Automatic collision avoidance system for automobiles	Dr. S. Rajakarunakaran P. Guruswamy Pandian	202241056125 A	30.09.2022
66.	Mechanical Engineering	Hybrid drive for two-wheeler	Dr. S. Rajakarunakaran V. Arumuga Prabu	202241056126 A	30.09.2022

ACHIEVEMENTS OF SCHOLAR

Sl. No	Scholar Name	Institute Name	Category
1	Dr. G. Mahendra Prabhu	Sungkyunkwan University, Seoul, South Korea	Post Doctoral Fellowship
2	Dr. R. Packiyaraj	CSIR-National Aerospace Laboratories, Bengaluru	Research Associate

5. MISCELLANEOUS

IQAC MEETING

The IQAC quarterly meeting was held on 30.07.2022. The external members Dr. N. Alagumurthi, Professor & Head, Mechanical Engineering, Pondicherry Engineering College, and Dr. Arun Rajagopal, Director (Data Science), Evive Software Analytics, Bengaluru attended the same and offered their valuable suggestions.

Few key points are:

- Feedbacks on some of the points discussed in the earlier meeting were presented by the concerned.
- The KPIs on 'Examination Results' and 'Students Placement' were presented and the efforts were appreciated by the members.
- IQAC members appreciated the examination results for the academic year 2021-22 with a discussion on the quality aspects.
- The Members suggested to concentrate on increasing the mean/median salary campus placements.
- The Members congratulated KARE for achieving good ranks in NIRF-2022.

CENTRAL OFFICES ACTIVITIES

S. No	Name of the Event	Name of the Resource Person	Organized by	Date
1.	IPR Awareness Programme	Mr. A. Lakshmi Narayanan, Examiner of Parents and Designs (Group 'A' Gazette)	FALT & IEDC	06.07.2022
2.	Faculty Induction Programme	1. Dr. Koteswara Rao, Director (Academics) 2. Dr. Winowlin Jappes, CoE 3. Dr. V. Pandiyarajan, Dy. Director (IQAC and AR) 4. Dr. M. Muthukannan, Director (SA) 5. Dr. S. Seshadri Srinivasan, Director (IRC) 6. Dr. P. Sarasu, Director (IR & GA) 7. Dr. M. Pallikonda Rajasekaran, Director (R & D) 8. Dr. R. Ramalakshmi, Director (CDOE) 9. Dr. C. Sivapragasam, Director (FALT)	FALT	12.07.2022 to 13.07.2022
3.	Developing MOOC Courses	Dr. Praveen Kumar TD, Principal, Sri Dharmaguru B.Ed. College, Karnataka.	FALT & CDOE	13.07.2022 to 17.07.2022
4.	Engineering Education Research	Dr. Sohum Sohoni, Milwaukee School of Engineering, USA	FALT and IR	18.07.2022
5.	Project based Learning for a Semester Long Course	Prof. Dr. Sheetal Sohoni, Faculty Associate, Graphic Information Technology, Arizona State University, USA	FALT and IR	19.07.2022 to 20.07.2022

IEDC ACTIVITIES

S. No	Department	Title	Date(s)	Sponsored By	No. of Participants
1	IEDC & IIC	Workshop on Intellectual Property Rights (IPRs) and IP management	06.07.2022	IIPM & KARE	177
2	IEDC & IIC	Session on Business Model Canvas (BMC)	29.07.2022	KARE	134
3	IEDC & IIC	Session on Angel Investment/VC Funding Opportunity for Early-Stage Entrepreneurs	06.08.2022	KARE	62
4	IEDC & IIC	Smart India Hackathon 2022 - Junior	12.08.2022	AICTE & MIC	125
5	IEDC & IIC	Demo Day/Exhibition/Poster Presentation of Start-ups developed & linkage with Innovation Ambassadors for mentorship support.	16.08.2022	KARE	50
6	IEDC & IIC	Inauguration of STARTUPTN Virudhunagar Circles (Under Session with innovation and Start-up Ecosystem Enablers from the state)	23.08.2022	KARE & StartupTN	460
7	IEDC & IIC	Smart India Hackathon 2022 - Senior	25.08.2022 to 29.08.2022	AICTE & MIC	141
8	IEDC & IIC	Session on "Lean Start-up & Minimum Viable Product	26.08.2022	KARE	55
9	IEDC & IIC	Session on Accelerators/Incubation - Opportunities for Students & Faculties – Early-Stage Entrepreneurs	26.08.2022	KARE	184
10	IEDC & IIC	Session on Innovation/Prototype Validation - Converting Innovation into a Startup	29.08.2022	KARE	182
11	IEDC & IIC	Workshop on "Entrepreneurship and Innovation" as Career Opportunity	01.09.2022	KARE	142
12	IEDC & IIC	Natives Koodal- Startup Expo	02.09.2022	KARE & Nativelead	520
13	IEDC & IIC	My Story - Motivational Session by Successful Innovators	12.09.2022	KARE	124
14	IEDC & IIC	Business Idea Pitch Phase 1- Women Entrepreneurs	13.09.2022	IIT Madras	30
15	IEDC & IIC	Session on Problem Solving and Ideation Workshop	13.09.2022	KARE	74
16	IEDC & IIC	Awareness Program on Intellectual Property Rights	23.09.2022	KARE	160
17	IEDC & IIC	Workshop on Building Women Graduate Entrepreneurs Phase 1	26.09.2022 to 28.09.2022	IIT Madras	30

SCOPUS LISTED PUBLICATIONS DURING JULY - SEPTEMBER 2022

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
1.	Kalpana B., Dhanasekaran S., Abirami T., Dutta A.K., Obayya M., Alzahrani J.S., Hamza M.A.	Cat and Mouse Optimizer with Artificial Intelligence Enabled Biomedical Data Classification	2023	Computer Systems Science and Engineering	44	3		2243	2257
2.	Ajith V., Arumugaprabu V., Ramalakshmi R., Indumathi N.	Study on Work Posture Assessment Using RODGERS Smart Form in Indian Firework Industries	2023	Lecture Notes in Mechanical Engineering				437	447
3.	Jeyasingh V., Murugesan K., Lakshminarayanan S., Selvapalam N., Dass G., Piramuthu L.	A molecular tuner: Substituent controlled π/π ···hole induced selective colorimetric intramolecular push-pull fluoride sensor	2022	Chemical Engineering Journal Advances	12		100376		
4.	Sivakumar V., Sivaganesh D., Gopal J.N., Muthuvinayagam M., Kim J.M., Kannan P.K., Saravanakumar S.	Enhancement of intrinsic green emission in phase pure ZnO	2022	Physica B: Condensed Matter	644		414155		
5.	Taqi H.M.M., Meem E.J., Bhattacharjee P., Salman S., Ali S.M., Sankaranarayanan B.	What are the challenges that make the journey towards industrial symbiosis complicated?	2022	Journal of Cleaner Production	370		133384		
6.	Ajith S., Arumugaprabu V., Szóstk M.	A Framework for Systematic Assessment of Human Error in Construction Sites – A Sustainable Approach	2022	Civil Engineering and Architecture	10	5		1725	1737
7.	Raja A., Son N., Swaminathan M., Kang M.	Electrochemical behavior of heteroatom doped on reduced graphene oxide with RuO ₂ for HER, OER,	2022	Journal of the Taiwan Institute of Chemical Engineers	138		104471		

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
		and supercapacitor applications							
8.	Velsankar K., Parvathy G., Mohandoss S., Krishna Kumar M., Sudhahar S.	Celosia argentea leaf extract-mediated green synthesized iron oxide nanoparticles for bio-applications	2022	Journal of Nanostructure in Chemistry	12	4		625	640
9.	Karuppiyah G., Kuttalam K.C., Ayrilmis N., Nagarajan R., Devi M.P.I., Palanisamy S., Santulli C.	Tribological Analysis of Jute/Coir Polyester Composites Filled with Eggshell Powder (ESP) or Nanoclay (NC) Using Grey Rational Method	2022	Fibers	10	7	60		
10.	Sasikumar P., Mohammed M.K.A., Mohammed S.H., Thiyagarajan R., Revathy M.S., Palaniappan L.	Acoustical-Physical Impact of Ternary Blends Having Hexane (Aniline + 1-Alkanols)	2022	Chemistry Africa					
11.	Dargar S.K., Vijayadharshini M., Manisha G., Deepthi K.	A Voice Assisted Chatbot Framework for Real-Time Implementation in Medical Care	2022	Communications in Computer and Information Science	1613 CCIS			51	63
12.	Sangeeta T.R., Deny J.	A Study on Optical Interconnects to Improve On-Chip Wireless Communication using Plasmonic Nanoantennas and Seeking Dielectric Nanoantenna as an alternative	2022	2022 IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience and Nanotechnology, 5NANO 2022					
13.	Suthendran K., Subburaj T.	Smart Carafe: An IoT-Based Real Time System	2022	Lecture Notes in Electrical	905			621	631

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
				Engineering					
14.	Krishna Narayanan S., Dhanasekaran S., Vasudevan V.	An effective parameter tuned deep belief network for detecting anomalous behavior in sensor-based cyber-physical systems	2022	Theoretical Computer Science					
15.	Ashok K, Ashraf M., Thimmia Raja J., Hussain M.Z., Singh D.K., Haldorai A.	Collaborative analysis of audio-visual speech synthesis with sensor measurements for regulating human-robot interaction	2022	International Journal of System Assurance Engineering and Management					
16.	Naik J.M., Ramu A., Jeevitha S., Balamurugan K., Jos B.C., Jos B.M.	Control system integration methods to maintain the position and speed of the robot in spatial forbidden areas	2022	International Journal of System Assurance Engineering and Management					
17.	Dhanusha P.B., Muthukumar A., Lakshmi A.	A Novel Approach for Early Intervention of Retinal Disorders Using Machine Learning Techniques	2022	Lecture Notes in Networks and Systems	436			345	355
18.	Sankara Moorthy K., Jayesh G.S., Karthiga G., Ravindran K., Barkavi G.E., Priya K.	An inclusive review of healthcare management	2022	International Journal of Health Sciences	6			11273	11287
19.	Dinesh A., Maragatharajan M., Balakannan S.P.	Survey on Machine Learning Algorithm for Leaf Disease Detection Using Image Processing Techniques	2022	Lecture Notes in Networks and Systems	436			681	689
20.	Abinaya R., Tharani S., Arunachalam A.S.,	Heist Detector: A Secured IOT-Based Real-Time	2022	Lecture Notes in Electrical	905			467	479

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
	Suthendran K.	System		Engineering					
21.	Amiya G., Ramaraj K., Murugan P.R., Govindaraj V., Vasudevan M., Thiagarajan A.	A Review on Automated Algorithms Used for Osteoporosis Diagnosis	2022	Lecture Notes in Networks and Systems	436			247	262
22.	Sai Anand M., Ramalakshmi R.	Time Series Analysis to Forecast Wind Speed	2022	Lecture Notes in Electrical Engineering	905			389	402
23.	Janga V., Awoke D., Genale A.S., Barani Sundaram B., Pandey A., Karthika P.	Cold Chain Logistics Method Using to Identify Optimal Path in Secured Network Model with Machine Learning	2022	Lecture Notes in Networks and Systems	514 LNNS			725	735
24.	Upadhyay A., Qarnain S.S., Kumar P.	Analysis of carbon mono oxide concentrations in heterogeneous traffic conditions: a case study of Kanpur city in India	2022	Modeling Earth Systems and Environment					
25.	Prabhune S., Munde Y., Shinde A., Siva I.	Appraising the Acoustic Performance and Related Factors of Natural Fiber: A Review	2022	Journal of Natural Fibers					
26.	Sakthimohan M., Elizabeth Rani G., Devendrareddy M., Babu D.V.V.S.S.S., Vardhan M.V., Karthigadevi K.	Forecast of Heart Sickness using Machine Learning	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				1115	1119
27.	Rani G.E., Sakthimohan M., Suresh M.P., Abhiram M.,	Face Recognition Using Principal Component	2022	2022 2 nd International				932	936

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
	Surya K.J., Kumar B.Y.A.N.	Analysis		Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022					
28.	Karthy G., Reddy V.V., Balaji P., Teja K.	Ultrasonic Sensor Based Physical Distance and Temperature Tracking System	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				570	574
29.	Elizabeth Rani G., Sakthimohan M., Lakshmi Chaitanya P.G., Amaranatha Sasthry S., Shashank P., Kumar Reddy N.	Scam Recognition in Visa/Credit Card Using Genetic Algorithm	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				812	816
30.	Vijayakumar K., Bhuvhanesan R., Devadharshini M., Reddy C.O.S., Kannan S.	Analysis of Performance Parameters of Electric Vehicle Using MATLAB Simulink	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				1465	1471

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
31.	Bhuvaneswary N., Muralidhar Reddy K., Umesh Chandra Reddy A., Lakshmi A., Sandeep Kumar B.	Artificial Intelligent Based Smart Electricity Billing Management System	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				1805	1809
32.	Pandiaraj K., Prakash K.J., Dhanalakshmi K.S., Anil B., Gopishankar Y., Saikumar A.	Wireless Medical Sensor Networks: A Secure-Anonymous User Authentication Scheme	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				943	946
33.	Sakthimohan M., Reddy G.K., Reddy T.J., Manikanta B., Elizabeth Rani G.	Contactless Covid-19 Monitoring System Using IOT	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				670	674
34.	Elizabeth Rani G., Sakthimohan M., Abhigna Reddy G., Selvalakshmi D., Keerthi T., Raja Sekar R.	MNIST Handwritten Digit Recognition using Machine Learning	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in				768	772

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
				Engineering, ICACITE 2022					
35.	Elizabeth Rani G., Sakthimohan M., Revanth Raj R., Sri Ganesh M., Shyam Sunder R., Karthigadevi K.	An Automated Cost Prediction in Uber/Call Taxi Using Machine Learning Algorithm	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				764	767
36.	Ramkumar A., Vaigaiselvam T., Rajendran S., Saravanavel S., Kamalesh A., Rajesh K.	Android Controlled Smart Home Automation with Security System	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				1245	1249
37.	Manikandan P., Ramesh G., Sivakumar P., Kumar J.J., Krishna R.L., Dinesh G.	Soil nutrients monitoring and analyzing system using Internet of Things	2022	2022 2 nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				301	305
38.	Bhuvaneswary N., Deny J., Lakshmi A.	Exploration on Reusability of Universal Verification Methodology	2022	2022 2 nd International Conference on Advance Computing and				1865	1868

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
				Innovative Technologies in Engineering, ICACITE 2022					
39.	Khanna M.R., Arun M., Othman B.A., Johar S.S., Bhattacharya S., Suribabu P.	A Critical Investigation in Analysing the Main Factors Influencing the Network Security Strategies by Applying the Big Data Context Using Multivariate Analysis of Variance (MANOVA)	2022	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				2623	2627
40.	Sakthimohan M., Elizabeth Rani G., Jeevana Swetha S.K., Dharani G., Nikhila K.M., Kannigadevi R.	An automated face mask detection using machine learning techniques	2022	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				899	904
41.	Sakthimohan M., Reddy P.G.K., Narendra T., Venkatesh B., Elizabeth R.G.	Leaf Health Monitoring and Disease Detection Using Image Processing	2022	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				773	777
42.	Selle J J., Krishna A.V., Harish M.S., Reddy K.B.	An IoT based Alert System with Gas Sensors in a WSN Framework for Evasion of	2022	2022 2 nd International Conference on				1516	1521

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
		Forest Fire		Advance Computing and Innovative Technologies in Engineering, ICACITE 2022					
43.	Jenitha R., Rajesh K.	Isolated DC Microgrid Energy Management System using Perturb and Observe Algorithm	2022	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				1215	1219
44.	Karthy G., Hemanth P.S., Rahul M.V., Vamsi S.V.	Vehicle Speed Monitoring and Auto Light Adjust System with Node MCU	2022	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				459	462
45.	Nair S.S., Neelakantan T.R.	Review of reliability indices of the water distribution system	2022	Journal of Integrated Science and Technology	10	2		120	125
46.	Madhumitha R., Priya P., Saravanan S.	Hybrid Renewable Energy Based Electric Vehicles Charging Station	2022	2022 2nd International Conference on Advance Computing and Innovative				2348	2352

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
				Technologies in Engineering, ICACITE 2022					
47.	Indhumathi K., Kumar K.S.	Seasonal Infectious Disease Prediction based on Electronic Patient Health Records using Boosted Random Forest Algorithms	2022	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				2025	2032
48.	Manikandan P., Ramesh G., Lokesh P., Raju P.N., Prasad M.D., Madhu P.	IOT Based Farm Protection System from Animals and Humans Theft using ESP32 with Camera Module	2022	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				1861	1864
49.	Pandiaraj K., Prakash K.J., Dhanalakshmi K.S., Teja M.S., Kalyan K.P., Basha S.M.	Autonomous Robot for Field Health Indication and Crop Monitoring System using Artificial Intelligence	2022	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022				937	942
50.	Esakkimuthu G., Rajesh K., Ramkumar A., Kathiravan K.	PV Based Drive Control System and MPPT Technique under various Irradiation conditions - A	2022	2022 2nd International Conference on Advance				525	532

No.	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O. I	Page start	Page end
		Study		Computing and Innovative Technologies in Engineering, ICACITE 2022					
51.	Kameswari M., Mohiuddine S.A., Lakshmana Gomathi Nayagam V., Tamilvanan K., Anbazhagan N.	On level spaces of fuzzy bitopological spaces	2022	Soft Computing					
52.	Periyanayagi S., Gnana Priya G., Chandrasekar T., Sumathy V., Raja S.P.	Artificial intelligence and IoT-based biomedical sensors for intelligent cattle husbandry systems	2022	International Journal of Wavelets, Multiresolution and Information Processing			2250026		
53.	Sudar K.M., Deepalakshmi P., Singh A., Srinivasu P.N.	TFAD: TCP flooding attack detection in software-defined networking using proxy-based and machine learning-based mechanisms	2022	Cluster Computing					
54.	Jawahar M., Jani Anbarasi L., Ravi V., Prassanna J., Jasmine S.G., Manikandan R., Sekaran R., Kannan S.	CovMnet-Deep Learning Model for classifying Coronavirus (COVID-19)	2022	Health and Technology					
55.	Kavitha P.K., Saraswathi P.V.	Retraction Note to: Content based satellite image retrieval system using fuzzy clustering (Journal of Ambient Intelligence and Humanized Computing, (2020), 12, (5541-5552),	2022	Journal of Ambient Intelligence and Humanized Computing					

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		10.1007/s12652-020-02064-1)							
56.	Subramanian C.B., Maragatharajan M., Balakannan S.P.	Retraction Note to: Inventive approach of path planning mechanism for mobile anchors in WSN (Journal of Ambient Intelligence and Humanized Computing, (2020), 12, (3959-3967), 10.1007/s12652-020- 01752-2)	2022	Journal of Ambient Intelligence and Humanized Computing					
57.	Vardhan C.M.V., Bhomesh S., Ravindra V., Ramaganesh M.	Outdoor air pollution and respiratory health: A bibliometric analysis	2022	International Journal of Health Sciences	6			11240	11249
58.	Velumani P., Priyadharshini B., Mukilan K., Shanmugapriya	A mass appraisal assessment study of land values using spatial analysis and multiple regression analysis model (MRA)	2022	Materials Today: Proceedings					
59.	Sathiyamoorthi V., Harshavardhanan P., Azath H., Senbagavalli M., Viswa Bharathy A.M., Chokkalingam B.S.	An effective model for predicting agricultural crop yield on remote sensing hyper-spectral images using adaptive logistic regression classifier	2022	Concurrency and Computation: Practice and Experience					
60.	Nithya Priya C., Muthuvinayagam M., Ramesh S., Ramesh K.	Studies on structural, electrical and electrochemical properties of biodegradable PVP/starch blend polymer	2022	Energy and Environment					

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		electrolytes with ammonium ceric nitrate for energy storage devices							
61.	Srinivasan R., Lalitha T., Brintha N.C., Sterlin Minish T.N., Al Obaid S., Alharbi S.A., Sundaram S.R., Mahilraj J.	Predicting the Growth of F. proliferatum and F. culmorum and the Growth of Mycotoxin Using Machine Learning Approach	2022	BioMed Research International	2022		9592365		
62.	Karuppiah K., Sankaranarayanan B., Ali S.M.	A Novel Quality Function Deployment Based Integrated Framework for Improving Supply Chain Sustainability	2022	EMJ - Engineering Management Journal					
63.	Viswanathan T.M., Chitradevi K., Zochedh A., Vijayabhaskar R., Sukumaran S., Kunjiappan S., Kumar N.S., Sundar K., Babkiewicz E., Maszczyk P., Kathiresan T.	Guanidine–Curcumin Complex-Loaded Amine-Functionalised Hollow Mesoporous Silica Nanoparticles for Breast Cancer Therapy	2022	Cancers	14	14	3490		
64.	Chandrasekaran J., Elumalai S., Murugesan V., Kunjiappan S., Pavadai P., Theivendren P.	Computational design of PD-L1 small molecule inhibitors for cancer therapy	2022	Molecular Diversity					
65.	Devi V.K., Venkatesan A., Bharathi A.N., Parvathy G., Kaliammal R., Kumar M.K., Sudhahar S.	Third Order Nonlinear Optical Properties of Bis (Creatininium 2,4-Dichlorobenzoate) Monohydrate Organic New Single Crystal	2023	Journal of Molecular Structure	1271		134115		
66.	Mariprasath T., Shilaja C., Hussaian Basha C., Murali	Design and Analysis of an Improved Artificial Neural	2023	Lecture Notes on Data Engineering	139			67	77

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	M., Fathima F., Aisha S.	Network Controller for the Energy Efficiency Enhancement of Wind Power Plant		and Communications Technologies					
67.	Dhanalakshmi A., Ponmozhi K.	A General Approach of Plant Disease Identification and Detection from the Images Using Convolutional Neural Networks	2023	Lecture Notes on Data Engineering and Communications Technologies	139			391	400
68.	Elango D., Devi K.D., Jeyabalakrishnan H.K., Rajendran K., Thoomatti Haridass V.K., Dharmaraj D., Charuchandran C.V., Wang W., Fakude M., Mishra R., Vembu K., Wang X.	Agronomic, breeding, and biotechnological interventions to mitigate heavy metal toxicity problems in agriculture	2022	Journal of Agriculture and Food Research	10		100374		
69.	Sankareswari M., Amutha C., Vasantha V.S., Arunpandian M., Nagarajan E.R.	Biosynthesized silver nanoparticles using Rosary Pea seed Extract: Evaluation of Antibacterial, cytotoxic and photocatalytic activity	2022	Inorganic Chemistry Communications	145		109977		
70.	S V., Jappes JT W., S N., Sharma R K., Khan M A.	Boron carbide dispersed epoxy composites for gamma radiation shielding applications	2022	Vacuum	205		111474		
71.	Mohammed M.K.A., Al-Azzawi R.K., Jasim H.H., Mohammed S.H., Singh S., Kadhum H.H., Kumar A., Sasikumar P., Revathy	Adaption of MAPbI ₃ perovskite with copper phthalocyanine inorganic hole transport layer via nitrosonium	2022	Optical Materials	133		112901		

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	M.S., Jabir M.S.	tetrafluoroborate additive to enhance performance and stability of perovskite solar cells							
72.	Baranitharan B., Sivapragasam C., Rajesh K.	Long term monthly prediction of energy requirements from a probabilistic perspective - A case study in southern States of India	2022	Sustainable Energy Technologies and Assessments	53		102707		
73.	Rajendran S., Muthu Kumar A., Agnes Idhaya Selvi V.	Particle Swarm Optimization tuned Hybrid Sliding Mode Controller based static synchronous compensator with LCL filter for Power Quality improvement	2022	Sustainable Energy Technologies and Assessments	53		102653		
74.	Sakthivel K., Krishnasamy R., Balasubramanian K., Krishnakumar V., Ganesan M.	Averaged state space modeling and the applicability of the series Compensated Buck-Boost converter for harvesting solar Photo Voltaic energy	2022	Sustainable Energy Technologies and Assessments	53		102611		
75.	Shenbagavalli S., Muthuvinnayagam M., Revathy M.S.	Electrical properties of Mg ²⁺ ion-conducting PEO: P(VdF-HFP) based solid blend polymer electrolytes	2022	Polymer	256		125242		
76.	Jyothi K., Ghurupreya R., Pearlin D.J., Ponmozhi K.	Phytocompounds from Withania somnifera against breast cancer: An in-silico study	2022	Biomedicine (India)	42	4		720	725
77.	Jyothi K., Sivaranjani V., Pavithra U., Jayavel S.,	Computational studies on new Leishmanial drug	2022	Indian Journal of Biochemistry	59	9		909	917

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	Muthulakshmi L.	targets against Quercetin		and Biophysics					
78.	Preethikaharshini J., Naresh K., Rajeshkumar G., Arumugaprabu V., Khan M.A., Khan K.A.	Review of advanced techniques for manufacturing biocomposites: non-destructive evaluation and artificial intelligence-assisted modeling	2022	Journal of Materials Science	57	34		16091	16146
79.	Nandhinilakshmi M., Vanitha D., Nallamuthu N., Sundaramahalingam K., Saranya P.	Investigation on conductivity and optical properties for blend electrolytes based on iota-carrageenan and acacia gum with ethylene glycol	2022	Journal of Materials Science: Materials in Electronics	33	26		21172	21188
80.	Jagadeesh P., Mavinkere Rangappa S., Siengchin S., Puttegowda M., Thiagamani S.M.K., Rajeshkumar G., Hemath Kumar M., Oladijo O.P., Fiore V., Moure Cuadrado M.M.	Sustainable recycling technologies for thermoplastic polymers and their composites: A review of the state of the art	2022	Polymer Composites	43	9		5831	5862
81.	Karuppiah K., Sankaranarayanan B., Ali S.M., AlArjani A., Mohamed A.	Causality analytics among key factors for green economy practices: Implications for sustainable development goals	2022	Frontiers in Environmental Science	10		933657		
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