

# QUARTERLY NEWSLETTER II

April - June 2022



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KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION  
(DEEMED TO BE UNIVERSITY)  
KRISHNANKOIL - 626 126

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## 1. GENERAL

### PARTICIPATION IN RANKING AND ACCREDITATIONS

1. KARE has submitted the data for THE World University Ranking on 06.04.2022.
2. KARE has been ranked in THE Impact Ranking 2022 on 27.04.2022 as follows:

Category	Rank
SDG 1: No Poverty	401 - 600
SDG 5: Gender Equity	601 - 800
SDG 6: Clean Water and Sanitation	301 - 400
SDG 13: Climate Action	401 - 600
SDG 17: Partnership Goals	1001+

3. On 06.06.2022, KARE has been ranked 25<sup>th</sup> across India under Diamond Band Category for excellence in up-keeping well-being of faculty, staff and students in Mental Health Wellbeing (MHW) 2022.



4. The Times Higher Education Asia University Rankings 2022 use the same 13 performance indicators as the THE World University Rankings, but they are recalibrated to reflect the attributes of Asia's institutions. The universities are judged across all their core missions – teaching, research, knowledge transfer and international outlook – to provide the most

comprehensive and balanced comparisons available. In which KARE has been ranked in 251 – 300<sup>th</sup> Rank Band in THE Asia University Rankings 2022.



**MoU**

- The Catering Science and Hotel Management department entered a MoU with the Courtyard by Marriott Hotel, for Training, Cross-training, and employment of the students on the 10<sup>th</sup> of June 2022. Honorable Chancellor Dr. K. Sridharan of KARE and Mr. Sanjeev Mandal, the general manager of Hotel Courtyard by Marriott Chennai signed the MoU.
- The ACIC-KIF signed an MoU with MeitY for collaboration on various aspects including sensor development in the presence of MoS Dr. Rajeev Chandrasekar on 1<sup>st</sup> May 2022.





#### INTERNATIONAL RESEARCH CENTRE

- The International Research Centre has procured a Sputtering unit for the samples that works in conjunction with Scanning Electron Microscope for the benefit of faculty members and researchers on 23<sup>rd</sup> May 2022.
- The ACIC-KIF received grant for developing precision agriculture test-bed from MeitY on 1<sup>st</sup> May 2022.

#### ISTE CONVENTION 2022

The 24<sup>th</sup> Annual Staff convention of ISTE Tamil Nadu chapter was held at Kalasalingam Academy of Research and Education on “**A New Pedagogy in Engineering education- Challenges in Teaching and Learning**” on 22<sup>nd</sup> April 2022. Mr. S. Ramachandran, Principal Consultant Infosys Knowledge Center, Bangalore was the Chief Guest of the Program.



Dr. A. Sankarasubramanian Chairman ISTE Tamil Nadu section Preside over the function. Dr. V. Vasudevan Registrar KARE and Dr. K. Sourirajan Secretary ISTE Tamil Nadu were delivered felicitation address. Dr. M. Uthayakumar, Faculty Advisor ISTE KARE Chapter gave welcome address. Around 20 papers were presented on the theme and many ISTE members from various colleges were participated the event.

**DST-STI HUB GEOPOLYMER TRAINING PROGRAM FOR FARMERS INAUGURATED**

Three days Training program on “Production of Eco friendly and Economical Geopolymer-based Products” (27.04.2022 to 29.04.2022). The program was started with Tamizhthaivazthu. Dr. M. Murali (Project Coordinator, DST- SEED- STI Hub) welcomed the Chief Patrons, Patrons, Principal Investigator, Co-Principal Investigators, Speakers, Project fellows, and beneficiaries to the Three days Training program, followed by lighting of Kuthuvilakku. The Training was divided into 12 sessions. First day morning sessions were conducted by Mr. G. Palpandi (CEO, Global Bricks and Construction, Peraure, Madurai), and the afternoon session was followed Dr. M. Muthukannan Co-Principal Investigator, Geopolymer Intervention, DST- SEED- STI Hub, KARE) and Mr. SKM. Pothinathan Co-Principal Investigator, Geopolymer Intervention, DST- SEED- STI Hub, KARE). The second day morning session was conducted by Mr. M. Aandh Babu (Project Assistant, Geopolymer Intervention, DST- SEED- STI Hub, KARE), Mr. SKM. Pothinathan (Co-Principal Investigator, Geopolymer Intervention, DST- SEED- STI Hub, KARE) and the afternoon session was handled by Dr. M. Muthukannan (Co-Principal Investigator, Geopolymer Intervention, DST- SEED- STI Hub, KARE), and Mr. M. Aandh Babu (Project Assistant, Geopolymer Intervention, DST- SEED- STI Hub, KARE). The third day morning session was conducted by Mr. M. Muniyandi, MSME, Virudhunagar, Dr. PL. Meyyappan Associate Professor, Head of the Department, Civil Engineering, SAME, DST-SEED-STI Hub, KARE and the afternoon session was handled by Mr. M. Aandh Babu. These sessions helped beneficiary to gain knowledge about the quality of life in construction material and become entrepreneurs by producing brick and paver block ecofriendly products. Finally, the program was ended with a vote of thanks by Dr. M. Murali. Comparing was handled by Mr. A. Udhayakumar (Field Worker, Composite Intervention, DST- SEED- STI Hub).





### IBM ICE DAY 2022

IBM ICE Day 2022 was held at Kalasalingam Academy of Research and Education on 25<sup>th</sup> and 26<sup>th</sup> April 2022. The objective of the program was “learning with fun”. IBM day was conducted at the education institutes’ premises and is restricted to the students of IBM ICE Program only. IBM Day inaugural session was chaired by the Director of IBM ICE Program, Mr. Vithal Madyalkar. At the end of the programme students showcased their skills/knowledge/competency.



### VC CONFERENCE

Governor R. N. Ravi was inaugurated a two-day conference of Vice-Chancellors of Universities in Tamil Nadu on 25<sup>th</sup> April 2022 and 26<sup>th</sup> April 2022 at the Raj Bhavan in Udthagamandalam. At the conference, ideas and action plan for India’s role in emerging new world order and India to be world leader by 2047 was discussed. M. Jagadesh Kumar, Chairman of the University Grants Commission, and Sridhar Vembu, CEO of Zoho Corporation, was delivered special addresses. Vice-Chancellors of all State universities, Central universities and private universities in the State are participated in the conference. Dr. R. Nagaraj, Vice Chancellor, KARE was participated in the conference.



## 2. ACADEMICS

### **PARTICIPATION OF FACULTY MEMBERS IN CONFERENCES, SEMINARS, WORKSHOPS AND FDP**

1. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce participated in the One Day National Level Workshop on Skill Enhancement in Technical Education Through National Education Policy in Association with Indian Society for Technical Education (ISTE), New Delhi by Nitte Meenakshi Institute of Technology held on 1<sup>st</sup> April 2022.
2. Dr. P. Aruna Jeyanthi, Associate Professor, department of Electrical and Electronics Engineering participated in Faculty Training Programme on “Industry 4.0”, from 2<sup>nd</sup> April to 3<sup>rd</sup> April 2022 organized by IEEE.
3. Dr. S. Viji, Assistant Professor, department of Commerce has participated in the International FDP On Combating the Global Pandemic Through Motivation Using Life Skills by Guru Sree Shantivijai Jain College for Women held on 4<sup>th</sup> April 2022.
4. Dr. S. Viji, Assistant Professor, department of Commerce has participated in the International Faculty Development Programme On "Industry 4.0: Technological Innovation by Koustuv Business School held on 9<sup>th</sup> April 2022.
5. Dr. K. Vijayakumar, Associate Professor, department of Electrical and Electronics Engineering completed the course on “Li-Ion Cell Modeling Approaches”, 09<sup>th</sup> April 2022, Decibels lab Pvt Ltd.
6. Mr. K. Sureshkumar, Assistant Professor, department of Commerce has participated in the FDP on Research Innovations in Physical Science by Syed Ammal Arts and Science College on 12<sup>th</sup> April 2022.
7. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the Two Day National Online Faculty Development Programme on “Plagiarism in Academic Research & Author Identifiers” by Indian Institute of Management and Commerce on 12<sup>th</sup> April 2022.
8. Dr. S. Viji, Assistant Professor, department of Commerce has participated in the Seminar on Effective Management of Personal Finance and Wealth Creation by Sri S Ramasamy Naidu Memorial College, Virudhunagar held on 13<sup>th</sup> April 2022.
9. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the Seminar on Effective Management of Personal Finance and Wealth Creation by Sri S Ramasamy Naidu Memorial College (Autonomous) Reaccredited With 'A' Grade by NAAC (Affiliated to The Madurai Kamaraj University, Madurai) Sattur held on 13<sup>th</sup> April 2022.
10. Prof Ahamed Fazeel Akram H, department of Architecture has participated in the international level Webinar on “Current Issues on Building Technology for Sustainable Design: An Insight to Architecture Students” organized by VIT, School of Architecture in collaboration with Department of Architecture, Universitas Tanjungpura, Malaysia held on 14<sup>th</sup> April 2022.
11. Dr. K. Mayandi, Associate Professor, department of Mechanical Engineering has participated in the One Week Online FDP on “3D Printing & Additive Manufacturing” organized by the Department of Mechanical Engineering, Musaliar College of Engineering and Technology, Kerala, India organized from 18<sup>th</sup> – 22<sup>nd</sup> April 2022.
12. Dr. S. Viji, Assistant Professor, department of Commerce has participated in the International Conference on Contemporary Innovations in Engineering & Management in Data Sciences IOT & Computational Techniques by RGM College of Engineering & Technology, Andhra Pradesh on 22<sup>nd</sup> April 2022.
13. Mr. S. Rajendran, Assistant Professor, department of Electrical and Electronics Engineering participated in the Webinar on “STEM Education and IEEE Pre-University Education Resources” organized by IEEE India Council on 23<sup>rd</sup> April 2022.



14. Dr. D. Devaraj, Sr. Professor, department of Electrical and Electronics Engineering chaired the Technical Session in the 2<sup>nd</sup> International Conference on Nanoelectronics, Machine Learning, and Internet of Things & Computing Systems (NMIC-2022) on 23-24<sup>th</sup> April 2022 at ARTTC, BSNL Near Jumar River Bridge) Hazaribag Road, Ranchi-835217 in Virtual Mode.
15. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the Workshop on National Virtual Workshop on Human Values; Human Excellence and Higher Education by Vasanta College for Women, Rajghat in Collaboration with Sri Sathya Sai University for Human Values Excellence, Kalaburgi held on 25<sup>th</sup> - 29<sup>th</sup> April 2022.
16. Dr. SKM. Pothinathan, Assistant Professor, department of Civil Engineering has participated in the one-week short term training program on "Condition Assessment and Strengthening of Structures: Challenges and Opportunities" organized by Mepco Schlenk Engineering College, Sivakasi on 26<sup>th</sup> - 30<sup>th</sup> April 2022.
17. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the Seminar on Inter-Collegiate Webinar on Ethical Principles in Research by Sri Saradha College for Women 29<sup>th</sup> April 2022.
18. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the First International Conference on Environmental Issues in Business and Road Map for Innovative Solutions (ICEIB - 2022) by Department of Commerce, Government Arts College for Women, Nilakottai on 2<sup>nd</sup> May 2022.
19. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the ICSSR Sponsored Two Day National Level Seminar " Impact of Skills Development on Rural Youth in India by Ayya Nadar Janaki Ammal College, Sivakasi on 5<sup>th</sup> May 2022.
20. Dr. S. Viji, Assistant Professor, department of Commerce has participated in the Workshop on 3D Modelling Using Sketchup by Brahma Valley College of Engineering and Research Institute held on 6<sup>th</sup> May 2022.
21. Dr. S. Viji, Assistant Professor, department of Commerce has participated in the International FDP on Research Methodology by Kamla Nehru Vidyalaya, Nagpur held on 7<sup>th</sup> May 2022.
22. Dr. V. Babyshalini, Associate Professor, department of Information Technology has participated in the International Conference on Applied intelligence and computing by Narasu's Sarathy Institute of Technology held on 9<sup>th</sup> -11<sup>th</sup> May 2022.
23. Mr. K. Sureshkumar, Assistant professor, department of Commerce has participated in the Seminar on Enhancing Creativity in The New Normal Classroom Environment: Challenge and Prospects by University Teknologi Mara, Tamilnadu Teacher Education University, Loyola College of Education held on 13<sup>th</sup> - 14<sup>th</sup> May 2022.
24. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the Seminar on Paradigm Shift in Role and Responsibility of Family in Changing Scenario by A.N.D Teachers Training (Pg) College, Sitapur, UP held on 15<sup>th</sup> May 2022.
25. Dr. D. Devaraj, Sr. Professor, department of Electrical and Electronics Engineering participated in the MATLAB EXPO 2022 during 17<sup>th</sup> - 18<sup>th</sup> May 2022 through Online.
26. Mr. D. Premraja, Assistant Professor, department of Information Technology has participated in the international conference on Intelligent Computing and Control system by Vaigai Engineering College, Madurai held on 25<sup>th</sup> - 27<sup>th</sup> May 2022.
27. Dr. S. Viji, Assistant Professor, department of Commerce has participated in the National One Week FDP on ICT Tools For Effective Teaching and Learning by Kamla Nehru Mahavidyalaya, Nagpur on 28<sup>th</sup> May 2022.
28. Prof Ahamed Fazeel Akram H, department of Architecture has participated in the Faculty Development Programme on Research Methodology by Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad, Telangana held on 30<sup>th</sup> May - 3<sup>rd</sup> June 2022.
29. Dr. P. Aruna Jeyanthy, Associate Professor, department of Electrical and Electronics

- Engineering & Mr. S. Rajendran, Assistant Professor, department of Electrical and Electronics Engineering participated in the online workshop on “Cyber Physical System - Modeling, Simulation and Analysis” on 3-4 June 2022 organized by IEEE India council.
30. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the Seven Days Virtual FDP On “Best Practices for Next Gen Teachers” by SRM Institute of Science and Technology, Chennai held on 7<sup>th</sup> June 2022.
  31. Dr. Ashok Kumar Sahoo, Assistant Professor, department of Commerce has participated in the Seminar on Understanding of Science Communication by Department of Science and Technology, Government of India held on 10<sup>th</sup> June 2022.
  32. Dr. S. Viji, Assistant Professor, and Dr. Ashok Kumar Sahoo, Assistant Professor, department of Commerce has participated in the One Week FDP on Emerging and Innovative Approach in Management by IIMT College of Management on 15<sup>th</sup> June 2022.
  33. Dr. G. Ramesh Pandi, Assistant professor, department of Commerce has participated in the Webinar On " NEP 2020 - Academic Bank Credit by UGC-HRDC held on 12<sup>th</sup> June 2022.
  34. Prof Ahamed Fazeel Akram H, department of Architecture has participated in the Faculty Development Programme on Integral Sustainable Approach in Architectural Education organized by COA, TRC, Pune held on 21<sup>st</sup> June – 24<sup>th</sup> June 2022.
  35. Dr. S. Dhanasekaran, Associate Professor, department of Information Technology has participated in the International Conference on Engineering, Management and Technology by Raja Rajeswari College of Engineering, Bangalore held on 21<sup>st</sup> -22<sup>nd</sup> June 2022.
  36. Mr. S. Kailasam, Assistant Professor, department of Information Technology has participated in the 7<sup>th</sup> International Conference on Communication and Electronics Systems (ICCES – 2022) by PPG Institute of Technology, Coimbatore held on 22<sup>nd</sup> -24<sup>th</sup> June 2022.

#### **PAPER PRESENTATION IN CONFERENCES**

1. Dr. M. Kameswari presented a paper in the 5<sup>th</sup> international New York Academic Research Congress on 23<sup>rd</sup> – 24<sup>th</sup> April 2022 conducted by Food and Agriculture Organization of the United States in the following titles:
  - a. A Review on Applications of Fuzzy Logic in Breast Cancer and Thyroid.
  - b. Modified Working Principle of Washing Machine using Fuzzy Logic.
  - c. Applications of Fuzzy Logic in Covid-19- A-Review.
2. Dr. S. Maragathasundari presented a paper titled "A Simulation investigation in big data analytics -Hadoops" in the TNSCST Sponsored 8<sup>th</sup> International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'22) organized by Karpagam Institute of Technology, Coimbatore held on 20<sup>th</sup> & 21<sup>st</sup> May 2022.
3. Dr. M. Kameswari presented a paper in the 10<sup>th</sup> International Conference on Contemporary Engineering and Technology held on 21<sup>st</sup> and 22<sup>nd</sup> May 2022 at Prince Shri Venkateswara Padmavathy Engineering College, Chennai-600127.
4. Dr. M. Kameswari presented a paper in the International Congress on Artificial Intelligence, Material Science and Renewable Energy held on 27<sup>th</sup> & 28<sup>th</sup> May 2022 at KIT-Kalaingnarkarunanidhi Institute of Technology, Coimbatore, Tamilnadu.

**BOOK PUBLICATIONS**

S. No	Name of the Author(s)	Title of the Book/Book chapter	Name of the publisher, year of publication, ISBN, Vol, Issue and Page No.
1.	Dr. P. Mariappan and Dr. M. Kameswari, department of Mathematics	Vector Analysis - <b>Book</b>	LAP LAMBERT Academic Publishing, 2022, ISBN: 978-620-4-95565-0
2.	Dr. M. Kameswari, department of Mathematics	Analysis of Finite Capacity Single Server Queueing System with Feedback – <b>Book Chapter</b>	5 <sup>th</sup> International Congress on Life, Social and Health Sciences in a Changing World ISBN: 978-605-71461-1-3
3.	Dr. M. Kameswari, department of Mathematics	<ol style="list-style-type: none"> <li>1. A Review on Applications of Fuzzy Logic in Breast Cancer and Thyroid.</li> <li>2. Modified Working Principle of Washing Machine using Fuzzy Logic.</li> <li>3. Applications of Fuzzy Logic in Covid-19- A-Review.</li> </ol> <b>Book Chapters</b>	V. International New York Academic Research Congress- ISBN: 978-605-71461-2-0
4.	Dr. V. Yegnanarayanan, department of Mathematics	Comprehending COVID -19 as a contact network	Biomedical Engineering Applications for People with Disabilities and Elderly in a New COVID-19 Pandemic and Beyond.
5.	Dr. K. Mayandi, department of Mechanical Engineering	Pineapple fibers, their composites and applications	Woodhead Publishing. UK ISBN: 978-0-12-824528-6

**FACULTY AS A RESOURCE PERSON IN FDP**

S. No	Name of the Speaker	Date	Name and address of the college been as a Resource Person	Name of the Faculty Development Program	Area of Lecture Delivered
1.	Dr. N. Lakshmi Thilagam	30 <sup>th</sup> May – 3 <sup>rd</sup> June 2022	Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad, Telangana	Research Methodology for Young Teachers and Research Scholars	Research Problem Identification & Formulation
2.	Dr. K. Selvarani	17 <sup>th</sup> June & 30 <sup>th</sup> June 2022	Department of Seed Certification and Organic Certification, Madurai.	Farmers' Training Programme	Seed Production

**FACULTY CONTRIBUTED AS AN EXTERNAL JURY MEMBERS**

S. No	Name of the Faculty	Name and address of the college been as a External Jury Members	Date	Subject
1.	Dr. N. Lakshmi Thilagam	School of Planning and Architecture, Vijayawada.	27.05.2022 to 28.05.2022	External Jury Member for the subject "Research Methodology (MBEM123) and Research Methodology (MSAR125)" of Master of Building Engineering and Management (I Year II Semester) and Master of Sustainable Architecture (I Year II Semester)
2.	Ar. L. Vinu Pandyan	SRM Institute of Science and Technology, Ramapuram, Chennai	10.05.2022	External Jury Member for the subject 16AR408 – Architectural Design Studio VII

**NPTEL TOP PERFORMING MENTOR**

Dr. M. Ramaganesh, Assistant Professor, Department of Mechanical Engineering has conferred with NPTEL Top Performing Mentor for guiding UG students in clearing the NPTEL certification exam for the course operations management held during Jan - Apr 2022.

**NPTEL**

**CERTIFICATE OF APPRECIATION**  
is awarded to

**RAMAGANESH M**  
**KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION**  
VIRUDHUNAGAR, TAMIL NADU

in recognition of his/her role as mentor for the  
NPTEL Online Certification course

**OPERATIONS MANAGEMENT**  
**JAN - APR 2022**

Mentees Enrolled	Mentees Present	Score (in %)					Toppers
		<40	40-59	60-74	75-89	>=90	
80	48	3	14	20	9	2	3

**PROF. ANDREW THANGARAJ**  
NPTEL Coordinator  
IIT Madras



### 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 Advanced Sciences	2
2.	School of Automotive and Mechanical Engineering	70
3.	School of Bio and Chemical Engineering	83
4.	School of Computing	282
5.	School of Electronics and Electrical Technology	189
6.	School of Liberal Arts and Education	3

#### INTERNSHIP

The Catering Science and Hotel Management students' of 2021 batch underwent trainings in various parts of India, The Hyatt Regency Kolkata, Novotel Varun Beach Vizag, Le Royal Meridien Chennai and Courtyard by Marriott Chennai.

S. No	Department	Internship Type	Date	No of Students	Company Name
1	Information Technology	3-week Internship	14.06.2022 - 04.07.2022	1	Government of NCT Delhi
2	Commerce	To know about Human Resources	18.07.2022 – 30.07.2022	1	Hyundai MOBIS, Kancheepuram

#### ACTIVITY OF PHYSICAL EDUCATION

Department of Physical Education has conducted 38<sup>th</sup> Annual Day Sports Meet – 2022 on 27.04.2022 at 5.30pm. Dr. G.T. Selvaganesh, Head, Physical Education delivered a Welcome Address. Dr. S. Shasi Anand, Vice President has delivered a Presidential Address. Dr. V. Vasudevan, Registrar and Dr. M. Muthukannan, Director, Student Affairs has delivered a felicitation Address. Mr. B. Raja, District Sports and Youth Welfare officer, Virudhunagar has delivered a Special Address. 35 Sports events were conducted and 780 students were participated in this Sports Meet. Mr. V. Kalai Selvan and Ms. Chidura Sreenidhi won individual championship. School of Computing students has won overall championship. The winners were honored by the Chief Guest Mr. B. Raja, DSO, Virudhunagar. Dr. S. Vijayalakshmi, Assistant Physical director has delivered vote of Thanks.

**KALASALINGAM**  
**ACADEMY OF RESEARCH AND EDUCATION**  
**(DEEMED TO BE UNIVERSITY)**  
 Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade  
 Anand Nagar, Krishnankoil - 626126. Srivilliputtur (Via), Virudhunagar (Dt), Tamil Nadu | info@kalasalingam.ac.in | www.kalasalingam.ac.in

**DEPARTMENT OF PHYSICAL EDUCATION**  
**38<sup>th</sup> ANNUAL DAY SPORTS MEET-2022**

**Chief Guest**  
**Mr. B. RAJA, B.A., NSNIS**  
 District Sports and Youth Welfare Officer  
 Virudhunagar

**Date & Time**  
 27<sup>th</sup> April 2022  
 @ 5.30 pm

**Venue**  
**KARE Sports Arena**

**All are Welcome**



**ACTIVITIES OF NCC**

4 Tn Engr Coy NCC conducted Combined Annual Training Camp for NCC cadets as mandatory camp for NCC certificate examination and Feeder Camp for RDC and TSC. For that, a cadre camp was organized by 4 (TN) Engr Coy NCC in NCC Training Area, Idayapatti from 10.4.2022 to 19.04.2022.



Cadets practicing firing during camp on 14.04.2022



Cadets giving GoH for NCC Group Commander during the Grp Camp visit.



**INTERNATIONAL YOGA DAY**

The International Yoga Day was celebrated at college playground and the NCC cadets performed yoga between 7.00 to 7.35am. ANO addressed the gathering on this occasion and explained the benefits of practicing Yoga in daily life. This session includes chanting of “Pranay Mantra OM” followed by Surya namaskar, Vajrasana, Baddha Konasana, Dhanurasana, Nadi Shodhan Pranayama, Savasana. In addition to this the friends and family members of KARE NCC cadets also practiced various asanas in cadet’s locality.



Cadets practicing yoga at instiution permises



Cadets practicing yoga at cadets locality with family and friends



**ACTIVITY OF TAMIL MANDRAM  
VALAM'2K22**

Tamil Mandram celebrated Tamil New year celebration in the name of **VALAM'2022** on 24.04.2022 Dr. K.S. Krishnan Auditorium. In this event 458 students participated and got prizes. In this occasion seven events namely Poetry, As you like it, Mannequin, Nature photography, Dance, Bharatham and Silambam.





**ALUMNI ENGAGEMENT**

S. No	Department	Event Name	No of Days	Venue	No of Alumni	Date
1.	Information Technology	Cybernauts Club	1	Online	1	07-05-2022

**INDUSTRIAL VISIT**

Third year BBA Students along with faculty members, Dr. K. Ravindran and Dr. G.E. Barkavi visited MASCO Tea Factory at Vagamon on 02.04.2022



Architecture department organised a Four-Day Case study visit for II<sup>nd</sup> Year students' batch of 2020 from 17<sup>th</sup> April 2022 to 20<sup>th</sup> April 2022, as part of the Course ARC17R285 - Architecture Design II for various Primary Health Care Centre at Auroville, Pondicherry. During the visit Prof. H. Ahamed Fazeel Akram & Prof. Chris Abisha accompanied the students.

Agriculture and Horticulture department organised an Educational Tour (Exposure Visit) for students of their department from 29.04.2022 to 13.05.2022. During the visit Dr. K. Kannabiran and Dr. K. Selvarani accompanied the students.



Spices Board, Cochin, Kerala.



MANAGE-Hyderabad





ICRISAT-Hyderabad



IIMR-Hyderabad



GKVK- Bangalore





IIHR-Bangalore



NAARM- Hyderabad



CIMAP-Karnataka




**4. RESEARCH**





**SEMINARS, CONFERENCES, WORKSHOPS, TRAINING PROGRAMS, CERTIFICATION PROGRAMS, GUEST LECTURE, WEBINAR AND THONS ORGANIZED**

S. No	Title	Department	Date	No. of Attendees
1.	Industry 4.0	Electrical and Electronics Engineering	02.04.2022 & 03.04.2022	18
2.	Industry Expert Guest Lecture	Biotechnology	05.04.2022	23
3.	Insights on spectroscopic Instruments	Physics	08.04.2022	26
4.	Natural Building Techniques	Architecture	17.04.2022 - 20.04.2022	14
5.	One Day Workshop on Lab Safety and Management	Biotechnology	20.04.2022	15
6.	Independent Film making and OTT Marketing Strategies	Visual Communication	20.04.2022	35
7.	Code War	Computer Science and Engineering	22.04.2022	449
8.	Technophilia'22	Computer Science and Information Technology	22.04.22	326
9.	Recent Trends in IoT Technology	Computer Science and Engineering	23.04.2022	173
10.	MLOPS	Computer Science and Engineering	23.04.2022	450
11.	Cyber Security Tools and Techniques	Computer Science and Engineering	23.04.2022	112
12.	Digital Dreams 2022	Computer Science and Engineering	23.04.2022	920
13.	STEM Education & IEEE Pre-University Educational Resources	Electrical and Electronics Engineering	23.04.2022	30
14.	IBM ICE Day 2022	Computer Science and Engineering	25.04.2022 & 26.04.2022	845
15.	MMA Student Chapter Inauguration	Business Administration	25.04.2022	120
16.	NIPM Student Chapter Inauguration	Business Administration	26.04.2022	110
17.	Role of Nextgen in India's Economy	Commerce	26.04.2022	32
18.	Dr. A P J Abdul Kalam Young Scientist Award – CSP Project Competition (Sponsored by IETE)	Electronics and Communication Engineering	27.04.2022	60
19.	ELEXRIEG 2K22	Electronics and Communication Engineering	28.04.2022	158
20.	ASTHIVAAR-2K22	Civil Engineering	29.04.2022	40

S. No	Title	Department	Date	No. of Attendees
21.	EDS Student Branch Chapter	Electrical and Electronics Engineering	29.04.2022	56
22.	INFOSPARKS 2022	Information Technology	29.04.2022	120
23.	Changing role of People in Technological Development (Future and People Focused Skills)	Business Administration	04.05.2022	70
24.	Webinar on Emotional Intelligence	Business Administration	06.05.2022	60
25.	Scientific Research on materials Instrumentation	Physics	06.05.2022 & 07.05.2022	30
26.	Talent Show-2021-22	Chemistry	07.05.2022	63
27.	Cybernavts Club	Information Technology	07.05.2022	50
28.	Machine Learning Using Python	Computer Science and Engineering	24.05.2022 - 28.05.2022	72
29.	RPA Design and Development	Computer Science and Engineering	24.05.2022 - 28.05.2022	21
30.	CCNA Cyberops	Computer Science and Engineering	24.05.2022 - 28.05.2022	76
31.	AWS Cloud Foundation	Computer Science and Engineering	24.05.2022 - 28.05.2022	103
32.	IoT Using Arduino	Computer Science and Engineering	24.05.2022 - 28.05.2022	112
33.	Blue Prism	Computer Science and Engineering	24.05.2022 - 28.05.2022	53
34.	Cyber Physical System Modeling, Simulation and Analysis	Electrical and Electronics Engineering	03.06.2022 & 04.06.2022	58
35.	BOSCH BRIDGE	Social Work	16.06.2022	20
36.	Why and How to Crack ICAR -JRF	KSAH	29.06.2022	47

**PHD VIVA- VOCE EXAMINATION DEFENDED BY FACULTY MEMBERS**

Name of the faculty member and department	Supervisor	Thesis title	Data of viva-voce examination
 Mr. P. Naveen, Department of Electronics and Communication Engineering	Dr. P. Sivakumar	A Hyperledger Fabric - Based System Towards Face Recognition	18.04.2022

Name of the faculty member and department		Supervisor	Thesis title	Data of viva-voce examination
Mr. SKM. Pothinathan, Department of Civil Engineering		Dr. M. Muthukannan	Influence of Glycoluril-Formaldehyde on the Bond Strength of Repaired Concrete	23.05.2022
	Mr. M. Karuppasamyandian, Department of Electrical and Electronics Engineering	Dr. P. Arunajeyanthi	A Novel Approach for Day Ahead Dynamic Available Transfer Capability Estimation In Renewable Integrated Deregulated Power System	27.05.2022
Mr. I. Rajkumar, Department of Mechanical Engineering		Dr. N. Rajini Dr. T. Ram Prabhu	Experimental Investigation of Gating Design and Simulation on the Sand-Casting Products for Various Case Studies	23.06.2022
	Mr. M. Purusothaman, Department of Mechanical Engineering	Dr. S. Rajesh	Mechanical and Machinability Characteristics of Al-NiTi/SiC Hybrid Composite Materials	29.06.2022

#### PROJECT GRANTS RECEIVED FROM GOVERNMENT AGENCIES

No	Principal Investigator	Title of the Project	Funding Agency	Sanctioned Amount (Rs)	Letter Number and Date
1.	Dr. S. Saravanakumar, Department of Physics	SERB International Research Experience Fellowship	DST-SERB	1533636	SIR/2022/000347 12.05.2022
2.	Dr. P. Devendran, Department of Physics	INSA Visiting Scientist Fellowship	INSA	30000	INSA/SP/VSP-27/2022-23 12.05.2022

#### FACULTY AWARDS

No	Faculty Name	Awarding Agency	Agency name	Award name	Date
1.	Dr. V. Yegnanarayanan	International Body	Asian Research Journal of Mathematics	Certificate of Excellence in Reviewing	16.04.2022

No	Faculty Name	Awarding Agency	Agency name	Award name	Date
2.	Dr. S. Bathrinath	International Body	Novel Research Academy	National Faculty Award 2021-2022	20.04.2022
3.	Dr. K. Mukilan	Private Organization	Novel Research Academy	Best Young Faculty Award	20.04.2022
4.	Dr. K. Pandiaraj	Private Organization	Galgotias college of Engineering and Technology	Conference Session Chair	28.04.2022
5.	Dr. Viji S	Central Government	Nehru Yuva Kendra	Participation in Yoga Fest	21.06.2022

#### RECOGNITION

- Dr. C. Sivapragasam, Professor, department of Civil Engineering served as the external review member for evaluation of promotion application - University of Peradeniya, Sri Lanka in June 2022.
- PhD Thesis Examiner for Visvesvaraya Technological University, Karnataka on 30.05.2022 at SJB Institute of Technology, Bangalore.
- Dr. S. Bathrinath acted as a Question paper Scrutinizing Board Member (Industrial Engineering Division) for APJ Abdul Kalam Technological University, Trivandrum, Kerala.
- Dr. S. Bathrinath was nominated as a Anna University Doctoral Committee Member for two PhD candidates.



## 5. MISCELLANEOUS

### IQAC MEETING

The IQAC quarter meeting was held on 28.04.2022. 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:

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



**SCOPUS LISTED PUBLICATIONS DURING APRIL - JUNE 2022**

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
1.	Rosy J.C., Ravinarayanan H., Gokila P., Navamuthamani T., Marimuthu S.C.V., Kunjiappan S., Sundar K.	In Silico Screening of Natural Metabolites as Inhibitors of Biosynthesis and Transport of Enterobactin	2023	Bio interface Research in Applied Chemistry	13	2	125		
2.	Mohan U.P., Kunjiappan S., Tirupathi Pichiah P.B., Arunachalam S.	Doxorubicin Disrupts the Calcium Homeostasis through its Antagonistic Activity on PINK1-An In-silico Approach	2023	Bio interface Research in Applied Chemistry	13	1	82		
3.	Mohan U.P., Kunjiappan S., Tirupathi Pichiah P.B., Babkiewicz E., Maszczyk P., Arunachalam S.	Exploring the Role of Melatonin in Meditation on Cardiovascular Health	2023	Bio interface Research in Applied Chemistry	13	1	64		
4.	Rajam R., Subramanian P.	Encapsulation of probiotics: past, present and future	2022	Beni-Suef University Journal of Basic and Applied Sciences	11	1	46		
5.	Mathew Kurian G., Aruna Jeyanthi P., Devaraj D.	FPGA implementation of FLC-MPPT for harmonics reduction in sustainable photovoltaic system	2022	Sustainable Energy Technologies and Assessments	52		102192		
6.	Nallathambi I., Ramar R., Pustokhin D.A., Pustokhina I.V., Sharma D.K., Sengan S.	Prediction of influencing atmospheric conditions for explosion Avoidance in fireworks manufacturing Industry-A network approach	2022	Environmental Pollution	304		119182		

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
7.	Baranitharan B., Sivapragasam C., Rajesh K.	An analysis of statistical distributions of energy requirement in western part of India	2022	Renewable Energy Focus	41			198	205
8.	Viswanathan T.M., Krishnakumar V., Senthilkumar D., Chitradevi K., Vijayabhaskar R., Kannan V.R., Kumar N.S., Sundar K., Kunjiappan S., Babkiewicz E., Maszczyk P., Kathiresan T.	Combinatorial Delivery of Gallium (III) Nitrate and Curcumin Complex-Loaded Hollow Mesoporous Silica Nanoparticles for Breast Cancer Treatment	2022	Nanomaterials	12	9	1472		
9.	Arunpandian M., Khan M.R., Busquets R., Selvakumar K., Raja A., Arunpandian S., Arivarasan A., Arunachalam S., Nagarajan E.R.	Fabrication of novel Ce <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> /ZnO@GO nanocomposite for superior photocatalytic performance under visible light and supercapacitor applications	2022	Diamond and Related Materials	125		109026		
10.	Balamurugan G., Gowthaman S.	Effect of split injection in di diesel engine with varying injection proportion	2022	AIP Conference Proceedings	2405		50015		
11.	Sivageerthi T., Sankaranarayana n B., Ali S.M., Alarjani A., Karuppiah K.	Modeling Challenges for Improving the Heat Rate Performance in a Thermal Power Plant: Implications for SDGs in Energy Supply Chains	2022	Sustainability (Switzerland)	14	8	4510		

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
12.	Mohapatra R.K., Hong T.-P.	On the Number of Finite Fuzzy Subsets with Analysis of Integer Sequences	2022	Mathematics	10	7	1161		
13.	Palanisamy S., Kalimuthu M., Azeez A., Palaniappan M., Dharmalingam S., Nagarajan R., Santulli C.	Wear Properties and Post-Moisture Absorption Mechanical Behavior of Kenaf/Banana-Fiber-Reinforced Epoxy Composites	2022	Fibers	10	4	32		
14.	Velumani R., Sudalaimuthu H., Choudhary G., Bama S., Jose M.V., Dragoni N.	Secured Secret Sharing of QR Codes Based on Nonnegative Matrix Factorization and Regularized Super Resolution Convolutional Neural Network	2022	Sensors	22	8	2959		
15.	Arivendan A., Jappes W., Irulappasamy S., Chris B.	WATER HYACINTH (EICHHORNIACRASSIPES) POLYMER COMPOSITES PROPERTIES - AQUATIC WASTE INTO SUCCESSFUL COMMERCIAL PRODUCT	2022	Metallurgical and Materials Engineering	28	1		157	169
16.	Vijay Arputharaj J., Kumar M.A., Ponsuresh M., Ganesan P.R.	HYBRID GENETIC DISCRETIZATION MODEL WITH PARENTAL COMPARISON USING CORRELATION CLUSTERING FOR DISTRIBUTED DNA DATABASES	2022	Journal of Theoretical and Applied Information Technology	100	5		1390	1403
17.	Ram H.S., Uthayakumar M., Kumar S.S., Kumaran S.T., Korniejenko K.	Modelling Approach for the Prediction of Machinability in Al6061 Composites by Electrical Discharge Machining	2022	Applied Sciences (Switzerland)	12	5	2673		



No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
18.	Balaji L., Muthukannan M., Devi R.K.	A GIS-Based Study of Air and Water Quality Trends in Madurai City, India	2022	Nature Environment and Pollution Technology	21	1		21	32
19.	Krishnasamy S., Muthukumar C., Thiagamani S.M.K., Rangappa S.M., Siengchin S.	Sandwich Composites: Fabrication and Characterization	2022	Sandwich Composites: Fabrication and Characterization				1	388
20.	Nithyaa A.N., Aarthi V.P., Lakshmi C., Manjari K., Gokul M.	An arm assisting device to enable flexion and extension for stroke victims	2022	Materials Today: Proceedings					
21.	Sudar K.M., Nagaraj P., Muneeswaran V., Swetha S.K.J., Nikhila K.M., Venkatesh R.	An Empirical Data Analytics and Visualization for UBER Services: A Data Analysis Based Web Search Engine	2022	2022 International Conference on Computer Communication and Informatics, ICCCI 2022					
22.	Hanumann T., Swamy N.V.V.S.N., Gowtham P., Sumathi R., Chinnasamy P., Kalaiarasi A.	Plant Monitoring System Cum Smart Irrigation using Bolt IOT	2022	2022 International Conference on Computer Communication and Informatics, ICCCI 2022					

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
23.	Ramu T., Muthukumar A.	A Google Net architecture based Facial emotions recognition using EEG data for future applications	2022	2022 International Conference on Computer Communication and Informatics, ICCCI 2022					
24.	Perumal B., Nagarai P., Venkatesh R., Muneeswaran V., Gopishankar Y., Saikumar A., Koushik A., Anil B.	Real Time Transformer Health Monitoring System Using IoT in R	2022	2022 International Conference on Computer Communication and Informatics, ICCCI 2022					
25.	Rajeshkumar K., Dhanasekaran S., Vasudevan V.	Applications of Machine Learning Algorithms for HDFS Big Data Security	2022	2022 International Conference on Computer Communication and Informatics, ICCCI 2022					
26.	Nagaraj P., Birunda S.S., Venkatesh R., Muneeswaran V., Narayanan S.K., Shree U.D., Sunethra B.	Automatic and Adaptive Segmentation of Customer in R framework using K-means Clustering Technique	2022	2022 International Conference on Computer Communication and Informatics, ICCCI 2022					
27.	Niyas S., Winowlin Jappes J.T., Adamkhan M., Brintha N.C.	An effective approach to predict the minimum tool wear of machining process of Inconel 718	2022	Materials Today: Proceedings					

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
28.	Sumathi R., Alagarsamy S., Nagaraj P., Venkatesh R.	Detection of Tumor Region in MRI Images Using Kernel Fuzzy C Means with PSO	2022	2022 International Conference on Computer Communication and Informatics, ICCCI 2022					
29.	J S., Thiagamani S.M.K., Muthu Kumar C., Krishnasamy S., G.R A., S M.	Erosion characteristics of epoxy-based Jute, Kenaf and Banana fibre reinforced hybrid composites	2022	Materials Today: Proceedings					
30.	Yogesh P., Shinde S.K., Shyamlal C., Suresh Kumar R., Rinawa M.L., Puthilibai G., Sudhakar M., Negash K., Rajesh S.	Mechanical Strengthening of Lightweight Aluminium Alloys through Friction Stir Process	2022	Advances in Materials Science and Engineering	2022		8907250		
31.	Raj B.A., Jappes J.T.W., Khan M.A., Dillibabu V., Jesudoss Hynes N.R.	Studies on Mechanical Attrition and Surface Analysis on Heat-Treated Nickel Alloy Developed through Additive Manufacturing	2022	Advances in Materials Science and Engineering	2022		4861346		
32.	Kumar P.S.S.R., Mashinini P.M., Khan M.A.	Creep behaviour of shock wave surface treated aluminium-MWCNT nanocomposites	2022	Emerging Materials Research					
33.	BrabinWinsley J.B., Muthukannan M.	A study on strength parameters of concrete with expanded fly ash clay aggregate	2022	Materials Today: Proceedings	56			3484	3489

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
34.	Nandhinilakshmi M., Vanitha D., Nallamuthu N., Anandha Jothi M., Sundaramahalingam K.	Structural, electrical behavior of sodium ion-conducting corn starch-PVP-based solid polymer electrolytes	2022	Polymer Bulletin					
35.	Narla V.L., Kachhoria R., Arun M., Haldorai A., Vijendra Babu D., Jos B.M.	IoT based energy efficient multipath power control for underwater sensor network	2022	International Journal of System Assurance Engineering and Management					
36.	Bathrinath S., Mohan S., Koppiahraj K., Bhalaji R.K.A., Santhi B.	Analysis of factors affecting sustainable performance in construction sites using fuzzy AHP-WASPAS methods	2022	Materials Today: Proceedings					
37.	Sharun V., Rajasekaran M., Kumar S.S., Tripathi V., Sharma R., Puthilibai G., Sudhakar M., Negash K.	Study on Developments in Protection Coating Techniques for Steel	2022	Advances in Materials Science and Engineering	2022		2843043		
38.	Karthik T.S., Krishna R.V.V., Ramakrishna Rao T.K., Manoranjithem V., Kalaiarasi S., Jegajothi B.	Evolutionary Optimization Algorithm on Content based Image Retrieval System using Handcrafted features with Squeeze Networks	2022	Proceedings of the 2nd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2022				1425	1431

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
39.	Jeyaguru S., Thiagamani S.M.K., Pulikkalparambil H., Siengchin S., Subramaniam J., Rangappa S.M., Muthukumar C., Krishnasamy S.	Mechanical, acoustic and vibration performance of intra-ply Kevlar/PALF epoxy hybrid composites: Effects of different weaving patterns	2022	Polymer Composites					
40.	Sharmili P., Rajesh S., Mahendran M., Chokkalingam R.	Rheological properties of magnetorheological fluids with different base fluids and a compatible additive	2022	Indian Journal of Physics					
41.	Sampson J., Nagarajan K., Velmurugan S.P.	Design of Multimodal Fusion-Based Deep Learning Approach for COVID-19 Diagnosis Using Chest X-Ray Images	2022	Intelligent Systems Reference Library	222			73	90
42.	Panda P.K., Kumar C.S., Vivek B.S., Balachandra M., Dargar S.K.	Implementation of a Wild Animal Intrusion Detection Model Based on Internet of Things	2022	Proceedings of the 2nd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2022				1256	1261
43.	Ramkumar P., Vivek C.M., Ramasamy S., Kajavali A., Sivasubramanian M.	Experimental and numerical study using ANFIS - neuro fuzzy model on heat pipe heat exchanger	2022	Materials Today: Proceedings					
44.	Devi Parameswari C., Ilayaraja M.	Decentralized Public Distribution System on the Ethereum Blockchain Interact with MyEtherWallet	2022	Studies in Big Data	105			107	124



No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
45.	Thankam G.L., Neelakantan T.R., Gnanaraj S.C.	GGBS based alkali activated fine aggregate in concrete - Properties at fresh and hardened state	2022	International Review of Applied Sciences and Engineering					
46.	Dhanalakshmi K.S., Padmavathi R.A.	A Survey on VLSI Implementation of AES Algorithm with Dynamic S-Box	2022	Journal of Applied Security Research	17	2		241	256
47.	Siva Balan N., Murugan B.S.	Low Area FPGA Implementation of AES Architecture with EPRNG for IoT Application	2022	Journal of Electronic Testing: Theory and Applications (JETTA)					
48.	Murugan P., Jeyavijayan S., Ramuthai M., Narmadha R.B.	Structural, Spectroscopic, NBO and Molecular Docking Analysis of 5-Nitrobenzimidazole-A DFT Approach	2022	Polycyclic Aromatic Compounds					
49.	Gupta A., Dargar S.K., Raghavaiah B., Rao A.V.N.	Comparison between Rectangular Microstrip Patch Antenna with and without Defected Ground Structure at 1.85 GHz	2022	2022 International Conference for Advancement in Technology, ICONAT 2022					
50.	Selva Birunda S., Nagaraj P., Krishna Narayanan S., Muthamil Sudar K., Muneeswaran V., Ramana R.	Fake Image Detection in Twitter using Flood Fill Algorithm and Deep Neural Networks	2022	Proceedings of the Confluence 2022 - 12th International Conference on Cloud Computing, Data Science and Engineering				285	290

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
51.	Shilaja C., Kiran S.R., Murali M., Khaja Moinuddin S.M., Navani K., Yousuf S., Harshith M.	Design and analysis of global optimization methods for proton exchange membrane fuel cell powered electric vehicle system with single switch DC-DC converter	2022	Materials Today: Proceedings	52			2057	2064
52.	Adam Khan M., Winowlin Jappes J.T., Gandhimathinathan M., Thirumalai Rajan M.G., Muthuraj K.	Design and analysis on textured cutting tool	2022	Materials Today: Proceedings	52			260	265
53.	Winowlin Jappes J.T., Adam Khan M., Abinaesh Ram S., Tamil Amuthan R., Harshan P.S.	Numerical analysis of 3D printed Inconel 718 superalloy for mechanical properties and solid particle erosion studies	2022	Materials Today: Proceedings	52			239	245
54.	Manikandan P., Sivakumar P., Rajini N.	Multi-band Antenna with CSRR Loaded Ground Plane and Stubs Incorporated Patch for WiMAX/WLAN Applications	2022	Pertanika Journal of Science and Technology	30	1		35	52
55.	Dinesh Babu C., Adam Khan M., Uthayakumar M.	CED productivity improvement through conveyor jig density optimization	2022	Materials Today: Proceedings	52			246	254
56.	Adam Khan M., Winowlin Jappes J.T., Samuel Ratna Kumar P.S., Mashinini P.M.	EDM process parameter optimization using response surface methodology for Ni-Ti shape memory alloy	2022	Materials Today: Proceedings	52			1466	1471

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
57.	Winowlin Jappes J.T., Adam Khan M., Vignesh V., Chandru B., Saravanakumar R.	Design and simulation of skate scooter made of composite material	2022	Materials Today: Proceedings	52			255	259
58.	Anish Pon Yamini K., Suthendran K., Arivoli T., Ravi V.	New Approach for Advanced Energy Efficiency in MANET (AEE-M) by Improving Optimized Link State Routing Protocol Version 2 (OLSRv2)	2022	Wireless Personal Communications					
59.	Ramaraj K., Amiya G., Murugan P.R., Govindaraj V., Vasudevan M., Thiyagarajan A.	Sensors for Bone Mineral Density Measurement to Identify the Level of Osteoporosis: A Study	2022	Proceedings - 4th International Conference on Smart Systems and Inventive Technology, ICSSIT 2022				326	333
60.	Gupta A., Dargar S.K., Sabir M.	Performance analysis of 2% Fe <sub>2</sub> O <sub>3</sub> Doped Thick-film Gas Sensor in Toxic Liquid Detection Using Machine Learning Techniques	2022	Proceedings - 4th International Conference on Smart Systems and Inventive Technology, ICSSIT 2022				689	693
61.	Selvamanju E., Shalini V.B.	Archimedes Optimization Algorithm with Deep Belief Network Based Mobile Network Traffic Prediction for 5G Cellular Networks	2022	Proceedings - 4th International Conference on Smart Systems and Inventive Technology, ICSSIT 2022				370	376

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
62.	Subramanian R.R., Murali M.S., Deepak B., Deepak P., Reddy H.N., Sudharsan R.R.	Airline Fare Prediction Using Machine Learning Algorithms	2022	Proceedings - 4th International Conference on Smart Systems and Inventive Technology, ICSSIT 2022				877	884
63.	Wari R.M., Nila K.V., Dhananjeyan V.R., Teja K.B.S., Prabhas K.V.	Flower perception using Convolution Neural Networks based Escalation of Transfer learning	2022	Proceedings - 4th International Conference on Smart Systems and Inventive Technology, ICSSIT 2022				1108	1113
64.	Prasanth P.V., Sahaya Raj M., Jappes J., Jayaram R.S.	Study of matrix modifications by nano-clay on the mechanical properties of AA3003 honeycomb sandwich panels	2022	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science					
65.	Robert M.C., Pavithra N., Saravanan R., Saravanakumar S.	Local structure and electron density distribution analysis of tin(II) sulfide using pair distribution function and maximum entropy method	2022	Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences					
66.	Kanna G.P., Vasudevan V.	An improved privacy aware secure multi-cloud model with proliferate ElGamal encryption for big data storage	2022	International Journal of Information and Computer Security	17	01-Feb		1	20

No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
67.	Uthirasamy N., Tamilvanan K., Kabeto M.J.	Ulam Stability and Non-Stability of Additive Functional Equation in IFN-Spaces and 2-Banach Spaces by Different Methods	2022	Journal of Function Spaces	2022		8028634		
68.	Dhanasekaran S., Kumar K.P.M., Kumar A.S., Jeya R., Rajasekaran S., Murugan B.S., Rajasubramanian R.	Intelligent metaheuristic cluster-based wearable devices for healthcare monitoring in telemedicine systems	2021	Wearable Telemedicine Technology for the Healthcare Industry: Product Design and Development				109	122
69.	Parameswari D.C., Ilayaraja M.	Design family health management system based on ethereum blockchain interaction with MyEtherWallet using solidity	2021	Blockchain Technology and Applications for Digital Marketing				126	142
70.	Sankar J., Kumar S.S.	Synthesis of Rare Earth Based Pyrochlore Structured (A <sub>2</sub> B <sub>2</sub> O <sub>7</sub> ) Materials for Thermal Barrier Coatings (TBCs)-A Review	2021	Current Applied Science and Technology	21	3		601	617
71.	Behera A., Aich S., Theivasanthi T.	Magnetron sputtering for development of nanostructured materials	2021	Design, Fabrication, and Characterization of Multifunctional Nanomaterials				177	199
72.	Mahesh Kumar R., Rajini N., Mayandi K., Ayrilmis N., Srisuryadharan M., Venkatesh P., Vijayakumar M.	Analysis on Thermal Properties of Polyethylene-Vinyl Acetate (PEVA) Matrix with Polytetrafluoroethylene (PTFE) Particle-Reinforced Composites	2021	Springer Proceedings in Materials	7			187	193
73.	Rajendran M., Shanmugavel R., Ramanathan R.	Study on Emission Analysis of Tamarind-Based Ground-Level Pyrotechnics	2021	Springer Proceedings in Materials	7			629	635



No	Authors	Title	Year	Source title	Volume	Issue	Art. No./D.O.I	Page start	Page end
74.	Manikandan R., Pradeep Kannan P., Rajpradeesh T., Rajesh S.	Risk Assessment Using Bow-Tie Tool in Cement Industry	2021	Springer Proceedings in Materials	5			437	445
75.	Thangaraj R.P., Pandian A.R., Ponnusamy V., Rajenderan M.	Quantitative Risk Analysis Using HIRA in an Automotive Manufacturing Sector	2021	Springer Proceedings in Materials	5			403	415
76.	Rajpradeesh T., Saravanamani M., Manikandan R., Venkumar P.	Risk Assessment of Machining and Assembly Line in Automotive Industry	2021	Springer Proceedings in Materials	5			263	275
77.	Manivannan J., Rajesh S., Mayandi K., Ayrilmis N.	Influence of Aroma Skin Reinforcement on Erosive Behavior of Polyester Composites	2021	Springer Proceedings in Materials	7			661	666
78.	Chandrasekar M., Venkatanarayana n P.S., Senthilkumar K., Kumar T.S.M., Siengchin S., Britto J.J.	Computational modeling of biocomposites	2021	Green Biocomposites for Biomedical Engineering: Design, Properties, and Applications				19	34
79.	Senthilkumar K., Nandi D., Chandrasekar M., Kumar T.S.M., Karthikeyan S., Parameswaranpillai J., Siengchin S.	An overview of metal oxide-filled biocomposites	2021	Green Biocomposites for Biomedical Engineering: Design, Properties, and Applications				97	111

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81.	Relangi N., Ingenito A., Jeyakumar S., Hussain K.F.	NUMERICAL INVESTIGATIONS OF FUEL INJECTION TECHNIQUES IN A CAVITY-BASED SCRAMJET	2021	Proceedings of the International Astronautical Congress, IAC	C4				
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83.	Nair A., Kumanan S., Shanavas K.P.	Multi-performance optimization in wire EDM of Inconel 617 using GRA and genetic algorithm	2021	Materials Today: Proceedings	50			1354	1366
84.	Sreeraj P., Kumaran S.T., Kumar S.S., Uthayakumar M., Pethuraj M.	Application of MCDM based hybrid optimization of WEDM process parameters	2021	Materials Today: Proceedings	50			1186	1192
85.	Sivageerthi T., Bathrinath S., Uthayakumar M., Bhalaji R.K.A.	A SWARA method to analyze the risks in coal supply chain management	2021	Materials Today: Proceedings	50			935	940
86.	Nair A., Kumanan S., Shanavas K.P.	Heuristic optimization techniques in abrasive water jet hole making - A case study	2021	Materials Today: Proceedings	50			1291	1299

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92.	Sampson J., Sivakumar P., Velmurugan S.P.	Simulation and Performance Analysis of a Triple-material Gate GAA SNSTFT	2020	Journal of Nano- and Electronic Physics	12	6	6006		

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104.	Chinnaiah K., Kannan K., Sivaganesh D., Gurushankar K.	Electrochemical performance and charge density distribution analysis of Ag/NiO nanocomposite synthesized from Withania somnifera leaf extract	2022	Inorganic Chemistry Communications	141		109580		
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