Annual Report 2021-22



PREPARED BY THE OFFICE OF ACCREDITATION AND RANKING



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1. GENERAL

PARTICIPATION IN RANKING AND ACCREDITATIONS

- THE Subject validation 2021 Data was submitted successfully on 01.07.2021.
- Mental Health Wellbeing (MHW) Kalasalingam Academy of Research and Education is ranked 8th across India and has been positioned in the 'A1 Band: Institution of Excellence' category on 05.07.2021.
- CAREERS 360 Our University has been ranked "AAAA" among the Central/Deemed/State Private Universities in Tamil Nadu on 14.07.2021.
- Times Higher Education (THE) Impact Ranking 2022 Registration done successfully on 23.07.2021.
- Our university is ranked 5th among all Top Private Institutions in the Times of India Survey, on 27.07.2021
- Times Higher Education (THE) World Ranking 801-1000 Band Overall (International) on 02.09.2021.
- KARE was ranked in NIRF 2021 as follows. KARE was ranked one among the top 50, under university category on 09.09.2021.
 - University 50
 - **Engineering 56**
 - Overall 74



- KARE has been ranked in the Times Higher Education (THE) World University Rankings 2022 based on subjects on 16.09.2021 as follows:
 - Physical Sciences Ranked 601–800
 - Engineering Ranked 601–800
 - Computer Science Ranked 401-500
 - Emerging Economies Ranked 301-350

- KARE has been ranked the 21st in Private Institutions and the 30th in Overall in Times Engineering Ranking Survey, 2021.
- KARE has been ranked 3rd place in IKS (Indian Knowledge System) on 05.09.2021 in AICTE Clean and Smart Campus Award.
- On 06.10.2021 in the THE Subject Validation KARE has been Ranked as follows:
 - Ranked 601–800 in Engineering
 - Ranked 401-500 in Computer Science
- On 19.10.2021 in the THE Subject Validation KARE has been Ranked 301-350 in Emerging Economies.
- KARE has been Ranked 601-650 in QS Asia University Ranking 2022 on 02.11.2021.
- KARE participated in the THE Impact Ranking by submitting data on 19.11.2021.
- KARE participated in the Green Metric by submitting data on 20.11.2021.
- The following programmes successfully submitted the data for NBA prequalifiers on 31.12.2021
 - 1. B.Tech. CSE
 - 2. B.Tech. ECE
 - 3. B.Tech. Biotech
 - 4. B.Tech. Food Tech
 - 5. B.Tech. IT
 - 6. M.Tech. Industrial Safety
 - 7. M.Tech. Structural Engineering
 - 8. B.Tech. Biotechnology
- eSAR for the following 3 Programmes has been submitted to NBA on 25.02.2022.
 - 1. B.Tech. Biotechnology
 - 2. B.Tech. Computer Science and Engineering
 - 3. B.Tech. Electronics Communication and Engineering
- eSAR for the following 5 Programmes has been submitted to NBA for fresh NBA Accreditation on 04.03.2022.
 - 1. B.Tech. Food Technology
 - 2. B.Tech. Information Technology
 - 3. M.Tech. Biotechnology
 - 4. M.Tech. Industrial Safety Engineering
 - 5. M.Tech. Structural Engineering
- KARE has submitted the data for THE World University Ranking on 06.04.2022.
- 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+

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



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 -300rd Rank Band in THE Asia University Rankings 2022.



AICTE NATIONAL LEVEL CLEAN AND SMART CAMPUS AWARD 2020

KARE has been awarded the $3^{\rm rd}$ prize by AICTE on 05.09.2021 for the application of Indian Knowledge Systems in maintaining the campus as a clean and smart campus.



Our Honorable Vice President Dr. S. Shasi Anand receiving the Certificate of Excellence from Honorable Minister of Education Shri. Dharmendra Pradhan.

INDEPENDENCE DAY CELEBRATION

The 75th Independence Day was celebrated in KARE campus on 15.08.2021. Thiru. K. Dharmaraj, Special Officer, Finance Office, was the chief guest.



TAIWAN EDUCATION CENTRE

Kalasalingam Academy of Research and Education signed an MoU with Taiwan Education Centre and was inaugurated on 16th November 2021. The photo was shot on the day of inauguration with the Vice President Dr. Shasi Anand, the Vice-Chancellor Dr. Nagaraj Ramrao, the Registrar Dr. V. Vasudevan along with Mr. Peters Chen - Director of Education Division and Prof. Dr. Chin Tsan Wang - Director of Science Division.







34TH CONVOCATION

The 34th convocation was held on 10th December, 2021 and 1708 students were awarded degrees which includes undergraduate, post graduate, Doctoral degrees. Chief guest Sanghamitra Bandyopadhyay, Director, Indian Statistical Institute, Kolkata, distributed the degrees to rank holders and Ph.D. students, while the guest of honour Subramani Ramakrishnan, Director, Workforce Management, IBM Ltd., Chennai distributed the certificates.



VIBRANT GUJARAT CONFERENCE

International Conference of Academic Institutions was organised on the 5th and the 6th of January, 2022 at Vigyan Bhavan, Science City, Ahmedabad, Gujarat in co-ordination with the Ministry of Education, Government of India and globally renowned universities under the aegis of Vibrant Gujarat Global Summit 2022. Our Vice Chancellor Prof. Nagaraj Ramrao was one of the panelists of Vibrant Gujarat Conference on Interdisciplinary Education.





REPUBLIC DAY CELEBRATION

National Cadet Corps, KARE celebrated the **73**rd Republic Day on 26.01.2022 in a memorable way. The chief guest of the day **Dr. V. Vasudevan**, Registrar, KARE unfurled the tricolor flag and given the stimulating speech of the day. Followed by solemn pledge and National Anthem, the program wound up by **10:30am**. Sweets was distributed among the participants.



SCIENCE AND TECH INNOVATION EXPO

ACIC-KIF organized an Exhibition with LRDE, DRDO, Bangalore, IEEE, India, IGCAR, Chennai and C-DAC, Bangalore in 19th March 2022 at Maditssia Auditorium, Madurai by CEO Dr. B. Subathra, Vice President Dr. Shasi Anand Sridharan, and Chief guest of the event was the Director, IGCAR, Dr. B. Venkatraman.



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 10th 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 1st May 2022.



INTERNATIONAL RESEARCH CENTRE

- ➤ The International Research Center 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 23rd May 2022.
- ➤ The ACIC-KIF received grant for developing precision agriculture test-bed from MeitY on 1st May 2022.

UGC EXPERT COMMITTEE

On 25th March 2022 an expert committee constituted by UGC headed by Dr. N.V. Ramana Rao, Director, National Institute of Technology -Warangal visited KARE regarding awarding UGC 12B status. Prof. Paulraj Rajamani from Jawaharlal Nehru University, New Delhi; Prof. Anjana Gosain, University School of Information, Communication & Technology, Guru Gobind Singh Indraprastha University, New Delhi and Dr. Neel Sarovar Bhavesh, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi accompanied as visiting committee members coordinated by Dr. Naresh Kumar Sharma, Under Secretary, UGC, New Delhi.



ISTE CONVENTION 2022

The 24th 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 22nd 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 was organised on "Production of Eco friendly and Economical Geopolymer-based Products" on 27th April 2022 to 29th April 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 25th and 26th 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 25th April 2022 and 26th April 2022 at the Raj Bhavan in Udhagamandalam. 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 FDPS

S. No	Type of Program	No. of Faculty Members attended
1	FDPs	<mark>377</mark>
2	STTPs	<mark>26</mark>
3	ONLINE/REFRESHER COURSES	<mark>18</mark>
4	ORIENTATION	<mark>10</mark>

RESEARCH, INNOVATION AND RANKING WEBINAR

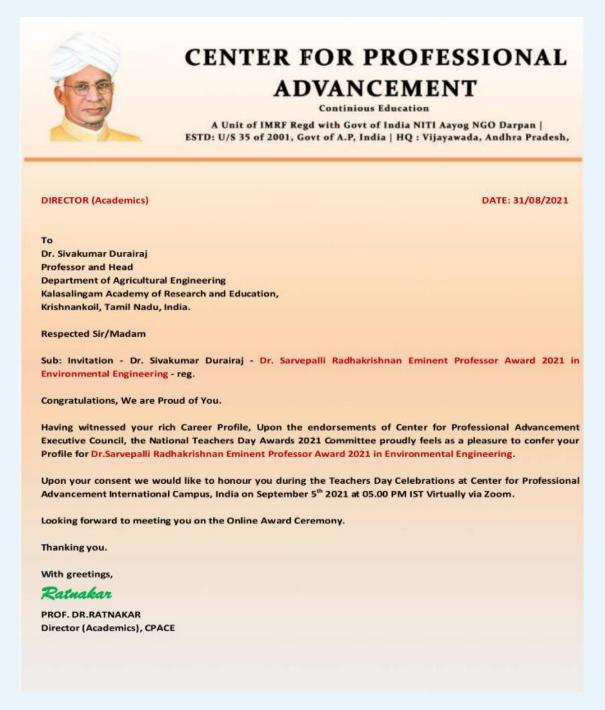
National Webinar on Research, Innovation and Ranking was organised on 11.08.2021 by MoU Innovation Cell – AICTE through online mode. Our Honorable Vice- Chancellor Prof. Dr. R. Nagaraj was a resource person.



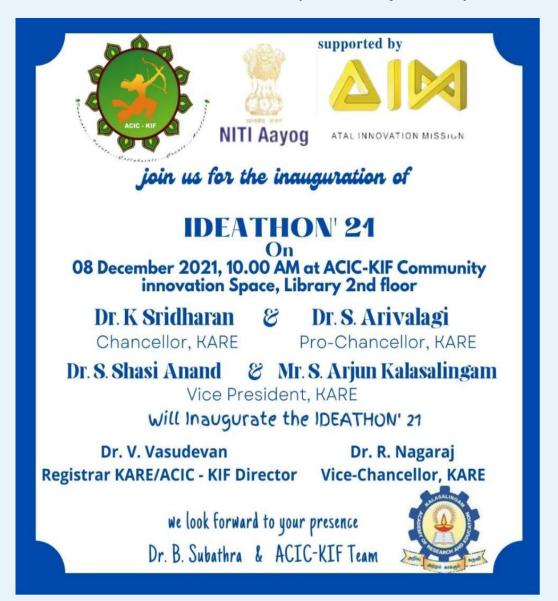
Dr. Jayato Nayak, Associate Professor, Department of Chemical Engineering received the "Young Scientist Award" from International Scientist Awards 2021 on Engineering, Science and Medicine.



Dr. D. Sivakumar, Professor, Department of Agricultural Engineering received "Dr. Sarvepalli Radhakrishnan Eminent Professor Award 2021 in Environmental Engineering" from Centre for Professional Advancement, Andhra Pradesh.



ACIC-KIF in association with NITI Aayog supported by ATAL Innovation Mission inaugurated Ideathon'21 on December 2021 at ACIC-KIF Community Innovation Space, Library 2nd floor.



PAPER PRESENTATION IN CONFERENCES

- 1. Dr. V. Yegnanarayanan presented a paper in the international e-Conference on Rough Sets, Fuzzy Sets and Their Applications, on 24th & 25th, January 2021.
- 2. Dr. G. Chitra and Dr. T. Muthukani Vairavel presented papers in a Two-Day International Conference on "Pure and Applied Mathematics" ICOPAM 2022 at TBML College, Porayar on 24th & 25th March, 2022.
- 3. Dr. M. Kameswari presented a paper in the 5th International Congress on "Life, Social and Health Sciences in a Changing World" on 26th & 27th March, 2022 conducted by Shoolini University.
- 4. Dr. M. Kameswari presented a paper in the $5^{\rm th}$ international New York Academic Research Congress on $23^{\rm rd}$ $24^{\rm th}$ 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.
- 5. Dr. S. Maragathasundari presented a paper titled "A Simulation investigation in big data analytics -Hadoops" in the TNSCST Sponsored 8th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'22) organized by Karpagam Institute of Technology, Coimbatore held on 20th & 21st May 2022.
- 6. Dr. M. Kameswari presented a paper in the 10th International Conference on Contemporary Engineering and Technology held on 21st and 22nd May 2022 at Prince Shri Venkateswara Padmavathy Engineering College, Chennai-600127.
- 7. Dr. M. Kameswari presented a paper in the International Congress on Artificial Intelligence, Material Science and Renewable Energy held on 27th & 28th May 2022 at KIT-Kalaingnar karunanidhi Institute of Technology, Coimbatore, Tamilnadu.

RECOGNITION

- 1. Dr. P. Aruna Jeyanthy, Associate Professor, department of Electrical and Electronics Engineering acted as a technical program committee member in the Springer 6th International Conference on Inventive Systems and Control ICISC 2022, on 6th & 7th January 2022, Coimbatore.
- 2. Dr. C. Sivapragasam, Professor, Department of Civil Engineering acted as Workshop facilitator for the IUCEE conference (ICTIEE 2022) from 7th to 9th January 2022.
- 3. Dr. K. Rajesh, Associate Professor, Department of Electrical and Electronics Engineering in a token of appreciation for acting as a review member in the International Conference on smart Technologies Application-2022 (ICSTA 2022) organized by Ramco Institute of Technology on 11th & 12th March, 2022.
- 4. Dr. M. Kameswari acted as a Keynote Speaker and Chair Person in the Heber International Conference on Applied Mathematics, Management, Computer Science and Statistics organized by PG & Research Department of Mathematics, Bishop Heber College (Autonomous) on 18th March 2022.
- 5. Dr. K. Selvarani went as a Chief Evaluator for the course AEX 411 Rural Horticultural Work Experience and Agro Industrial Attachment (0+20) in RVS Padmavathy College of Horticulture, Sempatti on 25th March 2022.
- 6. 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.
- 7. Dr. S. Bathrinath acted as a Question paper Scrutinizing Board Member (Industrial Engineering Division) for APJ Abdul Kalam Technological University, Trivandrum, Kerala.
- 8. Dr. S. Bathrinath was nominated as a Anna University Doctoral Committee Member for two PhD candidates.
- 9. PhD Thesis Examiner for Visvesvaraya Technological University, Karnataka on 30.05.2022 at SJB Institute of Technology, Bangalore.

S. No	Name of the	Date	Name and address of the	Name of the	Area of Lecture
	Speaker		college been as a Resource	Faculty	Delivered
			Person	Development	
				Program	
1.	Dr. N. Lakshmi	17^{th} – 21^{st}	Council of Architecture,	Sustainable	Smart solutions
	Thilagam	January 2022	Training and Research Centre,	Development	for sustainable
			Bhopal in Association with	through Building	cities of the
			Dayananda Sagar Academy of	Design:	future.
			Technology and Management,	Past and Future	
			School of Architecture,		
			Bangalore, Karnataka		
2.	Dr. N. Lakshmi	07 th - 11 th	Council of Architecture,	Quantative	Combined
	Thilagam	March 2022	Training and Research Centre,	Methods for	Strategies and
			Bhopal in association with IES	Qualitative	Mixed
			College of Architecture,	research in	Methodology in
			Chittilappily, Thrissur, Kerala.	Architecture and	Research.
				Planning.	
3.	Dr. N. Lakshmi	30 th May – 3 rd	Jawaharlal Nehru Architecture	Research	Research
	Thilagam	June 2022	and Fine Arts University,	Methodology for	Problem
			Hyderabad, Telangana	Young Teachers	Identification &
				and Research	Formulation
				Scholars	
4.	Dr. K. Selvarani	17 th June &	Department of Seed	Farmers'	Seed Production
		30 th June	Certification and Organic	Training	
		2022	Certification, Madurai.	Programme	

FACULTY CONTRIBUTED AS AN EXTERNAL JURY MEMBERS

ΓF	ACULTY CUNTRIBUTED 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	School of Planning and	27.05.2022	External Jury Member for the subject			
		Thilagam	Architecture, Vijayawada.	to	"Research Methodology (MBEM123)			
				28.05.2022	and Research Methodology (MSAR125)"			
					of Master of Building Engineering and			
					Management (I Year II Semester) and			
					Master of Sustainable Architecture (I			
					Year II Semester)			
Ī	2.	Ar. L. Vinu	SRM Institute of Science	10.05.2022	External Jury Member for the subject			
		Pandyan	and Technology,		16AR408 – Architectural Design Studio			
			Ramapuram, Chennai		VII			

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.



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 Agriculture and Processing Science	318
2.	School of Automotive and Mechanical Engineering	19
3.	School of Bio and Chemical Engineering	13
4.	School of Computing	1820
5.	School of Electronics and Electrical Technology	872
6.	School of Agriculture and Processing Science	4

STUDENTS PROJECT RECEIVED

K. Shanmuga Nanthini V. Malathi and V. Priyadharsini final year students of the department of Biomedical Engineering have been sanctioned a sum of rupees 2,23,300/- under EDII – Innovation Voucher Program Scheme by PSM Enterprise.

FRESHMAN INDUCTION PROGRAMME 2021

Freshman Induction Programme 2021 was conducted on 03.09.2021 at 10 am in the online mode.



Our Students Nivedhitha K, Gopikrishna G, Bhavani R, Sandra Babu and Dheepak R of final year Biotechnology have cleared GATE examination.



Nivedhitha K, Department of Biotechnology



Gopikrishna G, Department of Biotechnology



Bhavani R, Department of Biotechnology



Sandra Babu, Department of Biotechnology



Dheepak R, Department of Biotechnology

PROJECT RECEIVED FROM TNSCST

The following projects have been sanctioned by the Tamil Nadu State Council for Science and Technology (TNSCST) under the student projects scheme 2021-2022.

S. No	Faculty Name	Title of the Project	Student Name	Amount in
	and			Rs.
	Department			
1.	Dr. B. Vanavil,	Biofortified Mushrooms to Combat	Nithish P,	7500
	Department of	Iodine Uptake and Deficiency	Barath V,	
	Biotechnology	through Seaweed Bioprocessing	Nivethidha K	
		towards COVID-19 Management		
2.	Dr. Selvaraj	Design and molecular modeling of	R. Raja Rajeshwari	7500
	Kunjiappan,	novel glucose transporter mediated		
	Department of	Camptothecin loaded N-acetyyl		
	Biotechnology	glucosamine-conjugated glutenin		
		nanoparticles for targeting breast		
		cancer cells		
3.	Dr. PL.	Development of a Cost-Effective	S. Fazur Rehman,	7500
	Meyyappan,	Light Emitting Transparent Concrete	M. Madesh Kumar,	
	Department of		T. Sharveshram,	
	Civil		R. Sivaneshan	
	Engineering			
4.	Dr. K. Mayandi,	Wash basin waste water reusable	Bommareddy,	7500
	Department of	filtration gadget	Gowtham Reddy,	
	Mechanical		Guturi Dhanush	
	Engineering		Kumar,	
			Bijjam Prakash	
			Reddy	

TRAINING PROGRAMME

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.

ALUMNI ENGAGEMENT

Dr. Richa Pandey, Department of Biotechnology (Batch 2011) has joined the University of Calgary, Canada as an Assistant Professor.

Ms. Suganthi of B. Tech 2020 Graduated batch got admitted for MS in Biotechnology Programme at John's Hopkins University, USA.

EXTENSION ACTIVITIES

B.Sc. (Hons.) Horticulture final year students demonstrated about establishment of Kitchen Garden and created awareness about the importance of kitchen garden among the students of Sakkarajakottai Middle School, Rajapalayam on 5th January 2022. School teachers and Head Master also participated in this event.



B.Sc. (Hons.) Horticulture final year students distributed Seed kits to Rajapalayam farmers with the help of Assistant Director of Horticulture (ADH) Mrs. Kalaivani on 20th January 2022. Around 100+ farmers were benefited by this scheme.



On 25th February 2022, B.Sc. (Hons.) Horticulture final year students are learning Crop Cutting Experiment (CCE) in onion field at Melarasakularaman village, Rajapalayam with Village Administrative Officer (VAO) Mr. Velusamy, Agri Insurance Company Officer Mr. Parasuraman and Horticulture Officer (HO) Mr. Balamurugan.



PARTICIPATIONS OF STUDENTS IN WORKSHOP / SYMPOSIUM / SEMINAR

S. No	Department	epartment Programme Date		Student Name	Student
	•	Name			Register No
1	Information	Industrial	14-02-2022	Anto Aswanth J	9920008062
	Technology	Lecture on		Balaji V	9918008037
		Introduction to		D. Vishnu Prakash	9920008046
		Industry Grade		Devi Bala	9920008006
		Robotics		E. Yugandhar	9918008024
		Process		Gopalakrishna D	9918008008
		Automation		Gopi G R	9920008034
				Hari Prasad	9918008039
				Jeshima J	9918008010
				K. Kamaleshjeyanthan	9920008010
				Mukesh Pandian	9920008045
				N.S. Vijayaragunathan	9918008031
				R Sundararajan	9920008033
				Ramkumar	9920008018
				Rosini P	9920008044
				S. Vignesh	9920008062
				Uma Maheswari A	9918008037
				Venkateshaperumal S	9920008046

Visited State Eco Park and Horticultural farm with I & II B.Sc., Horticulture students on $6^{\rm th}$ March 2022. 53 students participated from both the classes.



Visited TANTEA with III B. Sc, (Agri) students on 7th March 2022 to expose them to various Tea processing techniques and Botanical Garden to study the components of gardening. 59 students were present.



Visited Karnataka State Horticultural Garden on 8th March 2022 to expose he students to various components of gardening, 59 students were present.



Visit to Thapovanam Orchard and Estates on 20^{th} March 2022 with IV year Horticulture students as a part of RHWE.



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 IInd Year students' batch of 2020 from 17th April 2022 to 20th 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





CRIDA- Hyderabad

ACTIVITIES OF NATIONAL SERVICE SCHEME & UNNAT BHARAT ABHIYAN

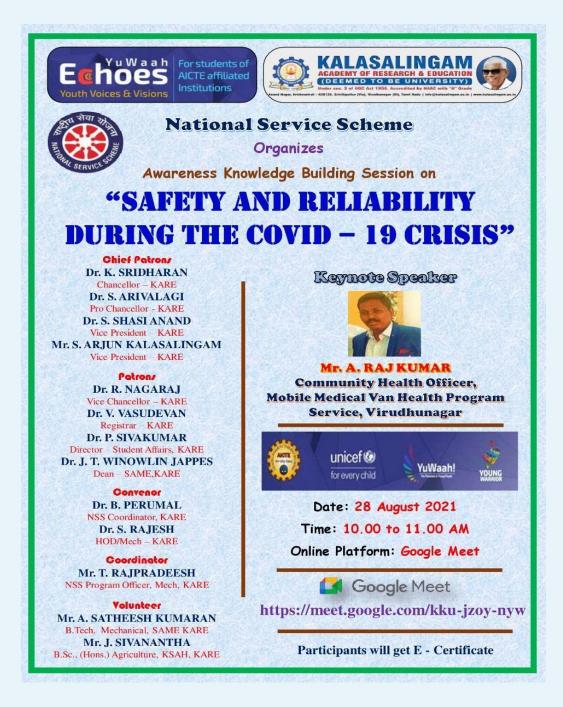
WORLD ENTREPRENEURS' DAY

"World Entrepreneurs Day" Start-up Talk program was organised by Institution's Innovation Council and NSS KARE joint with JCI Sivakasi lion on 21.08.2021 from 9.30am to 10.30am in the online mode. The resource persons Dr. M. Daniel Jebaraj, Managing Director, Agri Amigos Private Ltd, Coimbatore and Jc Minniyal N.Ragu, Solar Energy Consultant, Sree Minniyal Ragu Enterprises, Zone Vice President, Zone XVIII-JCI India briefed about the programme.



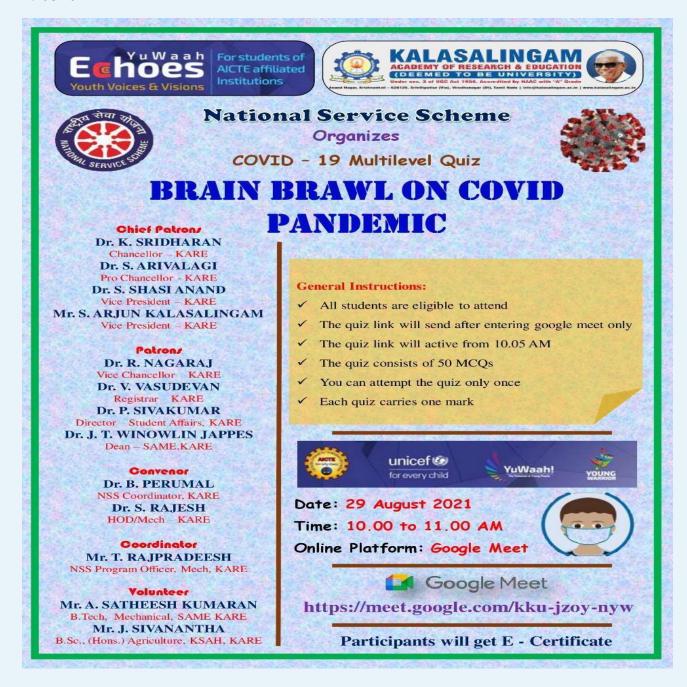
SAFETY AND RELIABILITY DURING THE COVID-19 CRISIS

KARE National Service Scheme organised an awareness on knowledge building session "Safety and Reliability during the Covid-19 Crisis" on 28.08.2021 from 10.00am to 11.00am in the online mode.



Brain Brawl on COVID Pandemic

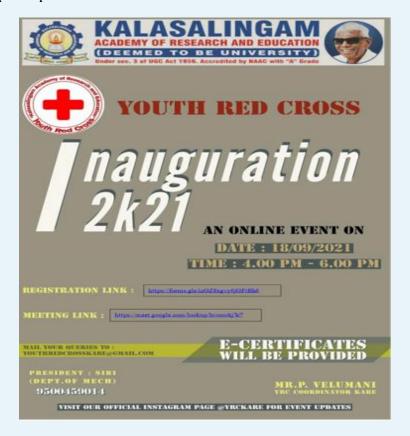
KARE - NSS organized COVID 19 Multilevel Quiz "**Brain Brawl on COVID Pandemic**" on 29.08.2021.



ACTIVITIES OF YOUTH RED CROSS

INAUGURATION 2K21

KARE - Youth Red Cross club organized an online event titled "INAUGURATION 2K21" on 18.09.2021. 415 participants attended the function.



RALLY 2K21

KARE - Youth Red Cross club organized "Rally 2K21" to create awareness among the public regarding cleanliness of our environment and also to impart education to youth in taking part in societal activities. 661 students participated in Rally 2k21.







SWAVI 2K22

Youth Red Cross of Kalasalingam Academy of Research and Education organised an online event titled **SWAVI 2k22** on 05/02/2022. Mr. P Velumani Coordinator of the club welcomed the gathering. The event was organised to create awareness among the public regarding saving our valuable environment and also to impart education to youth in taking part in societal activities. The chief guest Mr. Ajmal US highlighted the above points to the students. Motivational events and games were conducted for the students. Prize winners were announced at the valedictory and the coordinator distributed the prizes. The Student President thanked the gathering. The Vice President and the Secretary were also present. 627 Students of KARE attended the function.



ACTIVITIES OF TAMIL MANDRAM

MILIR'21

KARE - Tamil Mandram's 12th year anniversary celebration was inaugurated on 21.08.2021. The Chief guest, Poet Mrs. Anbu Thozhi Jeyashree, VJ at Pothigai, Chennai delivered the motivational speech to the participants. In this event 178 students participated and gained knowledge about the Tamil Tradition and culture.



ARAM'21

KARE - Tamil Mandram Celebrated Teachers's Day in the Name of **ARAM** on 05.09.2021. The Chief guest, Poet Mr. Boopalan, Pollatchi Ilakkiya Vattam, Pollatchi delivered the Key Note Address to the participants. In this event 134 students were participated and gained knowledge about the education and values.



EZHUTHTHAYUTHAM

KARE - Tamil Mandram Celebrated World Literacy Day in the Name of **Ezhuththayutham** on 08.09.2021. The Chief guest, Writer Dr. Ahila Krishnamoorthi, Tamil Nadu Kalaillakkiya Perumandram, Thanjavur, delivered the Key Note Address to the participants. In this event 154 students participated and gained knowledge about the Literacy and Education Values.



உதவிப் பேராசிரியர் (தமிழ்)

KARE

ROWTHIRAM

ம.சக்தோஷ்குமார்

முதுகிலை வணிக மேலாண்மை

KARE - Tamil Mandram conducted **Rowthiram** event on 11.09.2021 (Bharathiyar's Commemoration Day). The Chief guest, Sahithya Academy awardee, Poet and Writer Manushi Bharathi, was invited as the chief guest for this event. The Chief guest delivered a speech on Bharathiyar's stories and his life. In this event 132 students participated and gained knowledge about Mahakavi Bharathiyar's History and his Poems.



தலைப்பு: பாரத் என்னும் பரம்பொருள்

MAHATHMA 2021

KARE - Tamil Mandram celebrated 152^{nd} Mahatma Gandhi's birthday on 02.10.2021. 127 students participated in this event.



TAMIZHI 2K21

KARE - Tamil Mandram celebrated Tamil New year celebration under the topic **TAMIZHI 2K21** on 04.12.2021 in Dr. K.S. Krishnan Auditorium. Mr. M. Sakthi Kumar delivered the Welcome Address, Dr. C. Sangeetha, Coordinator, Tamil Mandram delivered the Keynote Address and Dr. M. Muthukannan, Director Student Affairs, delivered the Special address in this event. 500 students participated in this event.







THAIPONGAL THIRUVIZHA

Tamil Mandram celebrated Thai Pongal Celebration on 14.01.2022 online. In this occasion three online events were conducted such as Pongal drawing, Sentamil Selvan/ Sentamil Selvi and Rangoli. In these events 110 students participated and got cash prizes.



THAI MOZHI THIRUVIZHA

Tamil Mandram celebrated Thai Mozhi Thiruvizha (Matru bhasha Diwas) on 21.02.2022 at Dr. A.P.J. Abdul Kalam, Seminar Hall. Dr. C. Sangeetha, Coordinator Tamil Mandram, delivered the Welcome Address. Dr. M. Muthukannan, Director Student Affairs, delivered the Presidential Address. Dr. P. Pandiyarajan, Dean School of Liberal Arts and Special Education delivered the Felicitation Address. 159 students participated in the event and got cash prizes. Essay writing, Drawing, Quiz, Poster making and Speech contest were the competitions conducted.



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.

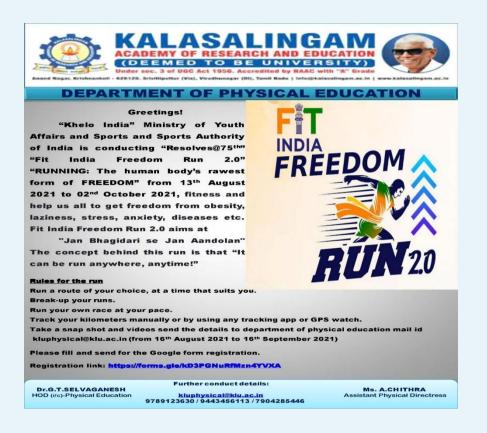


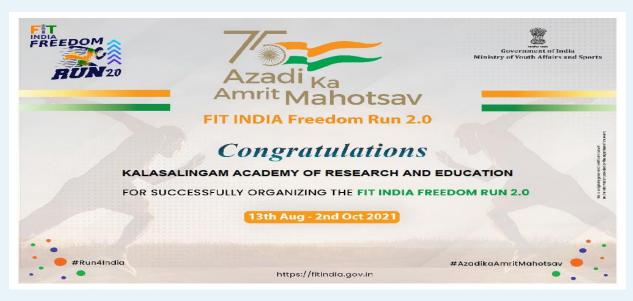




ACTIVITIES OF PHYSICAL EDUCATION FIT INDIA FREEDOM RUN 2.0

KARE – The department of Physical Education conducted "**Fit India Freedom Run 2.0**" from 16th August 2021 to 16th September 2021. 115 participants participated from various institutions.

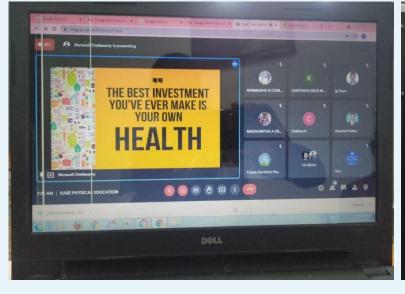


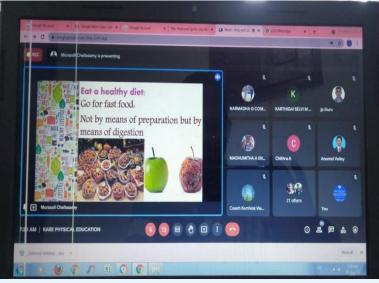


LIFESTYLE VS HEALTHY LIFESTYLE

KARE – Physical Education conducted a webinar on "**Lifestyle vs Healthy Lifestyle**" on 29th August 2021 at 7am through online. The resource person Mr. C. Murasoli, Physical Education Teacher, Government High School, Panankulam delivered the lecture on this topic. 157 participants participated from various institutions.







TAEKWONDO KYORUGI AND POOMSAE CHAMPIONSHIP 2021

The Students of KARE made their Alma mater proud by their rocking performance in Taekwondo Kyorugi and Poomsae Championship 2021 held between 24th and 25th December 2021 organized by Cuddalore District Amateur Teakwondo Association. M. Rajeswari of I MSW and M. Karthigaiselvi of III BBA shared the Gold Medal; K. Maniraj of III BA English and G. Keerthika of I B. Com (CA) shared the Silver Medal; S. Vijay of I B.Sc. (CS) bagged the bronze.



DEPARTMENT OF PHYSICAL EDUCATION



M.RAJESWARI – I MSW 62 - 67 KG GOLD



M.KARTHIGAI SELVI – III BBA 67 - 72 KG



K.MANIRAJ - III B.A ENGLISH 58 - 63 KG SILVER



G.KEERTHIKA - I B.COM (CA) 42 - 44 KG SILVER



S.VIJAI - I B.SC (CS) 51 - 55 KG BRONZE

CONGRATS TO MEDAL WINNERS

1st TAMIL NADU STATE INTER ZONE TAEKWONDO KYORUGI & POOMSAE CHAMPIONSHIP – 2021
Organized by Cuddalore District Amateur Taekwondo

Association

VENUE: Virudhachalam, Cuddalore District





Date: 24th & 26th December 2021





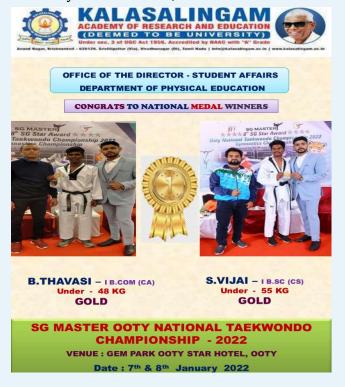
SWIMMING CHAMPIONSHIP 2021

Tirunelveli Aquatics Association organized 15th Tamil Nadu State Short Course Age Group Swimming Championship 2021, on 27th and 29th December at Anna Stadium, Tirunelveli. Our Students Bagged 2 Silver Medals in 4x100 mts Free Style Relay and 4x100 mts Medley Relay and 4 bronze Medals in 4x100 mts Medley Relay and 100 mts Breast Stroke respectively.



TAKEWONDO CHAMPIONSHIP - 2022

SG Master Ooty National TAKEWONDO championship – 2022 held on 07th & 08th January 2022 at Ooty. In this Takewondo Competition B. Thavasi, I B.Com. (CA), S. Vijay, I B.Sc. (CS) has won Gold Medal. The winners were honored by Mr. A.R. Mohan, Director SG Master Academy, Ooty.



ROAD RUN

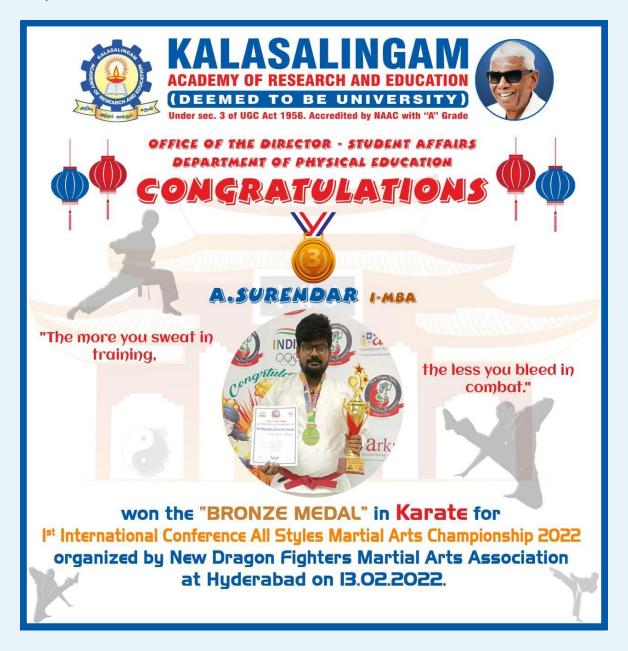
KARE - Physical Education conducted the **"VETERANS INDIA PATRIOTIC RUN"** as part of **"ROAD RUN"** programme at our KARE campus on 26th January 2022 @ 11.30 AM. The event was organised by Dr. G. T. Selvaganesh, HOD (i/c) Department of Physical Education, KARE coordinated by Ms. A. Chithra, Assistant Physical Directress, KARE under the guidance of Dr. M. Muthukannan, Director - Student Affairs, KARE. Dr. S. Chandra, Principal, Arulmigu Kalasalingam College of Arts and Science, Krishnankoil was the Chief Guest to start the Road Run by waving the green flag shown. Totally 112 students participated in this program.





1ST INTERNATIONAL CONFERENCE ALL STYLES MARTIAL ARTS CHAMPIONSHIP 2022

New Dragon Fighters Martial Arts Association, Hyderabad has Conducted 1st International Conference All Styles Martial Arts Championship 2022 on 13.02.2022. In Karate Competition Mr. A. Surender, I MBA won Bronze Medal.



38TH ANNUAL DAY SPORTS MEET - 2022

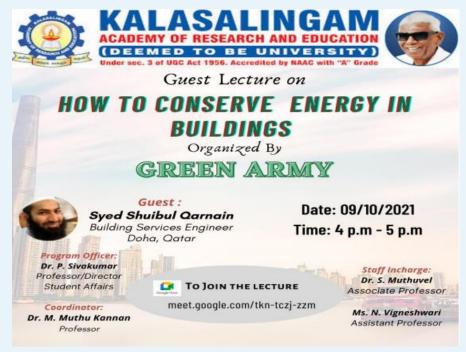
Department of Physical Education has conducted **38**th **Annual Day Sports Meet - 2022** on 27.04.2022 at 5.30pm. Dr. G.T. Selvaganesh, Head, Physical Education delivered a Welcome Address. Dr. S. Shasi Anand, Vice President has delivered a Presidential Address. Dr. V. Vasudevan, Registrar and Dr. M. 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.



ACTIVITIES OF GREEN ARMY

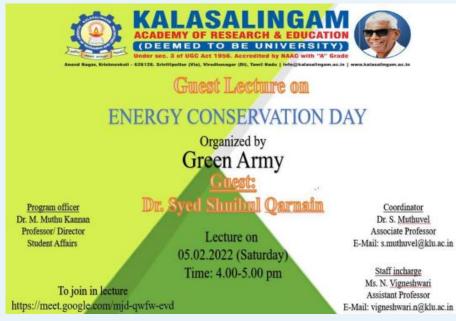
HOW TO CONSERVE ENERGY IN BUILDINGS

Building Energy Conservation was organized at Kalasalingam Academy of Research and Education by arranging a Guest lecture on the topic "**How to Conserve Energy in Buildings**" via Google-meet on 9th October 2021 from 4:00 pm to 5:00 pm. Dr. Syed Shuibul Qarnain, Building Services Engineer Doha, Qatar briefed about the building energy conservation. 64 students participated in this programme.



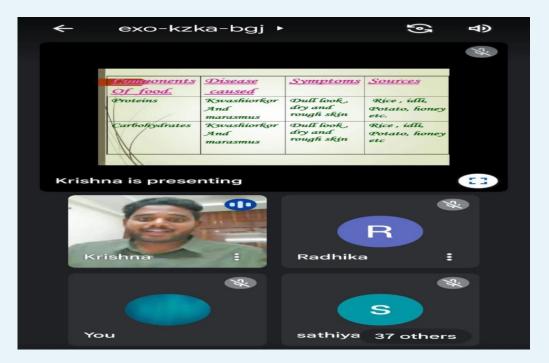
ENERGY CONSERVATION DAY

Energy Conservation Day was celebrated in Kalasalingam Academy of Research and Education by arranging a Guest lecture on the topic "Energy conservation" through Google-meet on 5th February 2022 from 4:00 pm to 5:00 pm. **Speaker**: Dr. Syed Shuibul Qarnain, Building Service Engineer, Doha, Qatar.



ACTIVITIES OF NCC HEALTH AND HYGIENE

National Cadet Corps [4TN ENGR COY], Kalasalingam Academy of Research and Education conducted an online workshop on the topic 'Health and Hygiene' by Dr. Krishnan on Dec 22, 2021. The program commenced in the afternoon at 1pm. The medical officer gave a lecture on day-to-day life relevant healthy tips and practices that we should follow to improve and maintain a healthy life. He presented essential nutrients required for a healthy body and their deficiency causing diseases. He talked about the life changes that people adopted due to COVID-19 pandemic and its benefits to build a disease-free economy.



CADRE CAMP

In the pandemic situation DG NCC instruct to conducted cadre camp for NCC cadets as mandatory camp for NCC certificate examination. For that, a cadre camp was organized by 4 (TN) Engr Coy NCC in NCC Training Area, Idayapatti from 26.12.2021 to 01.01.2022.



ANNUAL TRAINING CAMP

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 giving GoH for NCC Group Commander

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 Koṇasana, 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 institution permises





Cadets practicing yoga at cadets locality with family and friends

ACTIVITY OF PHOTOGRAPHY ATTAIN 3.0

Attain 3.0 event was conducted by photography club on 27.11.2021. 366 students participated in this event.



KAPTURED 2.0

KAPTURED 2.0 event was conducted by photography club held on 01.02.2022 to 04.02.2022. This event was conducted in the virtual mode using Google meet as a platform. 69 students participated in this event. Gold in Dirt, Traditional, Time-Lapse and Wide-Wonders were the competitions conducted.



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

4. RESEARCH

S. No	AND FDP ORGANIZED Title	Donautmont	No. of	
5. NO	Title	Department	Date	Attendees
1.	Hands-on FDP on "Statistical and	Electronics	11.06.2021	15
	Machine Learning, "ASIC Design	Communication	to	
	flow", "Embedded Systems for	Engineering	16.06.2021	
	IOT", "Python for Design and			
	Verification"			
2.	Future Perspective of	Electronics	21.06.2021	157
	Semiconductor Devices	Communication	to	
		Engineering	25.06.2021	
3.	National Level Webinar on	Electronics	07.07.2021	17
	Ideation to Start-Up Generation	Communication		
		Engineering		
4.	SAP Orientation Program	Electronics	07.07.2021	54
		Communication		
		Engineering		
5.	Design Ideas for Capstone	Electronics	12.07.2021	228
	Project	Communication		
		Engineering		
6.	Tech talk Programme on Web	Computer Science	19.07.2021	30
	development	and Engineering		
7.	Tech Talk Programme on	Computer Science	22.07.2021	30
	Introduction to Emerging	and Engineering		
	Technologies Oracle, DBMS and			
	SQL			
8.	Placement Awareness program	Electronics	24.07.2021	125
	on "Developments and	Communication		
	Opportunities in Networking	Engineering		
9.	Career Planning & Development	Electronics	24.07.2021	190
		Communication		
		Engineering		
10.	Overview of HW Product	Electronics	25.07.2021	153
	development life cycle	Communication		
		Engineering		
11.	Tech talk Programme on	Computer Science	05.08.2021	78
	Software testing Strategies	and Engineering		
12.	Art Festival	Architecture	27.10.2021	118

S. No	Title	Department	Date	<mark>No. of</mark> <mark>Attendees</mark>
			to	
			30.10.2021	
13.	Recent Trends in Cloud	Information	12.11.2021	30
	computing and AWS	Technology		
14.	Fundamentals of Electronics	Electronics	11.12.2022	53
		Communication		
		Engineering	17.17.77.7	
15.	Launchpad for Architectural	Architecture	15.12.2021	29
	Career		to	
4.6			16.12.2021	
16.	Extending the Application of	Chemistry	16.11.2022	42
	Mesoporous Silica: A Story of			
17	Ultrabright Fluorescent Tags	Analoitaatuuna	15.12.2021	29
17.	Launchpad for Architectural Career	Architecture	to	29
	Career		16.12.2021	
18.	One Week Faculty Development	Electronics	16.12.2021	20
10.	Program on Ann / IoT &	Communication	to	20
	Power Analysis / Verification in	Engineering	21.12.2022	
	VISI Circuits	Zinginicerinig		
19.	National Mathematics Day	Mathematics	22.12.2022	200
20.	Financial Education for	Commerce	03.01.2022	160
	Youngsters		to	
			13.01.2022	
21.	One-day Faculty Conclave on	FALT	11.01.2022	48
	"Effectiveness of the Foundation			
	Core Courses"			
22.	National Girl Child Day	Social Work	24.01.2022	22
23.	Nature Conservation Awareness	Chemistry	29.01.2022	36
	Programme			
24.	Construction Management in	Civil Engineering	30.01.2022	44
	Infrastructure Aspects of Urban			
	Transport			
25.	Guest Lecture on Environmental	Commerce	05.02.2022	130
	Accounting and Reporting		00.22.0	10-
26.	Guest Lecture on Decoding	Commerce	08.02.2022	127
0.7	Union Budget 2022		00.00.000	E 0
27.	Webinar on "Poster	Computer	09.02.2022	53
	Presentation – Know How"	Application		

S. No	Title	Department	Date	No. of Attendees
28.	Abolition of Bonded Labour	Social Work	10.02.2022	18
29.	System 2022 HR Practices in India and	Business	11.02.2022	55
29.	Middle East	Administration	11.02.2022	ວວ
30.	Industrial Lecture on	Information	14.02.2022	40
50.	Introduction to Industry Grade	Technology	11.02.2022	10
	Robotics Process Automation	1 commonegy		
31.	Guest Lecture on 'New Business	Horticulture	17.02.2022	73
	Models in Agriculture and			
	Horticulture Investment and			
	Technology Influences'			
32.	Green Environment for	Business	18.02.2022	62
	Sustainable Future	Administration		
33.	Guest Lecture on "IoT Simulator	Computer	18.02.2022	38
	TinkerCad"	Application		
34.	Career Opportunities in IT	Business	19.02.2022	52
	Sector	Administration		
35.	Industrial Lecture on IPM in	Electronics	19.02.2022	277
	Enterprise Application Service	Communication		
2.6	(EAS)	Engineering	24.00.0000	40
36.	Webinar on "IoT – A World	Computer	21.02.2022	42
27	Inside Tech"	Application	22.02.2022	72
37.	Gamification	Business Administration	23.02.2022	72
38.	CS Awareness Programme	Commerce	24.02.2022	200
39.	Workshop on "Hands-on	Computer	25.02.2022	47
	Education on Real-World	Application	-	
	Machine Learning"		02.03.2022	
40.	Industrial Lecture on Mobile	Electronics	26.02.2022	157
	App Development	Communication		
	0 1 141 1 (177)	Engineering	06.00.000	
41.	One day Webinar on "The Mathematics of Data Science	FALT	26.02.2022	55
	(DS)/ Machine Learning (ML), Artificial Intelligence (AI)"			
42.	Design and Synthesis of	Chemistry	28.02.2022	43
42.	Superhydrophobic MOFs for Gas	Gileillisti y	20.02.2022	43
	Separation and Oil Spill Cleanup			
	Applications			

S. No	Title	Department	Date	No. of
				Attendees
43.	Stress Management	Commerce	28.02.2022	22
44.	Art of Research Paper Writing	Architecture	28.02.2022	25
45.	Mathematical Modelling in Fuzzy Environment	Mathematics	28.02.2022	35
46.	Chinese Food Festival - Fiery Dragon	Catering Science and Hotel Management	05.03.2022	132
47.	WARTECH	Computer Application	05.03.2022	65
48.	Faculty Workshop in Virtual Mode on How to Buy and Sell Shares in Stock Exchanges	Commerce	10.03.2022	150
49.	International Webinar on "Emerging Techniques in Machine Learning and future directions"	Computer Science and Information Technology	10.03.2022	85
50.	Techextravaganza	Information Technology	11.03.2022	71
51.	Guest Lecture on Art of Software Engineering	Computer Science and Information Technology	15.03.2022	80
52.	Mobile App Development from Scratch	Computer Science and Information Technology	16.03.2022	80
53.	Career in Salesforce	Computer Science and Information Technology	17.03.2022	80
54.	Fest-TARANG-2022	Business Administration	19.03.2022	28
55.	SOFTNIVAL 2K22	Computer Application	19.03.2022	56
56.	World Forest Day	Civil Engineering	21.03.2022	42
57.	Nature Conservation Awareness Programme	Chemistry	22.03.2022	44
58.	Career Guidance – Specific to Cruise liners	Catering Science and Hotel Management	30.03.2022	32

S. No	Title	Department	Date	No. of
S. NO	11de	Department	Date	Attendees
59.	Industry 4.0	Electrical and	02.04.2022	18
37.	industry 1.0	Electronics	&	10
		Engineering	03.04.2022	
60.	Industry Expert Guest Lecture	Biotechnology	05.04.2022	23
61.	Insights on spectroscopic	Physics	08.04.2022	26
	Instruments	J T		
62.	Natural Building Techniques	Architecture	17.04.2022 -	14
			20.04.2022	
63.	One Day Workshop on Lab	Biotechnology	20.04.2022	15
	Safety and Management			
64.	Independent Film making and	Visual	20.04.2022	35
	OTT Marketing Strategies	Communication		
65.	Code War	Computer Science	22.04.2022	449
		and Engineering		
66.	Technophilia'22	Computer Science	22.04.22	326
		and Information		
	D	Technology	22.24.2222	450
67.	Recent Trends in IoT	Computer Science	23.04.2022	173
- 60	Technology	and Engineering	22.04.2022	450
68.	MLOPS	Computer Science and Engineering	23.04.2022	450
69.	Cyber Security Tools and	Computer Science	23.04.2022	112
0).	Techniques	and Engineering	23.01.2022	112
70.	Digital Dreams 2022	Computer Science	23.04.2022	920
	S	and Engineering		
71.	STEM Education & IEEE Pre-	Electrical and	23.04.2022	30
	University Educational	Electronics		
	Resources	Engineering		
72.	IBM ICE Day 2022	Computer Science	25.04.2022	845
		and Engineering	&	
			26.04.2022	
73.	MMA Student Chapter	Business	25.04.2022	120
	Inauguration	Administration		
74.	NIPM Student Chapter	Business	26.04.2022	110
	Inauguration	Administration		
75.	Role of Nextgen in India's	Commerce	26.04.2022	32
	Economy			

S. No	Title	Department	Date	No. of Attendees
76.	Dr. A P J Abdul Kalam Young	Electronics and	27.04.2022	60
	Scientist Award – CSP Project	Communication		
	Competition	Engineering		
	(Sponsored by IETE)			
77.	ELEXRIEG 2K22	Electronics and	28.04.2022	158
		Communication		
		Engineering		
78.	ASTHIVAAR-2K22	Civil Engineering	29.04.2022	40
79.	EDS Student Branch Chapter	Electrical and	29.04.2022	56
		Electronics		
		Engineering		
80.	INFOSPARKS 2022	Information	29.04.2022	120
		Technology		
81.	Changing role of People in	Business	04.05.2022	70
	Technological Development	Administration		
	(Future and People Focused			
	Skills)			
82.	Webinar on Emotional	Business	06.05.2022	60
	Intelligence	Administration		
83.	Scientific Research on materials	Physics	06.05.2022	30
	Instrumentation		&	
			07.05.2022	
84.	Talent Show-2021-22	Chemistry	07.05.2022	63
85.	Cybernauts Club	Information	07.05.2022	50
		Technology	0.107.000	
86.	Machine Learning Using Python	Computer Science	24.05.2022 -	72
		and Engineering	28.05.2022	0.4
87.	RPA Design and Development	Computer Science	24.05.2022 -	21
		and Engineering	28.05.2022	
88.	CCNA Cyberops	Computer Science	24.05.2022 -	76
6.0	Average 1 To 1	and Engineering	28.05.2022	4.00
89.	AWS Cloud Foundation	Computer Science	24.05.2022 -	103
	X	and Engineering	28.05.2022	445
90.	IoT Using Arduino	Computer Science	24.05.2022 -	112
		and Engineering	28.05.2022	
91.	Blue Prism	Computer Science	24.05.2022 -	53
		and Engineering	28.05.2022	

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S. No	Title	Department	Date	<mark>No. of</mark> Attendees
92.	Cyber Physical System	Electrical and	03.06.2022	58
	Modeling, Simulation and	Electronics	&	
	Analysis	Engineering	04.06.2022	
93.	BOSCH BRIDGE	Social Work	16.06.2022	20
94.	Why and How to Crack ICAR -	KSAH	29.06.2022	47
	JRF			

PHD VIVA- VOCE EXAMINA	TION DEFENDED BY FACULT	TY MEMBERS		
Name of the faculty me	ember and department	Supervisor	Thesis title	Data of viva- voce examination
	P. Ramkumar, Department of Mechanical Engineering		Experimental Investigation of Heat Transfer Enhancement on Heat Pipe Heat Exchanger	06.07.2021
J. Pradeep Kandhasamy, Department of Computer Applications		Dr. S. Balamurali	Prediction and classification of diabetic retinopathy using data mining techniques	26.07.2021
	M. Arun, Department of Computer Applications	Dr. S. Balamurali	Design of a Framework for Secured Authentication with Secure Data Access Using Homomorphic and Blocchain in Fog and Internet of Things	27.07.2021
K. Vijayakumar, Department of Electrical and Electronics Engineering		Vishnuvarthana	Investigation of Multi- Function Grid Connected Converters for Enhanced Operation Employing Evolutionary Control Strategy	02.08.2021

Name of the faculty me	ember and department	Supervisor	Thesis title	Data of viva-
				voce examination
	Mr. Radeep Krishna R, Department of Electronics and Communication Engineering	Dr. P. Sivakumar	Simulation and Optimization of 3D IC Physical Design Flow	04.10.2021
Mr. Velmurugan S P, Department of Electronics and Communication Engineering		Dr. P. Sivakumar	Design and Development of Efficient System for Brain Tumor Classification Using Multimodal Fusion Approach Based on Image Transformations and Optimization Techniques	06.10.2021
	Mr. K. Muthamil Sudar, Department of Computer Science and Engineering	Dr. P. Deepalakshmi	Design of Intrusion Detection System for Software Defined Networking Using Machine Learning Algorithms	01.11.2021
Mr. G. Karthy, Department of Electronics and Communication Engineering		Dr. P. Sivakumar	Optimized Test Pattern Generation and Built-In Redundancy Analysis Schemes for Memories	04.12.2021
	Mr. Jagan S, Department of Civil Engineering	Dr. T.R. Neelakantan	Properties of Concrete Prepared with Bio- Deposited Recycled Aggregates	04.12.2021
K. Mukilan, Department of Civil Engineering		Dr. C. Ramesh Babu	Development of expert system for construction claim process	31.12.2021

Name of the faculty me	ember and department	Supervisor	Thesis title	Data of viva- voce examination
	M. Sakthimohan, Department of Electronics and Communication Engineering	Dr. J. Deny	An Augmented Approach on Design of Multipliers for Linear Phase FIR Filter using FPGA and its Implementation	02.02.2022
P. Velumani, Department of Civil Engineering		Dr. T.R. Neelakantan	Development of a Prediction Model for Construction Project Cost in India: An Analytical Approach	09.02.2022
	Ramaganesh M, Department of Mechanical Engineering	Dr. S. Bathrinath	A Study on Challenges Influencing Mining Industry: An Empirical Approach	07.03.2022
R.P. Suryasankar, Department of Instrumentation and Control Engineering		Dr. D. Devaraj and Dr. B. Kannapiran	Development of a Remote Aqua Monitoring System for Sustainable Aquaculture	16.03.2022
	Mr. P. Naveen, Department of Electronics and Communication Engineering	Dr. P. Sivakumar	A Hyperledger Fabric - Based System Towards Face Recognition	18.04.2022
Mr. SKM. Pothinathan, Department of Civil Engineering		Dr. M. Muthukannan	Influence of Glycoluril- Formaldehyde on the Bond Strength of Repaired Concrete	23.05.2022

Name of the faculty me	ember and department	Supervisor	Thesis title	Data of viva- voce examination
	Mr. M. Karuppasamypandiyan, Department of Electrical and Electronics Engineering	Dr. P. Arunajeyanthy	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	CONTRACTOR OF THE PARTY OF THE	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

RESEARCH AND DEVELOPMENT SUMMARY

No.	Item	Count
1.	h-index as in Scopus	81
2.	No. of publications in calendar year 2021 (Scopus)	854
3.	On-going Major Projects from Government Agencies	16
4.	No. of International Conferences organized	03
5.	No. Patents granted/published	146
6.	No. of full-time Ph.D. scholars	32
7.	No. of part-time Ph.D. scholars	90
8.	Post-doctoral fellows	1

PROJECT GRANTS RECEIVED FROM GOVERNMENT AGENCIES

No	Principal Investigator	Title of the Project	Funding	Sanctioned	Letter Number and
			Agency	Amount (Rs)	Date
1.	Dr. V. Yegnanarayanan	On colouring distance	NBHM	1515900	NBHM
		graphs and related			(R.P)/R&Dii/8007
		applications			13.07.2021
2.	Radeep Krishna	Remote Tasking of	IEEE	36,469	15.07.2021
	Radhakrishnan Nair	Sanitization and Health	Region		
		Assurity for mitigating	10 And		
		risk in the wake of the	IEEE HAC		
		pandemic. Project ID:			
		R10-HTA-039			

No	Principal Investigator	Title of the Project	Funding	Sanctioned	Letter Number and
			Agency	Amount (Rs)	Date
3.	Department of Electronics and Communication Engineering	Modernization of Microprocessors and Microcontrollers Laboratory and redesignation as Embedded System and Robotics Laboratory	AICTE- Modrob	700000	F.No.9-308/ RIFD/MOD/Policy- /20 I 8-I 9 17.08.2021
4.	Dr. B.S. Murugan	Development of Science and Technology Software for School Children through Skill building activities	DST- NCSTC	3530000	CO/B/FP/G76/2021 24.09.2021
5.	Dr. P. Deepalakshmi, Department of Computer Science and Engineering	Validation and digitization of indigenous medicinal knowledge of tribes of The Nilgiris, Namakkal, Thiruvannamalai and Tirunelveli districts, Tamil Nadu	DST- SEED	3000000	DST/SEED/TSP/ST1/ 2020/333 02.03.2022
6.	Dr. N. Hariram and Dr. Sheik Asraf Sheik Abdul Kader, Department of Biotechnology	Value addition and product diversification in Tea	DBT- NER- BPMC	4633000	BT/PR45264/NER/9 5/1920/2022 12.03.2022
7.	Dr. T. Kathiresan, Dr. K. Sundar and Dr. K. Selvaraj, Department of Biotechnology	Mechanistic Investigation on EMT targeted nanotherapeutics for drug-resistant triple- negative breast cancer cells	DBT- NER- BPMC	5830200	BT/PR44695/NER/9 5/1880/2021 16.03.2022
8.	Dr. Perumalla Srikanth and Dr. Muhilan Mahendhiran Department of Agriculture	Development of sustainable agriculture practices for biotic and abiotic stress management in conventional and organic tea plantations	DBT- NER- BPMC	3065669	BT/PR45283/NER/9 5/1919/2022 21.03.2022
9.	Dr. Naidu Dhanpal Jayram, Department of Physics	Ion beam irradiation of semiconductor thin films for Surface enhanced Raman spectroscopy application	UGC-DAE	45000	CRS/2021- 22/02/501 30.03.2022

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

FACULTY AWARDS

No	Faculty Name	Awarding Agency	Agency name	Award name	Date
1.	Dr. P. Selvarengan	International Body	Bulletin of Korean Chemical Society	Reviewer	08.07.2021
2.	Dr. P. Devendran	International body	Elsevier	Reviewer in Journal of Science: Advanced Materials and Devices	11.07.2021
3.	Dr. D. Kalpanadevi	Central Government	International Institute of Organized Research	International Young Researcher Award 2020-21	17.07.2021
4.	Dr. S. Shantkriti	International Body	Zhengzhou Excellent Young Scholars Science and Technology Co., Ltd., China	Keynote speaker at 5th International Conference on Environment and Disasters	23.07.2021
5.	Dr. M. Krishna Kumar	Central Government	CBSE, New Delhi	NEET Exam Observer	24.07.2021
6.	Dr. S. Saravanakumar	International body	Journal of Nano Particle Research	Reviewer	14.08.2021
7.	Dr. P. Devendran	International body	Elsevier	Journal Reviewer in Chemical Engineering Journal	16.08.2021
8.	Mrs. N. Bhuvaneswary	Private Organization	Hindawi	Reviewer	28.08.2021
9.	Dr. V. Yegnanarayanan	Mathematics	Private Organization	Center For Professional Advancement Continuous Education	05.09.2021
10.	Dr. S. Maragatha Sundari	Central Government	Centre for professional advancement continuous education CPACE, a unit IMRF	Dr. Sarvepalli Radhakrishnan Distinguished	05.09.2021

No	Faculty Name	Awarding Agency	Agency name	Award name	Date
	3		0 7	Professor Award 2021	
11.	Dr. S. Shantkriti	Private Organization	Centre for Professional Advancement, India	Dr. Sarvepalli Radhakrishnan Best Teacher Award 2021 in Environmental Microbiology	05.09.2021
12.	Dr. P. Devendran	International body	Springer	Reviewer in Chemical Papers	10.09.2021
13.	Dr. S. Vanitha	State Government	Centre for research, Anna university	DC member	15.09.2021
14.	Dr. T. Theiva Santhi	International body	Iranian polymer journal	Reviewer	29.09.2021
15.	Dr. P. Devendran	International body	Elsevier	Journal reviewer in Chemical Physics Letter	04.10.2021
16.	Dr. V. Yegnanarayanan	private organization	International Multidisciplinary Research Foundation	Indo Asian Research Excellence Award 2021	05.10.2021
17.	Dr. S. Shantkriti	Private Organization	IMRF Institute of Higher Education & Research, India	Indo Asian – Best Researcher Award 2021 in Environmental Biotechnology	05.10.2021
18.	Dr. S. Rani	Central Government	The Institute of Company Secretaries of India	Foundation Programme Examination in Company Secretaries of India	13.10.2021
19.	Dr. P. Selvarengan	International Body	Brazilian Journal of Physics	Reviewer	16.10.2021
20.	Dr. S. Rani	State Government	Tamil Nadu Mercantile Bank Ltd	TMB Gamesville Trophy	24.10.2021
21.	Dr. S. Shantkriti	Private Organization	Institute for Researchers (InRes), India	InRes Young Scientist Award 2021	25.10.2021
22.	Dr. P. Devendran	private organization	AMET University	Best Oral Presentation Award	29.10.2021
23.	Dr. S. Rani	State Government	Tamil Nādu Youth Sports Council	Selected in 2 nd International Indo-	01.11.2021

No	Faculty Name	Awarding Agency	Agency name	Award name	Date
			(Government of India	Nepal youth Sports	
			Ministry of Youth Affairs	Events	
			and Sports)		
24.	Dr. S. Shantkriti	Central Government	Project MANAV- The	Faculty Coordinator	23.11.2021
			Human Atlas Initiative		
25.	Dr. T. Theiva Santhi	International Body	Iranian Polymer Journal	Reviewer	09.12.2021
26.	Dr. S. Ramkumar	State Government	Bharathiar University	Board of Examiner	15.12.2021
27.	Dr. P. Selvarengan	International Body	Environmental Pollution	Reviewer	30.12.2021
28.	Mr. G. Ramesh	Private Organization	Galgotias College of	International	30.12.2021
			Engineering	Conference Session	
			&Technology (GCET)	Chair	
29.	Mr. P. Manikandan	Private Organization	Galgotias College of	International	30.12.2021
			Engineering	Conference Session	
			&Technology (GCET)	Chair	
30.	Dr. K. Pandiaraj	Private Organization	Galgotias College of	Conference Session	30.12.2021
			Engineering and	Chair	
			Technology		
31.	Dr. G. Chitra	Private Organization	Association of Global	Best Presenter	30.01.2022
			Academicians and	Award-2021	
			Researchers		
32.	Dr. M. Kameswari	Private Organization	IEEE	Best Paper Award	16.02.2022
33.	Dr. S. Viji	International Body	REST Society for	RSRI Young	28.02.2022
			Research International	Researcher Award	
34.	Dr. S. Viji	Private Organization	Kalasalingam Academy	First and Second	05.03.2022
			of Research and	Prizes in	
			Education	Competitions	
				Conducted by	
				Women	
				Empowerment Cell	
35.	Dr. S. Rani	Private Institution	Kalasalingam Academy	First and Second	08.03.2022
			of Research and	Prizes in	
			Education	Competitions	
				conducted by WEC	
36.	Ms. G.	Private Institution	Kalasalingam Academy	First and Second	08.03.2022
	Thamaraiselvi		of Research and	Prizes in	
			Education	Competitions	
				conducted by WEC	

No	Faculty Name	Awarding Agency	Agency name	Award name	Date
37.	Dr. S. Viji	Private Institution	Kalasalingam Academy	First and Second	08.03.2022
			of Research and	Prizes in	
			Education	Competitions	
				conducted by WEC	
38.	Dr. V.	International Body	Asian Research Journal	Certificate of	16.04.2022
	Yegnanarayanan		of Mathematics	Excellence in	
				Reviewing	
39.	Dr. S. Bathrinath	International Body	Novel Research	National Faculty	20.04.2022
			Academy	Award 2021-2022	
40.	Dr. K. Mukilan	Private Organization	Novel Research	Best Young Faculty	20.04.2022
			Academy	Award	
41.	Dr. K. Pandiaraj	Private Organization	Galgotias college of	Conference Session	28.04.2022
			Engineering and	Chair	
			Technology		
42.	Dr. Viji S	Central Government	Nehru Yuva Kendra	Participation in	21.06.2022
				Yoga Fest	

PATENT

No	Donartment	Patent Title	Patent Members	Application	Filling
NU	Department	ratent fine	Name	Number	Date
1.	Electronics	Smart Facial Door Lock	Dr. Kalpana Murugan,	202141022959	16.07.2021
	Communication	System	Ms. J. Krishnapriya, Ms.	A	
	Engineering		P. Gayatri, Mr. C. Sathya		
			Pradeep		
2.	Electronics	Artificial Intelligence	Dr. D. Franklin Vinod,	202141039094	10.09.2021
	Communication	Tailored Interactive Smart	Dr. V. Muneeswaran,	A	
	Engineering	Mirror	Ms. Jaya Sharma, Dr.		
			R.P. Mahapatra, Dr.		
			Dhowmya Bhatt		
3.	Electronics	Smart Socket- A Technology	Dr. V. Muneeswaran,	202141023148	06.11.2021
	Communication	Enabler to Prevent Electrical	Dr. Kalpana Murugan		
	Engineering	Hazards in Household			
		Applications			
4.	Electronics	Fall Detection and Avoidance	Dr. Kalpana Murugan,	202141022991	06.11.2021
	Communication	System for Oldsters	Dr. V. Muneeswaran.		
	Engineering				
5.	Biotechnology	Influence of IoT in Microbial	Ms. V. Devatarika, Dr.	202141058303	31.12.2021
		Fuel Cell for Mass Production	G. Puthilibai, Dr. S.		
		of Electricity	Chitradevi, Dr. S.		
			Shantkriti, Dr. G.		
			Thiyagarajan, Dr. T. B		

No	Donortmont	Dotont Title	Patent Members	Application	Filling
No	Department	Patent Title	Name	Number	Date
			Sivakumar, Mr. K.		
			Manikandan, Mrs. S.		
			Revathi, Mr. V. Gokul		
6.	Computer	Remote Authentication	Mr. K. Muthamilsudar,	202141061041	01/07/2022
	Science and	System and Method	M. Akshaya,		
	Engineering		S. Akshaya and		
			B. Prudhvish		
7.	Biotechnology	Method of Preparing	N. Dhivya,	202141061042	01/07/2022
		Adhesive from Tamarind	P. Arunraj,		
		Seeds	R. Santhoshkumar and		
			Anandha Krishnan R		
8.	Automobile	System and Method for Fuel	Dr. S. Gowthaman and	202141061043	01/07/2022
	Engineering	Quantity Monitoring	Mr. K. Thangavel		
9.	Computer	Electrical Energy Controlling	J. Jeyaranjani and	202241000950	01/21/2022
	Science and	System and Method for	Praveen S V		
	Engineering	Educational			
		Institution			
10.	Information	Smart Street Light System	Dr. V. Babyshalini	202241000951	01/21/2022
	Technology				
11.	Biotechnology	Method for Ripening Fruits	Sankarganesh	202241000952	01/21/2022
			Arunachalam and		
10	77		Uma Priya Mohan	202244004540	0.1 /0.0 /0.000
12.	Electronics and	System and Method for Eye	Dr. K. S. Dhanalakshmi,	202241001743	01/28/2022
	Communication	Disease Detection	E. Pavithra,		
	Engineering		Akash Arjun and		
12	Plant deal and		K. Joshna	202241001742	01 /20 /2022
13.	Electrical and	Food Feeding System and Method Thereof	S. Rajendran,	202241001742	01/28/2022
	Electronics	Method Thereof	K. Rajesh,		
	Engineering		V. Buthipriyan, G. Nagarajan and		
			J. Jenson		
14.	Biomedical	Jaundice Detection System	M. Thooya,	202141059774	01/28/2022
14.	Engineering	and Method	N. Poojarithi,	202141035//4	01/20/2022
	Linginicaling	and Method	P. Sakthirathna,		
			Dr. M. Anisha,		
			Mrs. N. Vigneshwari,		
			Mr. C. Jim Elliot and		
			Mr. S. Kalimuthukumar		
			1411. J. KallillutluKulllal		

NI -	Demontra	Dataset Tital a	Patent Members	Application	Filling
No	Department	Patent Title	Name	Number	Date
15.	Biotechnology	Mosquito Repellant Incense	Ritikakalyani . J,	202141059778	01/28/2022
		and Method of Preparing the	Subiksha. N,		
		Same	Rupa and		
			Dr. T. Kathiresan		
16.	Chemical	System and Method for	Dr. Jayatonayak	202141059775	01/28/2022
	Engineering	Drying Crops			
17.	Chemical	Method of Preparing Alcohol	M. Elakkiya,	202141058031	01/28/2022
	Engineering	Based Hand Sanitizer	R. Ramnarendran,		
			I.P. Lakshmikanth and		
			R. Sarath Kumar		
18.	Chemical	Apparatus and Method for	Aruna Janani. V,	202141059776	01/28/2022
	Engineering	Mixing Firework Chemicals	Balakumar. R,		
			Moorthy. S and		
			Kapilan. B		
19.	Chemical	Method of Extracting	Dr. Vikranthvolli	202141058033	01/28/2022
	Engineering	Hydrochar from Sewer			
		Sludge and Municipal Solid			
20.	Computer	Saline Level Monitoring	A. Robert Singh,	202141058032	01/28/2022
	Science and	System and Method	Dr. J. Deny,		
	Engineering		Sunil Kumar U and		
			Vignesh S		
21.	Food Technology	Method of Preparing Bio-	S. I. Jeyanthallwin,	202141059777	01/28/2022
		Degradable Film Using	Irene Kalaiarasi X and		
		Mango Kernel and Mango	Abinjiju		
		Peel			
22.	Electronics and	Speech Based Security	Dr. Kalpanamurugan,	202141058511	02/04/2022
	Communication	System	Cherukuri Nikhil		
	Engineering		Kumar and		
			Donthu Sai Subash		
23.	Electronics and	Biometrics Based Locker	Dr. V. Himadeepthi,	202141058510	02/04/2022
	Communication	Security System and Method	M. Rohith Reddy,		
	Engineering		Ch. Satwik and		
	_		K. Praharsha		
24.	Electronics and	System and Method for	Dr. J. Deny,	202141058578	02/04/2022
	Communication	Detecting Osteoarthritis	K. Alekhya,		
	Engineering	Using Image Enhancement	Amarnath Reddy and		
		Techniques	V. Maneesha		

No	Department	Patent Title	Patent Members Name	Application Number	Filling Date
25.	Electrical and Electronics Engineering	Multi-Staged Waste Treatment System and Method	Dr. C. Shilaja and Mrs. P. Priya	202141058577	02/04/2022
26.	Mechanical Engineering	Chainless Bicycle	Dr. K. Mayandi, Anish Nair, Rajesh S, T. Mahanth and M. Dinesh	2241001740	02/04/2022
27.	Mechanical Engineering	Beverage Cooling Apparatus and Method	Anish Nair, Mayandi K, Rajesh S and Rakhil V	202141058379	02/04/2022
28.	Biomedical Engineering	System and Method for Obstacle Detection	Dr. T. Arunprasath, Sakthivelsankaran, Dr. M. Pallikondarajasekaran, Dr. G. Vishnuvarthanan, Dr. J. Deny, Manimegalairavichand ran and M. Dhineshkumar	202141061360	02/04/2022
29.	Automobile Engineering	System and Method for Preventing Accidents	Dr. S. Gowthaman, Ms. Thummapudideepthi, Mr. R. Vignesh and Mr. M. Gopiprasanna	202141058380	02/04/2022
30.	Biotechnology	Method for Isolation of Immunoglobulin-Y Antibody from Immunized Egg Laying Animal	Dr. N. Hariram	202241003861	02/04/2022
31.	Biotechnology	Bacteria Encapsulated Alginate Beads for Plant Growth Enhancement	B. Vanavil, V. Subharaga, Sumathi. S. Nair, A. Martinajemimal and S. Jency Emi Carolin	202141058381	02/04/2022
32.	Biotechnology	Low-Cost Protein Rich Animal Feed from Silkworm Pupae Waste	Dr. L. Muthulakshmi, Dr. D. Sakthivel and Thayaagharan S	202141058753	02/04/2022

No	Department	Patent Title	Patent Members	Application	Filling
22	Cl	A	Name	Number	Date
33.	Chemical	Apparatus and Method for	V. Aruna Janani,	202241003864	02/04/2022
	Engineering	Production of Conductive Ink	Y. Robin Dhanaraj and		
2.4	Ch	from Combustion Gas	D. Gokul	202244002062	02/04/2022
34.	Chemical	Method of Preparing Herbal	V. Aruna Janani,	202241002963	02/04/2022
	Engineering	Sanitation Kit	D. Gokul,		
			E. Karthikeyan,		
			Keerthana and		
25			Satheesh	202444064244	02/04/2022
35.	Computer	System and Method for	P. Nagaraj,	202141061314	02/04/2022
	Science and	Disease Prediction	Vutukuri Deepak,		
	Engineering		Nithin Gupta and		
			Hemanth Kumar	22221122221	22/2/2222
36.	Computer	Robotic Weed Removing	R. Raja Subramanian,	202241002965	02/04/2022
	Science and	Apparatus and Method	Sandhya,		
	Engineering	Thereof	Tanushkodiraman,		
			Chinimillibhanu,		
			Mohan Kumar,		
			Monika Sreevelampudi,		
			R. Raja Sudharsan,		
37.	Computer	Garbage Bin Overflow	Marreddyvamsidhar	202141058377	02/04/2022
	Science and	Indication System and	Reddy,		
	Engineering	Method	M. Sakthimohan,		
			Poleboinagnaneswarn,		
			saivivek,		
			G. Elizabeth Rani and		
			Prattipatitharun		
38.	Computer	Grass Cutting Machine and	Dr. R. Murugeswari and	202141058378	02/04/2022
	Science and	Method	R. Saivaraprasad		
	Engineering				
39.	Information	Smart Army Jacket	Dr. S.P. Balakannan,	202141058754	02/04/2022
	Technology		Naveen Kumar N,		
			Dhilip Kumar S and		
			A. Chandramouli		
40.	Information	Automatic Lighting Control	Dr. R. Sundarrajan,	202141059512	02/04/2022
	Technology	System and Method	N. Naveen Kumar,		
			S. Dhilip Kumar,		
			S. Selva Kumar and		
			P. Rajasekaran		

No	Department	Patent Title	Patent Members Name	Application Number	Filling Date
41.	Computer	System for Indicating	Mr. S. Kailasam	202241002966	02/04/2022
	Science and	Liquified Petroleum Gas			
	Engineering	Level			
42.	Information	Assistance System and	S. Suprakash	202141062138	02/04/2022
	Technology	Method for Elderly Person			
43.	Civil Engineering	Method of Preparation of	Dr. S. Vanitha,	202241002964	02/04/2022
		Thermal Insulation Plaster	P. Karthigaipriya,		
			Tamminenigowtham		
			Kumar,		
			Bijjamravindra Reddy,		
			Yenikapati Sri Harsha		
			Gangurivamsi Sri		
			Krishna and		
			M. Atheenam		
44.	Civil Engineering	Eco-Sustainable Three-	Dr. M. Muthukannan,	202141062140	02/04/2022
		Dimensional Printed	Mr. K. Arunkumar and		
		Geopolymer Brick	Mr. A. Sureshkumar		
45.	Civil Engineering	Eco Sustainable Light Weight	Dr. M. Muthukannan	202141061311	02/04/2022
		Low Calcium Geopolymer	and		
	_	Brick	Mr. K. Arunkumar		
46.	Civil Engineering	Method of Manufacturing	Dr. PL. Meyyappan and	202241003863	02/04/2022
		Paver Blocks	Dr. C. Sivapragasam		
47.	Food	Method of Preparing	K. Swathi,	202141059511	02/04/2022
	Technology	Biodegradable Food	S. I. Jeyanthallwin and		
		Packaging from Seemai	Dr. S. Reginoldjebita		
40	A . 1.	Karuvelam	D W W	202244000062	00/04/0000
48.	Agriculture	Method of Preparing Silver	Dr. Kannan K.	202241003862	02/04/2022
		Nitrate Nanoparticle Coating	Pon Kishore.		
		for Mycelia	Veladicharan L S and		
40	A . 1.	Brick	Karthick S	000044004544	00/04/0000
49.	Agriculture	Method of Producing	D. Sivakumar,	202241001741	02/04/2022
		Tamarind Powder	Jaga Mohan Mehar,		
			D. Ragasudha,		
			B. Doraswamyreddy		
F0	A grain and the con-	Mathad of Ingressins Chall	and B. Ushasree	202141071212	02/04/2022
50.	Agriculture	Method of Increasing Shelf-	Dr. Sivakumardurairaj,	202141061313	02/04/2022
		Life of Paneer	Dr. Jagamohanmeher,		
			Perumalla Srikanth,		
			D. Ragasudha,		

No	Department	Patent Title	Patent Members Name	Application Number	Filling Date
			B. Doraswamyreddy and B. Ushasree		
51.	Biotechnology	Method for Preparing Phyco- Vermicompost for Double Fertilizer Treatment of Chili Plants	Shantkriti Srinivasan, Mariyasneha Rani, Joseph, Neelavenivelusamy, Pavithrapetchimuthu	202141061312	02/04/2022
52.	Civil Engineering	Method of Preparing Organic Manure to Promote Plant Growth and Crop Yield	Dr. S. Vanitha	202241002967	02/04/2022
53.	Civil Engineering	Method of Preparing Organic Manure to Promote Plant Growth and Crop Yield	Dr. S. Vanitha, Dr. K. Selvarani, Dr. C. Sivapragasam, Dr. PL. Meyyappan, A. Kowsiga and Lidwin Joan Jeraldine	202241002967	02/04/2022
54.	Computer Science and Engineering	Water Quality Monitoring System and Method	R. Sumathi, G. Poojitha Sree, Vandana and G. Kowshik	202141058755	02/04/2022

SUPPORT TO RESEARCH

To promote research activities, KARE provides stipend to full-time Ph.D. scholars if a scholar is not receiving any financial scholarship from other sources. Further, young researchers with Ph.D. qualification are also invited to the institute to continue their research. Such Post-Doctoral scholars are also provided the financial scholarship. The following table provides details of such financial supports provided to scholars in 2021-2022.

No.	Department	Number of Doctoral and Post- Doctoral Scholars Supported	Annual Fellowship (Rs.)
1.	Biotechnology	10	316918
2.	CA	2	131334
3.	Civil Engineering	4	207501
4.	Computer Science and Engineering	2	131334
5.	Electronics and Communication Engineering	2	281991
6.	Electrical and Electronics Engineering	4	156002
7.	English	2	131334

No.	Department	Number of Doctoral and Post- Doctoral Scholars Supported	Annual Fellowship (Rs.)
8.	Mathematics	1	65667
9.	MBA	3	143668
10.	Mechanical Engineering	1	96880
11.	Physics	1	65667
12.	Social Work	1	12334
	Total	33	1740630

SEED MONEY FOR RESEARCH

No.	Faculty Name	Department	Amount
1.	Dr. S. Arunvinthan	Aeronautical Engineering	450000
2.	Dr. S. Jeyakumar	Aeronautical Engineering	430000
3.	Dr. Keerthy Vijayan	Agriculture	410000
4.	Dr. K. Kannan	Agriculture	385000
5.	Dr. R. Kannan	Agriculture	390000
6.	Dr. K. Selvaraj	Bio Technology	275450
7.	Dr. S. Shantkriti	Bio Technology	400000
8.	Dr. L. Muthulaskhmi	Bio Technology	450000
9.	Dr. B. Vanavil	Bio Technology	320000
10.	Dr. S. Ram Kumar Pandian	Bio Technology	450000
11.	Mr. S.J. Kabilan	Bio Technology	185000
12.	Dr. M. Anisha	Biomedical Engineering	360000
13.	Dr. T. Arunprasanth	Biomedical Engineering	410000
14.	Dr. G. Delina-PI	Business Administration	240000
15.	Dr. S. Vanitha	Civil Engineering	400000
16.	Dr. K. Mukilan	Civil Engineering	340000
17.	Dr. S. Viji	Commerce	140000
18.	Dr. S. Karthik	Commerce	340000
19.	Dr. R. Murugeswari	Computer Science and Engineering	425000
20.	Dr. R. Ramalakshmi	Computer Science and Engineering	420000
21.	Dr. Mohd Usama	Computer Science and Engineering	420000
22.	Dr. N.C. Brintha	Computer Science and Engineering	430000
23.	Dr. M. Maria Antony Raj	Department of Social work	280000
24.	Mr. M. Karuppasamy Pandiyan	Electrical and Electronics Engineering	400000
25.	P. Aruna Jeyanthy	Electrical and Electronics Engineering	290000
26.	Dr. P. Priya	Electrical and Electronics Engineering	390000
27.	Dr. C. Shilaja	Electrical and Electronics Engineering	350000
28.	Dr. A. Muthukumar	Electronics and Communication	250000
		Engineering	
29.	Dr. K.S. Dhanalaskhmi	Electronics and Communication	294000
		Engineering	
30.	Dr. Charles Praveen	Electronics and Communication	420000
		Engineering	

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31.	Dr. J. Sampson	Electronics and Communication	410000
		Engineering	
32.	Dr. K. Suthendran	Information Technology	450000
33.	Dr. V. Yogeshwar Chakrapani	Instrumentation and Control	425000
		Engineering	
34.	Dr. A. Arivarasan	Physics	460000
35.	Dr. Naidu Dhanpal Jayram	Physics	200000
36.	Dr. S. Saravanakumar	Physics	390000
37.	Dr. T. Theivasanthi	Physics	290000
38.	Dr. M.S. Revathy	Physics	485000

PUBLICATIONS IN PEER REVIEWED & INDEXED JOURNALS (SCOPUS)

No.	Country of collaborating	No. of
	author(s)	publications
1.	Saudi Arabia	52
2.	Ethiopia	25
3.	South Korea	31
4.	Thailand	24
5.	United Kingdom	23
6.	Russian Federation	17
7.	United States	15
8.	Malaysia	20
9.	Poland	14
10.	Bangladesh	12
11.	Italy	11
12.	China	15
13.	Egypt	8
14.	Pakistan	6
15.	South Africa	10
16.	Iraq	3
17.	Turkey	14
18.	United Arab Emirates	7
19.	Germany	4
20.	Indonesia	3
21.	Nigeria	2
22.	Oman	3
23.	Taiwan	6
24.	Australia	5
25.	Bahrain	3
26.	Belgium	2
27.	Norway	4
28.	Romania	3
29.	Singapore	3
30.	Canada	1

No.	Country of collaborating	No. of
	author(s)	publications
31.	France	2
32.	Hong Kong	1
33.	Malta	1
34.	Netherlands	1
35.	New Zealand	1
36.	Peru	1
37.	Qatar	2
38.	Tunisia	2
39.	Yemen	1
40.	Bosnia and Herzegovina	1
41.	Botswana	0
42.	Brazil	3
43.	Brunei Darussalam	0
44.	Central African Republic	2
45.	Croatia	1
46.	Czech Republic	1
47.	Denmark	0
48.	Finland	1
49.	Greece	1
50.	Iran	4
51.	Israel	2
52.	Japan	1
53.	Jordan	1
54.	Kazakhstan	1
55.	Lebanon	1
56.	Philippines	1
57.	Slovakia	0
58.	Slovenia	2
59.	Spain	3
60.	Tanzania	1
61.	Ukraine	0
62.	Viet Nam	2
63.	SWEDEN	2
64.	Portugal	1
65.	Eritrea	1
66.	Hungary	1

SUBJECT-WISE PUBLICATIONS (SCOPUS)

No.	Subject	No. of publications			
1.	Engineering	376			
2.	Computer Science	301			
3.	Materials Science	246			

4.	Physics and Astronomy	165
5.	Decision Sciences	117
6.	Mathematics	125
7.	Energy	110
8.	Medicine	81
9.	Chemistry	85
10.	Environmental Science	59
11.	Chemical Engineering	48
12.	Agricultural and Biological Sciences	41
13.	Biochemistry, Genetics and Molecular Biology	40
14.	Social Sciences	39
15.	Business, Management and Accounting	20
16.	Pharmacology, Toxicology and Pharmaceutics	15
17.	Multidisciplinary	9
18.	Earth and Planetary Sciences	13
19.	Arts and Humanities	8
20.	Immunology and Microbiology	7
21.	Economics, Econometrics and Finance	4
22.	Neuroscience	3
23.	Health Professions	1

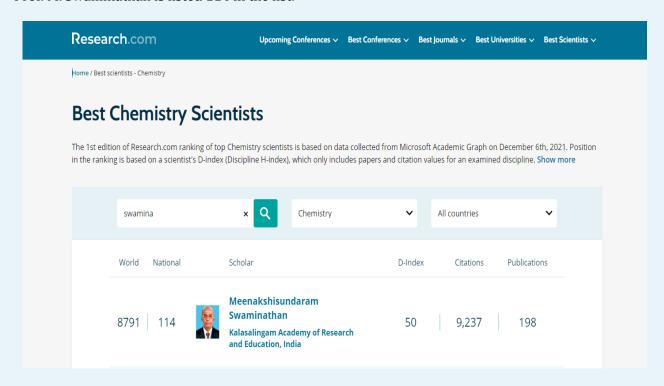
DEPARTMENT WISE PUBLICATIONS (SCOPUS)

No	Department	No of publications
1.	Aeronautical Engineering	9
2.	Automobile Engineering	16
3.	Biotechnology	43
4.	Chemical Engineering	8
5.	Chemistry	48
6.	Computer Science and Engineering	97
7.	Mathematics	21
8.	Mechanical Engineering	161
9.	Architecture	2
10.	Civil Engineering	65
11.	Food Technology	1
12.	Agricultural Engineering	5
13.	Horticulture	1
14.	Biomedical Engineering	39
15.	Business Administration	3
16.	Computer Applications	30
17.	Electrical and Electronics Engineering	56
18.	Electronics and Communication Engineering	124
19.	Electronics and Instrumentation Engineering	2
20.	English	8
21.	Information Technology	21

No	Department	No of
		publications
22.	Library Sciences	3
23.	Physics	90
24.	Social Work	1

BEST CHEMISTRY SCIENTISTS

Research.com published Top chemistry 227 Scientists in India based on h index. Prof. M. Swaminathan, FRSC, Nanomaterials Laboratory, Department of Chemistry, International Research Centre, Kalasalingam Academy of Research and Education is one of the Top chemistry 227 Scientists. Prof. M. Swaminathan is listed 114 in the list.



HIGH IMPACT FACTOR PUBLICATION



Dr. S. Saravana Kumar, Department of Physics, published a research paper titled "Metal halide perovskite quantum dots for amphiprotic bioimaging" in the Coordination Chemistry Reviews which has an Impact Factor of 22.315.



Dr. M. Swaminathan, Department of Chemistry, published a research paper titled "Single metal atom oxide anchored Fe304-ED-rGO for highly efficient photodecomposition of antibiotic residues under visible light illumination" in the journal Applied Catalysis B. Environmental which has an Impact Factor of 20.

5. MISCELLANEOUS

IQAC MEETING

- > The IQAC fourth quarter meeting was held on 30.08.2021. The external members Dr. N. Alagumurthi, Professor & Head, Mechanical Engineering, Pondicherry Engineering College, Dr. K. Janakiraman, Head, OBO Betterman, Chennai, and Dr. Arun Rajagopal, Director (Data Science), Evive Software Analytics, Bengaluru attended the same and offered their valuable suggestions. Few key points are:
 - ♦ Members suggested to offer more number of innovative programs.
 - Members advised to focus on attracting international students.
- ➤ The IQAC first quarter meeting was held on 25.11.2021. The external members Dr. N. Alagumurthi, Professor & Head, Mechanical Engineering, Pondicherry Engineering College, Dr. K. Janakiraman, Head, OBO Betterman, Chennai, and Dr. Arun Rajagopal, Director (Data Science), Evive Software Analytics, Bengaluru attended the same and offered their valuable suggestions. Few key points are:
 - Members advised to give rating for the KPI.
 - Members suggested to attract more students from other states and abroad as well as by modernizing the infrastructure.
 - Members expressed the importance to inculcate the NEP based practices in the university.
 - Members suggested to sign MoU with reputed Industries for augmenting more instrumentation facilities in the campus.
- > The IQAC second 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:

- 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 members appreciated the efforts.
- IQAC members appreciated the examination results for the academic year 2021-22 with a discussion on the quality aspects.
- Members suggested concentrating on increasing the mean/median salary campus placements.
- ♦ Members congratulated for achieving good ranks in NIRF-2022.
- ➤ The IQAC third quarter 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.
 - ❖ 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 members appreciated the efforts.
- ❖ IQAC members appreciated the examination results for the academic year 2021-22 with a discussion on the quality aspects.
- ♦ Members suggested concentrating on increasing the mean/median salary campus placements.
- ♦ Members congratulated for achieving good ranks in NIRF-2022.

LIST OF PROGRAMS CONDUCTED

S. No	Event Name	Duration
1	Two days Quality Workshop on Developing MOOC Courses	13 th to 17 th July
		2022
2	One day Quality Workshop on Engineering Education	18th July 2022
	Research	
3	Faculty Conclave Effectiveness of the foundation core	11.01.2022 to
	courses for the first year UG Arts and Science Programs	11.01.2022
4	Assessing Students Online	01.09.2021 to
		01.09.2021
5	Assessment and Accreditation as a benchmark for Quality-	08.12.2021
	A collaborative workshop with Younus College of	
	Engineering and Technology	

FOR MORE INFORMATION, CONTACT:



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Dr. V. Vasudevan Registrar registrar@klu.ac.in

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Ms. S. Ponmalar, Technical Officer (Accreditation and Ranking)