



ANNUAL REPORT 2019 – 2020

Kalasalingam Academy of Research and Education

(Deemed to University)
Krishnankoil – 626 126

Prepared by the Office of Accreditation and Ranking

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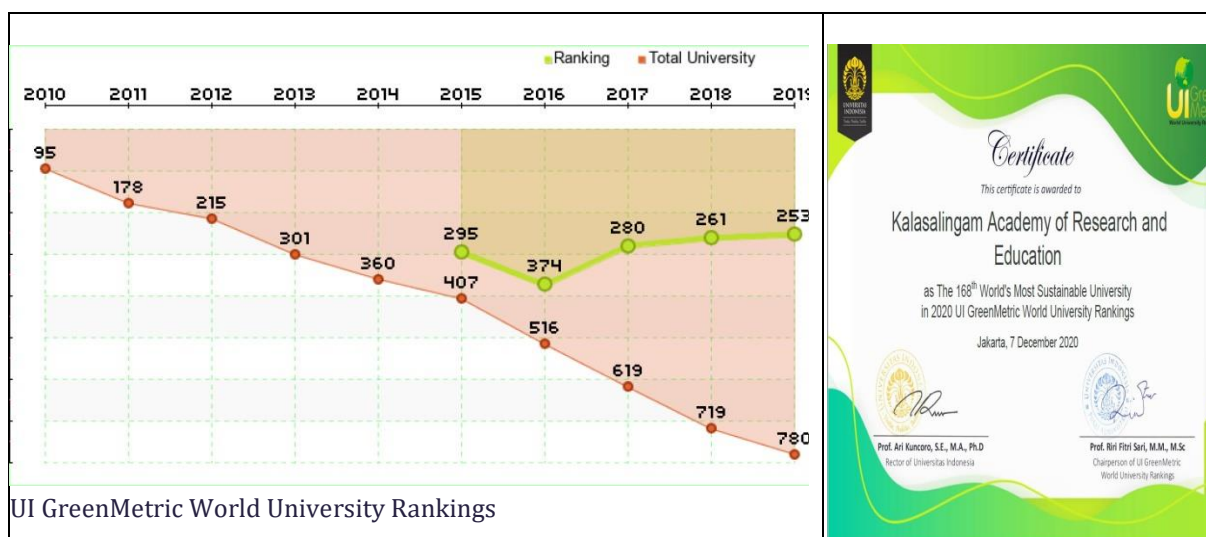
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1. GENERAL

PARTICIPATIONS IN RANKING AND ACCREDITATIONS

1. KARE participated in Atal Ranking of Institution on Innovation Achievements (ARIIA) by submitting data on 30.10.2019.
2. KARE participated in AICTE – CII Survey of Industry Linked Technical Institutes 2019 by submitting data for both Phase 1 and Phase 2. From a list of 9832 institutions, 3842 institutes were shortlisted in the first phase. In the second phase, the institutes were ranked or categorized. Results were declared on 12.11.2019 and KARE was categorized as Platinum (Institute with high industry linkages).
3. KARE participated in the UI Green Metric World University Rankings by submitting data on 24.10.2019. The results were declared on 03.12.2019. KARE was adjudged as the 253rd World's Most Sustainable University in 2019 UI Green Metric World University Rankings. In India, KARE stands in fourth place. The history of the ranks of KARE is given below in the graph.



4. AICTE provided an appreciation certificate for participation in the Clean & Smart Campus Award on 03.12.2019.



5. KARE participated in the National Institutional Ranking Framework (NIRF-2020) by submitting data on 14.12.2019.
6. KARE participated in the Times Higher Education Impact Ranking 2020 on 16.01.2020.
7. KARE participated in the CAREERS 360 – 2020 by submitting the data on 14.02.2020.
8. An expert team from National Board of Accreditation visited Kalasalingam Academy of Research and Education on 21st February 2020 for extending the accreditation of the B.Tech. Electrical and Electronics Engineering and Civil Engineering.
9. KARE participated in The Week (Hansa Research Survey)2020 and submitted the required documents on 12.03.2020.

10. Participated in the CAREERS 360 – Engineering Ranking – 2020 by submitting the data on 09.04.2020.
11. Ranked in the band 101-200 in The Impact Ranking 2020 in SDG6 - Clean Water and Sanitation Category on 22.04.2020.
12. Participated in the Times Higher Education World University Ranking 2020 on 19.05.2020.
13. B.Tech. Civil Engineering and B.Tech. Electrical and Electronics Engineering programmes got extension of accreditation by NBA for 3 years on 28.05.2020.
14. Ranked in NIRF 2020 on 11.06.2020 as follows:

CATEGORY	RANK
Engineering	60
University	72
Overall	101-150 band



15. Participated in the Times Higher Education Subject Validation 2020 on 19.06.2020.
16. Participated in the Times Annual Engineering College Ranking Survey 2020 by submitting the data on 24.06.2020.

NATIONAL AWARD RECEIVED BY RED RIBBON CLUB

KARE was recognized as one of the best institutions in engaging and mobilizing youth to prevent and control HIV/AIDS for the National AIDS control programme.



The recognition award was received by Dr. P. Perumal, NSS Coordinator, KARE from Sri. Sanjeeva Kumar, IAS, Special Secretary & Director General NACO and RNTCP, Ministry of Health and Family Welfare, Government of India at New Delhi on 1st November 2019.

OFF CAMPUS PROPOSAL

KARE proposed an off-campus centre of KARE in Chennai. Based on the proposal submitted to UGC, a UGC Expert Committee visited KARE on 6th & 7th September 2019 for the recognition of the off- campus centre for Arts & Science Programs.

VISIT FOR CLEAN AND SMART CAMPUS AWARD AND SWACHHATA RANKING 2019

Based on the application submitted for the award of Clean and Smart Campus, an Expert Committee constituted by AICTE, consisting of Prof. Dr. Gunwant Sharma, Department of Civil Engineering, Malaviya National Institute of Technology, Jaipur, Prof. Dr. K.G. Gupta, Professor, HoD, Civil Engineering, Goa College of Engineering, Prof. Dr. V.D. Nandavdekar, Registrar, Shivaji University Kolhapur visited KARE on 7th September 2019. Following this, a single-member committee constituted by AICTE for Swachhata Ranking, Dr. R. Velkennedy, Thiagrajar College of Engineering, Madurai, visited KARE on 9th September 2019. Further, another Expert Committee constituted by UGC, consisting of Prof. Dr. Niruparani, Department of English, Andhra University, Visakhapatnam, Dr. B. Devimadhavi, Head of the Department, Community Medicine, Andhra Medical University, Visakhapatnam, Dr. P. Parthiban, Associate Professor, Department of Production Engineering, National Institute of Technology, Trichy visited KARE on 18th September for the award of Swachhata Ranking 2019.

MARGDARSHAN SCHEME OF AICTE

KARE was recognized by AICTE's as a hub (mentor) for the MHRD's Margdarshan Scheme on 06.09.2019 for 3 years to support 25 spoke (mentee) technical institutions. AICTE provided financial support of Rs. 30 lakhs to KARE. The mentee institutions are from the states of Tamil Nadu, Andhra Pradesh, Karnataka, Kerala, and Union Territory of Pondicherry. Through this scheme, the best practices will be shared to build the capacity of the mentee institutions. KARE as a mentor will support the mentee institutions in the fields of academic, research and sharing of resources. KARE has planned to conduct programs focusing on teaching-learning processes and accreditations. It is planned to conduct six Faculty Development Programmes (FDP), a one-week duration each, and about 25 guest lectures.

CAMPUS UPGRADES

NEW ELEVENTH BLOCK

In the year 2019-2020, KARE has officially opened the eleventh block. The new building provides a modern learning environment.



Gallery Classroom



Varanda



Varanda



Construction of rainwater harvesting facility

SODEXO

Sodexo is a French food service and facilities management company headquartered in Paris, France. Sodexo is one of the world's largest multinational corporations, with 4,20,000 employees and is present on 34,000 sites in 80 countries. A contract was signed with Sodexo to launch its catering arm in KARE from the 2019-2020 academic year. Sodexo committed to provide hygienic and quality multi-cuisine food services to students. In 2019-2020, Sodexo launched its catering in KARE, Krishnankoil.



A view of canteen



A view of hostel dining hall

CHANCELLOR HONOURED WITH VASHISHTA-SEVA PURASKAR AWARD



Our Honorable Chancellor, Dr. K. Sridharan was praised with *Vashishta Award* 2019 for his many contributions in the national building in the *Seva Puraskar Award* distribution ceremony conducted by the organization 'I Stand for the Nation' at Bangaluru on 08.12.2019

ABET ACCREDITATION VISIT

Accreditation Board for Engineering and Technology (ABET) is an international accreditation body founded in 1932 in the USA, accredited 4,144 programs at 812 colleges and universities in 32 countries. Each year, 2,200 experts from 35 member societies contribute to ABET's goal of assuring confidence in Science, Technology, Engineering and Mathematics (STEM) education. KARE applied for ABET accreditation for 11 of the B.Tech. programmes and submitted the Self-Study Reports. The ABET committee comprising of 17 expert members visited KARE on 10th -12th November 2019. The members represented the Engineering Accreditation Commission (EAC), Applied and Natural Science Accreditation Commission (ANSAC), and Computing Accreditation Commission (CAC) with a Team Chair and Programme Evaluators for each commission. The Team Chairs were Dr. John Farr (EAC), Dr. Sam Formby (EAC – Co-Chair), Dr. Rebecca Popeck, (ANSAC), and Dr. Stephanie Smullen (CAC). The Programme Evaluators are Dr. Peter Jones (Automobile Engineering), Mr. Stephen Zahos (Biotechnology), Dr. John Steadman (Biomedical Engineering), Mr. William Edgerton (Civil Engineering), Dr. Claire Komives (Chemical Engineering), Dr. Andy Hale (Food Technology), Dr. Ahmed Kamal (Electrical and Electronics Engineering), Dr. James Aanstoos (Electronics and Communication Engineering), Dr. Nigamanth Sridhar (CAC - Computer Science Engineering); Dr. John Vian (EAC - Computer Science Engineering), Dr. Vijay Naik (Information Technology), and Dr. Ahmet Yigit (Mechanical engineering). Dr. Pradeep Waychal was also part of the ABET team as the Computer Science Accreditation Board observer.



The Programme Evaluators visited the laboratory facilities, looked into the display materials, discussed with select students, select faculty members, head of the department, the program chair, parents, industrial expert in Board of Studies, alumni, and employer. The Team Chairs visited the Central Library and the International Research Center and discussed with the Chancellor, Vice- President, Vice-Chancellor, Registrar, and some of the Directors. After passing in the Accreditation Commission meeting in July 2020, the final accreditation conferment will be mailed on 31st August 2020.



Dr. John Farr,
University of
Central Florida,
Orlando, FL, USA



Dr. Sam Formby,
Appalachian State
University,
Boone, NC, USA



Rebecca
Popeck, PLS, SPAC
ECO, Inc., Rosemont,
IL, USA



Dr. Stephanie
Smullen, The
University of
Tennessee-
Chattanooga, TN,
USA



Dr. Peter Jones,
Auburn
University,
Auburn, AL, USA



Mr. Stephen Zahos,
University of
Illinois, Urbana-
Champaign, IL, USA



Dr. John Steadman,
University of South
Alabama, Mobile,
AL, USA



Mr. William
Edgerton,
McMillen Jacobs
Associates,
Pasadena, CA,
USA



Dr. Claire
Komives, San Jose
State University,
San Jose, CA, USA



Dr. Andy Hale,
North Carolina
State University,
Raleigh, NC, USA



Dr. Ahmed Kamal,
Iowa State
University, Ames,
IA, USA



Dr. James Aanstoos,
Iowa State
University, Ames,
IA, USA



Dr. Nigamanth Sridhar,
Cleveland State
University, Cleveland,
OH, USA



John Vian, Boeing,
Chicago, IL, USA



Dr. Vijay Naik, IBM
Thomas J. Watson
Research Center,
Yorktown Heights, NY,
USA



Dr. Ahmet Yigit,
Kuwait University,
Safat, Kuwait



Dr. Pradeep Waychal,
Chhatrapati Shahu
Institute of Business
Education and
Research, Kolhapur,
MH, India

INSTITUTION INNOVATION COUNCIL

Institution Innovation Council (IIC) was established at Kalasalingam Academy of Research and Education in November 2018. This council undertook various activities such as product-design thinking, the idea to product contest, entrepreneurship speech, field visits, start-up ulla as prescribed by Innovation Cell, Ministry of Human Resource Development, Government of India during the calendar the year 2018-19. Based on the active participation and achievements of IIC of KARE, a 4-star rating was given by the Ministry of Human Resource Development and a certificate was issued on 06.11.2019.



32nd CONVOCATION

The 32nd convocation was held on 04.01.2020. Sri. R. Rajagopal, IAS, Chief Information Commissioner, Tamilnadu delivered the convocation address and distributed degrees to students belonging to various departments including Engineering, Arts, Science, Management, Architecture. Rank holders in each of the programme were given medals and certificates. Degrees were awarded to 1172 B.Tech., 40 M.Tech., 114 Business Administration, 21 MCA, 26 B.Arch., 1 M.Arch. and 39 Ph.D. graduands. Further, 479 received of UG degrees, 37 received PG degrees in Arts and Science and 32 received of M.Phil., 3 received Master of Social Work degrees. In his convocation address, Sri. R. Rajagopal emphasized that academic grade alone is not sufficient in this information age but the soft skills play a vital role in successful career. He stressed on hard-work, dedication, zeal and converting failures as steps to achieve.



Sri. R. Rajagopal, IAS, Chief Information Commissioner, Tamilnadu delivered the convocation address and distributed degree Certificate

INDEPENDENCE DAY CELEBRATION

The teaching and non-teaching staff members of KARE celebrated the 73rd Independence Day in the sports ground on 15th August 2019 at 8.30 am. Dr. Chandra, Principal, Arulmigu Kalasalingam College of Arts and Science, hoisted the flag and commanded the Independence Day parade. Dr. P. Nagaraj delivered the Independence Day address and promoted NCC cadets on this occasion.



REPUBLIC DAY CELEBRATION



71st Republic Day was celebrated on 26.01.2020 in a very grand manner. Dr. A.R. Anandha Krishnaveni, Principal of Arulmigu Kalasalingam College of Education was the chief guest. The following NCC cadets were promoted and awarded during the function.

1. Ms. Sneha (Cadet Corporal to Cadet Under Office)
2. Mr. Yerragudi Ashraf (Cadet Corporal to Company Sergeant Major)
3. Mr. Annapureddy ganessh kumar reddy (Cadet to Company Quarter Master Sergeant)
4. Mr. K. Muthuraj (Cadet to Cadet Sergeant)
5. Mr. C. Vishnu (Cadet to Lance Corporal).

MoU

KARE adds up a MoU with IBM in January 2020, based on which students from the second year can choose IBM as one of the electives in the regular courses. Those who have undergone this IBM course, need not undergo any training programme offered by the company after their recruitment.

2.ACADEMICS

FACULTY DEVELOPMENT PROGRAMS ORGANIZED FOR TEACHING STAFF

TOTAL 109 FDPs (61 ORGANIZED INTERNALLY AS LISTED BELOW) AND 384 OF OUR FACULTIES

PARTICIPATED OVERALL

No.	School / Office	Title	Date(s)	No. of Participants
1.	School of Architecture	Research methods and analytical applications in Architecture and urban planning	18.11.2019 - 22.11.2019	20
2.	School of Computing	Introduction to Data Analytics	18.11.2019 - 23.11.2019	30
3.	Office of Accreditation and Ranking	Sensitization on NAAC Revised Manual for Senior Officers	20.11.2019	50
4.	Internal Quality Assurance Cell	Advanced Digital Pedagogy	24.12.2019	35
5.	School of Environmental and Construction Technology	Introduction to Civil Engineering	05.12.2019 - 11.12.2019	13
6.	School of Automotive and Mechanical Engineering	Material Science and Metallurgy	02.12.2019 - 08.12.2019	26
7.	School of Bio and Chemical Engineering	Prospects in Plant and Algal Biotechnology	06.12.2019 - 12.12.2019	20
8.	School of Bio and Chemical Engineering	Advancement in Biomedical Instrumentation	11.12.2019 - 17.12.2019	8
9.	School of Computing	Introduction to Internet of Things	11.12.2019 - 17.12.2019	30
10.		Information Security Fundamentals	04.12.2019 - 10.12.2019	30
11.		Introduction to Artificial Intelligence and Machine Learning	04.12.2019 - 10.12.2019	30
12.		Machine Learning using R	02.12.2019 - 08.12.2019	16
13.	School of Electronics and Electrical	Modeling, Analysis and Control of Power Systems	01.12.2019 - 17.12.2019	14
14.	School of Computing	Electro magnetic and Antenna Design	10.12.2019 - 16.12.2019	33
15.	School of Liberal Arts and Special Education	Teacher Support Programme	02.12.2019 - 03.12.2019	19
16.	School of Agricultural and Processing Sciences	Plant Protection and Nutrient Management	10.12.2019 - 16.12.2019	20
17.	School of Advanced Sciences	Recent Advances in Chemistry to Technocrats	06.12.2019 - 12.12.2019	30
18.		Modern Materials to Technologists	05.12.2019 - 11.12.2019	35
19.		Modern Trends in Pure and Applied Mathematics	04.12.2019 - 10.12.2019	26
20.	Kalasalingam Business School	Financial Management and Accounting and Communication for Business	23.12.2019 - 24.12.2019	35

No.	School / Office	Title	Date(s)	No. of Participants
21.	School of Environmental and Construction Technology	Hands on Training on Auto CADD	06.01.2020 - 12.01.2020	15
22.	School of Computing	RHCSA- System Administration	22.01.2020 - 23.01.2020	21
23.		Algorithmic Thinking and Problem Solving	24.01.2020	32
24.	School of Agricultural and Processing Sciences	Nutricereals	25.01.2020	24
25.	School of Environmental and Construction Technology	Orientation Programme on Revit Architecture	25.01.2020 - 26.01.2020	14
26.	Kalasalingam Business School	Developing Effective Facilitating Skills	27.01.2020 - 28.01.2020	18
27.	School of Computing	Emerging IT Technologies	01.02.2020	27
28.		Hybrid Mobile Application Development using Ionic Framework	01.02.2020	16
29.		Recent Trends in Artificial Intelligence & Impact of Teaching Professionals	02.02.2020 - 08.02.2020	16
30.	School of Agricultural and Processing Sciences	Working Principles of Food Engineering Equipments	03.02.2020	14
31.	School of Electronics and Electrical	Process Control and Automation	03.02.2020 - 07.02.2020	12
32.	School of Computing	Block Chain Technology	08.02.2020	15
33.	Kalasalingam Business School	Online Innovative Teaching	11.02.2020	15
34.	School of Electronics and Electrical	Integrating Computational Thinking with Matlab & Simulink for Renewable Energy	12.02.2020 - 18.02.2020	20
35.		Automaton System Design using PLC and DCS	17.02.2020	16
36.	Kalasalingam Business School	Statistical tools for research	17.02.2020 - 23.02.2020	13
37.	School of Mechanical Engineering	AI & Machine Learning	20.02.2020 - 28.02.2020	11
38.	School of Computing	Understanding Design Thinking and People Centered Design	24.02.2020	10
39.		Microsoft Azure for Beginners	12.05.2020 – 14.05.2020	41
40.	School of Electronics and Electrical Technology	Unlocking the Potential: Role of <i>Unnat Bharat Abhiyan</i> in the Development of the Aspirational Districts in Tamilnadu	14.05.2020	45
41.	School of Advanced Sciences	Probability and Statistics (with hands on training using virtual MATLAB and R)	16.05.2020 – 22.05.2020	83
42.	School of Computing	Recent Trends in Information Technology	18.05.2020 – 24.05.2020	75
43.	Kalasalingam Business School	Effective Learning and Teaching Methods of Business Practices	19.05.2020 – 25.05.2020	100
44.	School of Electronics and	National Level One-Week Faculty Development Program On “Recent	19.05.2020 – 25.05.2020	53

No.	School / Office	Title	Date(s)	No. of Participants
	Electrical Technology	Trends in Wireless and IoT-enabled Networks"		
45.	School of Advanced Sciences	Advanced Engineering Materials	21.05.2020 – 27.05.2020	29
46.		Centrality Measures in Graph Theory	23.05.2020	31
47.	School of Automotive and Mechanical Engineering	One Week FDP on Advances on Production and Industrial Engineering	25.05.2020 – 30.05.2020	125
48.		FDP on The Composite during Lockdown	27.05.2020 – 31.05.2020	117
49.	School of Electronics and Electrical Technology	Power Electronics Converters for Renewable Energy Systems	27.05.2020 – 02.06.2020	62
50.	School of Automotive and Mechanical Engineering	Composite Mechanics and GComp	03.06.2020 – 04.06.2020	98
51.	School of Computing	Predictive Analytics	05.06.2020 – 10.06.2020	22
52.	School of Advanced Sciences	Novelty in Trending Engineering Mathematics – '20	06.06.2020 – 12.06.2020	30
53.		Groups and Rings	06.06.2020	42
54.	School of Automotive and Mechanical Engineering	Applied Thermal Engineering	08.06.2020 – 14.06.2020	145
55.	School of Advanced Sciences	Fourier & Wavelet Transforms	10.06.2020	37
56.	School of Computing	IT physical security and system security	11.06.2020 – 15.06.2020	44
57.	School of Liberal Arts and Special Education	A Five-Day Online Short-Term Training Program on Enhancing LSRW Skills for Non-Teaching Faculty of KARE	12.06.2020 – 16.06.2020	110
58.	School of Automotive and Mechanical Engineering	Forecasting OBE towards Institutional Accreditation - AICTE Margdharsan - KARE	15.06.2020 – 20.06.2020	208
59.	School of Computing	Sensor Technology and Instrumentation	16.06.2020 – 19.06.2020	12
60.		Project Based Java Programming from An Industrial Perspective	19.06.2020 – 21.06.2020	21
61.	Kalasalingam Business School	Emerging Trends in Business and Society	26.06.2020 – 02.07.2020	120

FACULTY DEVELOPMENT PROGRAMS ORGANIZED FOR NON- TEACHING STAFF

No	Title	Date(s)	Participants
1	Development of Inter-personal skills	10.01.2020 to 11.01.2020	20
2	Use of Technology to improve Spoken English	17.01.2020	10
3	Soft Skill Development	27.01.2020	12
4	Skill Development Programme	29.01.2020	14
5	Electrical Safety	12.02.2020 to 18.02.2020	10
6	Personal safety in Workplace	14.02.2020 to 15.02.2020	18
7	Hands-on training on Effective working with Microsoft Office	14.02.2020 to 15.02.2020	17

WEBINARS ARRANGED THROUGH IUCEE

Resource Person	No. of webinars	No. of beneficiaries
Foreigners	22	784
Indians	35	984

SOME OF THE RESOURCE PERSONS OF THE WEBINARS



Prof. Sirin Tekinay,
Electrical and Electronics
Engineering, Sabanci
University, Istanbul,
Turkey



Dr. Rio D'Souza,
Department of Computer
Science and Engineering,
St. Joseph Engineering
College, Mangaluru, India



Dr. Jack M. Wilson,
Department of Physics,
University of Massachusetts,
Lowell, USA



Dr. Lisa Looney,
Department of
Engineering and
Computing, Dublin City
University, Dublin,
Ireland



Dr. T.R. Neelakantan,
Department of Civil
Engineering,
Kalasalingam Academy of
Research
and Education,
Krishnankoil, India



Dr. J.P. Auffret, Director,
Center for Assurance
Research and
Engineering,
George Mason University,
Fairfax, VA, USA



Dr. C. Sivapragasam, Director,
Internal Quality Assurance
and Compliance Cell, KARE,
Krishnankoil, TN, India



Dr. Michael P Ciuchta,
Professor, Department of
Marketing
Entrepreneurship
Innovation, University of
Massachusetts, Lowell,
MA, USA



Dr. J.T. Winowlinjappes,
Professor,
Department of Mechanical
Engineering, KARE, TN,
India



Dr. Bernard Amadei,
Professor, Civil
Engineering,
University of
ColoradoBoulder,
Boulder, CO, USA



Dr. J. Deny, Professor,
Coordinator, Innovation &
Entrepreneurship
Development Cell, KARE,
Krishnankoil, TN, India

PARTICIPATIONS OF FACULTY MEMBERS IN CONFERENCES, SEMINARS, WORKSHOPS, SYMPOSIUMS AND FDPs

No.	Department	No. of participations
1	Aeronautical Engineering	26
2	Agricultural Science	104
3	Architecture	106
4	Automobile Engineering	60
5	Biomedical Engineering	47
6	Biotechnology	111
7	Business Administration	233
8	Catering Science and Hotel Management	19
9	Chemistry	55
10	Chemical Engineering	34
11	Civil Engineering	172
12	Commerce	60
13	Computer Applications	82
14	Computer Science and Engineering	464
15	Computer Science and Information Technology	28
16	Electrical and Electronics Engineering	167
17	Electronics and Communication Engineering	872
18	Electronics and Instrumentation Engineering	101
19	English	282
20	Food Technology	43
21	Information Technology	182
22	Mathematics	373
23	Mechanical Engineering	914
24	Physics	84
25	Social Work	19
26	Visual Communication	20
27	SHIP	06
28	Library	25

IPR TRAINING PROGRAMS PARTICIPATED BY FACULTY MEMBERS

Dr. S. B. Inayath Ahamed Successfully Completed Training on “Entrepreneurship Development Program” conducted as part of IIC Innovation Ambassador Training Series Organized by Institution’s Council of MHRD’s innovation Cell, AICTE held at Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu on 6th -7th January 2020.

Dr. J. Deny Successfully Completed Training on “Pre- Incubations & Incubation Management” conducted as part of IIC Innovation Ambassador Training Series Organized by Institution’s Council of MHRD’s innovation Cell, AICTE held at Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu on 6th -7th January 2020.

Mr. K. Vijayakumar Successfully Completed Training on “IPR & Technology Transfer” conducted as part of IIC Innovation Ambassador Training Series Organized by Institution’s Council of MHRD’s innovation Cell, AICTE held at ACS College of Engineering and Technology, Bangalore, Karnataka on 26th -27th February 2020.

Mr. D. Prem Raja Successfully Completed Training on “Design thinking & Innovations” conducted as part of IIC Innovation Ambassador Training Series Organized by Institution’s Council of MHRD’s innovation Cell, AICTE held at ACS College of Engineering and Technology, Bangalore, Karnataka on 26th -27th February 2020.

VIRTUAL INTERNATIONAL CONFERENCE

The Kalasalingam Academy of Research and Education (KARE) organized the Virtual International Conference on “Innovations in Interdisciplinary Research” (VICIDR-2020) during 23rd & 24th June, 2020 through online mode. The conference was inaugurated by our Vice- President Dr. S. Shasi Anand, Dr. R. Nagaraj, Vice- Chancellor of our

University welcomed the participants. Dr. J.T. Winowlin Jappes (Deputy Organizing Chair) detailed the proceedings and agenda of the sessions.

Eminent scientists from all over the world delivered the following lectures through online mode:

1. Dr. Filip Soute, Professor, Universidade Federal do Rio de Janeiro, Brazil, delivered the keynote address.
2. Dr. Shwetal Mehta, Faculty Member, Department of Neurobiology, Barrow Neurological Institute, USA, delivered a lecture on "Preclinical and Clinical Studies for Targeting Brain Tumors".
3. Dr. Nitin Muttli, Professor, Department of Civil Engineering, Victoria University, Melbourne, Australia, delivered a lecture on "Leak Management in a Water Distribution Network".
4. Dr. X. Felix Joseph, Faculty Member, Department of Electrical and Computer Engineering, Bule Hora University, Ethiopia, delivered a lecture on "A Novel Adaptive Morpho-Histo Wavelet Denoising (AMHW) method in Pre-processing for Dental X-ray images".
5. Dr. Asai Asaithambi, Professor, Department of Computer Science, University of North Florida, USA, delivered a lecture on "Research Connections with Computer Science".
6. Dr. Gustavo F. S. Andrade, Faculty Member, Department of Chemistry, Federal University of Juiz de Fora, Brazil, delivered a lecture on "Preparation and Enhanced Spectroscopic Properties of Plasmonic Nano structures".
7. Dr. Sezen Arslan, Faculty Member, Department of English Learning Teaching, Yuzuncu Yil University, Turkey, delivered a lecture on "Dialogic Teaching in Digital Platforms for ELT".
8. Dr. K.M. Ashifa, Faculty Member, Department of Social Work, Gelisim University, Turkey, delivered a lecture on "Interventions in Social Work Research".
9. Dr. K.R. Sundaravaradarajan, Professor, Department of Agricultural Economics, Annamalai University, India, delivered a lecture on "Interdisciplinary Research in Agricultural Sciences".
10. Ar. C.J. Kosalraman, Architect and Entrepreneur, Chennai, India delivered a lecture on "Architecture and Urban development".

600 Participants from all over the world attended the program and they were all benefitted by this International Conference.

3. STUDENT SUPPORT AND PROGRESSION

VALUE ADDED COURSES CONDUCTED

No.	Value added courses	Date	No. of students participated
1.	Foundation Mathematics for Physical Sciences	03/06/2019	6
2.	Computational Physics using MATLAB	10/06/2019	14
3.	SAP GLOBAL CERTIFICATION	24/06/2019	54
4.	TECHNICAL WRITING USING LATEX	27/06/2019	18
5.	INTRODUCTION TO SPSS	27/06/2019	9
6.	Basic Powerplant Components and Applications	01/07/2019	4
7.	Fuel Pump Diagnostic	01/07/2019	10
8.	Basic Training On Load Analysis for Mechanical Components	04/07/2019	62
9.	API for Windows Programming	07/07/2019	184
10.	Role of controller Engineer in Process industries	10/07/2019	4
11.	Soil Testing and Analysis	16/07/2019	5
12.	Food Preservation Methods	16/07/2019	24
13.	Biomedical Engineering modelling using AutoCAD	20/07/2019	71
14.	Power Electronics Application in Renewable Sources & Hybrid Systems	20/07/2019	10
15.	Introduction to Pyro technique System	21/07/2019	4
16.	Basic Engine Components and Applications	22/07/2019	6
17.	Communication and Writing Skill Development	24/07/2019	25
18.	Fundamentals of Embedded Linux Kernel	25/07/2019	105
19.	Building IoT Applications using Arduino	27/07/2019	6
20.	BMW Engine Dismantling	27/07/2019	9
21.	Speed Arithmetic	29/07/2019	10
22.	Interior Design and Decoration	01/08/2019	9
23.	Hotel Law	01/08/2019	8
24.	HACCP	01/08/2019	8
25.	"UiPath Robotics Process Automation"	02/08/2019	64
26.	Testing and Commissioning of Sub-Station Equipments	02/08/2019	11
27.	Electric Vehicle	03/08/2019	20
28.	Open-source programming	03/08/2019	50
29.	Linux and Shell programming	03/08/2019	20

No.	Value added courses	Date	No. of students participated
30.	Fumigation and Pest Management Practices for Food Commodities	03/08/2019	38
31.	Fundamentals of Meteorology and Earth Science	03/08/2019	15
32.	Overview of Tally ERP 9	05/08/2019	27
33.	Narrative Craft	05/08/2019	17
34.	Java Training Program (Company Specific Training)	05/08/2019	21
35.	Painting	05/08/2019	10
36.	Digital Ethics	07/08/2019	9
37.	Android Studio for Project Development	07/08/2019	27
38.	Emerging Techniques in Manufacturing Sectors	08/08/2019	58
39.	Equity Research for Trading Skills	12/08/2019	8
40.	Practical aspects of Auditing	12/08/2019	18
41.	Practical aspects of Auditing	12/08/2019	28
42.	Open PLC for Industrial Automation	13/08/2019	4
43.	CERTIFIED SIX SIGMA GREEN BELT	16/08/2019	39
44.	Medical application circuit design using Multisim	17/08/2019	43
45.	Computational Astrophysics	17/08/2019	118
46.	Testing of Electronic Equipment	17/08/2019	219
47.	OPTISIM Simulation	17/08/2019	96
48.	Design of User Interface using Android	17/08/2019	80
49.	Three-Dimensional Printing Technologies	19/08/2019	18
50.	Training in Plant Tissue Culture	19/08/2019	62
51.	E-Marketing	01/09/2019	12
52.	Digital Marketing	01/09/2019	18
53.	Financial Data Analytics using TALLY ERP.9	02/09/2019	15
54.	C Programming for Mechanical Engineers	06/09/2019	62
55.	PCB Design applications in Biomedical Engineering	07/09/2019	43
56.	R Studio	07/09/2019	22
57.	R Programming using R Studio	07/09/2019	10
58.	Pagemaker Tool	07/09/2019	50
59.	Arduino based IOT applications	07/09/2019	102
60.	Autonomous Vehicle in Future	07/09/2019	23
61.	Downstream Processing of enzymes	07/09/2019	33
62.	Techniques of quality management	09/09/2019	24
63.	Managing of Emotional Intelligence	09/09/2019	20

No.	Value added courses	Date	No. of students participated
64.	Managing of Emotional Intelligence	09/09/2019	20
65.	An overview of Mobile Technology	09/09/2019	30
66.	Contract Laws and Regulation	11/09/2019	14
67.	Taxation in India	16/09/2019	25
68.	Interview Techniques	16/09/2019	18
69.	Introduction of Programmable Logic Controller for Industries	16/09/2019	5
70.	An overveiw of Macro Economics	23/09/2019	20
71.	Training on Computer Animation	05/10/2019	20
72.	3D Computer Animation	05/10/2019	14
73.	Training on Career Enhancement	07/10/2019	20
74.	Literature and Digitalisation	07/10/2019	17
75.	Animation	07/10/2019	36
76.	Clay modelling	07/10/2019	19
77.	Remedial for Industrial Pollution	12/10/2019	22
78.	Soft Computing Techniques	12/10/2019	18
79.	Fundamentals of Semiconductor Devices	12/10/2019	14
80.	JAVA Programming	19/10/2019	66
81.	Nutritional significance and value addition of millets	19/10/2019	22
82.	Android Programming	19/10/2019	17
83.	Art From Anything	19/10/2019	19
84.	Advanced Concrete Design	04/11/2019	27
85.	Training Course on Basic Mechanical Engine Components	08/11/2019	62
86.	Advanced Computational Analysis	04/12/2019	35
87.	Mushroom cultivation and value addition	07/12/2019	23
88.	Phytochemistry and Biological Activities of Medicinal Plants	09/12/2019	52
89.	Vermicomposting	16/12/2019	28
90.	Medical Laboratory Techniques	16/12/2019	43
91.	Computer Aided Drug Design	16/12/2019	32
92.	Web Designing	16/12/2019	11
93.	Advanced Characterization Techniques	17/12/2019	7
94.	Training cum Mock Test based on Aptitude, Group Discussion, Personal Interview	18/12/2019	10
95.	Personality Development and Communicative Ethics	23/12/2019	20
96.	Introduction to SCILAB	23/12/2019	8
97.	Nuances of Literature	26/12/2019	10

No.	Value added courses	Date	No. of students participated
98.	Java Training Program (Company Specific Training)	26/12/2019	21
99.	Soft skills	26/12/2019	15
100.	Vedic Mathematics Tips and Tricks	27/12/2019	7
101.	Soft Skills & Professional Development Training	02/01/2020	18
102.	Tourism organizations	02/01/2020	8
103.	Soft Skills for Hospitality Profession	02/01/2020	9
104.	Fruits and Vegetable Carving	02/01/2020	8
105.	From Source to Target Language	02/01/2020	20
106.	Animation	02/01/2020	36
107.	Cartoon Drawing	02/01/2020	19
108.	Robotics and Automation	03/01/2020	62
109.	Advanced Concepts on Internet	04/01/2020	29
110.	Advanced Concepts on Internet	04/01/2020	14
111.	Downstream Processing of enzymes	04/01/2020	36
112.	Career Counselling and Placement Training	04/01/2020	15
113.	Digital Content Development	06/01/2020	19
114.	Testing of Various Electronic Components	11/01/2020	20
115.	3D printing in medicine	18/01/2020	71
116.	Wiring and Winding of Electrical Machines	18/01/2020	10
117.	Fundamentals of Power Plant Components and Applications	20/01/2020	4
118.	Value Addition in Pulses and Millets	20/01/2020	15
119.	Engine Dismantling	20/01/2020	5
120.	Visual Effects	20/01/2020	158
121.	Global Warming and Climate change	21/01/2020	45
122.	Basics of photography	22/01/2020	22
123.	Photonic System Design	25/01/2020	100
124.	Electronic circuit design using TINA	25/01/2020	50
125.	Research issues in Process Automation and Biomedical Instrumentation	27/01/2020	4
126.	Sensors and Actuators	31/01/2020	95
127.	Training on R programming	01/02/2020	16
128.	Learn R Programming	01/02/2020	4
129.	Modelling of Electrical Machines	01/02/2020	15
130.	Nutritional significance and value addition of millets	01/02/2020	32
131.	Android Programming	01/02/2020	18
132.	Anchoring and Video Jockey	01/02/2020	15

No.	Value added courses	Date	No. of students participated
133.	3D Animation on Computers	02/02/2020	40
134.	Programming in C	03/02/2020	16
135.	JAVA Training	03/02/2020	84
136.	Techniques of salesmanship	03/02/2020	25
137.	Techniques of costing in Manufacturing sector	03/02/2020	16
138.	Key Aspects of soft skills	03/02/2020	22
139.	Desk Top Publishing	03/02/2020	22
140.	Ruby on Rails	05/02/2020	100
141.	Solid Propulsion - Combustion Fundamentals	06/02/2020	4
142.	Alternative Fuels	06/02/2020	9
143.	Training Program on Python Programming and Simulation	06/02/2020	28
144.	Video Editing using Adobe After Effects	08/02/2020	12
145.	Digital Literacy	08/02/2020	38
146.	APTITUDE TRAINING	08/02/2020	18
147.	Woman Entrepreneurial skills	10/02/2020	32
148.	campus to corporate	10/02/2020	19
149.	Artificial Network and its applications using MATLAB	10/02/2020	3
150.	Advanced Computational Analysis - I	11/02/2020	14
151.	Mineral Processing	12/02/2020	18
152.	Water Quality Management	13/02/2020	24
153.	Fire and Safety	13/02/2020	5
154.	Chemical Waste Management	13/02/2020	21
155.	Application of Optimization Techniques in Power System	15/02/2020	10
156.	Nutritional significance and value addition of millets	15/02/2020	35
157.	Reconfigurable Design with HDL	22/02/2020	68
158.	Arduino based IOT applications for Aerospace Applications	28/02/2020	6
159.	Biodiesel Production	28/02/2020	4
160.	GMP in sea food industry	29/02/2020	32
161.	Responsive web Designing	02/03/2020	23
162.	Full Stack Development for Industry Requirement	02/03/2020	10
163.	Training Program on Manufacturing Technology	05/03/2020	58
164.	Professional Model Making for Architects	07/03/2020	87
165.	Application of Ultrasound Equipment	07/03/2020	43
166.	Analytical Skill Development	07/03/2020	14

No.	Value added courses	Date	No. of students participated
167.	Analytical Skill Development	07/03/2020	3
168.	Desktop GUI Applications with JAVA	07/03/2020	90
169.	Training Program on Engine Mechanism and Applications	07/03/2020	80
170.	An overview of Indirect tax	09/03/2020	21
171.	Professional Rendering for Architects	12/03/2020	87
172.	Design of Tall Buildings	12/03/2020	22
173.	Full Stack Development	19/03/2020	128
174.	Bio signal statistical analysis using R language	04/04/2020	66
175.	Advanced Steel Structures	06/04/2020	32
176.	Aptitude Training	25/04/2020	43
177.	Spirulina Cultivation and Production	08/06/2020	34
178.	Mushroom Cultivation	08/06/2020	20
179.	MATLAB for Biotechnologists	08/06/2020	42
180.	Circuit simulation using Pspice	15/12/2020	43
181.	WEB DESIGN AND DEVELOPMENT	23/12/2020	9
182.	Data Analysis and Interpretation for Business Modeling using MS Excel	23/12/2020	10
183.	Data Analytics and Data Visualization Using Advanced MS EXCEL	23/12/2020	39

ONLINE COURSES CLEARED, INTERNATIONAL CERTIFICATIONS OBTAINED BY STUDENTS

No.	Name of the Schools	No. of Online courses Cleared (NPTEL, CourseEraetc)
1.	School of Architecture	66
2.	School of Agricultural and Processing Sciences	28
3.	School of Environmental and Construction Technology	27
4.	School of Automotive and Mechanical Engineering	274
5.	School of Electronics and Electrical Technology	148
6.	School of Computing	433
7.	School of Bio and Chemical Engineering	61
8.	School of Advanced Sciences	15
9.	Kalasalingam Business School	86

SPORTS AWARDS

No.	Name of the Student	Event Name	Date(s)	Venue	Award
1.	Ms. T. Jaissha - 9919022047	2 nd Laser Run National Championship 2019	17.07.2019 - 22.07.2019	Shree Shiveharapati Sports Complex, Mahalune, Balewadi, Pune	Silver Medal
2.	Mr. T. Tamil Selvan - 9919016023	29 th Salem District Taekwondo Championship – 2019	07.07.2019	Mahathma Gandhi Indoor Stadium, Salem	Gold Medal
3.	Mr. D. Karthikeyan - 9919016020	All India Inter State Championship 2019-2020	19.07.2019 - 21.07.2019	Jammu University, Jammu & Kashmir	Gold Medal

No.	Name of the Student	Event Name	Date(s)	Venue	Award
4.	Mr. K. Nithish Karthikeyan - 9919026018	3 rd State level Swimming Competition	11.08.2019	Vriksha Global School, Tiruchengode	Silver Medal
5.	Ms. M. KardhigaiSelvi - 9919015036	Virudhunagar District Taekwondo Championship 2019	22.09.2019	Sri Ayyan Kendra Vidyalaya, International School, Rajapalayam	Gold Medal
6.	Ms. M. Rajeswari - 9918016029	Virudhunagar District Taekwondo Championship 2019	22.09.2019	Sri Ayyan Kendra Vidyalaya, International School, Rajapalayam	Gold Medal
7.	Mr. K. Mani Raj - 9919016022	Virudhunagar District Taekwondo Championship 2019	22.09.2019	Sri Ayyan Kendra Vidyalaya International School, Rajapalayam	Gold Medal
8.	Mr. M. Muneeswaran - 9919021020	Virudhunagar District Taekwondo Championship 2019	22.09.2019	Sri Ayyan Kendra Vidyalaya International School, Rajapalayam	Gold Medal
9.	Mr. A.R. Prethivirajan - 9916003057	Virudhunagar District Taekwondo Championship 2019	22.09.2019	Sri Ayyan Kendra Vidyalaya International School, Rajapalayam	Gold Medal
10.	Mr. S. Rajamanikam - 9919016023	Virudhunagar District Taekwondo Championship 2019	22.09.2019	Sri Ayyan Kendra Vidyalaya International School, Rajapalayam	Bronze Medal
11.	Mr. T. Tamil Selvan - 9919016023	Virudhunagar District Taekwondo Championship 2019	22.09.2019	Sri Ayyan Kendra Vidyalaya International School, Rajapalayam	Silver Medal
12.	Sri. D. Karthikeyan (9919016020)	12 th Tamil Nadu State Archery Championships (Junior Recurve Outdoor)	04.10.2019 - 06.04.2019	MGR Janaki Women's College, Chennai	Silver Medal
13.	Sri. D. Karthikeyan (9919016020)	12 th Tamil Nadu State Archery Championships (Recurve Outdoor - Senior)	04.10.2019 - 06.04.2019	MGR Janaki Women's College, Chennai	Bronze Medal
14.	Sri. S. Abinash (9918022050)	Dr. APJ Abdul Kalam Memorial Swimming Competition (100 m - Back Stroke)	02.10.2019	Thanjai Swimmer's Aquatic Association, Thanjavur	Gold Medal
15.	Sri. S. Abinash (9918022050)	Dr. APJ Abdul Kalam Memorial Swimming Competition (200 m - Individual Medley)	02.10.2019	Thanjai Swimmer's Aquatic Association, Thanjavur	Gold Medal
16.	Sri. S. Abinash (9918022050)	Dr. APJ Abdul Kalam Memorial Swimming Competition (100 m - Free Style)	02.10.2019	Thanjai Swimmer's Aquatic Association, Thanjavur	Silver Medal
17.	Mr. K. Nithish Karthikeyan (9919026018)	Dr. APJ Abdul Kalam Memorial Swimming Competition (50 m - Free Style)	02.10.2019	Thanjai Swimmer's Aquatic Association, Thanjavur	Gold Medal
18.	Sri. K. Nithish Karthikeyan (9919026018)	Dr. APJ Abdul Kalam Memorial Swimming Competition (50 m - Breaststroke)	02.10.2019	Thanjai Swimmer's Aquatic Association, Thanjavur	Silver Medal
19.	KARE Swimmers	22 nd State Level Swimming Competition	04.01.2020	Virudhunagar Hindu Nadars' Senthil kumar Nadar College, Virudhunagar	10 Gold Medals, 4 Silver Medals and 3 Bronze Medals

No.	Name of the Student	Event Name	Date(s)	Venue	Award
20.	KARE Swimmers	Chief Minister's Trophy	16.02.2020	SDAT Stadium, Virudhunagar	8 Gold medals, 1 Silver medal & Rs.8750 Cash Prize
21.	Ms. M. Umamaheswari-9919018077	Chief Minister Trophy - Boxing	15.02.2020 - 16.02.2020	SDAT Stadium, Virudhunagar	District Level - First Prize
22.	KARE Volleyball Team	Chief Minister Trophy - Volleyball	15.02.2020 - 16.02.2020	SDAT Stadium, Virudhunagar	District Level-Second Prize
23.	Ms. M. Rajeswari - 99180160229	Taekwondo Championship U-62 (senior) category	14.02.2020 - 16.02.2020	Ambari Vidya Madir, Arakkonam	National Level Representation
24.	Ms. K. Archana - 9917016004	54-57 Category for the CM trophy	15.02.2020 - 16.02.2020	SDAT Stadium, Virudhunagar	District Level - First Prize
25.	Ms. K. Maniraj - 9919016021	Taekwondo Championship U-59 (Junior) category	14.02.2020 - 16.02.2020	Ambari Vidya Madir, Arakkonam	National Level Representation
26.	Ms. A. Madhumitha - 9918016029	Chief Minister Trophy - 200 meters	15.02.2020 - 16.02.2020	SDAT Stadium, Virudhunagar	District Level - First Prize
27.	Ms. Aishwarya Kannan - 9918014001	Match Fixing	28.02.2020 - 01.03.2020	Archcult20, NIT, Trichy.	District Level - First Prize
28.	Ms. R. Divya Saroja - 9918014005	Match Fixing	28.02.2020 - 01.03.2020	Archcult20, NIT, Trichy.	District Level - Second Prize
29.	Mr. Hari Baskar - 9918014006	Match Fixing	28.02.2020 - 01.03.2020	Archcult20, NIT, Trichy.	District Level - First Prize
30.	Ms. Pasam Sai Srujana-9918014017	Match Fixing	28.02.2020 - 01.03.2020	Archcult20, NIT, Trichy.	District Level - First Prize



Inter-university swimming competitions were organized by Sports Development Authority of Tamil Nadu at KARE on 18th & 19th October 2019. 150 students participated from 14 universities. Anna University won the overall championship in men category and Manonmaniam Sundaranar University won the overall championship in women category. KARE students won 8 medals.

NATIONAL SERVICE SCHEME & UBA

Name of the Activity	Date(s)
Yoga Program	18.07.2019 and 26.07.2019
First Year Orientation Program	19.07.2019
Tree Plantation	20.07.2019, 23.07.2019, 01.08.2019, 02.08.2019, 03.08.2019, and 27.08.2019
New NSS Volunteer registration program	25.07.2019
Aadi Amavasai Festival (Plastic Awareness and Crowd Control Service)	30.07.2019 and 31.07.2019
Crowd Control Service at Sri Andal Temple Chariot Festival, Srivilliputtur	04.08.2019
Workplace Cleaning	06.08.2019
Making Vermi-Compost and Azolla Seed	07.08.2019

Name of the Activity	Date(s)
One Student One Tree AICTE Program	10.08.2019,14.08.2019 and 15.08.2019
Temple Cleaning	17.08.2019
Blood Donation Camp	18.08.2019
NSS Day Meeting	19.08.2019
Fit India Program	29.08.2019
Meditation and Its Biological Importance	06.09.2019
World First Aid Day	14.09.2019
Survey Swachhta Hi Seva	15.09.2019
50 th NSS Day Celebration	22.09.2019 and 23.09.2019
Swachhta Hi Seva Rally	28.09.2019
150 th Birth Anniversary of Mahatma Gandhi	02.10.2019
Birth Anniversary of Dr. A.P.J Abdul Kalam	15.10.2019
Blood Donation Camp	18.10.2019
Vigilance Awareness Week-2019	30.10.2019
Swachhta Action Plan Survey	01.11.2019
ODF Field Visit – MHRD	02.11.2019
Tree Plantation	03.11.2019
ODF Field Visit – MHRD	04.11.2019
ODF Meeting	04.11.2019
YuvaEk Bharath Shrestha Bharath- 2019	19.11.2019
Three days Yoga program	18.11.2019 to 20.11.2019
70 th Constitution Day	26.11.2019
7 Days Special Camp	29.11.2019 to 05.12.2019
Orientation Training Program	04.12.2019 to 10.12.2019
Unnat Bharat Abhiyan Survey	09.12.2019
Unnat Bharat Abhiyan Survey	12.12.2019
Unnat Bharat Abhiyan Survey	13.12.2019
Sports Kit Donation	16.12.2019
Rural Development Program	18.12.2019
NSS Program Coordinator Meeting	08.01.2020
Unnat Bharat Abhiyan Survey	11.01.2020
State Republic Day Parade Camp	16.01.2020 to 18.01.2020
Fit India Cyclothon 2020	18.01.2020
Swachhta Pakhwada Program	20.01.2020
Road Safety Awareness Program	25.01.2020
Unnat Bharat Abhiyan Survey	25.01.2020
GramaSabha Meeting	26.01.2020
Tree Plantation	27.01.2020
Blood donation – Emergency Based	27.01.2020
AIDS Awareness Program	01.02.2020
Blood Donation camp	01.02.2020
Vadukapatti Village Visit for survey	01.02.2020
Blood Donation Camp	08.02.2020
Stand for the Nation	14.02.2020
Energy Audit in Primary Health Centre	22.02.2020
Fit India Program	24.02.2020
Blood Donation – Emergency Based	24.02.2020
Yoga Program	26.02.2020
Youth Leadership & Community Development Program	26.02.2020
Food & Mask Donation – Andrapradesh, Puttaparti	08.04.2020
Food & Mask Donation – Madurai	18.04.2020

Name of the Activity	Date(s)
Food & Mask Donation – Aruppukottai	19.04.2020
Awareness on Covid – 19 - Poster Presentation	07.05.2020
Anti-Covid – 19 Video Contest	10.05.2020
Food & Mask Donation for Sanitary Workers	11.05.2020
Faculty Development Program	14.05.2020
Food & Mask Donation – Madurai	18.05.2020
Kabasurakudineer Distribution – Paramagudi	19.05.2020
Grocery and Sanitation – Vadaputhupatti	24.05.2020
Kabasurakudineer Distribution – Kovilpatti	25.05.2020
Helping hands to Amma Unavagam – Sivagangai	25.05.2020
Covid – 19 online World Environment Day Celebration	05.06.2020
Covid – 19 online Art Contest	06.06.2020
Covid – 19 online Orientation Program	06.06.2020
International Yoga Day	21.06.2020



Cleaning work at Pillaiyarnatham on 29.11.2019 during 7-day special camp

ACTIVITIES OF NCC

50 NCC cadets under the leadership of Prof. Pothinathan, NCC incharge organized a rally between Thambipatti and Maharajapuram villages on 2nd October 2019 on the eve of Gandhi Jayanthi. Cadets explained the concept of cleanliness and its good impacts on health. Cadets interacted with the people and took the pledge at the both the villages.





71st NCC day was celebrated by 4 TN Engr NCC Coy, Madurai on 23rd November 2019 at Thiagaraja Engineering College, Madurai. Twenty cadets and faculty member attended the programme. The cadets were addressed by Col. Ayyupand Plastic Man of India, Padma Shri, Dr. Rajagopalan Vasudevan. On the same day, the cadets visited to the Lakshmi Bhavan orphanage in Madurai and distributed the gifts to the orphan children.

A 'Swachh Bharath' awareness rally was organized by 4 TN Engr NCC Coy, Madurai on 08.12.2019 from Regional Transport Office, Bypass Road to Ellis Nagar in Madurai.

During the peak of COVID-19 pandemic, NSS volunteers realized the situation and they decided to donate masks, rice bags to the needy and poor people and they donated grocery and sanitation materials to unemployed people. Creating awareness plays a major role in public. Biomedical NSS program officer designed a poster and created awareness on COVID-19 regarding the healthy tips to be followed. And they conducted the video contest.



Our NSS Volunteers M. Ajay Kumar, B. Sai Riswanth, G. Dinesh Kumar, Lekkala Satish donated mask and rice to poor people on 08.04.2020 at Andhra Pradesh, Anantapur (DT), Puttaparthi (Mandal & Village).



Our NSS Volunteer Mr. Aathmarisi (III Year, Biotechnology) distributed rice, dal, grocery items and face mask to physically challenged persons on 18.05.2020.



Our NSS Volunteer Ms. M. Selvakeertha (IV Year, Biotechnology) distributed kabasurakudineer to Paramakudi village people on 19.05.2020.

AWARENESS ON COVID – 19 - POSTER PRESENTATION

Mr. S. Sakthivel NSS Program Officer organized awareness on COVID-19 through poster presentation on 07.05.2020.



ANTI - COVID – 19 VIDEO CONTEST

Dr. B. Perumal NSS Coordinator and Mr. S. Kardeeswaran NSS Program Officer organized online Anti-Covid – 19 Video Contest on 10.05.2020.



AWARDS IN FINE ARTS

No.	Name of the Student	Event Name	Date	Venue	Award
1	Sri. S. Karthick (9916020027)	Theeramai Tedal 2019 (Solo Dance)	20.10.19	Arts and Cultural Academy – Magizhchi, Srivilliputhur	1 st Prize
2	Sri. S. Jerald (9917018036)	Theeramai Tedal 2019 (Orchestra Team Event)	20.10.19	Arts and Cultural Academy – Magizhchi, Srivilliputhur	1 st Prize
3	Sow. S. Rajalskmi (9917020036)				
4	Sow. S. Nivedhitha (9917001047)				
5	Sow. V. Rajalakshmi (9917020037)				
6	Sri. M. Karthik (9918020010)				
7	Sri. P. Surya (9919001053)	Theeramai Tedal 2019 (Mime Team Event)	20.10.19	Arts and Cultural Academy – Magizhchi, Srivilliputhur	1 st Prize
8	Sri. A. Aathmarishi (9917001012)	SPIC Cultural Fest	08.12.19	SPIC Nagar Multi Activity	3 rd Prize
9	Sri. L. Sugunthan (9917011051)				
10	Sri. S. Amarshanth (9918008004)				

No.	Name of the Student	Event Name	Date	Venue	Award
11	Sri. M. Dhayal (9918001014)	2k19, (Folk Dance Team Event)		Club, Tuticorin	
12	Sri. P. Saran (9917020062)				
13	Sri. P. Dhanavishal (9917027004)				
14	Sow. S. Harshi (9916001157)				
15	Sri. S. Sriram (9918020030)				
16	Sri. E. Vijayalakshmi (9917004178)				
17	Sri. V. Pappyanto (9919008071)				
18	Sri. S. Amarshanth (9918008004)	SPIC Cultural Fest 2k19, (Fusion Dance Team Event)	08.12.19	SPIC Nagar Multi Activity Club, Tuticorin	3 rd Prize
19	Sri. M. Dhayal (9918001014)				
20	Sri. P. Saran (9917020062)				
21	Sri. P. Dhanavishal (9917027004)				
22	Sow. S. Harshi (9916001157)				
23	Sri. S. Sriram (9918020030)				
24	Sri. E. Vijayalakshmi (9917004178)				
25	Sri. V. Pappyanto (9919008071)				

NATIONAL LEVEL CULTURAL FEST (SPARKZ 2020)

SPARKZ 2020 was a grand occasion of Kalasalingam Academy of Research and Education and one of the South Tamilnadu's grand cultural fest conducted on 13.03.2020. Mr. Siddharth (Actor), Ms. Sherin Shringar (Actress), Ms. Swetha Rosy, Black Sheep Team, Disc Jockey Mr. Sivaji, Mr. Karthick Devaraj, Super Singer 6 Team- Alchemy were the chief guests. The Band arrived and made the event a remarkable one. 25 colleges from all over India participated in the National Level Cultural Fest. Thiagarajar College of Engineering, Madurai, received the overall shield.



Guest Shri. Siddharth, Actor



Chancellor Dr. K. Sridharan and Vice-President Dr. Shashi Anand distributing the awards to the Winners

CULTURAL PROGRAMS ORGANIZED BY THE DEPARTMENTS

No.	Date of Event/Competition	Department/Club	Name of the Event/Competition
1.	04.01.2020	Mechanical Engineering	Adhvagana 20- Culture Fest
2.	05.01.2020	Biotechnology	Formulation and Evaluation of Toothpaste Using Prosopisjuliflora
3.	10.01.2020	Computer Applications	Pongal Celebration
4.	10.01.2020	Computer Science and Engineering	Rangoli Competition - Pongal Festival
5.	23.01.2020	Biomedical Engineering	Music Fest
6.	25.01.2020	Tamil mandram	Mahatma
7.	31.01.2020	Instrumentation and Control Engineering	Cricket Competition
8.	01.02.2020	Biomedical Engineering	Connections
9.	08.02.2020	Commerce	Talentina 2K19
10.	08.02.2020	Computer Science and Engineering	Poster Presentation on Clean Green Campus
11.	09.02.2020	Biotechnology	Cost Effective Bio fertilizers

No.	Date of Event/Competition	Department/Club	Name of the Event/Competition
12.	10.02.2020	Electronics and Communication Engineering	ENIAC 2k20
13.	15.02.2020	Tamilmandram	Ezhuchi
14.	20.02.2020	English	Lit-Wiz -Inter College Meet
15.	22.02.2020	Mathematics	Science Day Celebration
16.	22.02.2020	Information Technology	INFOSPARKZ 2020
17.	25.02.2020	Computer Science and Engineering	IDEATHON on E-Vehicles
18.	28.02.2020	Commerce	Zygon
19.	29.02.2020	Mathematics	Math Fest
20.	29.02.2020	Computer Science and Information Technology	Technophilia'20
21.	29.02.2020	Information Technology	INFOFEST 2020
22.	02.03.2020	Chemical Engineering	Vedha 2K19
23.	04.03.2020	Computer Science and Engineering	Mime Competitions
24.	06.03.2020	Computer Science and Engineering	Drawing Competition
25.	06.03.2020 & 07.03.2020	Computer Applications	Softnival 2020
26.	07.03.2020	Physics	PHYSICKA 20
27.	07.03.2020	Social Work	Mantra 2020
28.	09.03.2020	Catering Science and Hotel Management	Punjabi Dhaba - Food Festival
29.	10.03.2020	Information Technology	Poems and Drawings Competition 2020
30.	24.03.2020 & 01.04.2020	Youth Red Cross	Yureon 2020

BLOOD DONATION CAMP

Vice-President Dr. S. Shasi Anand inaugurated the blood donation camp on the campus which was conducted in collaboration with Sri P.A.C. Ramasamy Raja Rotary Blood Bank, Rajapalayam on 01.02.2020. 110 NSS Volunteers donated their blood. 32 NSS Volunteer (12 Girls and 20 Boys) and 3 NSS POs also participated in the program.



Blood Donation Camp Inaugurated by our Vice-President Dr. S. Shasi Anand

STUDENT ACHIEVEMENTS

On 9th January 2020, Mr. Gorantla Sasi Kumar (9917004036) of III-year CSE teamed with students of other institution presented a model on the topic Sustainable Development in the competition organized by IUCEE at Hyderabad and won first prize in the event.

Our Students Mr. S. Aakash (9915014001), Mr. L. v. Sree (9915014022), and Ms. M. Shanmuga Priya (9915014041) from Architecture Department, Ms. S. Oviya (9916001082) and Ms. M. Shalini (9916001114) of final year Biotechnology and Mr. Vivek Kumar Singh (9916003097) from Civil department have cleared GATE examination conducted in February 2020.

IBM HACKATHON CHALLENGE 2020

The following students have won the IBM Hackathon challenge 2020 organized by IBM on 09.05.2020

No.	Register Number	Student Name
1.	9919004264	Somepalli Kusumanjali
2.	9919004235	Ravilla Divya
3.	9919004245	Sanisetty Deemanth Kumar
4.	9919004347	Gurijala Prathyusha
5.	9919004062	Devineni Vijay Bhaskar
6.	9919004173	Mederametla Tarun Teja
7.	9919004176	Mohith Kumar Bezawada
8.	9919004309	Yendluri Raja
9.	9919004038	Venkata Harish Kumar
10.	9919004078	Leelavathy
11.	9919004015	Devika Reddy
12.	9919004187	Thanusha Achutha
13.	9919004158	Lavanya M
14.	9919004364	Harika M
15.	9919004304	Sreesha Y

SERVICE TO SOCIETY DURING COVID-19

KARE actively participated and supported the society during COVID – 19. KARE provided space for quarantine for which the district collector distributed the Appreciation Certificate.



MANUFACTURING TECHNOLOGICAL SOLUTION



KARE Research Faculty Mr. P. Jayakumar designed Foot Operable Sanitizer Holder and presented to Madurai District Collector Dr. T. G. Vinay on behalf of Kalasalingam Academy of Research and Education. The District Collector appreciated the faculty for his effort on 20.04.2020.



Demo of the Foot Operable Sanitizer Holder to Thirumangalam Tahsildhar Mrs. Dhanalakshmi by our faculty Mr. P. Jayakumar.

LABORATORY BASED MEDICAL SOLUTION

Department of Biotechnology is researching to produce a vaccine for the COVID – 19 Virus. Works are going the following aspects.

1. Preventing the entry of virus into host cell.
2. Effect of natural products used in Indian Traditional Medicine.
3. Effects of *Yoga* and *Pranayama*.
4. Use Artificial Intelligence in COVID-19 diagnosis.

The students of department of Biotechnology, social work, and the volunteers of NSS and UBA supported the vulnerable residents of local community by providing face mask, hand sanitizer and food pockets. The institution also supported 200 police personnel of Srivilliputtur.

During the lock down period the institution was closed, and all the classes were handled through online platform and the examinations were also conducted through online mode by following the government policy “Work from Home”.

4. RESEARCH

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

No.	Name of the Training Programme/Guest Lecture/Seminar/Workshop/Symposium	Organizing Department	No. of Attendees	Date
1.	Recent Trends and Technology in IT Industry	Information Technology	200	03.01.2020
2.	Workshop on “Python Programming”	Computer Science and Engineering	30	09.01.2020 – 10.01.2020
3.	Electrical System	Architecture	28	27.01.2020
4.	Guest lecture on “Testing & Commissioning of Substation Equipments”	Electrical and Electronics Engineering	50	01.02.2020
5.	Practical Aspects of Process Costing	Commerce	128	01.02.2020
6.	National Seminar on Emerging IT Technologies	Computer Science and Engineering	44	01.02.2020
7.	Hybrid Mobile Application Development using Ionic Framework	Computer Science and Engineering	49	01.02.2020
8.	One Day Workshop on First Aider	Mechanical Engineering	100	01.02.2020
9.	IEEE Workshop on Image Processing using Neural Networks	Electronics and Communication Engineering	65	01.02.2020
10.	Guest lecture on “Recent trends & Job opportunities in Embedded Systems”	Electrical and Electronics Engineering	35	07.02.2020
11.	International certification in Autodesk Fusion 360	Mechanical Engineering	50	26.02.2020
12.	Zygon 2k20 National Level Symposium	Commerce	315	28.02.2020
13.	Workshop on “Development of Solar PV System”	Electrical and Electronics Engineering	45	29.02.2020
14.	Dossier on Open-Source Digital Forensics	Computer Science and Engineering	119	29.02.2020
15.	Digital Dreamz 2020	Computer Science and Engineering	800	06.03.2020
16.	Method to Identify the Peer Journal	Computer Science and Engineering	99	20.04.2020
17.	Reference Management and Graph Plotting	Computer Science and Engineering	95	20.04.2020
18.	Report and Letter Writing in Latex Using Online Editors	Computer Science and Engineering	95	20.04.2020
19.	Equation Typesetting, Tables and Figures in Latex	Computer Science and Engineering	107	21.04.2020
20.	Research Paper Writing	Computer Science and Engineering	99	22.04.2020
21.	Changing the Field of Research-Difficulties and Opportunities	Computer Science and Engineering	90	23.04.2020
22.	Research Paper Writing	Computer Science and Engineering	97	23.04.2020
23.	Research Proposals- Not Just About Your Research	Computer Science and Engineering	105	24.04.2020
24.	Research Methodology	Computer Science and Engineering	99	24.04.2020
25.	Synthesis of Bio-Inspired Materials from Jumbo Quid and Mantis Shrimp	Computer Science and Engineering	99	25.04.2020

No.	Name of the Training Programme/Guest Lecture/Seminar/Workshop/Symposium	Organizing Department	No. of Attendees	Date
26.	Artificial Intelligence	Computer Science and Engineering	97	27.04.2020
27.	Artificial Intelligence	Computer Applications	99	27.04.2020
28.	Thermogravimetric Analysis and Its Applications	Automobile Engineering	35	27.04.2020
29.	Organic Solar System and Solar PV System	Computer Science and Engineering	93	27.04.2020
30.	Organic Solar System and Solar PV System	Computer Science and Engineering	97	27.04.2020
31.	Research Trends	Computer Science and Engineering	93	27.04.2020
32.	Entrepreneurship and Innovation	Computer Science and Engineering	56	27.04.2020
33.	Industrial Lecture on Power Plant Engineering	Mechanical Engineering	41	27.04.2020
34.	Industrial Lecture on Automotive Chassis and Vehicle Body Design	Mechanical Engineering	59	28.04.2020
35.	Industrial Lecture on Role of Work study in Industrial Management	Mechanical Engineering	59	28.04.2020
36.	Ground Reality of Research Issues and Concerns for Research Scholars	Computer Science and Engineering	90	28.04.2020
37.	Art of Publishing and Its Ethics	Computer Science and Engineering	95	28.04.2020
38.	Using Reference Managers to Organize Research	Computer Science and Engineering	97	28.04.2020
39.	Webinar on Art of Publishing and Its Ethics	Mechanical Engineering	56	28.04.2020
40.	Organized One day Workshop on Automotive Chassis and Vehicle Body Engineering	Mechanical Engineering	66	28.04.2020
41.	Organized One day on Role of Work study in Industrial Management	Mechanical Engineering	58	28.04.2020
42.	Industrial Lecture on Production Part Approval Process	Mechanical Engineering	45	29.04.2020
43.	Online Webinar series for Teaching - learning and Research	Mechanical Engineering	40	29.4.2020
44.	Recent Trends in Computing	Computer Science and Engineering	60	29.04.2020
45.	Steps in Research Process	Computer Science and Engineering	95	29.04.2020
46.	Industrial Lecture on Production Part Approval Process (PAPP)	Mechanical Engineering	46	29.04.2020
47.	Industrial Lecture on Work study- Entrepreneurship and Ergonomics	Mechanical Engineering	44	29.04.2020
48.	Industrial Lecture on New developed materials in automobile industry	Mechanical Engineering	53	29.04.2020
49.	Industrial Lecture on Design of Jigs, Fixtures and Press Tools	Mechanical Engineering	26	29.04.2020
50.	Industrial Lecture on Layout Design	Mechanical Engineering	45	30.04.2020
51.	Industrial Lecture on Piping in Power Plant Engineering	Mechanical Engineering	112	30.04.2020
52.	Industrial Lecture on Industrial Engineering and its Application	Mechanical Engineering	24	30.04.2020

No.	Name of the Training Programme/Guest Lecture/Seminar/Workshop/Symposium	Organizing Department	No. of Attendees	Date
53.	Industrial Lecture on Fluid Mechanics and Ship motion	Mechanical Engineering	68	30.04.2020
54.	Research Indicators and Predatory Journals	Chemistry	94	30.04.2020
55.	Research Indicators and Predatory Journals	Computer Science and Engineering	98	30.04.2020
56.	Webinar on Piping design in Thermal power plant	Mechanical Engineering	59	30.4.2020
57.	Industrial Lecture on Supercritical Boiler Technology - An Overview	Mechanical Engineering	87	01.05.2020
58.	Industrial Lecture on Piping Stresses	Mechanical Engineering	45	01.05.2020
59.	Workshop on Quality – An Industrial Aspect	Mechanical Engineering	66	01.05.2020
60.	Pursuing Your Research Beyond Doctorate Degree: Employability & Global Impact	Computer Science and Engineering	95	01.05.2020
61.	Webinar on Natural Fibre Composites and Bio-based Filaments for 3D Printers	Mechanical Engineering	72	02.05.2020
62.	Guest Lecture on "Fundamentals of Research"	Computer Applications	28	02.05.2020
63.	Approach the Agencies for Getting the Scholarship	Computer Science and Engineering	70	02.05.2020
64.	Live Webinar "Youngsters 2020"	Computer Applications	32	02.05.2020
65.	Application of Temperature Sensor in Industry and Automation	Automobile Engineering	23	02.05.2020
66.	Industrial Lecture on "Engine Systems"	Automobile Engineering	15	03.05.2020
67.	Workshop on Go Kart Analysis and Presentation	Mechanical Engineering	36	03.05.2020
68.	Recent Research Opportunities in AI and ML	Computer Science and Engineering	89	05.05.2020
69.	Webinar on Studies in Abroad by Alumni	Mechanical Engineering	42	05.5.2020
70.	Webinar on Gate Automation System in Middle East -By our Alumni	Mechanical Engineering	55	06.05.2020
71.	MATLAB for "online teaching and assessment" by Math Works	Electrical and Electronics Engineering	55	06.05.2020
72.	Webinar on Corona virus: A nature's message to us	Mechanical Engineering	63	08.05.2020
73.	Research Ethics and Practices Around the World	Computer Science and Engineering	75	08.05.2020
74.	One Day Online Webinar on Career Opportunities and Scope of Industrial Safety Engineering	Mechanical Engineering	28	10.05.2020
75.	Online Webinar series for Online Pedagogy Tools for Effective Learning Process.	Mechanical Engineering	67	11.05.2020
76.	GST Practitioner Workshop	Business Administration	120	11.05.2020
77.	Webinar on Managing your Finances and Investments in Covid Times	Business Administration	320	13.05.2020
78.	Digital Marketing Workshop	Business Administration	100	15.05.2020
79.	Webinar on Insurance for Business Enterprises	Commerce	125	15.05.2020

No.	Name of the Training Programme/Guest Lecture/Seminar/Workshop/Symposium	Organizing Department	No. of Attendees	Date
80.	Webinar on An Eagle Eye View on Organizational Change - Before and After COVID-19	Social Work	130	15.05.2020
81.	Webinar on "E-Waste Management"	Electrical and Electronics Engineering	96	15.05.2020
82.	Webinar on "Digital Pedagogy & Virtual Lab"	Electronics Communication Engineering	21	15.05.2020
83.	Need for Autonomous Electrical Vehicles in Future	Electronics Communication Engineering	43	16.05.2020
84.	On-line guest lecture on "Need for Autonomous Vehicle in Future"	Electrical and Electronics Engineering	45	16.05.2020
85.	IE Chapter Workshop on "Fire and Electrical Safety"	Electrical and Electronics Engineering	46	17.05.2020
86.	Fire and Electrical Safety	Electrical Electronics Engineering	43	17.05.2020
87.	Guest Lecture on Impact of Goods & Services	Commerce	130	17.05.2020
88.	Webinar on Career Opportunities for Actuaries	Business Administration	120	18.05.2020
89.	Solar Energy and Its Application	Physics	112	20.05.2020
90.	Network in AWS	Computer Science and Engineering	94	21.05.2020
91.	Characteristics of an Excellent Faculty in The Present Context	Chemistry	130	22.05.2020
92.	Next Gen Classroom Teaching Leveraging PBL	Computer Science and Engineering	73	23.05.2020
93.	Service Management	Computer Science and Engineering	69	23.05.2020
94.	Webinar on Piping and Instrumentation in Thermal Power Plants	Mechanical Engineering	59	23.05.2020
95.	Bussiness Application Transformation	Computer Science and Engineering	66	24.05.2020
96.	Industry Examples-Application of ML in Real Problem	Computer Science and Engineering	44	25.05.2020
97.	Two Days Workshop on Design and Analysis of Automotive parts and Structured Approach	Mechanical Engineering	75	25.05.2020
98.	Webinar on Basics of Diesel Power Plant	Mechanical Engineering	60	25.05.2020
99.	Organized Two Days Workshop on Design and Analysis of Automotive parts and Structured Approach	Mechanical Engineering	42	25.05.2020
100.	Webinar on Project Proposal Writing/KARE	Mechanical Engineering	45	26.05.2020
101.	National Level One Week Quiz Series for Higher Secondary Students In Various Topics	Physics	239	27.05.2020
102.	Series of Quizzes for Mechcons	Mechanical Engineering	102	27.05.2020
103.	Organized Series of Quizzes for Polytechnic students	Mechanical Engineering	94	27.05.2020
104.	International webinar on Benefits and Challenges in Industry 4.0	Mechanical Engineering	84	28.05.2020

No.	Name of the Training Programme/Guest Lecture/Seminar/Workshop/Symposium	Organizing Department	No. of Attendees	Date
105.	Developments in Energy Systems Beyond Lithium-Ion Battery	Physics	90	29.05.2020
106.	Different Areas of Entrepreneurship	Electronics Communication Engineering	57	29.05.2020
107.	Software Development methodologies using Agile and DevOps	Computer Science and Engineering	25	29.05.2020
108.	Workshop on 3D Printing	Mechanical Engineering	49	29.05.2020
109.	Modern web development	Computer Science and Engineering	82	30.05.2020
110.	Webinar on Psychology in workplace safety	Mechanical Engineering	52	30.05.2020
111.	Workshop on Solving Two-Dimensional Viscous Flow Problems using CFD Techniques	Mechanical Engineering	64	30.05.2020
112.	Online Quiz Contest for COVID -2K19 Pandemic	Mechanical Engineering	78	30.05.2020
113.	Webinar on Assertive communication	Mechanical Engineering	63	30.05.2020
114.	Surviving & Succeeding Through Pandemonium Times	Automobile Engineering	65	02.06.2020
115.	Cloud Computing	Computer Science and Engineering	59	03.06.2020
116.	Challenges on Agile Methodology in Embedded System Projects	Electronics Communication Engineering	56	05.06.2020
117.	Webinar on ERP for Business	Business Administration	115	05.06.2020
118.	Webinar of Supply Chain Outlook	Business Administration	100	06.06.2020
119.	PVD Methods for Thin Films	Physics	127	06.06.2020
120.	Supramolecular Optical Modular Chemosensors for Multifarious Applications	Chemistry	60	06.06.2020
121.	Entrepreneurship in e-commerce	Computer Science and Engineering	90	06.06.2020
122.	Linux and Data centre	Computer Science and Engineering	32	06.06.2020
123.	Covid-19 and Nanotechnology: Challenges and Opportunities	Chemistry	75	08.06.2020
124.	One Week Industrial Webinar on Safety Health and Environment	Mechanical Engineering	68	08.06.2020
125.	Electrospun Nanofibers: Concept and Applications	Physics	100	09.06.2020
126.	Skill Enhancement Training on Enriching the Documentation Using LATEX	Mathematics	80	09.06.2020
127.	Computational Thinking for structured programming in C	Computer Science and Engineering	60	10.06.2020
128.	Blockchain and Applications	Computer Science and Engineering	58	10.06.2020
129.	Webinar on Towards Society with Social Work	Social Work	100	10.06.2020
130.	Workshop on How to Sell Yourself	Commerce	200	10.06.2020 to 14.06.2020

No.	Name of the Training Programme/Guest Lecture/Seminar/Workshop/Symposium	Organizing Department	No. of Attendees	Date
131.	Research Lab Setups in Western Universities and Opportunities	Computer Science and Engineering	62	11.06.2020
132.	Disruptive Digital Innovations in CPG	Computer Science and Engineering	81	12.06.2020
133.	Responsive Web Design and Angular JS	Computer Science and Engineering	35	13.06.2020
134.	Webinar on "Energy Management System and SCADA in the Electrical Power Sector"	Electrical and Electronics Engineering	35	13.06.2020
135.	Steps in Research Process	Chemistry	91	11.06.2020
136.	Training Program On "Recent Trends on Intelligent Things (AI & IoT)"	Electronics Communication Engineering	36	11.06.2020
137.	Industrial Lecture on Web Development In 2020	Electronics Communication Engineering	2	13.06.2020
138.	Online workshop on SPSS	Commerce	150	14.6.2020-15.06.2020
139.	Webinar on Keeping Boredom and Stress Away" – Psychological Awakening of Mind	Social Work	110	15.06.2020
140.	Hands on Training on 3D Printing Technology	Mechanical Engineering	58	15.06.2020
141.	Five days value added course on "IoT Based System Design"	Electrical and Electronics Engineering	50	16.06.2020 to 17.06.2020 & 21.06.2020 to 23.06.2020
142.	Virtual Workshop on The Era of Digital Bioprocessing: Exploitation of MATLAB for Bioprocess Engineers	Biotechnology	75	17.06.2020
143.	Industrial Lecture on "Opportunities for an Engineer and the Skills Needed"	Electronics Communication Engineering	81	20.06.2020
144.	International Virtual Conference on Distributed Computing, Intelligence and its Applications IVCDCIA 2020"	Computer Science and Engineering	86	20.06.2020
145.	Industrial Lecture on "Scope of Automation in Future Industries"	Electronics Communication Engineering	97	22.06.2020
146.	Webinar on "Controller Applications in Automobiles"	Electronics Communication Engineering	84	21.06.2020
147.	Cyber Security and Security Operations	Computer Science and Engineering	79	22.06.2020 to 26.06.2020
148.	Virtual International Conference on "Innovations in Interdisciplinary Research" (Viciidr-2020)	Mechanical Engineering	600	23.06.2020 to 24.06.2020
149.	Webinar on "Role of IoT Engineer in Post COVID"	Electronics Communication Engineering	78	25.06.2020
150.	Automation Testing using Selenium	Computer Science and Engineering	40	26.06.2020
151.	Webinar on Language and literacy development in students with deaf and hard of hearing	SHIP	100	29.06.2020

KALASALINGAM GLOBAL CONFERENCE-2019

The Kalasalingam Global Conference-2019 organized with a theme on Sustainable Development from 18.12.2019 to 20.12.2019 was grandeur and a remarkable interdisciplinary platform for the exchange of ideas among leading academicians, researchers, scientists, and research scholars in the emerging frontiers of research. More than 300 participants from various parts of the world and India participated and presented their research papers. Students, research scholars and faculty members more than 900 in number also participated in the conference. Research papers were accepted for presentation in the following streams.

1. Clean Energy Sources and Energy Efficient Electronic Systems
2. Advanced Materials and Manufacturing for Sustainable Development
3. Architecture, Environmental and Building Sciences
4. Sustainable Computing
5. New Paradigm in Chemical and Biological Engineering
6. English in Digital Era for Education-4.0
7. Recent Trends in Materials and Mathematical Sciences
8. Technology Enabled Business Practices – Industry 4.0
9. Cutting Edge Approaches for Sustainable Agriculture and Food Technology Perspective
10. Assistive Technology - Opportunities for Differently-abled Community



More than 1420 papers were presented at the conference. Some of the plenary/keynote speakers are listed below.

1. Prof. Liong, Shie-Yui, Deputy Director, Tropical Marine Science Institute National University of Singapore, Singapore.
2. Prof. Xin She Yang, Professor, Middlesex University, London, UK
3. Prof. N. Sundara Rajan, Emeritus Professor, Nanyang Technological University, Singapore.
4. Dr. Suresh Sundaram, Professor, Indian Institute of Science, Bangalore, India.
5. Prof. Faizal Bin Mustapha, Professor, Department of Aerospace, *Universiti Putra Malaysia*, Selangor, Malaysia.
6. Dr. Dinakaran Nagamalai, Vice-President, Wire ill Networks, Australia.
7. Prof. Rajesh Sani, Professor, Department of Chemical and Biological Engineering, South Dakota School of Mines and Technology, USA.
8. Dr. Jaydeep Sarangi, Principal, New Alipore College, Kolkotta.
9. Prof. Amitava Patra, Professor & Dean, School of Materials Sciences, Indian Association for the Cultivation of Science, Kolkata.
10. Dr. R. Srinivasan, Member Secretary, TNSCST, Chennai.
11. Dr. S. Senthil Vinayagam, Principal Scientist, Indian Council of Agricultural Research, National Academy of Agricultural Research Management, Hyderabad.
12. Apart from the fund support from the management of KARE, the conference was generously sponsored by many leading funding agencies and organizations.

NATIONAL CONFERENCE ON 'MICROBIOLOGY IN THE NEW MILLENNIUM'

17th National Conference on 'Microbiology in the New Millennium' by the Indian Association of Applied Microbiologists (IAAM) was inaugurated in the presence of Prof. M. Krishnan, Vice- Chancellor, Madurai Kamaraj University, Prof. Rajesh Sani, South Dakota School of Mines and Technology, USA, Dr. Wilson Aruni, Pro-Vice-Chancellor, Sathyabama Institute of Science and Technology, Chennai, Prof. Usha Anand Rao, President, IAAM and Dr. N. Arunagirinathan, Secretary, IAAM on 29.11.2019 on the campus. 165 microbiologists of the country participated in the conference. KARE provided a platform for discussions among the participants, and KARE faculty members, research scholars, and students. Prof. K. Sundar, Dean, School of Bio and Chemical Engineering was awarded a fellowship by IAAM during the conference for his contributions to the field of Microbiology.



INDO-US WORKSHOP ON 'EXTREMOPHILES IN BIOTECHNOLOGY'

Indo-US Workshop on "Extremophiles in Biotechnology" was jointly organized by the Department of Biotechnology, KARE and South Dakota School of Mines and Technology (SDSMT), the USA during November 27-28, 2019. Dr. Rajesh Sani, Professor of Chemical and Biological Engineering and Applied Biological Sciences at SDSMT and Adjunct Professor of Biotechnology at KARE, was the resource person for the workshop. Thirty participants including 15 from other institutions have participated in the workshop.



POLY HOUSE AND TRAINING



Recognizing KARE, TNSCST granted a Technology Demonstration and Dissemination project on 'Polyhouse and training' at a budget of Rs 77.35lakh. A MoU was signed between KARE and TNSCST at Chennai on 24.10.2019.

PHD VIVA- VOCE EXAMINATION DEFENDED BY OUR FACULTY MEMBERS

Name of the faculty member and department		Name of the supervisor	Thesis title	Date of viva- voce examination
	Ms. P. Sivaranjana, Chemistry	Dr. E.R. Nagarajan and Dr. N. Rajini	Synthesis and Characterization Studies on Cellulose Base Nanocomposites Using Eco-Friendly Materials	16.08.2019
Mr. A. Robert Singh, Computer Science and Engineering		Dr. D. Devaraj and Dr. R. Narmatha Banu	Optimal Routing Algorithms for Wireless Mesh Network Based Advanced Metering Infrastructure (AMI) in Smart Grid	17.08.2019
	Mr. A. Saravanan, Computer Science and Engineering	Dr. K. Kartheeban	Computer Aided Detection of Pathologies in Brain Images by Applying Meta-Heuristics Based Clustering Techniques	16.09.2019
Mr. M. Maragatharajan Information Technology		Dr. S.P. Balakannan	Network Survivability Enhancement Using Multicast Routing Protocols for Mobile Adhoc Network	20.09.2019
	Mr. G. S. Samy, Automobile Engineering	Dr. S. Thirumalai Kumaran	Machinability Studies on B4C Reinforced Aluminum Composite	03.10.2019
Mr. D. Chella Ganesh, Mechanical Engineering		Dr. M. Adam Khan	Studies on Nickel Based Superalloys and Thermal Barrier Coatings for High Temperature Applications	19.11.2019

Name of the faculty member and department		Name of the supervisor	Thesis title	Date of viva- voce examination
	Ms. K. Karthigadevi, Computer Applications	Dr. S. Balamurali Dr. M. Venkatesulu	Novel Algorithms for Intrusion Detection to Improve the Quality of Service in Wireless Sensor Network	13.12.2019
Mr. A. Chithambar Ganesh, Civil Department		Dr. M. Muthukannan	Experimental Study on the Behaviour of Hybrid Fiber Reinforced Geopolymer Concrete Made of M-Sand	06.02.2020
	Mr. V. Muneeswaran, ECE Department	Dr. M. PallikondaRajasekaran	Gallbladder Shape Extraction from Ultrasound B-Mode Images using Soft Computing Techniques	17.02.2020
Mrs. V. Aruna Janani, Department of Chemical Engineering		Dr. S. Saravanan	Process Optimization and Modeling studies for Textile Dye Removal using Natural and Modified biosorbent of Acalypha indica	28.05.2020
	Mr. S. Suprakash, Department of Information Technology	Dr. S.P. Balakannan	Energy Efficient Resource Utilization in Cloud for Green Environment	03.06.2020
Mr. B. Pitchaimanickam, Department of Computer Science & Engineering		Dr. G. Muruga boopathi	Biologically Inspired Algorithms for the Optimization of Wireless Sensor Networks Lifetime and Energy Consumption	29.06.2020
	Mr. D. Ganesha Perumal, Department of Electrical and Instrumentation Engineering	Dr. B. Subathra	Development of Extremum Seeking and Behavior based Autonomous Operation of Micro Electric Vehicle	29.06.2020

SEMINAR & EXHIBITION OF TNSCST AT KARE

Tamil Nadu State Council of Science and Technology (TNSCST) initiate, support and co-ordinate the development of fundamental and applied research programmes in universities and professional bodies. This Student Project scheme is applicable for undergraduate and Postgraduate – professional and science courses in various disciplines. The identified project proposals by subject expert are selected with partial finance support of maximum Rs. 10,000. At the end of the year, one of the students of each project deliberates their project work at annular Seminar and exhibition, organized by TNSCST. Kalasalingam Academy of Research and Education is selected as venue for conducting the program of annular seminar cum exhibition in July 2019.



The inaugural function was held on 19th July, 2019. The Chief Guest, Padmasri Dr. Mylswamy Annadurai, Vice-President, TNSCST delivered the inaugural address. The proceedings comprising of all the funded projects was released by the Padmasri Dr. Mylswamy Annadurai, and received by Dr.R. Nagaraj, Vice-Chancellor, KARE and Dr. R. Srinivasan, Member Secretary, TNSCST. On 19th and 20th July 2019, students from each project presented their research innovation and displayed their models. Dr. K. Pitchumani, Vice-Chancellor, Manonmaniam Sundaranar University, Tirunelveli gave the valedictory address.

RESEARCH AND DEVELOPMENT SUMMARY

No.	Item	Count
1.	h-index as in Scopus	70
2.	No. of publications in calendar year 2019 (Scopus)	1256
3.	On-going Major Projects from Government Agencies	20
4.	On-going Minor Projects from Government Agencies	5
5.	No. of International Conferences organized	02
6.	No. Patents granted	144
7.	No. of full-time Ph.D. scholars	163
8.	No. of part-time Ph.D. scholars	277
9.	Post-doctoral fellows	09

PROJECT GRANTS RECEIVED FROM GOVERNMENT AGENCIES

No.	Title of the Project	Principal Investigator	Funding Agency	Sanctioned Amount (Rs)	Letter Number and Date
1	Bio-Epoxy, Hemp Fiber Mat, Glass Fiber Mat, Characterization, Mechanical and Thermo Mechanical Properties	Dr. N. Rajini, Mechanical Engineering	ISRF, DST	1,61,667	10.07.2019

No.	Title of the Project	Principal Investigator	Funding Agency	Sanctioned Amount (Rs)	Letter Number and Date
2	Development of Hybrid Imidazole-Metal Halide (IMZ-MX) and Gunaidine-Metal Halide (Gund-Mx) Derivative Perovskite Materials for Solar Cell and Tunable Solid State Light Emitting Applications	Dr. M. Krishna Kumar, Physics	CSIR	6,04,000	03(1468)/19/EMR-II, 05.08.19
3	AICTE Margdarshan	Dr. J.T. Winowlin Jappes, Mechanical Engineering	AICTE	30,00,000	58/14/RIFD/Marg darshan/2019-20, 06.09.2019
4	Scientometric Assessment of Research Trends in Precision Agriculture: Global and Indian Perspectives	Dr. G. Rajaraman, Agriculture Science	NSTMIS, DST	20,04,000	DST/NSTMIS/05/12/2018-19, 23.09.2019
5	Poly House and Training	Dr. G. Rajaraman, Agriculture	TNSCST	77,35,000	TNSCST/TDC/MOU/Grant/2019, 24.10.2019
6	Bibliometric study of soft computing techniques and its applications	Dr. S. Ramkumar, Computer Applications	NSTMIS, DST	30,31,603	NSTMIS/2019/342, 06.11.2019
7	Food Safety and Quality Analysis on Flexible Nanostructured Substrates by Surface Enhanced Raman Spectroscopy	Dr. Naidu Dhanpaul Jayaram, Physics	SERB, DST	32,01,000	SRG/2019/001576, 17/11/2019
8	Study effectiveness of Technology Business Incubators in South India	Dr. J. Deny, Electronics and Communication Engineering	NSTMIS, DST	32,25,200	NSTMIS/2019/352, 09.10.2019
9	Erasmus Plus	Dr. M. Uthaya Kumar, Automobile Engineering	Europe Union	25,00,000	PR 2.107371 2020
10	Establishment of STI hub for production of eco-friendly and economical products to improve the socio-economic status of SC population in Srivilliputhur block.	Dr. R. Kanniga Devi, Computer Science and Engineering	DST - SEED	2,38,43,900	DST/SEED/SCSP/STI/2019/127
11	Evaluation of biocompatible Collagen-Chitosan-Selenium Nanoparticles (SeNPs) scaffold for cardiac tissue engineering applications in Wistar rat	Dr. A. Muthukumaran, Biotechnology	ICMR	1700000	2020 5799, 25.04.2020
12	Evaluation of Solar PV System Performance under Partial Shading Conditions	Dr. A. Ramkumar, Dr. K. Rajesh	The Institution of Engineers (India)	1,49,000	R.6/2/DR/2019-20/DR2020002, 19.05.2020
13	Copra Heater	Mr. I. Raj Kumar	TNSCST	7500	EME-073, 29.05.2020

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 2019-2020.

No.	Department	Number of Doctoral and Post-Doctoral Scholars Supported	Annual Fellowship (Rs.)
1	Automobile Engineering	06	616000
2	Biotechnology	08	1276000
3	Civil Engineering	07	1032000
4	Computer Science and Engineering	05	572000
5	Electronics and Communication Engineering	09	1386000
6	Electrical and Electronics Engineering	01	140000
7	Instrumentation and Control Engineering	02	298000
8	Information Technology	01	130000
9	Mathematics	09	1130000
10	Physics	18	2394310
11	Chemistry	13	1379483
12	English	05	552000
13	Business Administration	04	288000
14	Computer Applications	06	660000
15	Mechanical Engineering	09	1280000
	Total	103	13133793

RESEARCH INCENTIVES FOR PUBLICATIONS AND PATENTS

No.	Department	Publication Details				Cumul. Impact Factor	Reward (Rs.)
		Scopus Indexed	SCI Indexed	Book Chapter	Book		
1.	Automobile Engineering	3	14	1		41.923	245000
2.	Agricultural Engineering	2	-	-	-	-	20000
3.	Biotechnology	4	10	-	-	22.366	200000
4.	Biomedical Engineering	7	-	-	-	-	70000
5.	Chemical Engineering	-	1	-	-	1.234	15000
6.	Chemistry	3	14	-	-	49.663	270000
7.	Civil Engineering	7	2	-	-	3.138	85000
8.	Computer Applications	1	2	-	-	3.413	40000
9.	Computer Science and Information Technology	33	16	7	3	42.339	650000
10.	Computer Science and Engineering	8	6	1	-	17.311	190000
11.	Electronics and Communication Engineering	2	5	-	-	9.563	105000
12.	Electrical and Electronics Engineering	4	4	-	-	14.457	100000
13.	English	4	-	-	1	-	50000

No.	Department	Publication Details				Cumul. Impact Factor	Reward (Rs.)
		Scopus Indexed	SCI Indexed	Book Chapter	Book		
14.	Food Technology	-	1	-	-	1.448	15000
15.	Instrumentation and Control Engineering	1	1	-	-	2.810	25000
16.	Mechanical Engineering	4	7	3	-	11.617	175000
17.	Mathematics	2	-	-	-		20000
18.	Physics	1	8	1		13.970	130000
19.	Social Work	2	-	-	-	-	20000
20.	Tamil	-	-	-	1	-	10000
	Total	88	91	13	5	235.252	2445000

SEED MONEY FOR RESEARCH

No	Faculty Name	Department	Amount
1.	Dr. C. Sivapragasam	Civil	682000
2.	Dr. T. R. Neelakantan	Civil	162000
3.	Dr. M. Muthukannan	Civil	572000
4.	Dr. Pl Meyyappan	Civil	80,000
5.	Dr. S. Vanitha	Civil	182000
6.	Mr. N. Ganesan	Civil	55,000
7.	Mr. SKM Pothinathan	Civil	55,000
8.	S. Saravanasankar	Mechanical	598944
9.	P. Venkumar	Mechanical	412000
10.	N. Rajini	Mechanical	401000
11.	A. Alavudeen	Mechanical	180000
12.	C.Bennet	Mechanical	86000
13.	V. Arumugaprabhu	Mechanical	386000
14.	G. Kalusuraman	Mechanical	99000
15.	S. Muthuvel	Mechanical	280000
16.	S. Bathrinath	Mechanical	460000
17.	K. Senthilkumar	Mechanical	107000
18.	P. Balamurugan	Mechanical	100000
19.	K. Mayandi	Mechanical	84000
20.	S. Rajesh	Mechanical	359000
21.	S. Kalirasu	Mechanical	86000
22.	I.Siva	Mechanical	258000
23.	M.Adamkhan	Mechanical	250000
24.	J.T. WinowlinJappes	Mechanical	487000
25.	S. Sureshkumar	Mechanical	102000
26.	M.Uthayakumar	Automobile	421000
27.	S. Jeyakumar	Aeronautical	240000
28.	S. Thirumalaikumaran	Automobile	420000
29.	P.G. Gurusampandian	Automobile	30000
30.	S. Karthikeyan	Automobile	212000

No	Faculty Name	Department	Amount
31.	M.Sivasubramanian	Automobile	320000
32.	Dr. Gowthaman	Automobile	140000
33.	Dr. D. Devaraj	EEE	355000
34.	Dr. P. Arunajeyanthi	EEE	225000
35.	Dr. A. Ramkumar	EEE	230000
36.	Dr. K. Rajesh	EEE	212000
37.	Dr. M. Kalpana	ECE	316000
38.	Dr. R. Nagaraj	ECE	110000
39.	Dr. M. PallikondaRajasekaran	ECE	582000
40.	Dr. P. Sivakumar	ECE	240000
41.	Dr. B. Perumal	ECE	220000
42.	Dr. A. Muthukumar	ECE	240000
43.	Dr. A. Lakshmi	ECE	80000
44.	Dr. K.S. Dhanalakshmi	ECE	80000
45.	Dr. J. CharlesPravin	ECE	486000
46.	Dr. J. Deny	ECE	162000
47.	Mr. P. Murugan	ECE	15000
48.	B. Subathra	EIE	420000
49.	Dr. Deepalakshmi	CSE	282000
50.	K. Kartheeban	CSE	180000
51.	Dr. Murugaboopathi	CSE	180000
52.	Dr. Ramalakshmi	CSE	180000
53.	Dr. Murugeswari	CSE	170000
54.	Dr. Dhanasekaran	CSE	102000
55.	Dr. Kannigadevi	CSE	132000
56.	Dr. S. Karkuzhali	CSE	96000
57.	B. Pitchaimanickam	CSE	30000
58.	K. Karthigadevi	CSE	30000
59.	Dr. V. Vasudevan	CSE	440000
60.	Dr. Venkatesulu	IT	402000
61.	Dr. Balakannan	IT	120000
62.	Dr. Suthendran	IT	180000
63.	Dr. Vidhyasaraswathi	CS&IT	60000
64.	Dr. Ilayaraja	CS&IT	96000
65.	Dr. Balamurali	MCA	620000
66.	Dr. Shankar	MCA	108000
67.	Dr. S. Ramkumar	MCA	60000
68.	K. Sumathi	MCA	60000
69.	Dr. K. Ponmozhi	MCA	80000
70.	Dr. K. Sundar	BioTech	530000
71.	Dr. T. Kathiresan	BioTech	550000
72.	Dr. K. Palanichelvam	BioTech	240000

No	Faculty Name	Department	Amount
73.	Dr. Naresh Kumar Sharma	BioTech	322000
74.	Dr. A. Muthukumaran	BioTech	150000
75.	Dr. B. Vanavil	BioTech	222000
76.	Dr. Sankarganesh Arunachalam	BioTech	332000
77.	Dr. N. Hariram	BioTech	150000
78.	Dr. K. Selvaraj	BioTech	130000
79.	Dr. Sheik Asraf	BioTech	120000
80.	Dr. V. Deepak	BioTech	120000
81.	Dr. T. Arunprasath	Biomedical	289536
82.	Dr. G. Vishnuvarthanan	Biomedical	225000
83.	Dr. C. Ramalingan	Chemistry	324000
84.	Dr. N. Selvapalam	Chemistry	240000
85.	Dr. Lakshminarayanan	Chemistry	138000
86.	Dr.E.R. Nagarajan	Chemistry	573000
87.	Dr. S. Ramalingam	Chemistry	206000
88.	Dr. Arunachalam	Chemistry	78000
89.	Dr. M. Swaminathan	Chemistry	98483
90.	Dr. Rameshkumar	Chemistry	136000
91.	Dr. Sundaravel	Chemistry	136000
92.	Dr. Stalindurai	Chemistry	106000
93.	Dr. A. Gangadhara	Chemistry	80000
94.	Dr. S. Asath Bahadur	Physics	855000
95.	Dr. Nallamuthu	Physics	154310
96.	Dr. Saravananakumar S	Physics	202000
97.	Dr. Krishnakumar	Physics	268000
98.	Dr. Arivarasan	Physics	296000
99.	Dr. Muthuvinayagam	Physics	316000
100.	Dr. Vanita D	Physics	186000
101.	Dr. Devendran	Physics	148000
102.	Dr. Revathy	Physics	126000
103.	Dr. Vishwanathan	Physics	126000
104.	Dr. Gurusankar	Physics	116000
105.	Dr. Thangarasu	Physics	100000
106.	Dr. P. Selvarengan	Physics	60000
107.	T. Theivasanthi	Physics	90000
108.	Dr. S. Jeyavijayan	Physics	60000
109.	Dr. S. Balamurali	MCA	250000
110.	Dr. Karuppasamy	Mathematics	280,000
111.	Dr. Maragathasundari	Mathematics	258000
112.	Dr. S. Saravanakumar	Mathematics	136000
113.	Dr. Rajakumar	Mathematics	40,000
114.	Dr. D. Saravanakumar	Mathematics	60,000

No	Faculty Name	Department	Amount
115.	Dr. K. Gurusamy	English	15000
116.	Dr. A. Hariharasudan	English	166000
117.	Dr. S. Mohan	English	264000
118.	Dr. C. Jothi	English	60000
119.	Dr. R. Kannan	English	96000
120.	Dr. B. ShanmugaPriya	MBA	30000
121.	Dr. K. Ravindran	MBA	80000
122.	Dr.S.B. InayathAhamed	MBA	132000
123.	Dr. Selvarani	MBA	126000
124.	Centre for Renewable energy and smart grid technology	EEE	2300000

PUBLICATIONS IN PEER REVIEWED & INDEXED JOURNALS (SCOPUS)

No.	Country of collaborating author(s)	No. of publications
1.	Malaysia	51
2.	Indonesia	28
3.	Vietnam	23
4.	Thailand	22
5.	China	20
6.	Egypt	19
7.	Saudi Arabia	16
8.	Turkey	16
9.	USA	15
10.	Russia	14
11.	UK	14
12.	Taiwan	10
13.	Brazil	08
14.	Japan	08
15.	South Korea	08
16.	Ethiopia	04
17.	Poland	04
18.	Portugal	04
19.	South Africa	04
20.	UAE	04
21.	Colombia	03
22.	Iraq	03
23.	Australia	01
24.	Bangladesh	01
25.	Belgium	01
26.	Botswana	01
27.	Brunei Darussalam	01
28.	Canada	01
29.	Denmark	01
30.	France	01
31.	Germany	01
32.	Hungary	01
33.	Iran	01
34.	Israel	01

No.	Country of collaborating author(s)	No. of publications
35.	Italy	01
36.	Jordan	01
37.	Pakistan	01
38.	Philippines	01
39.	Singapore	01

SUBJECT-WISE PUBLICATIONS (SCOPUS)

No.	Subject	No. of publications
1.	Engineering	299
2.	Computer Science and Engineering	210
3.	Mathematics	151
4.	Materials Science	147
5.	Physics and Astronomy	82
6.	Decision Sciences	76
7.	Energy	74
8.	Chemistry	66
9.	Chemical Engineering	46
10.	Business, Management and Accounting	44
11.	Environmental Science	40
12.	Biochemistry, Genetics and Molecular Biology	22
13.	Agricultural and Biological Sciences	19
14.	Social Sciences	16
15.	Medicine	11
16.	Pharmacology, Toxicology and Pharmaceutics	10
17.	Earth and Planetary Science	06
18.	Economics, Econometrics and Finance	05
19.	Multidisciplinary	05
20.	Health Profession	04
21.	Immunology and Microbiology	04

DEPARTMENT WISE PUBLICATIONS (SCOPUS)

No	Department	No of publications
1.	Aeronautical Engineering	13
2.	Agriculture	6
3.	Architecture	10
4.	Automobile Engineering	30
5.	Biomedical Engineering	37
6.	Biotechnology	65
7.	Business Administration	28
8.	Catering Science & Hotel Management	4
9.	Chemical Engineering	5
10.	Chemistry	111
11.	Civil Engineering	103
12.	Commerce	15
13.	Computer Applications	51
14.	Computer Science & Information Technology	64
15.	Computer Science and Engineering	112

16.	Electrical Electronics Engineering	76
17.	Electronics Communication Engineering	66
18.	Electronics Instrumentation Engineering	11
19.	English	46
20.	Food Technology	1
21.	Information Technology	41
22.	Mathematics	53
23.	Mechanical Engineering	211
24.	Physics	89
25.	SHIP	2
26.	Social Work	5
27.	Visual Communication	1

KARE RESEARCHERS' CLUB (KRC) SEMINARS

No	Resource person	Date	Title	Participants
1.	Dr. J. Vinothkumar, PDF, Chemistry, KARE	31.08.2019	Design of Novel Binary Metal Oxides for Electrochemical Sensors and Photocatalyst	84
2.	Dr. R. Seenivasagan, PDF, Biotechnology, KARE	07.09.2019	Bacterial Reduction of Chromium from Tannery Effluent	78
3.	Dr. A. Raja, PDF, Physics, KARE	21.09.2019	Photocatalytic Organic Pollution Removal	78
4.	Dr. P. Jeyadurga, PDF, Mathematics, KARE	05.10.2019	Introduction to Matlab	76
5.	Dr. D. Senthilkumar, PDF, Biotechnology, KARE	19.10.2019	General aspects of protein function	80
6.	Dr. V. Siva, PDF, Physics, KARE	02.11.2019	Novel Single crystals for optoelectronic applications	74

HIGH IMPACT FACTOR PUBLICATION



Dr. S. Saravana Kumar, Department of Physics, published a research paper titled **'Sunlight-operable light converting smart windows for fertilizer-free plant growth enhancement'** in Nano Today (ELSEVIER) which has an Impact Factor of 16.907.

5. MISCELLANEOUS

IQAC QUARTERLY REVIEW MEETINGS

IQAC quarterly review meeting was conducted on 19.06.2019. The following external members were present in the meetings.

1. Dr. N. Alagumoorthy, Professor, Department of Mechanical Engineering, Pondicherry Engineering College, Pondicherry.
2. Dr. Arun Rajagopalan, Director, Data Science, Evive Software Analytics, Bengaluru.
3. Dr. K. Janakiraman, Head Technical, OBO Bettermann, Chennai.

IQAC quarterly review meeting was conducted on 19.10.2019. The external members Dr. N. Algumurthi, Dr. K. Janakiraman and Dr. Arun Rajagopal attended the same and offered their valuable suggestions. Dr. C. Sivapragasam, Director, IQAC presented the quality initiatives and quality status of various activities of the institute. The members discussed and suggested ways to improve quality. Analysis of course survey in the middle of the semester, UG project report audit, academic auditing, and action plan of IQAC & CLT for the year 2019-20 were discussed.

The IQAC Second Quarter Meeting was held on 31.01.2020 at Board Room of Admin Block. The external members Dr. N. Algumurthi and Dr. Arun Rajagopal attended the same and offered their valuable suggestions. Few key points are : Members suggested to initiate some steps to improve visibility of KARE at National and International level, Dean (SAME) and Dean (SoC) were asked to investigate the department about students' feedback in the previous semester and take corrective measures, Members requested to present the research project details, patents and consultancy in the next meeting, Students and Faculty members achievements at national/international level can be presented in IQAC meeting, Members suggested to have appropriate slogan for each administrative section as a step towards quality initiative, Initiatives can be planned towards Industry 4.0, Members also pointed during the discussion on NIRF that in most of the accreditation and ranking part the Budget component plays a major role. Hence that has to be given consideration to improve institutional performance.

The IQAC third quarter meeting was held on 19.05.2020 via online platform. The external members Dr. N. Algumurthi, Dr. K. Janakiraman and Dr. Arun Rajagopal attended the same and offered their valuable suggestions. Few key points are: To consider offering training program for the non-teaching staff, Mentoring the students to ensure their mental preparedness for the upcoming semester, for which faculty members also need to be trained, virtual lab generation and offering extension services during this pandemic situation.

LIST OF PROGRAMS CONDUCTED

1	A Workshop on Ishikawa – An Orientation for the Faculty	30-09-2019 to 30-09.2019
2	A Workshop on Rockefeller Habits- Awareness Program for the Staff	29-09-2019 to 29-09.2019
3	One day Awareness program on Six Sigma	22-07-2019 to 22-07.2019
4	The Role of Quality in Student Participation in the Campus Affairs- Workshop for Students	18-05-2020 to 18-05.2020
5	Faculty Induction program for Quality & Excellence	09-07-2019 to 09-07.2019
6	"One Week Faculty Development Program on "Digital Tools for Teaching- IQAC Initiatives"	15-06-2020 to 20-06.2020
7	A One-Day Workshop on Quality in Teaching using "Digital Pedagogy" (Phase-I)	01.07.2019
8	A One-Day Workshop on Quality in Teaching using Advanced Digital Pedagogy (Phase-II)	24.12.2019
9	One Day Workshop on Quality through Transparency and Participation – The Role of students in Governance	09.12.2019
10	Quality and Excellence in Teaching-Learning- An Awareness Program for OBE	25.05.2020 to 26.05.2020

SILVER JUBILEE ALUMNI MEET

The Silver Jubilee Alumni Meet for the 1990-94 batch was held on 26.07.2019 at the Institute. Sixty- five alumni and their family members participated. Dr. T. Senthil Muthu Kumar, Secretary, Alumni Association welcomed the gathering. Dr. V. Vasudevan, Registrar delivered the presidential address focusing on the growth of the institute. Dr. T.R. Neelakantan, Director-AR offered felicitations and spoke of the plans of the institution. Many alumni members shared their sweet memories, honored their faculty members and other staff, and expressed possible contributions they can do to the KARE family. Alumni members spend their day on campus visiting various locations. Mr. Vivekanda Arunachalam (1990-94 batch alumni) offered a vote of thanks.



OTHER CELEBRATIONS

No.	Date	Event / Programmes Name	Name of the Organizing School / Department
1	01.07.2019	Gender Equity Programme (Freshman Induction Programme)	Women Empowerment Cell
2	18.07.2019	Mandela Birthday	Nelson Mandela Hostel
3	20.07.2019	Gregor Mendel Birthday	School of Bio and Chemical Engineering
4	06.08.2019	Management Guru Birthday (Dr. C.K. Prahalad Birthday)	Kalasalingam Business School
5	07.08.2019	M. S. Swaminathan Birthday	School of Agricultural and Processing Sciences
6	12.08.2019	Vikram Sarabhai Birthday	Department of Physics
7	12.08.2019	International Youth Day	NSS
8	15.08.2019	Raksha Bandhan	Hostel Students' Association
9	26.08.2019	Mother Teresa Birthday	Mother Teresa Hostel
10	29.08.2019	National Sports Day	Physical Education
11	02.09.2019	Vinayagar Chaturthi	Lord Vinayaka Temple
12	05.09.2019	Teachers' Day	KARE
13	11.09.2019	Onam Festival	Lord Vinayaka Temple
14	15.09.2019	Engineers' Day	School of Environmental and Construction Technology
15	28.09.2019	Bhagat Singh Birthday	Bhagat Singh Hostel

No.	Date	Event / Programmes Name	Name of the Organizing School / Department
16	02.10.2019	Gandhi Jayanthi	All Schools
17	07.10.2019	Saraswathy Pooja and Ayuda Pooja	All Schools
18	08.10.2019	Dasara	Student Association
19	15.10.2019	Kalam's Birthday	SAME, SoC and SEET
20	16.10.2019	World Food Day	SoAPS and Catering Science and Hotel Management
21	27.10.2019	Deepavali	Hostel Students' Association
22	30.10.2019	Homi J. Bhabha Birthday	Department of Physics
23	31.10.2019	Vallabhbhai Patel Birthday (National Unity Day)	National Service Scheme and National Cadet Crops
24	07.11.2019	Bipin Chandra Pal Birthday	Library and SoC
25	07.11.2019	C. V. Raman Birthday	Department of Physics and International Research Centre
26	11.11.2019	National Education Day	SLATE and SHIP
27	19.11.2019	Indira Gandhi Birthday	Indira Gandhi Hostel
28	19.11.2019	Jhansi Rani Birthday	Women's Grievance Cell
29	26.11.2019	Constitution Day	Department of Business Administration
30	30.11.2019	Worlds AIDS day	Red Ribbon Club
31	03.12.2019	Day of Disabled Persons	SHIP and Department of Biomedical Engineering
32	04.12.2019	Sir Kariamanickam Srinivasa Krishnan Birthday	Department of Physics and International Research Centre
33	07.12.2019	Flag Day	National Cadet Crops
34	10.12.2019	Human Rights Day	Master of Social Work
35	11.12.2019	Bharathi's Birthday	Tamil Mandram
36	21.12.2019	Srinivasa Ramanujan's Birthday (National Mathematics Day)	Department of Information and Technology, Department of Mathematics and Electronics and Communication Engineering
37	10.01.2020	Pongal festival	Hostel Students' Association
38	09.01.2020	National Girl Child Day	Kalasalingam Business School
39	25.01.2020	Vehicle Free Day	All Schools
40	14.02.2020	Pulwama Attack Remembrance Day	National Service Scheme
41	22.02.2020	National Science Day	School of Advanced Sciences
42	26.02.2020	World Mother Language Day	School of Liberal Arts and Special Education
43	04.03.2020	Alumni Meet	Alumni Association
44	07.03.2020	Nutpam 2020 (S&T Conference in Tamil)	School of Automotive and Mechanical Engineering



Mahakavi Bharathi's Birthday Function by Tamil Mandram

CLUB/SOCIETY ACTIVITY



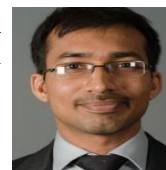
The fourth-year inauguration of Coder Crew was celebrated on 13.09.2019 and event *Technophilia* was conducted with the sponsorship of Computer Society of India (CSI). Out of 600 members nearly 400 participated in the event. Learnathon was conducted under the topics Cyber Security, Artificial Intelligence, Machine Learning, Big Data, Web Development, and Mobile App Development.

ALUMNI NEWS



Sow. K. Visalini (Reg. No. 9415004001, B.Tech., 2015-18, Computer Science and Engineering), a child-prodigy (https://en.wikipedia.org/wiki/K._Visalini, www.kvisalini.com) who was given special admission to B.Tech. at KARE at the age of 14, as an exceptional candidate. She completed her B.Tech. from KARE in three years with a CGPA of 9.6 out of 10 in the honors category. Noticing her remarkable achievements, Kansas State University, USA offered direct admission to Ph.D. programme starting in January 2020 with full financial support. However, she declined the offer for working on strategically vital and confidential projects of the Government of India.

Sri. Pruthvi Balachandra Kalyandurg (B.Tech., 2007-11, Biotechnology) has been awarded a Ph.D. by Swedish University of Agricultural Sciences, Uppsala, Sweden for his thesis entitled 'Potato mop-top virus: variability, movement, and suppression of host defense'.



Smt. U. Archana (B.Tech., 2006-10, Electronics and Communication Engineering) was declared the first rank on 31.12.2019 in the TNPSC examinations held for Group 1 category posts. She will be offered Deputy Collector post.

INSTITUTIONAL SOCIAL RESPONSIBILITY

As part of international computer science education week, faculty members Prof. Premraj, and Prof. Kartheeswaran of School of Computing arranged a one-week programme to extend Computer Science Education to the school children at Kalaimagal Higher Secondary School in the S. Ramachndrapuram Village, Virudunagar District and Government Higher Secondary School in Maharajapuram Village, Virudunagar district during 09.12.2019 to 15.12.2019. Faculty members trained the children on using laptops and desktop machines. The children were also introduced to JAVA and Python programming.





As a good will project to the society around, KARE constructed and donated an air-conditioned dispensary at the Srivilliputtur Government Hospital at Rs 4.5 lakh. This dispensary was opened by Dr. S. Shasi Anand, Vice-President, KARE on 25.10.2019.

KARE regularly conducts special programs to visually impaired school passed candidates and graduates on 'skill-based employment training' for six months. This fully-free residential program is offered with the teaching collaboration of Karna Vidya Foundation, Chennai. In the current session, all the 28 visually impaired candidates trained were placed in various companies in various sectors by 04.11.2019.



NCC cadets visited to the Lakshmi Bhavan orphanage in Madurai and distributed the gifts worth about Rs 10,000 and expressed the support to the orphan children on 23.11.2019.

KARE prepared 500 kg Fly Ash based Bio-fertilizer and it was distributed to nearby farmers during the lockdown period. This Bio- fertilizer is eco-friendly. Demo was also given to the farmers on usage of bio-fertilizers.



PROGRAMS ORGANIZED BY WOMEN EMPOWERMENT CELL

GUEST LECTURE PROGRAM

Women Empowerment Cell conducted a guest lecture on the topic “The Psychological Aspects of women Empowerment” on 10.01.2020 at TIFAC CORE Seminar Hall. Dr. Arjun, Psychiatrist, Sethur delivered the guest lecture. He advised the students, how to overcome the psychological problems. He also highlighted the women empowerment by raising the status of women through education. About 300 women l students participated in the program.

CELEBRATION OF INTERNATIONAL WOMEN’S DAY

KARE’s Women Empowerment Cell (WEC) celebrated the International Women’s Day on 7th March 2020 at K.S. Krishnan Auditorium, KARE campus at 10.00 am. Mrs. Kavitha Jawahar, Public Speaker, was the chief guest of the day. She delivered the chief guest address on the title “Singa Penne”. Dr. P. Deepalakshmi, Dean School of Computing organized the program. Various competitions were conducted for the students and faculty members. Prizes were distributed to the winners of the competitions. 97 students and 52 faculty members bagged the medals.

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