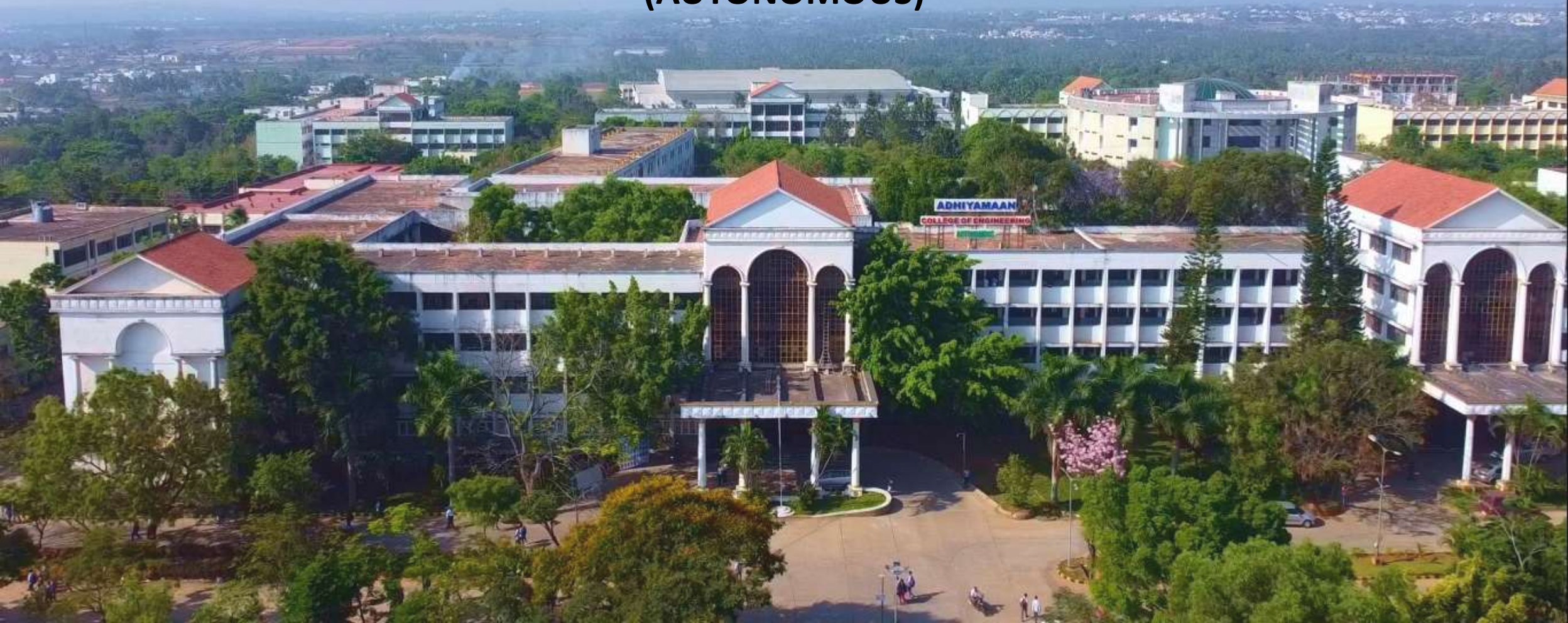# ACE NEWSLETTER

ADHIYAMAAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

PUBLICATIONS

S. No.	NAME	DEPARTMENT	TITLE OF THE PAPER	TITLE OF THE JOURNAL	MONTH & YEAR
1.	SIVANANTHAM S	IT	Performance Evaluation of Association Rule based Classification in Cancer Diagnosis	Proceedings of the 2nd International Conference on Inventive Research in Computing Applications, ICIRCA 2020	JULY - 2020
2.	DAVID WILLIAM RAJ L	ECE	Robotic Arm for Extricate Operation in Bore Well	2020 International Conference on System, Computation, Automation and Networking, ICSCAN 2020	JULY - 2020
3.	POOVENDRAN R	ECE	Design of Nano Thermoelectric Generator for Wireless Nano-Sensor Network	2020 International Conference on System, Computation, Automation and Networking, ICSCAN 2020	JULY - 2020
4.	POOVENDRAN R	ECE	Multi-Purpose Intelligent Drudgery Reducing Ecobot	2020 International Conference on System, Computation, Automation and Networking, ICSCAN 2020	JULY - 2020
5.	POOVENDRAN R	ECE	Architectural Exploration of Heterogeneous NoC with Fault Tolerant Capacity	2020 International Conference on System, Computation, Automation and Networking, ICSCAN 2020	JULY - 2020

PUBLICATIONS

S. No.	NAME	DEPARTMENT	TITLE OF THE PAPER	TITLE OF THE JOURNAL	MONTH & YEAR
6.	POOVENDRAN R	ECE	Design of Nano Thermoelectric Generator for Wireless Nano-Sensor Network	2020 International Conference on System, Computation, Automation and Networking, ICSCAN 2020	JULY - 2020
7.	POOVENDRAN R	ECE	Multi-Purpose Intelligent Drudgery Reducing Ecobot	2020 International Conference on System, Computation, Automation and Networking, ICSCAN 2020	JULY - 2020
8.	KUMAR K R	MBA	IoT Role in Prevention of COVID-19 and Health Care Workforces Behavioural Intention in India - an Empirical Examination	International Journal of Pervasive Computing and Communications	AUGUST - 2020
9.	MOHANAPRIYA A	MATHS	Hyers-Ulam Stability of First Order Linear Differential Equation Using Fourier Transform Method	Journal of Physics: Conference Series	AUGUST - 2020
10.	MOHANAPRIYA A	MATHS	The Fourier Transform Approach to Hyers-Ulam Stability of Differential Equation of Second Order	Journal of Physics: Conference Series	AUGUST - 2020

PUBLICATIONS

S. No.	NAME	DEPARTMENT	TITLE OF THE PAPER	TITLE OF THE JOURNAL	MONTH & YEAR
11.	MENAKADEVI T	ECE	An Improved Distance-Based Ant Colony Optimization Routing for Vehicular Ad Hoc Networks	International Journal of Communication Systems	SEPTEMBER - 2020
12.	RANGANATH G	MECH	Effect of Rubber Ash on Mechanical Properties of Al6061 Based Hybrid FGMMC	Materials Research Express	SEPTEMBER - 2020
13.	MOHANAPRIYA A	MATHS	New Generalization of Hermite-Hadamard Type of Inequalities for Convex Functions Using Fourier Integral Transform	Thai Journal of Mathematics	SEPTEMBER - 2020
14.	SARAVANAN S	BIOTECH	Oxalate Oxidase: An Antilithiatic Enzyme from Staphylococcus Pasteuri and its Degradation Studies	International Journal of Pharmaceutical Research	SEPTEMBER - 2020
15.	REGIN R	IT	Nuclear Structure of Some Even and Odd Nuclei Using Shell Model Calculations	AIP Conference Proceedings	OCTOBER - 2020

PUBLICATIONS

S. No.	NAME	DEPARTMENT	TITLE OF THE PAPER	TITLE OF THE JOURNAL	MONTH & YEAR
16.	POOVENDRAN R	ECE	Design of Cost-Effective Wearable Sensors With Integrated Health Monitoring System	Proceedings of the 4th International Conference on IoT in Social, Mobile, Analytics and Cloud, ISMAC 2020	OCTOBER - 2020
17.	NARAYANAN M	BIOTECH	Screening of Polyhydroxybutyrate Producing Indigenous Bacteria from Polluted Lake Soil	Heliyon	OCTOBER - 2020
18.	MADHESH P	ECE	Recent Advancements in Rapid Analysis of Pesticides Using Nano Biosensors: A Present and Future Perspective	Journal of Cleaner Production	OCTOBER - 2020
19.	MARIAPPAN R	PHYSICS	Effect of Dopant Concentration on Polyaniline/Poly(4-Styrene Sulfonic Acid) Composite for Ammonia Gas Detection	Polymers and Polymer Composites	OCTOBER - 2020
20.	SUMATHI A	ECE	Optimal Feature Selection for the Classification of Hyperspectral Imagery Using Adaptive Spectral–Spatial Clustering	International Journal of Parallel Programming	OCTOBER - 2020

PUBLICATIONS

S. No.	NAME	DEPARTMENT	TITLE OF THE PAPER	TITLE OF THE JOURNAL	MONTH & YEAR
21.	POOVENDRAN R	ECE	Design of Cost-Effective Wearable Sensors With Integrated Health Monitoring System	Proceedings of the 4th International Conference on IoT in Social, Mobile, Analytics and Cloud, ISMAC 2020	OCTOBER - 2020
22.	SIVAKUMAR K	CHEMISTRY	Synthesis of Some Pharmacologically Relevant Coumarins Linked with (Hetero)aryl Amides	AIP Conference Proceedings	NOVEMBER - 2020
23.	MITALI DAS	CHEMICAL	Thermal Safety Assessment for Solid Organic Peroxides	Journal of Loss Prevention in the Process Industries	NOVEMBER - 2020
24.	KATHIRVEL M	CIVIL	Review on Reinforced Concrete Column Jacketing	International International Journal of All Research Education and Scientific Methods	NOVEMBER - 2020
25.	REGIN R	IT	Spectroscopy Analysis for Quality Control Measurement in Waste Management	Journal of Physics: Conference Series	DECEMBER - 2020

PUBLICATIONS

S. No.	NAME	DEPARTMENT	TITLE OF THE PAPER	TITLE OF THE JOURNAL	MONTH & YEAR
26.	MOHANAPRIYA A	MATHS	A Study on Fractional Differential Equations Using The Fractional Fourier Transform	Advances in Difference Equations	DECEMBER - 2020
27.	MOHANAPRIYA A	MATHS	Fractional Fourier Transform and Stability of Fractional Differential Equation on Lizorkin Space	Advances in Difference Equations	DECEMBER - 2020
28.	MOHANAPRIYA A	MATHS	Mittag-Leffler–Hyers–Ulam Stability of Differential Equation Using Fourier Transform	Advances in Difference Equations	DECEMBER - 2020
29.	MOHANAPRIYA A	MATHS	Hybrid Method for Detection and Classification of Paddy Leaf Deficiency Using Modified K-Means Image Segmentation	Indian Journal of Computer Science and Engineering	DECEMBER - 2020
30.	DHANASEKAR R	MBA	Development of Mobile Car Black Box With Synchronous Action of Vehicle Control Unit and Android Mobile Using Berlinite Material	Materials Today: Proceedings	DECEMBER - 2020

SEMINAR/CONFERENCE/WEBINAR/WORKSHOP ORGANISED

S. No.	SEMINAR/ CONFERENCE/ WEBINAR/ WORKSHOP	TITLE	CATEGORY	DEPARTMENT	DATE
1.	Seminar	An Inspiring Talk on Goal Setting	Skill Development	CHEMICAL	12.07.2020
2.	Seminar	Python for Image Processing	Skill Development	ECE	13.07.2020
3.	Webinar	Challenges and Emerging Solution for Environmental Protection	Skill Development	CIVIL	22.07.2020 & 24. 07.2020
4.	Seminar	Recent Satellite Sensors for Terra and Aqua Applications	Skill Development	ECE	29.07.2020
5.	Seminar	Satellite Image Processing for Aquatic Application	Skill Development	ECE	06.08.2020

SEMINAR/CONFERENCE/WEBINAR/WORKSHOP ORGANISED

S. No.	SEMINAR/ CONFERENCE/ WEBINAR/ WORKSHOP	TITLE	CATEGORY	DEPARTMENT	DATE
6.	Webinar	Internship Awareness Program Benefits and Opportunities in Mechanical/ HVAC	Skill Development	MECH	10.09.2020
7.	Seminar	Opportunities and Trends in Sensors and IoMT	Skill Development	ECE	16.09.2020
8.	Workshop	BIM-ENSCAPE	Skill Development	B.ARCH	16.09.2020 to 17.09.2020
9.	Workshop	BIG DATA	Skill Development	EEE	19.11.2020 to 20.11.2020
10.	Webinar	Unleash Your Research Potential	Research Methodology	CSE	24. 06.2020 to 26.06.2020

SEMINAR/CONFERENCE/WEBINAR/WORKSHOP ORGANISED

S. No.	SEMINAR/ CONFERENCE/ WEBINAR/ WORKSHOP	TITLE	CATEGORY	DEPARTMENT	DATE
11.	Webinar	Student Development Program on COVID-19: Past, Present, Future	Research Methodology	BIOTECH	11.07.2020
12.	Seminar	Para-Quantitative Methodology: Reclaiming Experimentalism in Educational Research	Research Methodology	ECE	26.11.2020
13.	Seminar	Research Methodology- How to do Architectural Thesis	Research Methodology	B.ARCH	16.12.2020
14.	Webinar	Entrepreneurship-cum-Skill Development	Entrepreneurship	BIOTECH	18.08.2020
15.	Seminar	International Patent Protection and Copyright Infringement	IPR	ECE	10.09.2020
16	Webinar	COVID vaccines and its IPR Status	IPR	BIOTECH	14.09.2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
1.	BAGYALAKSHMI N	BME	Research Avenues in Electrical Engineering	Karpagam College of Engineering, Coimbatore.	06-07-2020 to 10-07-2020
2.	SURESH KUMAR M A	MBA	Effective Teaching Strategies	BET Sadathunnisa Degree College, Bengaluru	06-07-2020 to 11-07-2020
3.	JALENDIRAN J	EEE	Research Avenues In Electrical Engineering	Karpagam College of Engineering, Coimbatore.	06-07-2020 to 10-07-2020
4.	NANDHAKUMAR S	EEE	Research Avenues in Electrical Engineering	Karpagam College of Engineering, Coimbatore.	06-07-2020 to 10-07-2020
5.	KRISHNAMMAL V P	BME	Research Avenues in Electrical Engineering	Karpagam College of Engineering, Coimbatore.	06-07-2020 to 10-07-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
6.	ARCHANA S	BME	Recent Advances in Biomedical Applications and Communication Networks	GMR Institute of Technology, Kakinada.	13-07-2020 to 18-7-2020
7.	GOWTHAM RAJ M	IT	Evolution of IoT and it's Real Time Applications	Malla Reddy Institute of Technology and Science, Hyderabad.	13-07-2020 to 17-07-2020
8.	ARCHANA S	BME	Recent Trends in Biomedical Application	Karunya Institute of Technology and Sciences, Coimbatore.	13-07-2020 to 17-04-2020
9.	MANIKANDAN M	CSE	Python Programming	Koneru Lakshmaiah Education Foundation, Hyderabad.	15-07-2020 to 18-07-2020
10.	GOWTHAM RAJ M	IT	Python for Data Science	Imarticus Learning.	18-07-2020 to 19-07-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
11.	GOWTHAM RAJ M	IT	Recent Trends and Applications of Next Generation Computing Technologies	Hindusthan Institute of Technology.	20-07-2020 to 24-07-2020
12.	NAGARAJU N	ECE	Techniques and Challenges in Deep Learning for Image Analysis	Sona College of Technology, Salem.	20-07-2020 to 24-07-2020
13.	MAHARAJA M	ECE	Techniques and Challenges in Deep Learning for Image Analysis	Sona College of Technology, Salem.	20-07-2020 to 24-07-2020
14.	SUBHASH J	ECE	Techniques and Challenges in Deep Learning for Image Analysis	Sona College of Technology, Salem.	20-07-2020 to 24-07-2020
15.	VENKATESAN M	ECE	Techniques and Challenges in Deep Learning for Image Analysis	Sona College of Technology, Salem.	20-07-2020 to 24-07-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
16.	ARCHANA S	BME	Simulation and Modeling of Data Communications & Networks	Mahatma Gandhi Institute of Technology, Telangana.	27-07-2020 to 31-07-2020
17.	ARCHANA S	BME	Technologies with Social Relevance	GMR Institute of Technology, Kakinada.	27-07-2020 to 01-08-2020
18.	ARCHANA S	BME	Technologies for Teaching - Learning Pedagogy	GMR Institute of Technology, Kakinada.	06-08-2020 to 09-08-2020
19.	ARCHANA S	BME	Computer Networks Simulation Using NS2	Mahatma Gandhi Institute of Technology, Telangana.	10-08-2020 to 14-08-2020
20.	NANDHAKUMAR S	EEE	Recent Development in Electrical Engineering	Karpagam College of Engineering, Coimbatore.	10-08-2020 to 14-08-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
21.	JENNIFER CHARLES	CHEMICAL	Sustainability Engineering	Gaya College of Engineering, Gaya.	17-08-2020 to 21-08-2020
22.	ARCHANA S	BME	Sub-Micrometer Semiconductor Device to Circuit Co-Design and Modeling Techniques	Dr.B R Ambedkar national Institute of Technology, Jalandhar.	20-08-2020 to 24-08-2020
23.	ARCHANA S	BME	Trends and Advances in Cryptography	Sreenidhi Institute of Science & Engineering, Hyderabad.	24-08-2020 to 28-08-2020
24.	NANDHAKUMAR S	EEE	Cyber Security	St.Joseph's College of Engineering, Chennai.	24-08-2020 to 28-08-2020
25.	GAANAPRIYA V	CHEMICAL	Expanding Horizons of Nanotechnology in Engineering, Medicine and Biotechnology (EHNEMB 2020) Series -1	Coimbatore Institute of Technology,Coimbatore.	24-08-2020 to 29-08-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
26.	NANDHAKUMAR S	EEE	Cyber Security	BMS Institute Of Technology And Management, Bengaluru.	07-09-2020 to 11-09-2020
27.	ARCHANA S	BME	Recent Advancements in Internet of Things for Healthcare Applications	Mount Zion College Of Engineering And Technology, Pudukkottai.	07-09-2020 to 12-09-2020
28.	KANIMOZHIVEENA E	CSE	Digital Teaching Techniques	ICT Academy	07-09-2020 to 12-09-2020
29.	JEEVANATHAM S	CSE	Blockchain Technologies and It's Applications	Sona College of Technology, Salem.	14-09-2020 to 20-09-2020
30.	MANIKANDAN M	CSE	Blockchain Technologies and It's Applications	Sona College of Technology, Salem.	14-09-2020 to 20-09-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
31.	SANTHOSH V	CSE	Blockchain Technologies and It's Applications	Sona College of Technology, Salem.	14-09-2020 to 20-09-2020
32.	ARCHANA S	BME	Expanding Horizons of Nanotechnology in Engineering, Medicine and Biotechnology (EHNEMB 2020) Series -2	Coimbatore Institute of Technology,Coimbatore.	21-09-2020 to 26-09-2020
33.	JENNIFER CHARLES	CHEMICAL	Expanding Horizons of Nanotechnology in Engineering, Medicine and Biotechnology	Coimbatore Institute of Technology,Coimbatore.	21-09-2020 to 26-09-2020
34.	ARCHANA S	BME	Expanding Horizons of Nanotechnology in Engineering, Medicine and Biotechnology (EHNEMB 2020) Series -3	Coimbatore Institute of Technology,Coimbatore.	19-10-2020 to 24-10-2020
35.	SATHISH KUMAR C	BME	Image Processing using MATLAB	Andhra Pradesh State Skill Development Corporation.	02-11-2020 to 06-11-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
36.	RAMESH KUMAR.M	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Dhirajlal Gandhi College of Technology, Salem.	02-11-2020 to 07-11-2020
37.	HARISH KUMAR M	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020
38.	MANIKANDAN M	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020
39.	REGIN R	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020
40.	VIVEKANANDHAN V	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
41.	ARCHANA M	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020
42.	JANANI S	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020
43.	VIDHYALAKSHMI R	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020
44.	YAMINI R	CSE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020
45.	VENKATESH P	ECE	Leveraging the Power of Serverless Computing: Architectural and Economic Impact, Research Challenges and Issues	Kongu Engineering College, Perundurai.	02-11-2020 to 07-11-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
46.	ARCHANA S	BME	Implementation of Medical Image Processing Using Advanced Green Computing Technology	Saveetha Engineering College, Chennai.	04-11-2020 to 07-11-2020
47.	ARCHANA S	BME	30 Days Master Class on MATLAB Simulink	Andhra Pradesh State Skill Development Corporation.	23-11-2020 to 22-12-2020
48.	SATHISH KUMAR C	BME	30 Days Master Class on MATLAB Simulink	Andhra Pradesh State Skill Development Corporation.	23-11-2020 to 22-12-2020
49.	BAGYALAKSHMI N	BME	Digitization in Industrial Automation	Kumaraguru College of Technology, Coimbatore.	07-12-2020 to 12-12-2020
50.	NANDHAKUMAR S	EEE	Cyber Security	National Institute of Technology, Arunachal Pradesh.	07-12-2020 to 11-12-2020

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S. No.	NAME	DEPARTMENT	FDP/STTP	ORGANISED BY	DURATION (FROM – TO) (DD-MM-YYYY)
51.	NANDHAKUMAR S	EEE	Cyber Security	Gandhi Institute of Technology and Management, Bengaluru.	14-12-2020 to 18-12-2020
52.	RAMESH KUMAR M	CSE	Data Analytics and Supporting Services Using Machine Learning	Kongu Engineering College, Perundurai.	14-12-2020 to 19-12-2020
53.	ARCHANA S	BME	Recent Trends in Computational Intelligence for Healthcare Monitoring Systems-III	Bannari Amman Institute of Technology, Sathyamangalam.	14-12-2020 to 19-12-2020
54.	SATHISH KUMAR C	BME	Recent trends in Computational Intelligence for Healthcare Monitoring Systems –III	Bannari Amman Institute of Technology, Sathyamangalam.	14-12-2020 to 19-12-2020
55.	BAGYALAKSHMI N	BME	Recent trends in Computational Intelligence for Healthcare Monitoring Systems –III	Bannari Amman Institute of Technology, Sathyamangalam.	14-12-2020 to 19-12-2020

FUNDED PROJECTS

S. NO.	Name of the Principal Investigator/ Co-investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department of Principal Investigator/ Co-investigator	Year of Award	Funds provided (INR in lakhs)
1.	Dr. T. S. Udhayasuriya	AICTE	Government	Bio Medical Engineering	2020-21	10.75