



ExcelTM

ENGINEERING COLLEGE

(AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

Accredited by NBA (AERO, MECH, CSE & ECE), NAAC (A⁺ Grade - 3.26) and Recognized by UGC (2f & 12B)

Centre for Industrial Relation and Research Projects News Bulletin

Vol. 1; Issue: I; 2022

UG COURSES

B.E. | B.Tech.

- SAFETY AND FIRE ENGINEERING
- AGRICULTURE ENGINEERING
- AERONAUTICAL ENGINEERING
- BIOMEDICAL ENGINEERING
- CIVIL ENGINEERING
- MECHANICAL ENGINEERING
- COMPUTER SCIENCE & ENGINEERING
- ELECTRONICS & COMMUNICATIONS ENGINEERING
- ELECTRICAL & ELECTRONICS ENGINEERING
- FOOD TECHNOLOGY
- INFORMATION TECHNOLOGY
- PETROCHEMICAL TECHNOLOGY
- ARTIFICIAL INTELLIGENCE & DATA SCIENCE
- COMPUTER SCIENCE AND BUSINESS SYSTEMS

Ph.D. (Recognized Research Centres by Anna University)

- * COMPUTER SCIENCE & ENGINEERING
- * ELECTRONICS & COMMUNICATIONS ENGINEERING
- * MECHANICAL ENGINEERING

PG COURSES

M.E. | M.Tech.

- AERONAUTICAL ENGINEERING
- APPLIED ELECTRONICS
- COMPUTER SCIENCE & ENGINEERING
- ENVIRONMENTAL ENGINEERING
- STRUCTURAL ENGINEERING
- THERMAL ENGINEERING
- POWER ELECTRONICS & DRIVES
- EMBEDDED SYSTEM TECHNOLOGIES
- INDUSTRIAL SAFETY ENGINEERING

MBA (INT)

- Master of Business Application (INT)
- 5 years (After +2)

MBA

- Master of Business Application
- 2 years (After Degree)

MCA

- Master of Computer Application
- 2 years (After Degree)



Research & Innovation EXCEL
EXCELLENCE IN PROFESSIONAL EDUCATION

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Innovation involves a novel way of looking at problems and solving them in a befitting manner. It also employs better educative practices as it compels students to use a higher level of thinking to solve complex problems. Research and Development plays a vital role in the innovation process as nothing good comes out without sweating it out. It is essentially an investment in technology and future capabilities which gets transformed into new products, processes, and services. Innovation in education encourages students and teachers to research, explore, and use all the tools available in any part of the world to uncover and employ something new. I earnestly exhort all the faculty members and students to involve themselves in conducting research in their chosen field as well as in interdisciplinary areas of research. And let me assure you all that if you have the will to pursue research and innovative practices, Excel Management will be there behind you to support you in all the ways possible. Wish you good going and happiness at your destination.

- Prof. Dr. A.K. Natesan

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Educational innovations are understood as procedures or methods of educational activity that differ significantly from established practice and norms. They are used to increase the level of efficiency in a competitive environment. Project Design develops a student's ability to work with his or her peers, building teamwork and group skills. It allows the teacher to learn more about the student as a person. It helps the teacher to communicate in progressive and meaningful ways with each and every student with the particular talent he or she possesses. Faculty members as well as students are motivated to get patent for their research project. I appreciate and encourage the teaching fraternity who come forward to take our world forward by solving our social problems using science and technology.

- Dr. N. Mathan Karthick

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Chief Patron:

Rtn. Prof. Dr. A.K. Natesan, Hon'ble Chairman

Patrons :

Dr. N. Mathan Karthick, Vice-Chairman

Mrs. M. Kaviarasi, Director, Excel Public School (CBSE)

Chief Editors:

Dr. K. Bommanna Raja, Principal & Executive Director

Dr. P. Karunakaran, IRRP Chief Coordinator

Editors:

Dr. K. Geetha, R&D Co-ordinator

AERO

Dr. S.P. Venkatesan, Senior Associate Professor
 Dr. D. Devakumar, Professor
 Dr. R. Rajasekar, Professor
 Dr. P. Karunakaran, Professor
 Dr. C. Sivakumar, Professor
 Dr. A. Karthikeyan, Associate Professor
 Dr. M. Gowtham, Assistant Professor

MECH

Dr. N. Natarajan, Professor
 Dr. N. Venkatachallam, Associate Professor
 Dr. K. Boopathy, Associate Professor
 Dr. N. Tamilselvan, Associate Professor
 Dr. R. Vinoth, Associate Professor
 Dr. S. Balakrishnan, Assistant Professor

CSE

Dr. T. Ravichandran, Professor
 Dr. S. Sreethar, Professor
 Dr. K. Geetha, Professor
 Dr. P. Andamuthu, Professor
 Dr. R. Nedunchelian, Professor
 Dr. L. Ashokkumar, Professor
 Dr. A.T. Ravi, Professor
 Dr. P.C. Senthil Mahesh, Associate Professor
 Dr. S. Sasikala, Assistant Professor

ECE

Dr. S. Anbu Karuppusamy, Professor
 Dr. C. Karthikeyini, Professor
 Dr. G. Prakash, Professor
 Dr. N. Nandhagopal, Professor
 Dr. S. Jayapoorani, Professor
 Dr. A. Vasantharaj, Associate Professor
 Dr. S.P. Kesavan, Associate Professor
 Dr. K. Tamilarasi, Associate Professor

CIVIL

Dr. S. Shanmugasundaram, Professor
 Dr. N. Sengottaian, Professor

EEE

Dr. V.S. Arul Murugan, Professor
 Dr. S. Selvaraj, Associate Professor
 Dr. M.R. Mohan Raj, Assistant Professor
 Dr. R. Yuvaraj, Placement officer

FOOD TECHNOLOGY

Dr. P. Muthusamy, Professor
 Dr. M.P. Murugesan, Associate Professor
 Dr. M. Indumathi, Assistant Professor
 Dr. R. Bagya Nisha, Assistant Professor

AGRI

Dr. G. Vijaya Kumar, Associate Professor

BME

Dr. K. Bommanna Raja, Professor
 Dr. B. Balasubramaniam, Professor
 Dr. P. Saroj Kumar Sah, Assistant Professor

PCT

Dr. T. Habeebur Rahman, Assistant Professor
 Dr. A.M. Sakthivel, Assistant Professor

SCIENCE AND HUMANITIES

Dr. N. Prabhu (Physics), Professor
 Dr. S. Ponnusamy (Physics), Assistant Professor
 Dr. G. Ganesh (Physics), Associate Professor
 Dr. R. Kamalam (Chemistry), Associate Professor
 Dr. S. Mohankumar (Maths), Professor
 Dr. S. Kavitha (Maths), Assistant Professor
 Dr. Thomas Mathew (English), Associate Professor
 Dr. Ram Manohar (English), Assistant Professor
 Dr. M. Minaj Silviya (English), Assistant Professor

MBA

Dr. B. Adhinarayanan, Professor

MCA

Dr. S. Gunasekaran, Professor
 Dr. R. Geetha, Associate Professor
 Dr. S. Prakash Kumar, Associate Professor

Galaxy of Departments & Research Supervisors**AERO**

Dr. P. Karunakaran, Professor

MECH

Dr. N. Natarajan, Professor
 Dr. R. Vinoth, Associate Professor

EEE

Dr. V.S. Arul Murugan, Professor

BME

Dr. K. Bommanna Raja, Professor
 Dr. B. Balasubramaniam, Professor
 Dr. G. Prakash, Professor

CSE

Dr. R. Nallusamy, Professor
 Dr. T. Ravichandran, Professor
 Dr. K. Geetha, Professor
 Dr. R. Nedunchelian, Professor

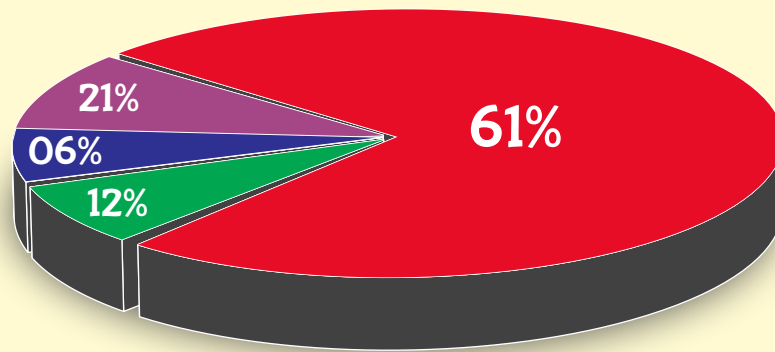
ECE

Dr. S. Anbu Karuppusamy, Professor
 Dr. C. Karthikeyini, Professor
 Dr. N. Nandhagopal, Professor

SCIENCE AND HUMANITIES

Dr. N. Prabhu (Physics), Professor
 Dr. G. Ganesh (Physics), Associate Professor

Faculty with Ph.D. , Supervisor & Faculty Pursuing Ph.D.



■ Total No of Faculty

■ No of Doctorates with Supervisor recognition

■ No of Doctorates

■ No of Faculty Pursuing Ph.D.

MoU with Industry

DEPARTMENT OF AERONAUTICAL ENGINEERING

The Creator Industries
NAZ Institute of Technology
Aurora Institute and Inspection Service
AFI Technology
Matrix NDT Training and Services
Dassault Systems
Ind Lab Equipments

DEPARTMENT OF MECHANICAL ENGINEERING

Nouveaux Industries Pvt. Ltd.
EURO Cast Engineering
SIM InfoSystems Pvt. Ltd.
Sakthi Auto Component Limited.

DEPARTMENT OF AGRICULTURAL ENGINEERING

Irrigation Management Training Institute
Indian Council of Agriculture Research

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Lets ConnectRedHat Linux
Guvi Geek Networks
Chakrika Infotech Solutions
ICTACT Academy
Crypton Tech
Trunk Ventures Pvt. Ltd.

DEPARTMENT OF CIVIL ENGINEERING

Irrigation Management Training Institute
Prayojana Construction Management Training Institute
SK Builders
Sigaram Construction Private Limited
Angle Builders
National Highways Authority of India (NHAI)

DEPARTMENT OF INFORMATION TECHNOLOGY

TechTrunk Ventures Pvt. Ltd.
KNET Solutions
Focus 4-D Career Education Pvt. Ltd.
Talent Sprint
ICTACT Academy
Crypton Tech
Lets connect

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SUNSHIV Electronics
Megatronics
Premier Equipments And Tools
Pilsar
ABE Semiconductor Designs
New Mobile Technologies
Popular Systems
Prayoga Technologies
Caliber Embedded Technology

Centre of Excellences

Hyundai Professional Development Center



BMW Skill Next Program



Ford Education for New Era





AICTE

Department of ECE was organized AICTE Sponsored STTP (Slot I) on “Secure Data Optimization in IoT Using GNU Radio Companion and USRP”. The STTP was organized with the objective of quality improvement in technical field to reach all the academicians and research scholars. Dr. S. Anbu Karuppusamy, HoD/ECE welcomed the gathering and introduced the chief guest. Dr K.Bommanna Raja, Principal presided over the inaugural function. Nearly 75 participants got benefitted. The Vote of thanks was delivered by Dr. N.Nandhagopal, Professor/Department of ECE.

Department of Computer Science and Engineering, was organized an AICTE Sponsored online Short Term Training Program on “Recent Trends In Machine Learning and Big Data Analytics using Python Programming”. Dr.S.Sreethar, Professor / Head-CSE welcomed all the respected dignitaries and participants. Dr.K.Bommanna Raja, has presided over the function and emphasized the change in online teaching learning modes and how faculty must keep them updated with the latest technologies. Dr.R.Nallusamy, Director Administration, Excel Engineering College has felicitated the function and emphasized the benefits of such kind of resourceful activity. Dr. K. Geetha, Professor/CSE, has given introduction to the Chief Guest Dr. N. Uma Maheshwari, Professor, Department of CSE, PSNA College of Engineering and Technology. Chief Guest Dr.N.Uma Maheshwari has given inaugural address. Six subject experts delivered the content in 12 sessions through online mode throughout six days, where 40 participants are benefitted including research scholars, faculties from various academic institutions. At the end of the Programme, valedictory session conducted and Dr.S.Sounthar Rajan, Prof/CSE-VIT Bhopal gave Valedictory address. At last Dr.S.Sreethar, HOD-CSE has given vote of thanks to the subject experts and participants for the smooth conduction of this programme.

AICTE



AICTE

AICTE Sponsored STTP “ on Secure Data Optimization in IoT Using GNU Radio Companion and USRP” was organized with the objective of quality improvement in technical field to reach all the academicians and research scholars. Dr. S. Anbu Karuppusamy, HoD/ECE welcomed the gathering and introduced the chief guest. Dr. K. Bommanna Raja, Principal presided over the inaugural function. Nearly 75 participants get benefitted. In valedictory session the vote of thanks was delivered by Dr A.Vasantharaj, Associate Professor / Department of ECE.

Department of Computer Science and Engineering, organized an AICTE sponsored online Short Term Training Program on “Recent Trends in Machine Learning and Big Data Analytics Using Python Programming” held from 04.1.2021 to 09.1.2021. Dr.S.Sreethar, Professor / Head-CSE welcomed all the respected dignitaries and participants and has given inaugural address. Dr.K.Geetha, Professor/CSE, has given introduction to the Chief Guest Dr.Prabha Selvaraj, Professor, AP-University. Six subject experts were delivered the content in 12 sessions through online mode throughout six days, where 40 participants were benefitted including research scholars and faculties from various academic institutions. Dr.S.Sreethar, HOD-CSE gave vote of thanks to the subject experts and participants for the smooth conduct of the programme.



Department of ECE was Organized AICTE Sponsored STTP (Slot III) on “Secure Data Optimization in IoT Using GNU Radio Companion and USRP”. The STTP was organized with the objective of quality improvement in technical field to reach all the academicians and research scholars. Dr. S. Anbu Karrupusamy, HoD/ECE welcomed the gathering and introduced the chief guest. Dr. K. Bommanna Raja, Principal presided over the inaugural function. Nearly 75 participants get benefitted. The Vote of thanks was delivered by Dr. A.Vasantharaj, Associate Professor / Department of ECE.

Department of Information Technology was Organized ICSSR sponsored Two Days National Seminar On “Multilingualism and Need for Language Diversity in the Rural Education”. The Day 1 (27.02.2020) Dr.T.Vigneshwaran, Founder and chief Executive officer, Nandha Infotech, Coimbatore, gave introduction about Multilingualism and continued with the technologies and languages used in Rural Education. He also covered about the impact of Language Capabilities on Employability Skills. The Day 2 (28.02.2020) Dr. S. Poornachandra, Principal, started his session with the Multilingual Education and how it acts as a Paradigm Shift in Learning Approaches. He also covered about how to empower language supportive pedagogy in rural education along with how to empower non-dominant languages and cultures.



CSIR



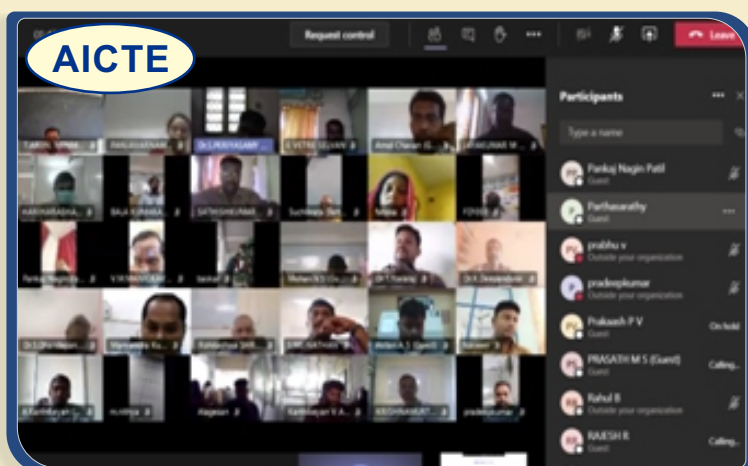
Department of Information Technology was organized CSIR sponsored two days National Workshop on "Big Data Engineering and the Era of Big Spatial Data" The Day 1(20.02.2020) Dr.T.Vigneshwaran, Founder and chief Executive officer, Nandha Infotech, Coimbatore. The Resource person and he handled the session with what is Big Data? Architecture of Big Data, which was then followed by the various topics like Language analysis, Kernel based approaches for Big Data and short glimpses on Optimization of Data Mining in Big Data. Dr.G.Singaravel, Head of the Department, Department of Information Technology, K.S.R. College of

Engineering, Tiruchengode was the resource person for the day 2 (21.2.2020). The session went on with the concepts of Big Spatial Data Frameworks along with the Mining and Analysis of Big Spatial Data. This was then followed by the short briefing on Privacy and Authentication of Big Spatial Data.

The Department of Computer Science and Engineering, has organized Employability Skill development program under AICTE sponsored “Centre for Enrichment of Reserved Category”. Dr.T.Ravichandran, Professor and Head have delivered the Welcome Address followed by Dr.K.Bommanna Raja, Principal, Excel Engineering College and Executive Director, Excel Group Institutions has presided over the function. Dr.R.Nallusamy, Director Administration, Excel Engineering College has felicitated the function. Dr.S.Sreethar, Professor has given introduction to the Chief Guest Mr.G.Somasundaram, Sustainable Practices Head, Five P Ventures Pvt. Ltd., 50 Participants were benefited. In validatory session the vote of thanks was delivered by Dr. K. Geetha, Professor / Department of CSE.



Department of Computer Science and Engineering, Organized The AICTE Training And Learning (ATAL) Academy sponsored 5-Days online Faculty Development Programme on “Blockchain Technology - Future of Cyber Security” from 18.01.2021 to 22.01.2021 in which around 140 participants from different parts of the country participated.



The AICTE Training And Learning (ATAL) Academy sponsored 5-Days online Faculty Development Programme on “Global Challenges in Sustainable Manufacturing using 3D Printing and Design” was organized by the Department of Aeronautical Engineering, from 19.10.2020 to 19.10.2020 in which around 147 participants from different parts of the country were participated.

The Department of Aeronautical Engineering, has organized an AICTE Sponsored Online International Conference on “Materials, Manufacturing, Robotics, Automation, Artificial Intelligence and Networking for Industry 5.0” (ICM RAIN-2021) on 28.01.2021 & 29.01.2021 (2-Days). The conference has organized with keynote lectures from eminent scientists across the world and oral presentations by scientists, academicians, research scholars and students of various aspects in Engineering and Technology.



National Commission for Women (NCW) sponsored National Level “Legal Awareness Programme” has organized by the Department of Mathematics, on 14-03-2020. Dr. V.K. Shaunmuganathan, Director felicitated the gathering and Dr. N.K. Nallakumarasamy, Professor and Head delivered the keynote address. Mrs.O.R.Lalitha, Assistant Professor/Maths delivered the welcome address Mrs. C. Barbara Lydia B.A., B.L, Advocate, Notary Public,Erode, was delivered about Family Law like Marriage and Divorce, Special Marriage Act, 1954, Women and Right to Property. She explained the features of child marriage act, Girl's Marriage age eligibility and Special act on Marriage and Divorce. Mrs.M. Nivedha,

President, Social Activist (Sri Gaura Foundation) (A Non Governmental Organization), Erode, interacted with the participants and tried to know their current level of legal awareness. She explained about the Domestic Violence, Cruelty, Outraging the Modesty of Women. Mrs.S.SathyaPriya M.L., Assistant Professor, The Central Law College, Salem. Delivered about Family, Criminal and Civil Law Judicial separation, Guardianship and Adoption Maintenance, Obscenity and Article 14 state the equal rights for women, Article 15 discriminating against a citizen on grounds of religion, race, caste, sex, place of birth, Article 19 Rights to freedom, Article 21 state fundamental rights for women. Finally Mrs.V.ArulPrabha, Assistant Professor /Maths delivered the vote of thanks.

S.No.	Name of the Faculty	Title of the Paper	Journal Name
Department Of Aeronautical Engineering			
1	Dr.S.P.Venkatesan	Slope stability analysis in open cast mines	International Journal of Engineering Science and Computing
2	G.Velmurugan	Slope stability analysis in open cast mines	International Journal of Engineering Science and Computing
3	Dr.S.P.Venkatesan	Water Mist Technology Fire Suppression System at Ashok Leyland R&D Facility	International Journal of Engineering Science and Computing
4	S.Karthi	Water Mist Technology Fire Suppression System at Ashok Leyland R&D Facility	International Journal of Engineering Science and Computing
5	S.Prabhu	Hazards Identification and Risk Assessment in Foundary	International Journal of Engineering Science and Computing
6	J.Senthil Kumar	Identification and Risk Assessment in Foundary	International Journal of Engineering Science and Computing
7	Dr.S.P.Venkatesan	Deployment of Hse Plan for Subcontract Hse Management	International Journal of Engineering Science and Computing
8	S.Karthi	Deployment of Hse Plan for Subcontract Hse Management	International Journal of Engineering Science and Computing
9	M.G.Rajagopal	Hazard Identification and Risk Assessment in Manufacturing Plant	International Journal of Engineering Science and Computing
10	S.R.Arun	Hazard Identification and Risk Assessment in Manufacturing Plant	International Journal of Engineering Science and Computing
11	K.Vijaybabu	Safety Integrity Level Assessment for Lpg Storage System	International Journal of Engineering Science and Computing
12	G.Velmurugan	Safety Integrity Level Assessment for Lpg Storage System	International Journal of Engineering Science and Computing
13	Dr. P.Karunakaran	Ehs Plan for Contractor, Sub –Contractor, Amc Vendor & Visitor Process Management System In Manufacturing Industry	International Journal of Engineering Science and Computing
14	S.Prashanth	Ehs Plan for Contractor, Sub –Contractor, Amc Vendor & Visitor Process Management System In Manufacturing Industry	International Journal of Engineering Science and Computing
15	Dr. S.P.Venkatesan	Industrial Human Error Analysis for Safely Handling The Oxygen Pipeline	International Journal of Engineering Science and Computing
16	J.Senthil Kumar	Industrial Human Error Analysis for Safely Handling The Oxygen Pipeline	International Journal of Engineering Science and Computing
17	Dr. S.P.Venkatesan	Critical Analysis of Implementation of Safety Measures in Manufacturing Industry and Corrective Measures for Continual Improvement	International Journal of Engineering Science and Computing
18	N.Sreenivasaraja	Critical Analysis of Implementation of Safety Measures in Manufacturing Industry and Corrective Measures for Continual Improvement	International Journal of Engineering Science and Computing
19	K.Vijay Babu	Control Measures and Safety Practises Used for Fly Rock Issues in Mining Due to Blasting	International Journal of Management, Technology and Engineering
20	G.Velmurugan	Control Measures and Safety Practises Used for Fly Rock Issues in Mining Due to Blasting	International Journal of Management, Technology and Engineering
21	S.Balasundaram	Control Measures and Safety Practises Used for Fly Rock Issues in Mining Due to Blasting	International Journal of Management, Technology and Engineering
22	Dr. P.Karunakaran	Quantitative Risk Assessment (Ora) on the Sitting and Storage of Compressed Natural Gas (Cng) Stations	International Journal of Management, Technology and Engineering
23	N.Sreenivasaraja	Quantitative Risk Assessment (Ora) on the Sitting and Storage of Compressed Natural Gas (Cng) Stations	International Journal of Management, Technology and Engineering
24	S.Balasundaram	Quantitative Risk Assessment (Ora) on the Sitting and Storage of Compressed Natural Gas (Cng) Stations	International Journal of Management, Technology and Engineering
25	S.Prasanth	Study of Cell Tower Radiation and It's Health Hazards in Human Body	International Journal of Management, Technology and Engineering

S.No.	Name of the Faculty	Title of the Paper	Journal Name
26	N.Sreenivasaraja	Study of Cell Tower Radiation and It's Health Hazards in Human Body	International Journal of Management, Technology and Engineering
27	S.Balasundaram	Study of Cell Tower Radiation and It's Health Hazards in Human Body	International Journal of Management, Technology and Engineering
28	M.G.Rajagopal	Integration of Fire Safety with Industrial Automation System	International Journal of Management, Technology and Engineering
29	S.R.Arun	Integration of Fire Safety with Industrial Automation System	International Journal of Management, Technology and Engineering
30	D.Vadivel	Integration of Fire Safety with Industrial Automation System	International Journal of Management, Technology and Engineering
31	M.Sanjay	Hazard Identification Risk Assessment and Risk Control of Material Handling Semi-Automatic Hydraulic Elevator	International Journal of Management, Technology and Engineering
32	S.Prasanth	Hazard Identification Risk Assessment and Risk Control of Material Handling Semi-Automatic Hydraulic Elevator	International Journal of Management, Technology and Engineering
33	S.Karthik	Hazard Identification Risk Assessment and Risk Control of Material Handling Semi-Automatic Hydraulic Elevator	International Journal of Management, Technology and Engineering
34	Dr. P.Karunakaran	Incident Analysis and Implementation of Safety Features in Tower Crane in Construction Site.	International Journal of Management, Technology and Engineering
35	N.Sreenivasaraja	Incident Analysis and Implementation of Safety Features in Tower Crane in Construction Site.	International Journal of Management, Technology and Engineering
36	S.Balasundaram	Incident Analysis and Implementation of Safety Features in Tower Crane in Construction Site.	International Journal of Management, Technology and Engineering
37	Dr. A.Karthikeyan	Implementation of Bi-Directional Searching Chemical Reaction Optimization (CRO) Algorithm Towards Achieving Cutting Tool Indexing Time Minimization in Automatic Tool Changer(ATC)	Journal of Engineering Research
38	Dr. A.Karthikeyan	Investigation on Mechanical Properties and Characterization of Microwave Cladded Stainless Steel	Journal of Non-Oxide Glasses
Department Of Civil Engineering		Study on the Behavior of Geopolymer Bricks Under Different Curing Temperatures and Alkaline Solution Concentrations.	International Journal of Applied Engineering Research
39	Mr. S.Sasikumar		
40	Mr. S.Sasikumar	The Environmentally Sustainable Municipal Solid Waste Management – Case Study of Erode (Dt) India.	International Journal of Geological and Geotechnical Engineering
41	Mr. K.Sabarinathan	Empirical research on strength and durability properties of bottom ash for sustainable concrete practice	IOP Conference Series: Materials Science and Engineering
42	Mr. M. Kavin	Investigation of Double Skin Concrete Filled Steel Tube Beams under Cyclic Loading	International Journal of Innovative Research in Science, Engineering and Technology (IJRSET)
43	Mr. P.K. Ranganathan	Investigation of Double Skin Concrete Filled Steel Tube Beams under Cyclic Loading	International Journal of Innovative Research in Science, Engineering and Technology (IJRSET)
44	Mr. S. Arunkumar	Investigation of Double Skin Concrete Filled Steel Tube Beams under Cyclic Loading	International Journal of Innovative Research in Science, Engineering and Technology (IJRSET)
Department of Computer Science and Engineering		Efficient Genetic Algorithm based Image Segmentation using Discrete Wavelet Transformation	Journal of Information and Computational Science
45	Dr. K.Geetha		
46	Dr. K.Geetha	Role of Ag Micro alloying on Glass Forming Ability and Crystallization Kinetics of ZrCoAgAlNi Amorphous Alloy	Chinese Physics B
47	Mr. P.Mohanraj	An Improvement of Software Vulnerability and classification model using Deep Neural Network based on Big Data	International Journal of Advanced Science and Technology
48	Mr. M.Sathiskumar	Improved Irrigation system for Agricultural Environment using Sensors, GSM and Water Meter	International Journal of Engineering Research and Technology
49	Mrs. P.Kumari	A fast feature selection technique in multi modal biometrics	International Journal of Microprocessors and Microsystems
50	A.Sureshkumar	Wireless sensing system for real time breath monitoring activity	International Journal of Advanced Science and Engineering Research

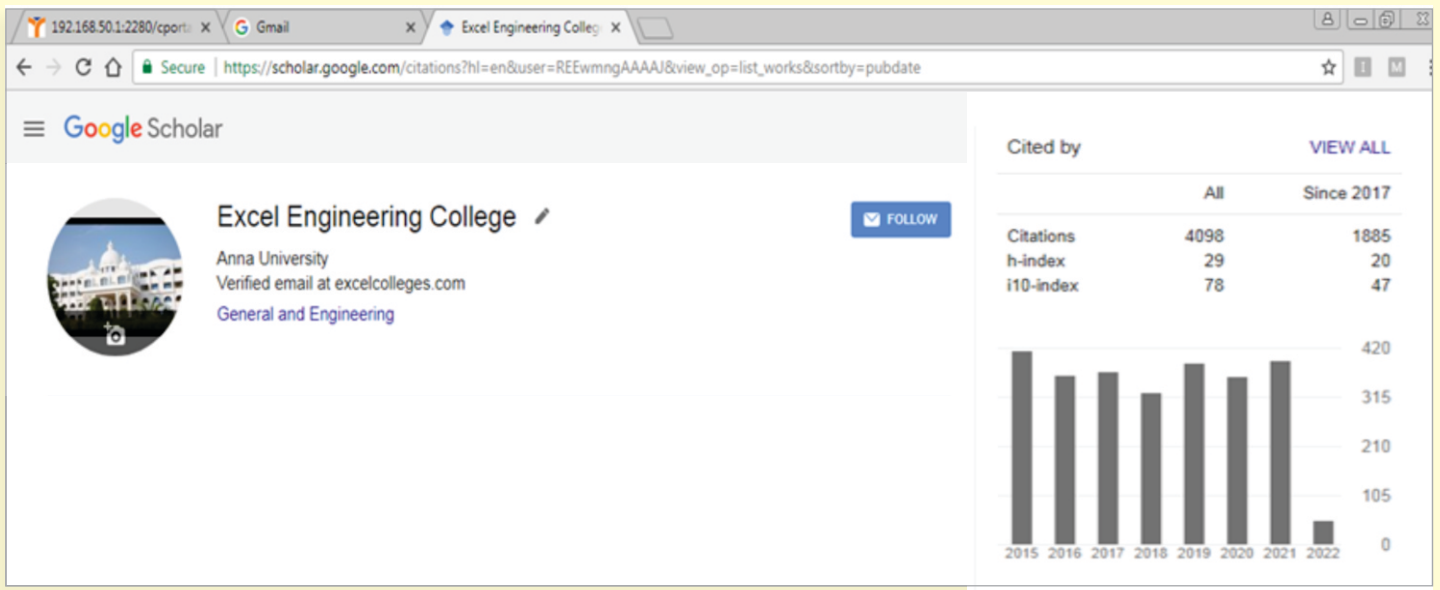
S.No.	Name of the Faculty	Title of the Paper	Journal Name
Department of Electronics and Communication Engineering		Improving energy efficiency in Internet of things using artificial bee colony algorithm	Recent patents on Engineering
51	Dr. S.Anbu Karuppusamy		
52	Dr. S.Anbu Karuppusamy	Fuel consumption and delay aware traffic scheduling in Vanet Environment	Wireless Personal Communications
53	Dr. S.Anbu Karuppusamy	A secured energy efficient data communication using multi objective aware micro macro clustering with packet drop detection for military application in MANETS	Journal of green engineering
54	Dr. S.Anbu Karuppusamy	Load distributed energy efficient clustering based hierarchial routing protocol for military applications	International journal of analytical and experimental modal analysis
55	Dr. C.Karthikeyani	Experience of treating covid-19 with hydroxychloroquine and azithromycin	Turkish journal of physiotherapy and rehabilitation
56	Dr. N.Nandhagopal	Gesture Control Robot using Arduino	International journal of advanced science and technology
57	Dr. N.Nandhagopal	A review on Melanoma skin cancer detection methods	Journal of advanced research in dynamical and control systems
58	Dr. N.Nandhagopal	A New Meta Heuristic Based Segmentation for MRI Image	Journal of Medical Imaging and Health Informatics
59	Dr. N.Nandhagopal	Smart hospitals using sensor technology and Internet of Things	Journal of critical reviews
60	Dr. N.Nandhagopal	Canny edge detection model in MRI Image segmentation using optimized parameter tuning method	Intelligent Automation & Soft ComputingTech science press
61	Dr. N.Nandhagopal	Robust Hybrid Artificial fish swarm simulated Annealing optimization algorithm for secured free scale Networks against Malicious attacks	Computers, Materials & Continua,Tech science press
62	Dr. N.Nandhagopal	Image fusion-The pioneering Technique for real time Image processing Applications	Journal of computational and theoretical Nanoscience
63	Dr. N.Nandhagopal	Human Eye pupil detection system for different IRIS database Images	Journal of computational and theoretical Nanoscience
64	Dr. N.Nandhagopal	RE-pupil resource efficient pupil Detection system using the technique of average black pixel density	Sadhana
65	Dr. N.Nandhagopal Dr. Vasantharaj.A Jeevitha.V.M Ayisha.S	Performance estimation of the combinational circuits sing carbon nanotubes field Effect transistor	International journal of advanced science and technology
66	Dr. N.Nandhagopal Mrs. A.Anitharani Mr. Mubarali	Pupil detection system using Intensity labeling algoritm in FPGA	Journal of computational and theoretical Nanoscience
67	Dr. S.Jayapoorani	Intelligent and user friendly rice grinding machine	Solid state Technology
68	Dr. S.Jayapoorani Dr. G. Prakash	Comparison of Technology-DC plating, Pulse plating and Pulse reverse plating on Printed Circuit Board	Solid state Technology
69	Dr. S.Jayapoorani	Modeling for disaster Monitoring system using wireless sensor networks	Solid state Technology
70	Dr. S.Jayapoorani	Reduction of Tool Wear in Industry Using Micron plating Technique	Solid state Technology
71	Dr. S.Jayapoorani	Analysis of Photovoltaic Array under Various Conditions" Solid State Technology	Solid state Technology
72	Ms. P.Narmatha Ms. S.Theivanayaki	Data Mining and Swarm Intelligence in Healthcare Applications	Journal of computational and theoretical Nanoscience
Department of Food Technology		A Comparative review on Recovery of Heavy metals from Printed Circuit Boards (PCB's) by Chemical and Bio-leaching	Journal of Ceramic Processing Research
73	Dr. M.P. Murugesan		
Department of Information Technology		An Automatic Segmentation of Lung Structure Using Active Contour Model and Fuzzy Clustering Algorithm	International Research Journal on Advanced Science Hub
74	Mr. M.Vadivel		
75	Mrs. E.Annal Sheeba Rani	An Automatic Segmentation of Lung Structure Using Active Contour Model and Fuzzy Clustering Algorithm	International Research Journal on Advanced Science Hub

S.No.	Name of the Faculty	Title of the Paper	Journal Name
Department of Mechanical Engineering			
76	Dr.N.Natarajan	Development of a system to assist in library to automate the book handling Process	Material Science & Engineering
77	Dr.K.Boopathy	Enhancement Approach for the Sugarcane Bark Peeling System	Materials Today-Proceedings (Elsevier)
78	Mr.D.Alagesan	Noise Prevention & Control Aviation Station	Indian Journal for Research in Applied Science & Engineering Technology
79	Mr.D.Alagesan	Human Factors & Ergonomic Studies	Indian Journal for Research in Applied Science & Engineering Technology
80	Mr.N.Tamilselvan	Study on various control strategies of plate type heat exchanger using non-Newton fluids	Journal of Ambient Intelligence humanized and computing
81	Mr.N.Tamilselvan	Heat Transfer Studies on Non-Newtonian Nano Fluids in Plate type of Heat Exchanger and Development of Nusselt Number Correlation	Journal of the Balkan Tribological Association
82	Mr.N.Prithiviraj	Performance analysis of single slope solar still Distillation System	International Research Journal of Engineering & Technology
83	Dr.S.Mohankumar	A Note On Irregular Intuitionistic Fuzzy Line Graph	GIS Science Journal

Patent Publications

S.No.	Department	Name of the Faculty Members	Title of the Patent
1.	ECE	Dr. S.Anbu Karuppusamy	Performance Enhanced server less File system for IOT applications by reducing redundancy
2.		Dr. S.Anbu Karuppusamy	Wireless Mesh Network Life Time Maximization for Machine to Machine Communication
3.		Dr. S.Anbu Karuppusamy Mrs. R.Pushpavathi	Design of an Autonomous Mobile Robot Using Sensor Fusion for Dynamic Interaction
4.		Dr. S.Anbu Karuppusamy Dr. S.Jayapoorani	Genetic Algorithm Based Localization Technique for Indoor wireless Sensor Network
5.		Mrs. A.Anitharani	Organic LED farming using AI for self sustainability during post covid 19
6.		Dr. N.Nandagopal	System and method to enhance the robustness of scale free network in IOT systems using quasi-oppositional artificial flora algorithm
7.		Dr. A.Vasantharaj	IoT Based Smart Vehicle Maintenance using Wireless Sensor Network
8.		Mrs. R.Pushpavathi	Door Handle sanitizer dispenser
9.		Dr. A.Vasantharaj	Novel Architecture for design and evaluation of asynchronous system on chip for VLSI technology
10.	ECE & CSE	Dr. N.Nandagopal Dr. K.Geetha	Localization Algorithm for 5G Ultra Dense Networks (UDN)
11.	Mech	Mr. R.Rajarajan	A Navel Method for Detection of Quality of Apples using Edge Detection
12.			System For Solar Powered Automated Multitasking Robot for Agricultural Applications
13.			A Restricted Elementary Care in the Health Care System with Blockchain Technology
14.			An Improved Belbic Controller for PMLDC Motor Drives Using Emotional Learning Techniques

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