Institution's Innovation Council
News Bulletin

Vol. 2; Issue: I; 2023

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 & Communication 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

M.TECH - CSE
- Master of Coputer Science & Engineering
  - 5 years (After +2)

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

MBA
- Master Of Business Application
  - 2 years (After Degree)

MBA - IEV
- Innovation Entrepreneurship & Venture Development
  - 2 years (After Degree)

MCA
- Master Of Computer Application
  - 2 years (After Degree)

Research & Innovation EXCEL
EXCELLENCE IN PROFESSIONAL EDUCATION

> " 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

> " 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

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, IIC Chief Coordinator

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

AERO

Dr. S.P. Venkatesan, Senior Associate Professor

Dr. P. Karunakaran, Professor

Dr. A. Karthikeyan, Associate Professor

Dr. C. Sivakumar, Associate Professor

Dr. S. Prasanth, Assistant 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. E.R. Sivakumar, Associate Professor

Dr. M. Venkatesan, Assistant Professor

CSE

Dr. P.C. Senthil Mahesh, Associate Professor

Dr. K. Geetha, Professor

Dr. P. Andamuthu, Professor

Dr. R. Nedunchelian, Professor

Dr. L. Ashokkumar, Professor

Dr. A.T. Ravi, Professor

Dr. P. Kumari, Associate Professor

ECE

Dr. S. Anbu Karuppusamy, Professor

Dr. C. Karthikeyini, Professor

Dr. S. Jayapoorani, Professor

Dr. G. Jegajothi, Professor

Dr. K. Tamilarasi, Associate Professor

Dr. A. Vasantharaj, Associate Professor

Dr. P. Narmatha, Assistant Professor

CIVIL

Dr. S. Shanmugasundaram, Professor

Dr. N. Sengottaian, Professor

Dr. P. Loganathan, Assistant Professor

Dr.K.P. Vishalakshi, Assistant Professor

INFORMATION TECHNOLOGY

Dr. M. Vadivel, Associate Professor

Dr. S. Kayalvizhi, Professor

Dr. N. Sundararajalu, Professor

EEE

Dr. V.S. Arul Murugan, Professor

Dr. M.R. Mohan Raj, Assistant Professor

Dr. R. Yuvaraj, Placement officer

Dr. R. Gunasekaran, Assistant Professor

FOOD TECHNOLOGY

Dr. M. Karuppaiya, Professor

Dr. M.P. Murugesan, Associate Professor

AGRI

Dr. G. Vijaya Kumar, Associate Professor

BME

Dr. K. Bommanna Raja, Professor

Dr. B. Balasubramaniam, Professor

Dr. G. Prakash, Professor

Dr. P. Saroj Kumar Sah, Assistant Professor

Dr. A. Sateesh Reddy, Assistant Professor

PCT

Dr. T. Habeebur Rahman, Assistant Professor

Dr. A.M. Sakthivel, Assistant Professor

SCIENCE AND HUMANITIES

Dr. Thomas Mathew (English), Associate Professor

Dr. K. Saravanan (English), Associate Professor

Dr. S.V. Ashokkumar (English), Professor

Dr. Vidhya Rathi (English), Assistant Professor

Dr. N. Prabhu (Physics), Professor

Dr. S. Ponnusamy (Physics), Assistant Professor

Dr. G. Pradeesh (Physics), Assistant Professor

Dr. S. Priyatharshini (Physics), Assistant Professor

Dr. A. Karuppusamy (Physics), Assistant Professor

Dr. K.B. Nagashanmugam (Chemistry), Professor

Dr. R. Rajan (Chemistry), Assistant Professor

Dr. R. Lavanya (Chemistry), Assistant Professor

Dr. P. Sivakumar (Chemistry), Assistant Professor

Dr. S. Mohankumar (Maths), Professor

Dr. S.Kavitha (Maths), Assistant Professor

Dr. P. Sindhu (Maths), Assistant Professor

MBA

Dr. K. Elamvazhithi, Professor

Galaxy of Departments & Research Supervisors

AERO

Dr. P. Karunakaran, Professor

Dr. M. Gowtham, Assistant Professor

Dr. S.P. Venkatesan, Senior Associate Professor

Dr. S. Prasanth, Assistant Professor

MECH

Dr. N. Natarajan, Professor

Dr. R. Vinoth, Associate Professor

Dr. M. Venkatesan, Assistant Professor

EEE

Dr. V.S. Arul Murugan, Professor

INFORMATION TECHNOLOGY

Dr. P. Kayalvizhi, Professor

BME

Dr. K. Bommanna Raja, Professor

Dr. B. Balasubramaniam, Professor

Dr. G. Prakash, Professor

CSE

Dr. K. Geetha, Professor

Dr. R. Nedunchelian, Professor

CIVIL

Dr. P. Loganathan, Assistant Professor

FOOD TECHNOLOGY

Dr. M.P. Murugesan, Associate Professor
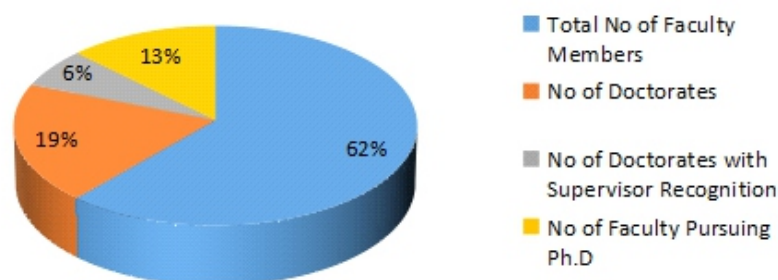
ECE

Dr. S. Anbu Karuppusamy, Professor

Dr. C. Karthikeyini, Professor

Dr. G. Jegajothi, Professor

Dr. A. Vasantharaj, Associate Professor

SCIENCE AND HUMANITIES

Dr. N. Prabhu (Physics), Professor

Dr. S. Ponnusamy (Physics), Assistant Professor

Dr. S. Priyatharshini (Physics), Assistant Professor

Dr. K.B. Nagashanmugam (Chemistry), Professor

Dr. P. Sivakumar (Chemistry), Associate Professor

Dr. R. Lavanya (Chemistry), Assistant Professor

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

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

- 13%
- 6%
- 19%
- 62%

■ Total No of Faculty Members
■ No of Doctorates
■ No of Doctorates with Supervisor Recognition
■ 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, France Ind Lab Equipments
Penta CAD, Salem Six Phrase
Garuda Aerospace

DEPARTMENT OF MECHANICAL ENGINEERING
Wonjin Auto Parts Pvt. Ltd.
We Win Finishing Equipment Pvt. Ltd.
Nouveaux Industries Pvt. Ltd.
EURO Cast Engineering.
SIM InfoSystems Pvt. Ltd.
Sakthi Auto Component Limited.
EpowerX Learning Technologies
DEPARTMENT OF PETROCHMICAL TECHNOLOGY
Hill grove Research Pvt.Ltd

DEPARTMENT OF AGRICULTURAL ENGINEERING
ICAR - Krishi Vigyan
Mobitech Wireless Solution
DEPARTMENT OF BIOMEDICAL ENGINEERING
Andhra Pradesh Medtech Zone

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Lets Connect
RedHat Linux
Guvi Geek Networks
Chakrika Infotech Solutions
ICTACT Academy
Hexaware Technologies Ltd

DEPARTMENT OF CIVIL ENGINEERING
Prayojana Construction Management Training Institute
SK Builders
Sigaram Construction Private Limited
Angle Builders
National Highways Authority of India (NHAI)

DEPARTMENT OF INFORMATION TECHNOLOGY
Nadha Infotech
TechTrunk Ventures Pvt. Ltd.
Six Phrase
KNET Solutions
Talent Sprint
Crypton Tech

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
Premier Equipments And Tools
Pilsar, chennai
Caliber Embedded Technology
ABE Semiconductor Designs
New Mobile Technologies
Popular Systems
Prayoga Technologies
UNIQ Technologies

DEPARTMENT OF ELECTRICAL & ELECTRONIS ENGINEERING
SKY Solar
ALFA Switchgear

DEPARTMENT OF FOOD TECHNOLOGY
Moon Foods Pvt. Ltd
Hill Grove Tea Pvt. Ltd
Maha Food Products Pvt Ltd

Centre of Excellences

Hyundai Professional Development Center

BMW Skill Next Program

Ford Education for New Era

TNSCST

Science and Technology Capacity Building for Industrial Needs

Department of Aeronautical Engineering organized TNSCST Sponsored six days training program on "Science and Technology Capacity Building for Industrial Needs" in two phases during the period, Phase I: 24 .03.2022, 25.03.2022 & 28.03.2022 (3 days) Phase II: 29.03.2022 to 31.03.2022 (3 days).
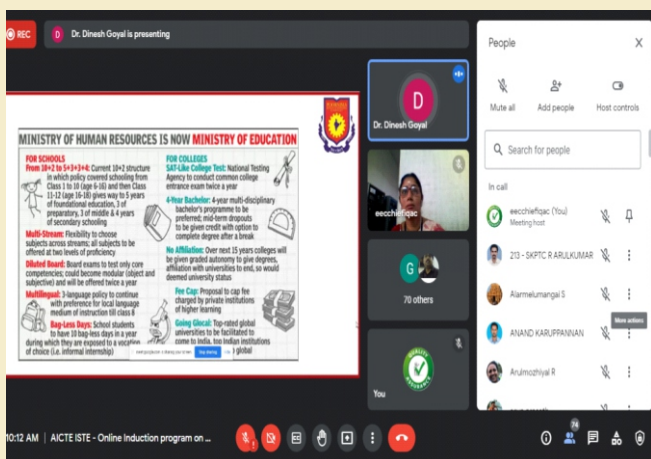
The inaugural function was conducted on 24.03.2022 at 10.00 am. Dr. P. Karunakaran, Program coordinator welcomed the chief guest and participants.

The chief guest Mr.R.Premanand, Vice President, Jai Ho Entrepreneur Academy Pvt. Ltd., Pondicherry delivered the inaugural address for the program. Dr.N.Mathan Karthick, Vice Chairman, Excel Group Institutions delivered special address and Dr.K.Bommanna Raja, Principal delivered the Presidential Address. This program was exclusively designed for the Final year Engineering and Diploma Students located in and around Komarapalayam. No registration fee for participants. The Industry, Banking, HR Executives and Academicians are invited as resource persons to deliver lectures about today's industrial needs. The training will be very beneficial to the young budding engineers to enrich their knowledge and carry out their career growth in a successful manner. There are 164 participants for phase I and 153 participants for phase II totally 317 participants were participated and benefited.

The valedictory function was conducted on 31.03.2022 AN. Dr.S.Jaishankar, Project Officer-Tamil Nadu, EDII, Ahmadabad delivered the valedictory address and TNSCST authorized participation certificates are distributed to all the participants. Finally Dr.S.Balakrishnan, EDC Coordinator delivered vote of thanks.

AICTE

AICTE –ISTE sponsored Refresher/Induction Programme on Hybrid Learning for Education 5.0

Department of Electronics and Communication Engineering organized an AICTE-ISTE Sponsored Online six days Refresher/ Induction program on "Hybrid Learning for Education 5.0". The Induction program was organized with objective of providing exposure to the latest trends in Hybrid Learning for the education. Dr.C.Karthikeyini, Coordinator of the programme welcomed the dignitaries and participants. Dr.K.Bommanna Raja, Principal, Excel Engineering College highlight the importance of "Hybrid Learning for Education 5.0".

The chief guest of the inauguration session, Dr.Ranjit Sawant, Chairman, ISTE, Maharashtra, Goa Section, Former secretary narrated the activities of ISTE in higher education and quality educational policy. Nearly 73 participants actively participated in all the sessions.

The final day of the program, Dr.Muruganantham Ponnusamy, Deputy Registrar, Indian Institute of Information Technology (IIIT), Kalyani, West Bengal delivered his speech on "Advanced Technology in Effective Teaching" with more interactions followed by the session on "Stress Management" by Dr. J. Simon Arun Barathkumar, Director, Center for Teaching and Learning, Excel Group Institutions Namakkal. Dr.S.Anbu Karuppusamy, HoD/ECE delivered the valedictory address. Dr.C.Karthikeyini, Coordinator delivered vote of thanks.

Smart India Hackathon 2022
(Nodal Centre for Junior Edition)

Smart India Hackathon (SIH) is a nationwide initiative by Ministry of Education's Innovation Cell to provide students a platform to solve the pressing problems of the government, ministries, departments, industries and other organizations. SIH has been acclaimed as the world's biggest open innovation model and it inculcates the culture of product innovation and problem-solving among students. This year Smart India Hackathon - Junior has also been introduced for school students to build a culture of Innovation and problem-solving attitude at the school level.

Each year Smart India Hackathon is conducted at various nodal centers, where selected student teams, industry representatives, design mentors, and evaluators travel to the assigned physical centers. The Premier and prominent higher educational institutes / incubators are identified as nodal centers by the Ministry of Education's Innovation Cell and All India Council for Technical Education in different cities.

For the said purpose, Excel Engineering College (Autonomous) was selected as one of the nodal center to facilitate the Smart India Hackathon Junior edition. In Excel Engineering College (Autonomous) Total 46 teams having 200 participants competing given problem statement.

Smart India Hackathon 2022 (Software Edition)

எக்ஸல் பொறியியல் கல்லூரியில் மென்பொருள் கண்டறியும் போட்டி

குமாரபாளையம் எக்ஸல் பொறியியல் கல்லூரியில் நடைபெற்ற

குமாரபாளையம் எக்ஸல் பொறியியல் கல்லூரியில் (தன்னாட்சி) ஸ்மார்ட் இந்தியா ஹேக்கத்தான் -2022 தொடக்க விழா நடைபெற்றது.

எக்ஸல் பொறியியல் கல்லூரியில்

ஸ்மார்ட் இந்தியா
ஹேக்கத்தான் 2022 தொடக்கம்

Smart India Hackathon (SIH) is a nationwide initiative by Ministry of Education's Innovation Cell to provide students a platform to solve the pressing problems of the government, ministries, departments, industries and other organizations.

As part of Azadi ka Amrit Mahotsav celebrations, the Ministry of Education's Innovation Cell and All India Council for Technical Education has identified 75 higher educational institutes / incubators as Smart India Hackathon nodal centers to host the participant of SIH and facilitate an environment to conduct the Smart India Hackathon in its well defined and established format. Hon'ble Prime Minister of India interacted with the student participants of the Smart India Hackathon . Smart India Hackathon 2020 is jointly organized by Ministry of Education's Innovation Cell, All India Council for Technical Education, Persistent Systems, and i4c. Doordarshan and All India Radio are the media partners of the Smart India Hackathon 2022. Shell and AWS are the sponsoring partners of the Smart India Hackathon 2022.

For the said purpose, Excel Engineering College (Autonomous) was selected as one of the nodal center to facilitate the Smart India Hackathon Software edition. Total 29 teams having 174 participants are competing against 7 problem statement from 2 Ministries. Excel Engineering College (Autonomous) is hosting problem statements given by National Digital Education Architecture and Department of School Education & Literacy. Each Problem statement has a winning amount of Rs 1 lakh. Under the student innovation category five prizes of Rs. 1 lakh, provided to the Winners .

TNSCST
State Level Student Projects
Seminar cum Exhibition (TNSCST)

The Excel Engineering College and Tamil Nadu State Council for Science and Technology (TNSCST) jointly organized 2 days state level student projects seminar cum exhibition on 25 & 26 November 2022.

The inaugural function conducted on 25.11.2022 at 10.00 am. Dr.M.Mathiventhan, Minister for Tourism and Tourism Development Corporation, Tamil Nadu is the Chief Guest. Shri. K.R.N. Rajeshkumar, Member of Parliament, Government of India is the Guest of Honor has delivered the inaugural address for the program. Dr.N.Mathan Karthick, Vice Chairman, Excel Group Institutions delivered a special address and Dr.K.Bommanna Raja, Principal delivered the Presidential Address.

There are 1070 project batches that have been shortlisted and funded in the academic year 2021-22. All the project batch students were called for this two days State Level Student Projects Seminar Cum Exhibition by Tamilnadu State Council for Science and Technology, Government of Tamilnadu, Directorate of Technical Education Campus, Chennai – 600 025.

About 1500 students participated with their faculty members, parents and batch students in the Seminar and 200 projects were exhibited.

The visitors like Industrialists, faculty members, publics, school and college students from various places of Tamilnadu visited the exhibition and got benefited. All the presented and exhibited projects were evaluated with respect to their domain with the help of respective demine experts and two best project presentations/ exhibits were selected from each domain and awarded prize and certificates to them for appreciation. Participation certificates were provided to all the participants.

SERB

SERB Sponsored workshop on Millet challenges in design and development of innovative solutions to enhance the shelf life of the products

Department of Food Technology organized SERB Sponsored workshop on "Millet challenges in design and development of innovative solutions to enhance the shelf life of the products "on 20th and 21st April. Organizing Secretary Dr. M. P. Murugesan welcomed all the dignitaries and participants. Followed by a lighting of Kuthuvilakku then followed by Dr. C. Karthikeyini, Director-Academic, Excel Engineering College, presided over the function and emphasized the importance of research and product development of millet-based value added products, innovation for start-ups and entrepreneurs.

Mr. P. Nallasamy, Assistant Professor/Food Technology, introduced the Chief Guest, Dr.S.Shanmugasundaram, Registrar (i/c), National Institute of Food Technology, Entrepreneurship and Management - (NIFTEM-T) India. After the introduction his insightful address on "Advances in Food Processing Engineering, Unit Operations in Food Processing and Development" which inspired the participants for self-development in career and lifestyle through entrepreneurship. Also, Dr. E. Madhavan, Managing Director, Maha Food Products Manufacturing, Paiyur Group of Companies, Krishnagiri, Tamil Nadu, delivered an expert address on the topic "Development of Value Addition Technologies in Millet and Grain Processing Equipment.

On 21st April, Dr. K. Senthil Kumar, Associate Professor of Chemical Engineering, Kongu College of Engineering delivered a keynote address on "Health Benefits of Flagged Millets and Grains. In addition to that afternoon session Dr.N.Sivarajasekhar, Assistant Professor, Kumaraguru College of Technology, addressed the topic "Global Demand for Millets and Cereals.

At the end of the ceremony, the Director Admin Excel Engineering College, Dr.S.Anbu Karupusamy encouraged the students who participated in the workshop. Head of Department Dr. Karuppaiya and Assistant Professors Raja, Rajesh, Nalaswamy, Tharani, Kavya, Ramya were present. Finally, Dr. M.P. Murugesan delivered vote of thanks.

Publications in Journals

S.No.	Name of the Faculty	Title of the Paper	Name of The Journal
Department of Aeronautical Engineering			
01	Dr. P. Karunakaran	Technological Innovation for Noise Reduction in Turbo fan and Airframes	Journal of Emerging Technologies and Innovtaion Research (JETIR)
02	M.G. Rajagopal	Conceptual Design of Super - Scoper Fire - fighting Aircraft with Virtual Reality System	International Jornal of Research in Engineering and Science
03	Dr. P. Karunakaran	Conceptual design of 13 - seater STOVL aircraft for rural air mobility in Nepal VAAYU YANN	International Journal for research in applied science and engineering technology
Department of Computer Science and Engineering			
04	Dr. S. Sreethar	SARC: Search and rescue optimization-based coding scheme for channel fault to lerance in wireless network	Wireless Networks
05	Dr. S. Sreethar	A Group Teaching Optimization Algorithm for Priority-Based Resource Allocation in Wireless Network	Wireless Personal Communication
06	Dr. K. Geetha	An Optimized Data Replication Algorithm in Mobile Edge Computing Systems to Reduce Latency in Internet of things	Hybrid Intelligent Systems
07	Dr. P.C. Senthil Mahesh	Novel dynamic K-modes clustering of categorical and non categorical dataset with optimized genetic algorithm based feature selection	Multimedia Tools and Application
08	Dr. P.C. Senthil Mahesh	Automated service assistances to the visually impaired people using android application	World Journal of Engineering
09	Dr. R. Nedunchelian	Designof Optimal bidirectional long short term memory based predictive analysis and severity estimation model for diabetes Mellitus	International Journal of Information Technology
10	Dr. A. Sureshkumar	Customer segmentation in intelligent learning mechanism in E-banking using Frequent Item-set Hierarchical Clustering	Turkish Online Journal of Qualitative Inquiry
11	Dr. M. Sathishkumar	Noval Approach of Finding Abnormalities in Brain Through Interaction Patterns	Design Engineering
12	Dr. A. Periyasamy	Noval Approach of Finding Abnormalities in Brain Through Interaction Patterns	Design Engineering
13	Mrs. P. Kumari	Optimized Delbpa Algorithm For Binary Pattern Biometric Key Authentication In Cloud Data Production	Dynamic Systems and Applications, Dynamic Publishers
14	Mr. E. Deepankumar	Natural Object Categorization Using Artificial Neural Network	Inernational Journal of Novel Research and Development
15	Mr. V. Surendhiran	Natural Object Categorization Using Artificial Neural Network	Inernational Journal of Novel Research and Development
16	Mr. M. Sathishkumar	Natural Object Categorization Using Artificial Neural Network	Inernational Journal of Novel Research and Development
17	Mr. A. Periyasamy	Natural Object Categorization Using Artificial Neural Network	Inernational Journal of Novel Research and Development
18	Dr. S. Sasikala	Tri Feature Streaming Approximation Based Random Placement and Location Selection for Marcro Cells Units for Improved Data Rate in 5G - SDN Networks	Inernational Journal of Novel Research and Development
19	Mrs. S.L.Swarna	Tri Feature Streaming Approximation Based Random Placement and Location Selection for Marcro Cells Units for Improved Data Rate in 5G - SDN Networks	Inernational Journal of Novel Research and Development
20	Mrs. S.D. Kokila	Tri Feature Streaming Approximation Based Random Placement and Location Selection for Marcro Cells Units for Improved Data Rate in 5G - SDN Networks	Inernational Journal of Novel Research and Development
Department of Electronics and Communication Engineering			
21	Dr.S. Anbukaruppusamy Dr.N. Nadhagopal	SARC: Search and rescue optimization-based coding scheme for channel fault to lerance in wireless network	Wireless networks

S.No.	Name of the Faculty	Title of the Paper	Name of The Journal
22	Dr.S. Anbukaruppusamy Dr.N.Nandhagopal	A group Teaching Optimization Algorithm for Priority-Based Resource Allocation in Wireless Networks	Wireless Personal Communication
23	Dr.N.Nandhagopal	RE-PUPIL: resource efficient pupil detection system using the technique of average black pixel density	Indian Academy of Sciences, Sadhana, Springer
24	Dr.N.Nandhagopal	Trust Management-Based Service Recovery and Attack Prevention in MANET	Intelligent Automation & Soft Computing , Tech Science Press
25	Dr.N.Nandhagopal	An Enhanced Memetic Algorithm for Feature Selection in Big Data Analytics with MapReduce	Intelligent Automation & Soft Computing, Tech Science Press
26	Dr.N.Nandhagopal	Classification Similarity Network Model for Image Fusion Using Resnet50 and GoogLeNet	Intelligent Automation & Soft Computing, Tech Science Press
27	Dr.N.Nandhagopal	A critical examination using wireless sensor network for SOS attack for online data	Design Engineering
28	Dr.A.Vasntharaj	Automated Brain Imaging Diagnosis and classification model using rat swarm optimization with deep learning based capsule network	International journal of image and graphics
29	Dr.A.Vasntharaj	Development of the vlsi design network cryptographic framework for bio energy saving smart IoT device according to the environment	International journal of biology, pharmacy and allied sciences
30	Dr.A.Vasntharaj	IoT smart sensing device for sensitive nanoclusters modifications in sensing properties	International journal of biology, pharmacy and allied sciences
31	Dr.S.Anbukaruppusamy	Greedy weight matrix topologicaladaptive AdHoc on – demand multipath distance vector protocol for QOS improvement in MANET	Wireless Personal Communication
32	Dr.S.Anbukaruppusamy	Forest fire rediction using IoT and Deep learning	International journal of advanced technology and engineering Exploration

Department of Mechanical Engineering

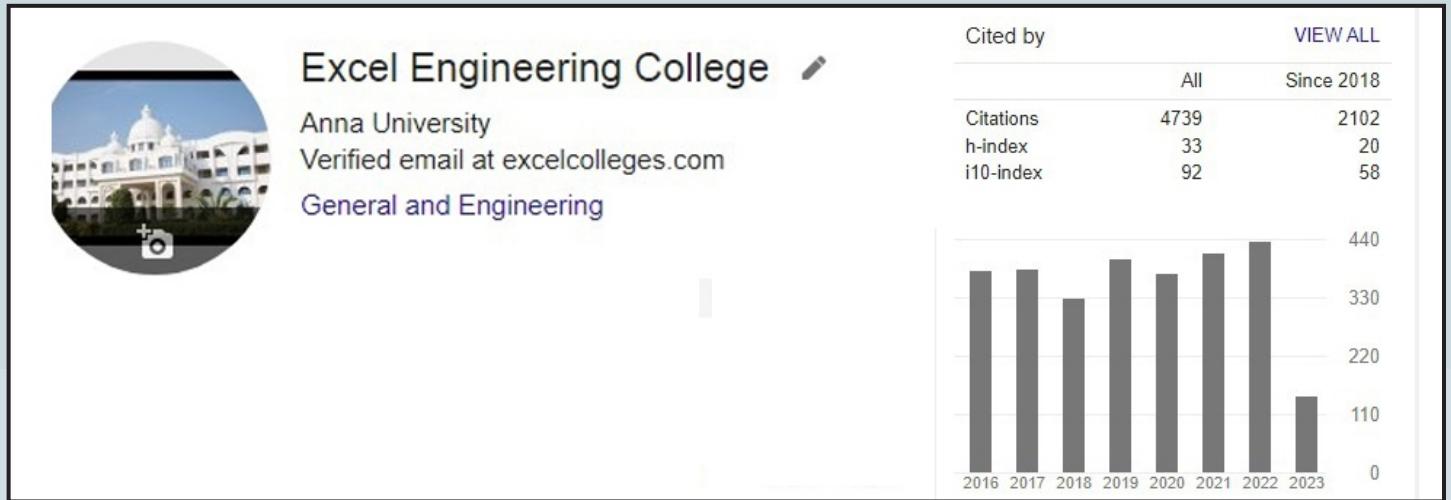| S.No.	Name of the Faculty	Title of the Paper	Name of The Journal
33	Dr.S. Balakrishnan	Development of a new improved structural integrity assessment correlation for throughwall axially cracked 90∘ shape imperfect pipe bends under in-plane opening bending moment	Elsevier-International Journal of Pressure Vessels and Piping
34	Dr. R. Vinoth	Flow and heat transfer behavior of hybrid nanofluid through microchannel with two different channels	Elsevier- International Communications in Heat and Mass Transfer
35	Dr. R. Vinoth	Role of non metallic Nano additive in the behavior of a diesel engine fueled with blends of Waste plastic oil	IOP Conference Series: Materials Science and Engineering
36	Dr. R. Vinoth	Study on the heat transfer characteristics of Al2O3-CuO/Water hybrid nanofluids in a shell and rotating wavy tube heat exchanger	IOP Conference Series: Materials Science and Engineering
37	Mr.V. Karthikeyan, Mr.M. Sambathkumar, Mr.K. Arulkumar	Design and Performance Analysis of Air Pre heater for Water Tube Boiler to improve its Efficiency	International Journal of Scientific Research in Science, Engineering and Technology
38	Mr.V. Karthikeyan, Mr.M. Sambathkumar, Mr.K. Boopathy	Device and Exploration of Micro Hydro Energy Storage Systems	International Journal of Creative Research Thoughts (IJCRT)
39	Mr. A.Karthikeyan	Implementation of bi-directional searching Chemical Reaction Optimizations(CRO) algorithm towards achieving cutting tool indexing time minimization in Automatic Tool Changer (ATR)	Journal of Engg. Research
40	Mr.N.Selvakumar, Mr.T.M. Sakthi Muruga, Mr.S. Ganapathy, Mr.K. Arul Kumar	Exploration of Tensile,Flexuraland Chemical Inertness Properties of Sisal fibre Reinforced Polymer Composites-Surface Analysis	International Journal of Scientific Research in Science, Engineering and Technology
41	Mr.S. Ganapathy, Mr.P.Ravi kumar, Mr.R.Surenderan	Experimental Analysis of Shell and Tube Heat Exchanger with circular Fin by using Compatible Liquids	International Journal of Scientific Research in Science, Engineering and Technology
42	Dr. R. Vinoth	Environmental impact on the use of diesel waste plastic oil nano-addidive blends in a DI diesel engine	International Journal of Nano technology

S.No.	Name of the Faculty	Title of the Paper	Name of The Journal
Department of Food Technology			
43	Dr. M.P. Murugesan	Clay mineral Effects of copper reclamation from Leached solution	Indian Journal of Chemical Technology
44	Dr. M.P. Murugesan	Toxic Metal Recovery from Waste Printed Circuit Boards: A review of Advanced approaches for Sustainable Treatment Methodology	Chemical Industry & Chemical Engineering Quarterly
45	Dr. M.P. Murugesan	Two phase leaching for metal recovery from waste Printed circuit boards: Statistical optimization	Advances materials Science and Engineering
46	Dr. M.P. Murugesan	A Comparative review on Recovery of Heavy metals from Printed Circuit Boards (PCB's) by Chemical and Bio-leaching	Journal of Ceramic Processing Research
47	Dr. M.P. Murugesan	A Review on ECG -Signal Classification of Scalogram Snap shots the use of Convolutional Neural Network and Continuous Wavelet Transform, International Research J ournal of Engineering and Technology (IRJET)	International Research Journal of Engineering and Technology (IRJET)
48	Dr. P. Muthusamy	Biosorption of Nickel from Metal Finishing Effluent Using Lichen Parmotrema tinctorum Biomass	springer water air soil pollut
49	Dr. M.P. Murugesan	Clay mineral Effects of copper reclamation from Leached solution	Indian Journal of Chemical Technology
50	Mr.N.Naveen	Novel Approach of Finding Abnormalities in Brain Through Interaction Patterns	International Journal of Design Engineering
51	Mr.M. Vadivel	Design and Development of 3D Brain MRI System Using Deep Neural Networks	International Journal of Medical Imaging and Health Informatics

Patent Publications

S.No.	Department	Name of the Faculty Members	Title of the Patent
1.	CSE	Dr.S.Sreethar	IOT and Cloud Based Energy Harvesting Technique For Rail By Using Zigbee Communication
2.		Mrs.V.Ramya	Analysis and monitoring of Network Traffic using Deep Learning Techniques
3.	ECE	V.Arun Antony	Genetic Algorithm Based Localization Technique for Indoor wireless Sensor Network
4.			New Technology To Prevent CPU Overheating
5.		Ms.R.Preethi	An Image Processing Based Technique to help HR Predict the Pulse of Working Environment
6.		Mrs.A.Anitha Rani	Precision Analysis of Digital Agriculture
7.		Dr.K.Tamilarasi	Performance And Accuracy Analysis Of Signature Verification Using Integer Wavelet Transform And Back Propagation Neural Network
8.		Mrs .M.Ramya	Machine Learning based Approach to identify the postive traits of a Successful Entrepreneur
9.	EEE	Dr.Arulmurugan	Sustainable Tree Based Smart Power Generation System
10.			Smart Health Monitoring System Enabled Smar Grid Using Machine Learning AI

Google Citation

Citations	4739
h-index	33
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