Second Issue

GOVERNMENT
COLLEGE OF ENGINEERING

Dharmapuri

INSPIRED

BY WORK

Jan '21 – Apr '22

ANNUAL NEWSLETTER

ACADEMIC DEPARTMENTS

Computer Science

Civil

Electrical and Electronics

Electronics and Communications

Mechanical

Science and Humanities

GOVERNMENT COLLEGE OF ENGINEERING DHARMAPURI

GCE NEWSLETTER

I am happy that, GCE, Dharmapuri is releasing its second newsletter. It presents the performance of students and faculty members of all Departments.

I appreciate the faculty and student team for their effort in bringing out this newsletter. I am sure as a New Institution GCE, Dharmapuri can strengthen its service to the students community further in future.

- Dr.V.Sumathy
(PRINCIPAL)

To start, I am grateful for the opportunity to continue working in a role where I can collaborate with all the departments in GCE, Dharmapuri, across the college and the student community. We serve, to continue to meet our Academic plan, Future growth and college's vision and mission. I have seen the progress made by the efforts of our faculty, it is promising and motivating.

Aristotle has rightly said, "Educating the mind without educating the heart is no education at all". GCE, Dharmapuri deeply committed to the holistic development of the personality of the students, taking care of their mind and body and molding them into strong, responsible and reliable citizens of the nation.

The motive of this newsletter is to present and document the overall progress achieved by our students, as well as the rigorous efforts done by the teachers of our Institution towards the mission of Nation building. I wish the faculties, staff, and students all success appreciate the effort taken by the editorial board.

- Dr. V. Rajkumar
(VICE-PRINCIPAL)
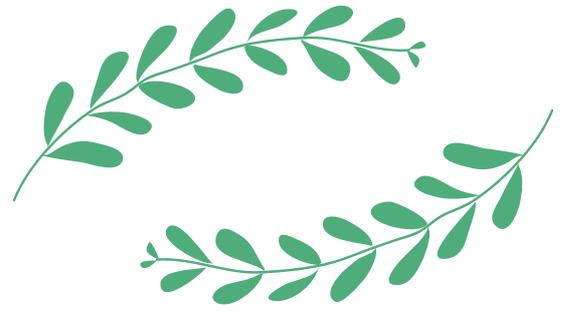
EDITORIAL BOARD:

75 YEARS OF INDIA'S INDEPENDENCE

This is in reference to the notification issued by the Ministry of Education and by the Ministry of Information and Broadcasting regarding the celebrations of 75 years of India's Independence- "Azadi Ka Amrut Mahotsav". The celebrations which commenced 75 weeks prior to the Independence Day 2022 would continue up to 15th August 2023. Hon'ble Prime Minister inaugurated the year-long celebrations from Gujarat on 12th March 2021, which also marks the 91st anniversary of the historic Salt Satyagraha led by Mahatma Gandhi.

Henceforth, all the educational institutions have been advised to celebrate 'Azadi Ka Amrut Mahotsav' by organizing plethora of events conference, seminar, symposium, essay competition and related activities and events in their respective campuses as part of the year-long celebrations. In light of the above events, Government College of Engineering-Dharmapuri commenced celebrations of 75 years of India's Independence "Azadi ka Amrut Mahotsav" from 2 November 2021 onwards at 11.00 a.m. with plantation of saplings.

The following events were conducted successfully namely: Plantation of Saplings, Poetry writing, Blood Donation Camp, Quiz, Rangoli, Speech and Slogan Writing competitions and A Six-day program on 'Science and technology Capacity Building for Industrial Needs.' In addition to it, eight more programs have been scheduled to be conducted in the academic year 2021-2022.

In this context, students are motivated to participate in various offline and online activities/events to celebrate the landmark achievements.

The festival of 75 years of independence should be such that the spirit of the freedom struggle, a tribute to the martyrs and a pledge and resolve to build India of their dreams could be experienced. The series of events organized to commemorate the 75th anniversary of India's independence is based on public participation and revolve around five themes: (i) the freedom struggle, (ii) ideas, (iii) achievements, (iv) actions and (v) resolve at 75. The college will also have a dedicated section on the website for 'Azadi Ka Amrut Mahotsav' and put all the notices and matters pertaining to the Mahotsav in this section.

YRC & RED RIBBON CLUB

Youth Red Cross and Red Ribbon club units of our college involved in many humanitarian activities. Some of the regular activities organized by YRC & RRC units include Blood Donation camp, Personality, Tree plantation, Orientation programs, Campus cleaning program, and eye checkup camp etc. As a part of annual YRC & RRC activities "One day Blood Donation Camp" was organized for students and staff members of our college in association with Government Medical College and Hospital Blood Bank, Dharmapuri on 13.12.2021 @ Dr. A.P. J. Abdul Kalam Auditorium. A total of 71 units was donated by our students and staff members.

AWARENESS PROGRAM

Drug Addition and Raging awareness program was conducted on 05.04.2022. **Nawaz**, *Inspector of Police*, *B1 police station* Dharmapuri was invited to spread awareness

INDUCTION PROGRAMME FOR I YEAR

A ten day induction programme was conducted via online for the first year students from 08.11.2021 to 19.11.2021. Purpose of student induction programme is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and the culture of the institution, help them build bonds with the other students and faculty members, and expose them to sense of larger purpose and self exploration

COMPUTER

SCIENCE

Computer Science and
Engineering opens the door
to the digital and online
world, in business,
economy, day-to-day work,
entertainment and all other
spheres of modern day
activities and it is the vision
of the Department to create
engineers who will impact
these fields.
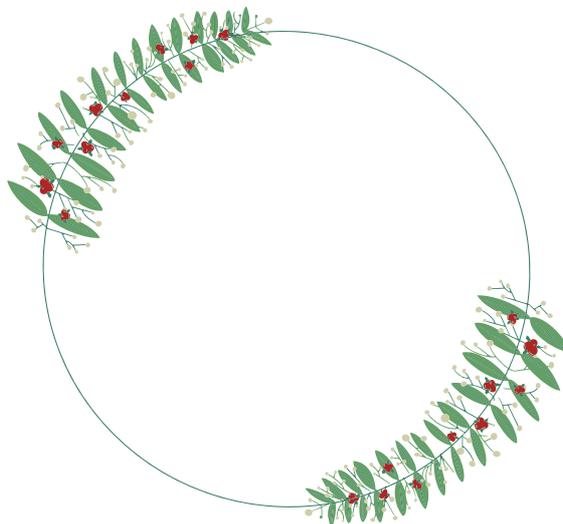
I'M GETTING
TIRED AND,
FRANKLY,
IT'S ABOUT
TIME I TALK
ABOUT IT.

PLACEMENTS

NEW ENTRY IN THE CLUB !!!

The Process of connecting the selected person and the employer in order to establish an ongoing employment relationship

Cognizant Technology Solutions Pvt Ltd hired *19 students* and offered them a compensation package.

Ramco Systems hired *10 students.*

HCL hired *4 students* with an attractive salary package.

Infosys hired *two students.*

TCS hired *one student.*

Two students got placed in EMSI Burning Glass and Econ Systems.

Four students attended internship in *ZOHO.*

Put your mugs back on the self in a certain way.

ACHIEVEMENTS & AWARDS

Manoj P of CSE IV year got through GATE 2022 and his GATE score is *267.*

A number of *22 students* enrolled for ILETS, TOFEL, GRE and Foreign languages.

On 29.11.21 NDLI Club of GCE, Dharmapuri conducted general knowledge quiz. A number of 123 students participated in this event.

PROGRAMMES

CLUB ACTIVITES

HARDWARE PINNACLE CLUB

It was started to enhance the hardware knowledge of the students.

Activity leads to Productivity

ALUMNI

An alumni meeting was held on 24.10.21. Mr.S.Divagar Sivakumar, Assistant Engineer was invited as a Chief guest.

ZEN FEST

An intra-departmental event titled "Zen Fest" was conducted on 23.12.2021 for the students to exhibit team and individual skills.

Faculty Achievements

JOTHI B
(Assistant Professor)

Participated in a Webinar on "Oracle Academy Virtual Girls on ICT Day 2021 22.04.2021 organized by Oracle Academy

Completed a Course on "Oracle Academy Data Visualization Bytes" on 23.04.2021 organized by Oracle Academy

Participated in AI for India Event (Guinness World Records) on Build a Face Recognition Application using Python on 24.04.2021 organized by GUVI Geek Network Pvt Ltd & AICTE

Completed two weeks FDP on "Trends and Challenges in Machine Learning & Deep Learning" organized by Easwari Engineering College, Chennai from 10.05.2021 to 21.05.2021

Completed two weeks online FDP on ANDROID APP DEVELOPMENT USING JAVA organized by Electronics & ICT Academy at IIT Guwahati from 23.10.2021 to 01.11.2021

Completed two weeks Industrial Training in Network Engineering at BSNL Trichy from 15.12.2021 to 28.12.2021

Completed two weeks Online FDP on "Research Trends in Wireless Sensor Networks" at NIT, Trichy sponsored by Ministry of Electronics and Information Technology (MeitY) GoI organized by E&ICT Academy, NIT Warangal from 07.03.2022 to 16.03.2022.

Acted as Resource person for providing "C Programming" training to Final Year Students at Government College of Engineering, Dharmapuri from 22.11.2021 to 21.11.2021

Organized Government College of Engineering, Dharmapuri NDLI Club events from 20.04.2022 to 30.04.2022

Presented a paper on the title "A Study on Mathematical Expression using DFA and NFA" in Journal of Interdisciplinary Cycle Research.

Presented a paper on the title "An Overview of Network Solvable using Adjacency Matrix" in Journal of Interdisciplinary Cycle Research.

Presented a paper on the title "Mathematical Modeling on Solvable Network using Determinant of Diagonal Matrix" in Journal of Interdisciplinary Cycle Research.
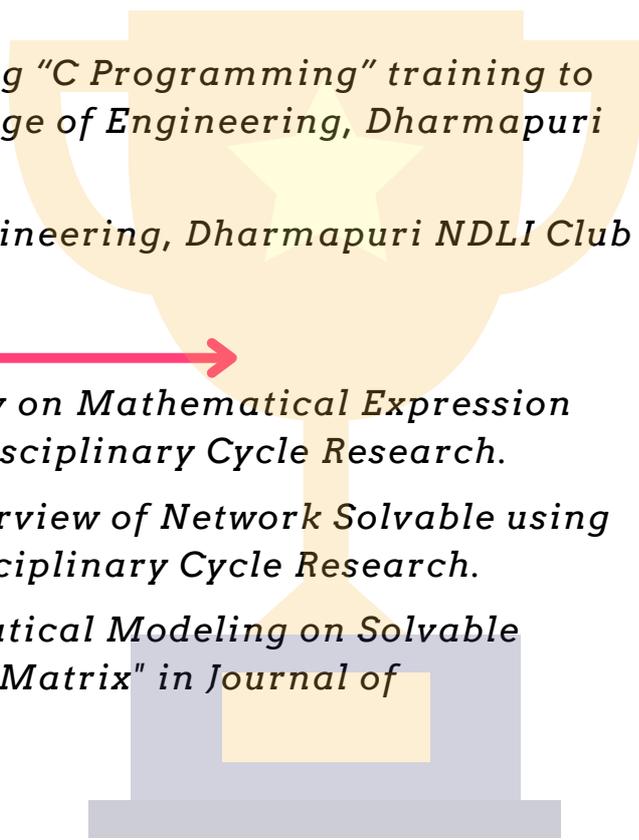
Faculty Achievements

ALOK KUMAR
(Assistant Professor)

Presented a paper on the title "A Study on the uses of Deep Learning Techniques in Medical Images" in AICTE Sponsored International Conference on "Emerging Issues & Innovative Practices on Machine Learning in Big Data Analytics and Data Science" at M.Kumarasamy College of Engineering, Thalavapalayam, Karur on 09.03.22

Presented a paper on the title "Genetic Algorithm for Email Spam Detection Using Machine Learning Models" in AICTE Sponsored International Conference on "Emerging Issues & Innovative Practices on Machine Learning in Big Data Analytics and Data Science" at M.Kumarasamy College of Engineering, Thalavapalayam, Karur on 10.03.22.

Completed AICTE-ISTE Refresher's Programme on "Physiological Control & Internet of Medical Things" held from 17.12.2021 to 23.12.2021 organized by Puducherry Technological University, Puducherry.

Delivered a lecture on the topic "Automata Theory Concepts" via online in NSIT Salem on 21.11.21.

Conducted "C Programming Training" from 22/11/2021 to 24/11/2021 to the students of Government College of Engineering Dharmapuri Students.

Completed a one week "Professional Development Programme" on "Data Analytics" conducted by NITTTR Chennai from 18.04.2022 to 22.04.2022.

Faculty Achievements

SUGAVANESWARI P
(Assistant Professor)

Completed a Three week Industrial Training on Communication and Networking Technologies from 05-04-2022 to 25-04-2022 at BSNL Dharmapuri

Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP On BLOCK CHAIN TECHNOLOGY from 23-08-2022 to 27-08-2022 at Government COllege of engineering,DPI.

Conducted "C Programming Training" from 22/11/2021 to 24/11/2021 to the students of Government College of Engineering Dharmapuri Students.

NARMATHA R
(Assistant Professor)

Completed a Three week Industrial Training on Communication and Networking Technologies from 05-04-2022 to 25-04-2022 at BSNL Dharmapuri

Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP On BLOCK CHAIN TECHNOLOGY from 23-08-2022 to 27-08-2022 at Government COllege of engineering,DPI.

Conducted "C Programming Training" from 22/11/2021 to 24/11/2021 to the students of Government College of Engineering Dharmapuri Students.

Faculty Achievements

PRAKASH K
(Assistant Professor)

Presented a paper on the title " An efficient prediction technique for Alzheimer's disease using CNN" in AICTE Sponsored International Conference on "Emerging Issues & Innovative Practices on Machine Learning in Big Data Analytics and Data Science" at M.Kumarasamy College of Engineering, Thalavapalayam, Karur on 10.03.22.

Presented a paper on the title " A Survey-Deep learning approach for Early Plant Disease Identification" in "Ist International Conference on Artificial Intelligence and Machine Learning Application " at KSR College of Technology, Tiruchengode on 27.05.22.

Completed NPTEL 12 week FDP course on"The joy of Computing using Python " from 24.01.2022.

Delivered a lecture on the topic "Cryptography and Network Security" in Sreenivasa Engineering College, Bommidi on 22.12.21.

Delivered a lecture on the topic "Design and Analysis of Algorithm" in Er.Perumal Manimegalai College of Engineering, Shoolagiri on 19.05.21.

Delivered a lecture on the topic "Operating System" in Dhirajlal Gandhi College of Technology, Omalur on 27.05.21.

Conducted "C Programming Training" from 22/11/2021 to 24/11/2021 to the students of Government College of Engineering Dharmapuri Students.

Completed a one week "Professional Development Programme" on "Data Analytics" conducted by NITTTR Chennai from 18.04.2022 to 22.04.2022.

Organized AICTE Training and Learning (ATAL) Academy online Elementary FDP on " Block Chain Technology " from 23.08.2021 to 27.08.2021 at Government College of Engineering, Dharampuri.

Completed AICTE Training and Learning (ATAL) Academy online Elementary FDP on " Quantum Computing" from 21.06.2021 to 25.06.2021 and from 04.01.2021 to 08.01.2021 at Government College of Engineering, Thanjavur.

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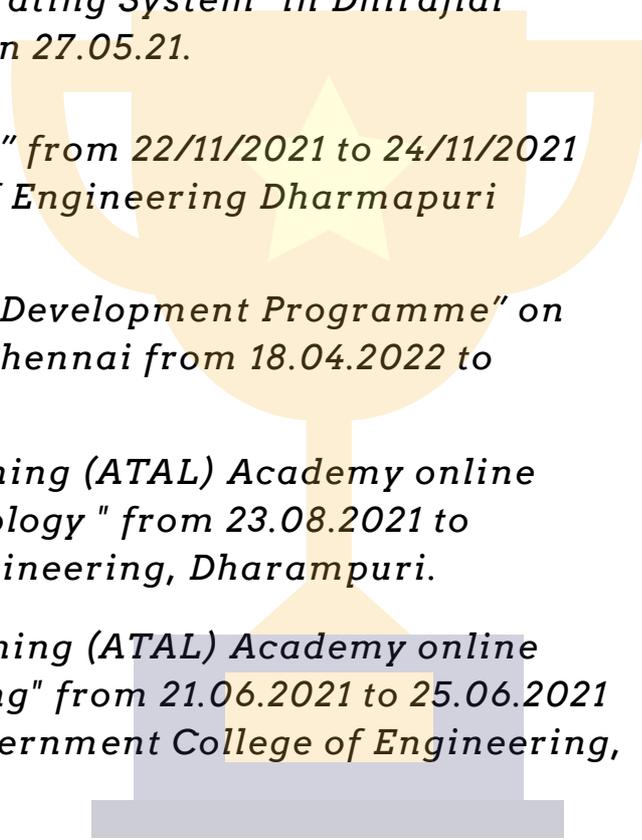
The Department of Civil Engineering aims at offering students the opportunity to gain knowledge about and the necessary expertise and skills in the field of *Civil Engineering*

Cognizant

PLACEMENTS

The Process of connecting the selected person and the employer in order to establish an ongoing employment relationship

Cognizant Technology Solutions Pvt Ltd hired **Annapoorani M** and offered compensation package.

2

Vairamuthu M was hired by Finzly India (R&D) Private Limited.

The road to success is always under construction

ACHIEVEMENTS & AWARDS

Guru samy R secured 1st place in photography and secured 2nd place in Potential Professor in Technoblaze-22 at *GCE-Salem*

Sivanandhan N secured 2nd place at Civilization-22, College of Engineering Guindy, AU

A total number of 9 students got through GATE in the year 2021-2022

Naveen Kumar M Scored 44.04 GATE marks and his GATE score is **486**

Abinesh V Scored 40.21 GATE marks and his GATE score is **448**

Vairamuthu M Scored 29.05 marks and his GATE score is **337**

Faculty Achievements

Prof.P.Gowdhamramkartik and **Prof.P.Nirmal** participated in Hands on Training programme on "Advanced Equipments for Cement and Concrete Testing " organized by Department of Civil Engineering, PSG College of Technology , Coimbatore during 08.04.2022 and 09.04.2022.

Prof.T.Sarthkumar, Prof.M.Gowthaman, Prof.P.Gowdhamramkartik and **Prof.P.Nirmal** Handled session on capacity building training program for Assistant and Junior Engineer with respect to implementation of Jal Jeevan Mission conducted by The State Institute of rural Development and Panchayat Raj, Krishnagiri District.

Prof. M.Gowthaman participated and completed Twelve Week NPTEL Online Certification course named Advanced Soil Mechanics funded by the MoE, Govt. of India and this course is equivalent to One and Half week Faculty Development Programme, through online mode during the period of January 2022 to April 2022.

Faculty Achievements

Prof. M.Gowthaman participated and completed Eight Week NPTEL Online Certification course named Expansive soil funded by the MoE, Govt. of India and this course is equivalent to One week Faculty Development Programme, through online mode during the period of January 2022 to March 2022.

Testing & Consultancy Service was established from February 2018 for the benefit of Government and Non-government organizations utilize the services offered by Department of Civil Engineering faculties around 35 lakhs during the period of January 2021 to April 2022.

Prof.T.Sarthkumar, Prof.M.Gowthaman, Prof.P.Gowdhamramkartik and **Prof.P.Nirmal** participated and completed four AICTE – Sponsored Eight Week Module Courses organized by the National Initiative for Technical Teachers Training through online mode during the period of 01 st April to 31 st May -2021.

Faculty Achievements

Prof.P. Gowdhamramkartik and **Prof.P.Nirmal** *presented paper – on the title "Bridge bearing damage identification using vibration data " in 4th International Conference on Advances in Mechanical Engineering (ICAME 2022),*

Three Faculty members of Department of Civil Engineering have completed their Ph.D. and the remaining four Faculty members of Department of Civil Engineering are doing their Research under Anna University

CLUB ACTIVITES

Prof.P.Gowdhamramkartik, **Prof.P.Nirmal** and **Prof.M.Gowthaman** Organized Plantation of **tree saplings** at GCE Dharmapuri as a part of commemoration of 75 years of Indian Independence.

Society of Civil Engineers of Government College of Engineering, Dharmapuri conducted the *National Level Technical Symposium* ***"TECHNO-CARVE 2022"*** on 10/05/2022.

Prof.P.Nirmal, Co-ordinator Entrepreneurship Development Cell, organized a "Floor Plan Combat" on 30.04.2022, for students.

"Be alone, that is the secret of invention; be alone, that is when ideas are born."

EEE
ENGINEERING
ELECTRICAL AND ELECTRONIC
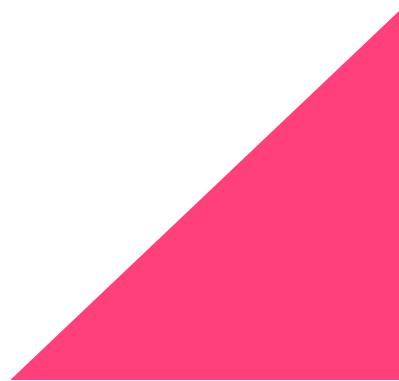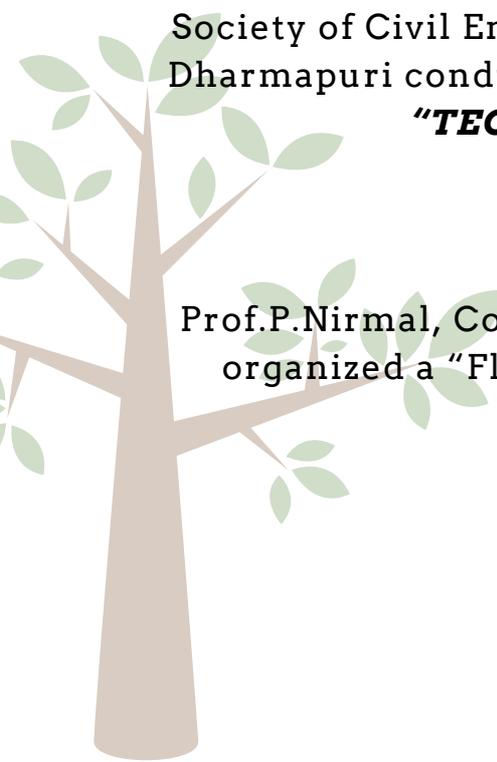
The Department of Electrical and Electronics Engineering aims at offering students the opportunity and render quality education in the realm of *Electrical and Electronics Engineering* and to produce globally proficient engineers who can serve the society.

Cognizant

PLACEMENTS

The Process of connecting the selected person and the employer in order to establish an ongoing employment relationship

Cognizant Technology Solutions Pvt Ltd hired *Seven* students and offered them a compensation package.

HCL Technologies hired *One* student.

OneBill software hired *One* student.

Finzly hired *One* student.

Capgemini hired *One* student.

Wipro hired *Two* students.

13

Have just the right spark

Capgemini

ACHIEVEMENTS & AWARDS

Won overall championship and secured more than 50% of certificates at National Level Technical Symposium "ELECTRYONZ'22'' conducted by Government college of Engineering, Bargur on 8 april,2022.

THAMODHARAN S and ILAYABHARATHI R (Batch 2019-2023)got 5th prize in paper presentation at National Level Technical Symposium "ELECTRYONZ'22'' conducted by Government college of Engineering, Bargur on 8 april,2022.

KESAVAN V (Batch 2019-2023)got 2nd prize in SPOT IT SORT IT, at National Level Technical Symposium "ELECTRYONZ'22'' conducted by Government college of Engineering, Bargur on 8 april,2022.

CHANDHIRASEKAR P (Batch 2019-2023)got 1st prize in at SPOT IT SORT IT ,National Level Technical Symposium "ELECTRYONZ'22'' conducted by Government college of Engineering, Bargur on 8 april,2022.

KESAVAN V and PRADISH A(Batch 2019-2023)got 2nd prize in at QUIZONIX ,National Level Technical Symposium "REVIVA'22" conducted by Government college of Engineering, Bargur on 5 april,2022.

POOVANANDHAN A(Batch 2019-2023)got 1st prize in at TECHNICAL QUIZ ,National Level Technical Symposium "SYNERGY'22'' conducted by Government college of Engineering, Salem on 22 april,2022.
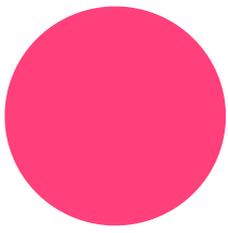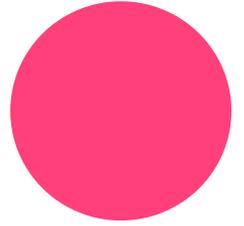
ACHIEVEMENTS & AWARDS

23 students enrolled for ILETS, TOFEL, GRE and Foreign languages.

Career Guidance Program was held on 3 December 2021.

Mr.M.Nantha Kumar, Senior Section Engineer, Southern Railway, was invited as the Chief guest.
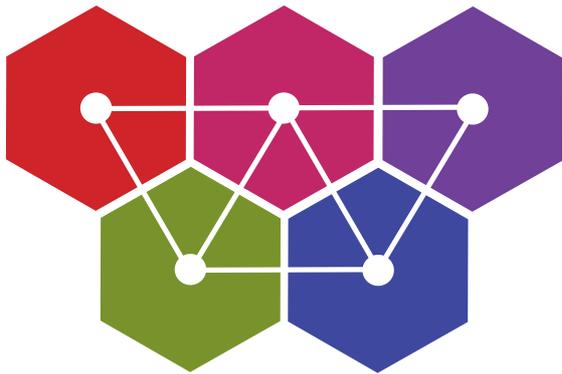
PROGRAMMES

CLUB ACTIVITES

One day Webinar on Basics of Software and Embedded System, was held on 17.11.2021. *Mr.Muniraj Muniappan,* Industrial Trainer, was invited as the Chief guest

The quality of life is determined by it's activities Aristotle

One day Workshop on *"Basics of PLC Hardware Programming and Simulation"* was held on 17.12.2021

Faculty Achievements

Prof.R.Ramamoorthi and **Prof.S.Nirmal Kumar** published a paper titled "Power Quality Study in an Educational institution – A case Study" in International Research Journal of Engineering and technology on Vol-9, Issue -4 ,April 2022.

Prof.V.P.Sakthivel and **Prof.P.D.Sathya** published a paper titled "Multi-area Economic Environmental Dispatch Using Multi-Objective Squirrel Search Algorithm" in Evolving Systems (Springer) on March 2021.

Prof.B. Shankarlal, Prof.P.D. Sathya and **Prof.V.P. Sakthivel** published a paper titled "Computer-aided Detection and Diagnosis of Thyroid Nodules Using Machine and Deep Learning Classification Algorithms" in IETE Journal of Research in 2021.
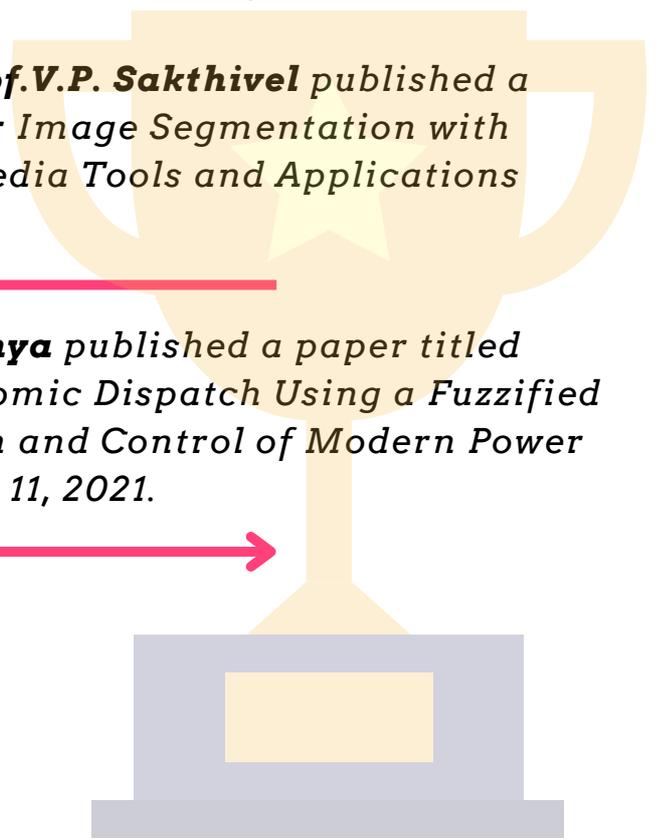
Prof.R. Kalyani, Prof.P.D. Sathya, Prof.V.P. Sakthivel published a paper titled "Medical Image Segmentation Using Exchange Market Algorithm" in Alexandria Engineering Journal (Elsevier) on Vol. 60, No. 6, pp. 5039-5063, 2021.

Prof.R. Kalyani, Prof.P.D. Sathya, Prof.V.P. Sakthivel published a paper titled "Multilevel Thresholding for Image Segmentation with Exchange Market Algorithm" in Multimedia Tools and Applications (Springer) on May 2021.

Prof.V.P. Sakthivel and Prof.P.D. Sathya published a paper titled "Single and Multi-Area Multi-Fuel Economic Dispatch Using a Fuzzified Squirrel Search Algorithm" in Protection and Control of Modern Power Systems (Springer) on Vol. 6, Article No. 11, 2021.

Faculty Achievements

Prof.R. Kalyani, Prof.P.D. Sathya and **Prof.V.P. Sakthivel** published a paper titled "Image Segmentation with Kapur, Otsu and Minimum Cross Entropy Based Multilevel Thresholding Aided with Cuckoo Search Algorithm" in IOP Conference Series: Materials Science and Engineering on Vol. 1119, Article No. 012019, 2021.

Prof.Kanimozhi Rajasekaran, Prof.P.D. Sathya and **Prof.V.P. Sakthivel** published a paper titled "Application of Krill Herd Algorithm to Improved Quasi Lossless Fractal Image Compression" in International Journal of Future Generation Communication and Networking on Vol. 14, No. 1, pp. 249-260, 2021

Prof.Kanimozhi Rajasekaran, Prof.P.D. Sathya and **Prof.V.P. Sakthivel** published a paper titled "Application of Krill Herd Algorithm to Improved Quasi Lossless Fractal Image Compression" in International Journal of Future Generation Communication and Networking on Vol. 14, No. 1, pp. 224-236, 2021.
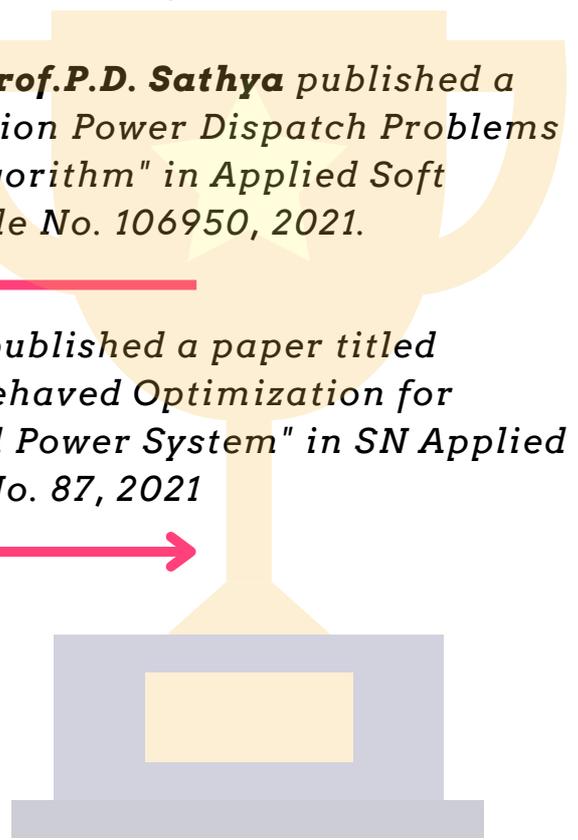
Prof.P.D. Sathya, Prof.R. Kalyani and **Prof.V.P. Sakthivel** published a paper titled "Color Image Segmentation Using Kapur, Otsu and Minimum Cross Entropy Functions Based on Exchange Market Algorithm" in Expert Systems with Applications, Elsevier on Vol. 172, Article No. 114636, 2021.

Prof.V.P. Sakthivel, Prof.M. Suman and **Prof.P.D. Sathya** published a paper titled "Combined Economic and Emission Power Dispatch Problems Through Multi-Objective Squirrel Search Algorithm" in Applied Soft Computing, Elsevier on Vol. 300, No. 3, Article No. 106950, 2021.

Prof.V.P. Sakthivel and **Prof.P.D. Sathya** published a paper titled "Fuzzified Coulomb"s and Franklin"s Laws Behaved Optimization for Economic Dispatch in Multi-Area Multi-Fuel Power System" in SN Applied Sciences (Springer) on Vol. 3, No. 1, Article No. 87, 2021

Faculty Achievements

Prof.V.P. Sakthivel, Prof.H. H. Goh, Prof.S. Subramanian, Prof.P.D. Sathya and **Prof.S. K. A. Rahim** published a paper titled "Multi-objective Squirrel Search Algorithm for Multi-Area Economic Environmental Dispatch with Multiple Fuels and Valve Point Effects" in IEEE Access on Vol. 9, No. 1, pp. 3988-4077, 2021.

Prof.V.P. Sakthivel and Prof.P.D. Sathya published a paper titled "Squirrel Search Optimization for Non-Convex Multi-Area Economic Dispatch, International" in Journal of Engineering, Transactions A: Basics on Vol. 34, No. 1, pp. 120-127, 2021.
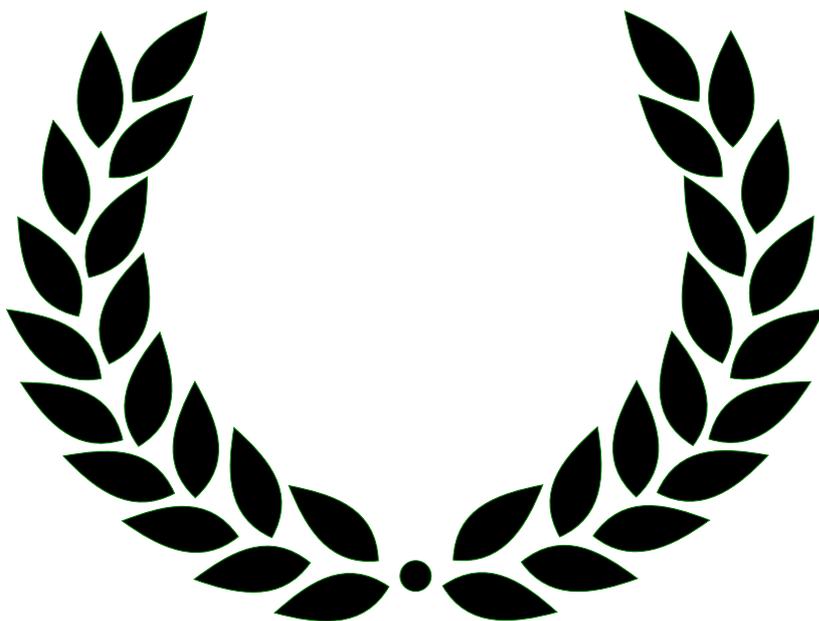
Fig. 1
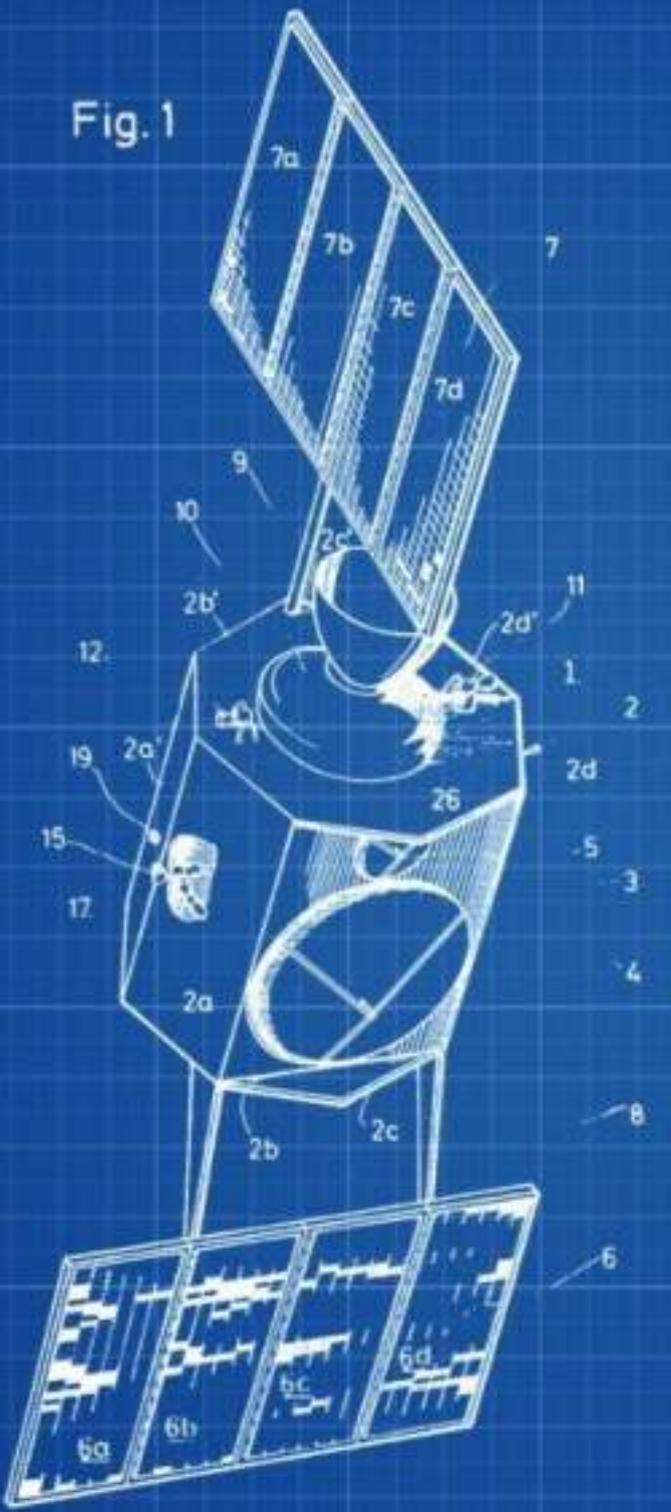
Since the inception of the institution, the Department of Electronics and Communication has been working incessantly and zestfully to groom excellent engineers to the society.

The Department has state-of-the-art equipment for the sole benefit of the students. Students are exposed to cutting edge technologies even as their basic skills and technical knowledge are strengthened.

Cognizant

PLACEMENTS

The Process of connecting the selected person and the employer in order to establish an ongoing employment relationship

Cognizant Technology Solutions Pvt Ltd hired **10 students** and offered them a compensation package.

HCL Technologies hired **Two** students.

OneBill Software hired **One** student.

Finzly hired **Three** students.

Capgemini hired **One** student.

TCS hired **Three** students.

ZOHO hired **One** student.

Ramco Systems hired **5 students** and offered them a compensation package.

ramco

onebill

ACHIEVEMENTS & AWARDS

Shiva Shanmugam R secured 3rd place in Project presentation in National Technical Symposium-*GCE Bargur*

Narmadha R & Soundharya B secured 2nd place in Paper presentation in National Technical Symposium-*GCE Salem*

Mithun Srinivasan S secured 3rd place in Project presentation in National Technical Symposium-*GCE Salem*

Brindha Sri Ratna S.V secured 1st place in Paper presentation in National Technical Symposium-*Kongu Engineering Salem*

Faculty Achivements

Prof Dinesh.G, defended his Ph.D thesis titled "QSCsim-A Circuit Simulator for Switched Capacitor Circuit Analysis" and was awarded Doctorate in Sep 2021.

Kiruthika.V, *Ph.D* scholar of Dr.V.Sumathy, defended her Ph.D thesis and was awarded Doctorate on 11.01.2022

ARDUINO
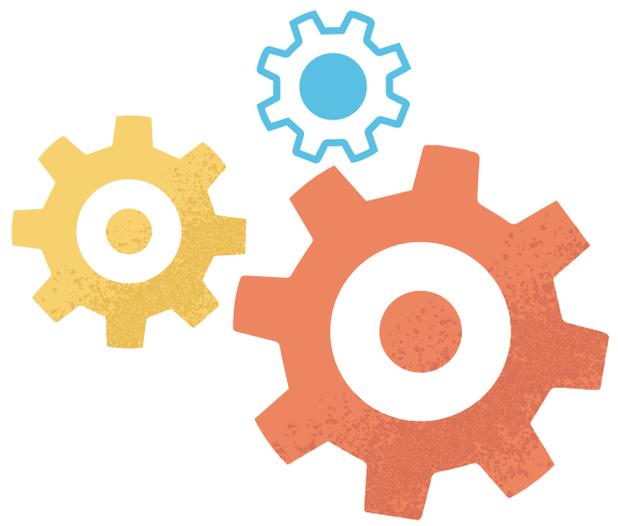
The primary focus of our curriculum is to impart technical know-how to students, promote their problem solving skills and innovation of new technologies. The laboratories under various domains are fully equipped with up to date experimental facilities and machinery to train our students.

PLACEMENTS

Ramco System hired **Three** students.

Admindroid hired **One** student.

HCL hired **Four** students.

Cognizant hired **One** student.

9

ACTIVITES

250 Students
participated in III-CELL
held on March 31st 2022

National Level Technical Symposium
was conducted on 06.05.2022, Dr
Ragothman Arjunan, Divisional
Manager, Ashok Leyland as Chief guest

Faculty Achievements

Dr. SYED JAFAR
(Assistant Professor)

Syed Jafar Kutbudeen K , Kamaraj Logesh , Arulprakasajothi Mahalingam & I Vinoth kanna, "Performance enhancement of solar collector using strip inserts and with water based Al2O3/DI water nanofluids.", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 2021 Taylor & Francis Group, LLC , Number 00, Feb 2021, pp. 1-12. /doi.org/10.1080/15567036.2021.1872745.

S.Ashfaque Ahmed , I Rahamathullah , K. Vijayaraj & Syed Jafar K, "Evaluation of animal fat based biodiesel blends and effects of exhaust gas recirculation on the suitable blend in single cylinder four stroke diesel engine.", ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, AND ENVIRONMENTAL EFFECTS Taylor & Francis Group, LLC , Number 0, Jan 2021, pp. 1-21. /10.1080/15567036.2020.1862368.

Dr.Syed Jafar K attended ISTE – 6thInternational E – Conference on Latest Trends in Science, Engineering and technology – KARPAGAM COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE.Improve the Productivity of a Pyramid Solar Still using Al2O3Nanofluid. ISBN: 978-81-910748-5-7. 13th APR -2020

Attended a Two week FDP ,Designing moocs,Digital skills and E-content development. 17/08/2020 to 30/08/2020 .Annamalai university Annamalai nagar.

Attended a Three week industrial training ,Mechanical engineering applications in telecom industry18/05/2020 to 05/06/2020 BSNL Cuddalore.

Faculty Achievements

Dr. MUTHUKUMARAN
(Assistant Professor)

Attended International conference on Technological in Material, Design, Manufacturing and Energy Sectors (ICTAMDMES-20) during 20-21 Feb 2020. St. Joseph's College of Engineering, Chennai.

Attended National Conference on "Recent Trends in Chemical and Environmental Biotechnology (RTCEB)" has presented a paper entitled Effect of Biofuel on Diesel Engine Emission Using Coal Ash Catalyst during 14- 15th Feb 2020, FEAT, Annamalai University.

Attended TEQIP-III Sponsored One Week FDP on "Strategies and Tools for Effective Online Teaching and Learning" during 4 – 8th Aug 2020. GCE, Bargur. (On line mode).

Attended AICTE Sponsored One Week STTP on "Cyber Physical Manufacturing system for Future Industries (CPMS)" during 10 -15th Aug 2020, IFET College of Engineering, Villupuram. (on line mode).

Attended MHRD Sponsored Two Weeks FDP on "Design of MMOCs, Digital Skill and E-Content Development" during 17- 30th Aug 2020, Annamalai University. (on line mode.

Attended Three Weeks Industrial Training on "MECHANICAL ENGINEERING IN TELECOM INDUSTRY" During 18th May -5th June 2020, BSNL, Chidambaram.

Published a paper on the title Analysis the Process Parameters of Fluidised Bed Gasification System Using Corn Stalks -IJAST (2020).

Published a paper on the title Investigation of swirl induced piston on the engine characteristics of biodiesel fueled diesel engine -FUEL (ELSEVIER-2020).

PATENT

Dr. Muthukumaran obtained patent for the invention on "Fiber reinforced plastic composite material used in embossing bumper" in 2021.
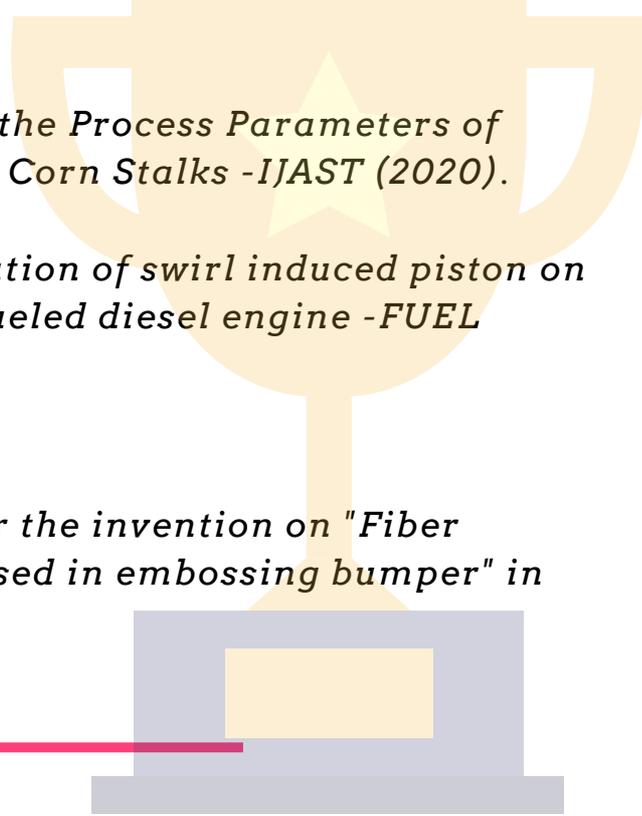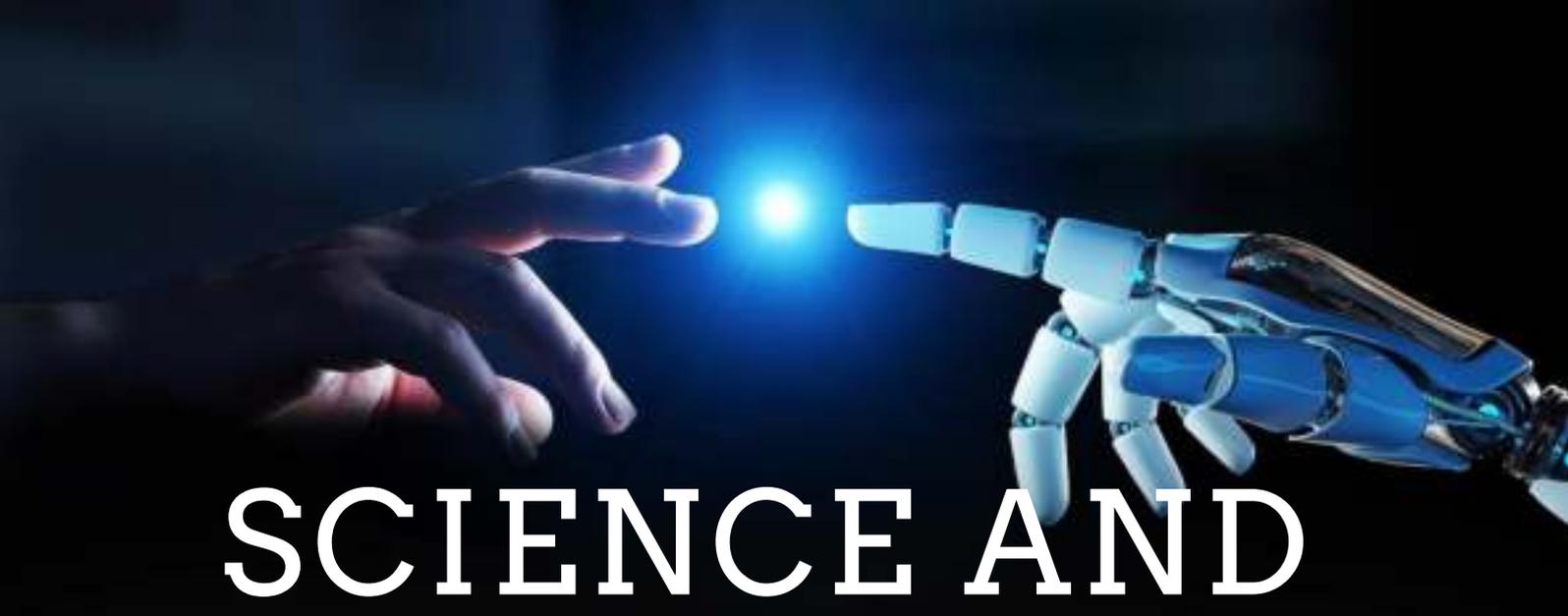
SCIENCE AND
HUMANITIES

The generic name 'Science and Humanities' comprises the four integral Departments of Chemistry, English, Physics and Mathematics. Each of these departments plays a significant role in strengthening and laying the foundation of engineering studies.

The Sciences open up the window to the world of sciences that lead to technology. They are offered at the Undergraduate level to engineering students.

World lives by Humanity and develops by Science

Faculty Achievements

Department of English

Amalan R *of English Department attended a 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 4 October, 2021 to 8 October, 2021.*

Prem Kumar P *of English Department attended a 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 4 October, 2021 to 8 October, 2021.*
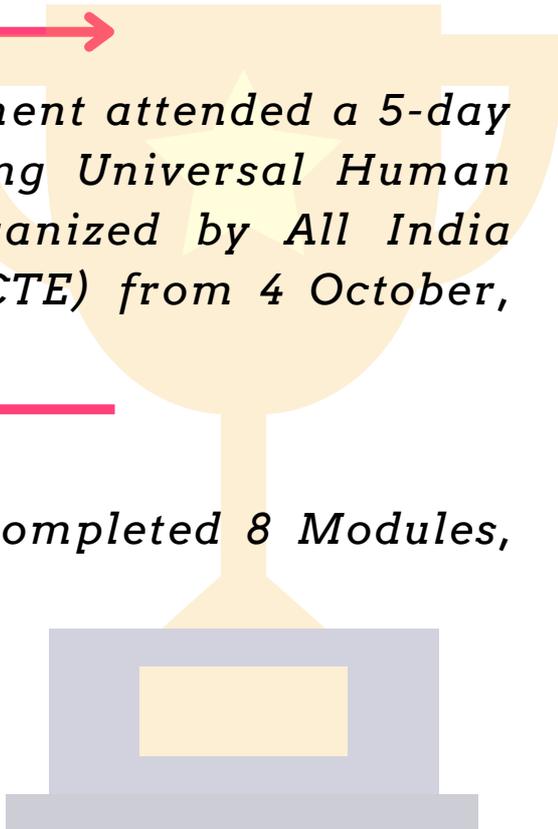
Prem Kumar P *of English Department defended his Ph.D thesis titled "Formative Violence in the Select Works of Richard Wright." He was awarded Doctorate Degree on 27.11.2021.*

Tamil selvan M *of English Department attended a 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 4 October, 2021 to 8 October, 2021.*

Amalan R *of English Department completed 8 Modules, AICTE NITTT 2021*

Faculty Achievements

Department of English

Prem Kumar P of English Department *delivered a Special Lecture on "Literature and Society" to the English Department students of Sona College of Arts and Science on 27.08.2021*

Tamil selvan M *of English Department attended a one-week International Interdisciplinary online faculty development program on "Creative Methods for Teaching Digital Natives in Higher Education" organized by St.Mary's College, Thrissur, Kerala, from 02.08.2021 to 09.08.2021*

வாழ்தல், சிந்தித்தல் சிறப்பு கருத்தரங்கம்

தர்மபுரி, டிச. 26–

பெரியார் பல்கலைக்க முக முதுநிலை விரிவாக்க மையத்தின் ஆங்கிலத்து றையின் இலக்கிய மன்றத் இன் சார்பாக சிறப்பு கருத்தரங்கம் நடைப்பெற் றது. இச்சிறப்பு பொறி பொறியில் தர்மபுரி அரசு பொறியியல் கல்லூரி ஆங் கிலத்துறை உதவிப்பேராசி ரியர் முனைவர் பிரேம்கு மார் சிறப்பு விருந்தினராக கலந்து கொண்டு "வாழ்தல்

மற்றும் சிந்தித்தல்"என்ற தலைப்பில் சிறப்புரை ஆற்றினார்.

இவர் தனது உரையில் இந்த இலக்கியத்தை சார்ந்த ஆங்கில எழுத்தா ளர்கள் அவர்களின் நூல் கள் மற்றும் இத்துறையில் ஆய்வு மேற்கொள்ள தக்க வழிமுறைகள், குறித்து பேசினார்.

தொடர்ந்து ஆங்கிலத் துறை மாணவர்களின் வினாடி வினா போட்டி,

குழு விவாத போட்டி, ஊமை நாடகம் போன்ற பல்வேறு கலாச்சார நிகழ் வுகள் நடத்தப்பட்டது. இதில் வெற்றிபெற்ற மாண வர்களுக்கு பரிசுகளும், சான்றிதழ்களும் வழங்கப் பட்டது.

இந்நிகழ்ச்சியில் விரி வாக்க மைய இயக்குனர் முனைவர் மோகனசுந்தரம், கோவிந்தராஜ், முனைவர். இருத்திகா உள்ளிட்டோர் கலந்துகொண்டனர்.

Faculty Achievements

Department of Chemistry

Dr Buvaneswari N, *Mr Santhosh Kumar M* and *Dr Prathipa C* of Chemistry Department participated in 5- day online FDP on "STRESS MANAGEMENT FOR ENGINEERING EDUCATORS" from 04.04.2022 to 08.04.2022 organized by the Faculty Development Training Centre in association with Department of English, Thiagarajar Polytechnic College, Salem.

Mr Santhosh Kumar M of Chemistry Department participated in in 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Edcuation (AICTE) from 22nd November, 2021 to 26th November, 2021.

Dr.N.Buvaneswari, participated in "Four-week induction/ orientation programme for Faculty in Universities/ Colleges/Institutes of Higher Education" from 20.01.2022 to 19.02.2022 organized by Teaching Learning Centre, Ramanujam College, University of Delhi.

Dr.N.Buvaneswari, presented a paper in International Virtual Conference on MATERIALS SCIENCE AND TECHNOLOGY (ICMAST-2022) titled "Removal of Crystal Violet Dye on Guava Leafs By Adsorption from Aqueous Solution And Its Recovery" held during 15-16, March 2022 in Department of Physics, Kandaswami Kandar's College, Velur. Namakkal in collaboration with Indian Spectro Physics Association (ISPA).

Faculty Achievements

Department of Chemistry

Dr.C.Prathipa, presented a paper in international conference on "RECENT INNOVATIONS IN CHEMICAL SCIENCES (RICS 2022)" titled "The role of iron tricarbonyl in manipulating the ring opening of 4π -cyclobutene analogues in shifting from pseudopericyclic to pericyclic – A DFT study" held during 24-25, March 2022 in the Department of Chemistry, Periyar University,Salem-11.

Dr.N.Buvaneswari, Mr. M.Santhosh Kumar and **Dr. C.Prathipa** participated in 5- day online FDP on "STRESS MANAGEMENT FOR ENGINEERING EDUCATORS" from 04.04.2022 to 08.04.2022 organized by the Faculty Development Training Centre in association with Department of English, Thiagarajar Polytechnic College, Salem.

Dr.N.Buvaneswari, participated in 5- day online FDP on "EMERGING TECHNOLOGIES" from 08.04.2022 to 12.04.2022 organized by Department of Information Technology, Dr. B.C. Roy Engineering College Durgapur, West Bengal, India.
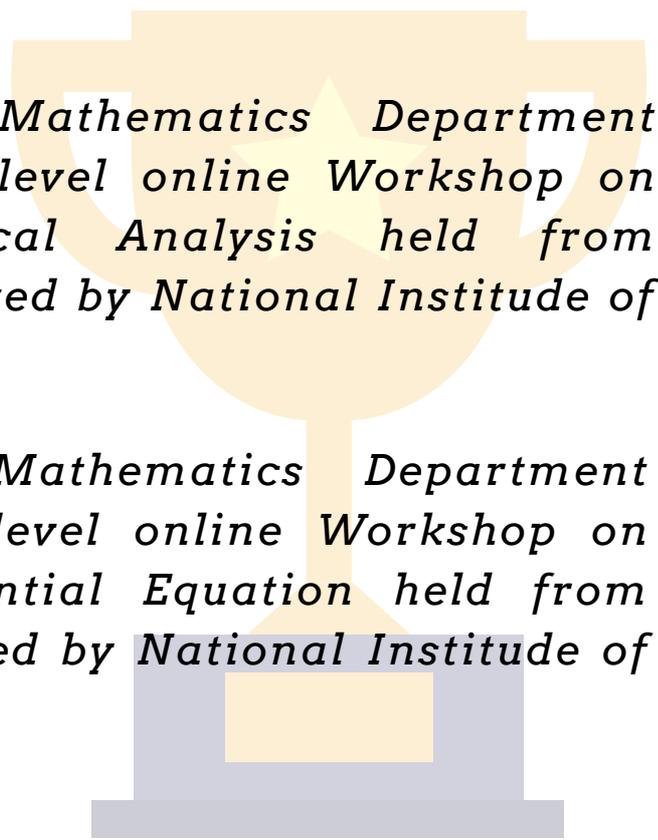
Faculty Achievements

Department of Maths

Dr N Karimilla Bi of Mathematics Department attended a five day National level online workshop on "Algebra Analysis and Differential Equations" (WAAD-2021) held from 14.06.2021 to 18.06.2021, NIT, Trichy.

Sivasubramaniyan P of Mathematics Department attended two week Refresher Course in Mathematics organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 13/08/2021 to 14/09/2021.

Sivasubramaniyan P of Mathematics Department attended the INSA & NCM joint online Teachers enrichment Workshop on Functional Analysis & Algebra, hosted by Kongu Engineering College, Perundurai, from 01.02.2021 to 28.02.2021.

Sivasubramaniyan P of Mathematics Department attended Five day National level online Workshop on Functional Analysis Numerical Analysis held from 05.04.2021 to 09.04.2021 organized by National Institude of Technology Tiruchirappalli.

Sivasubramaniyan P of Mathematics Department attended Five day National level online Workshop on Algebra, Analysis and Differential Equation held from 14.06.2021 to 18.06.2021 organized by National Institude of Technology Tiruchirappalli.

Faculty Achievements

Department of Maths

Sivasubramaniyan P of Mathematics Department attended Two week Refresher Course in Mathematics organized by Teaching and Learning center, Ramanujan college, University of Delhi from 13.08.2021 to 14.09.2021

Sivasubramaniyan P of Mathematics Department attended Four week Induction/Orientation programme for faculty in Universities/Colleges/Institutes of higher education from 20.01.2022 to 19.02.2022

Karthikeyan V
(Assistant Professor)

Dr Karthikeyan V of Mathematics Department published **11 Papers.**

Dr Karthikeyan V of Mathematics Department published **5 Papers in International Conference** and **2 papers in National Conference.**

Dr Karthikeyan V of Mathematics Department attended **3 FDP programs.**

Dr Karthikeyan V of Mathematics Department obtained **1 National patent.**

Dr Karthikeyan V of Mathematics Department obtained **1 International patent.**
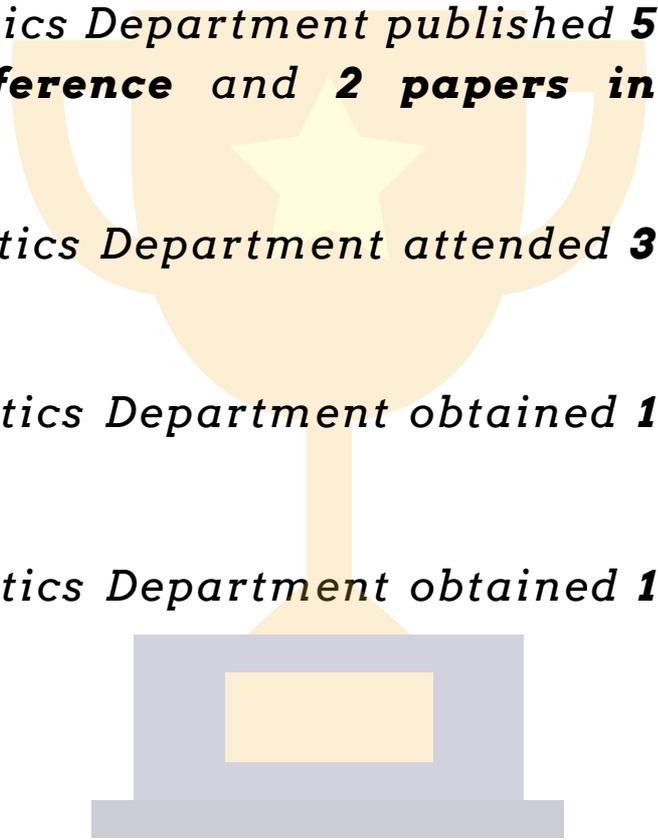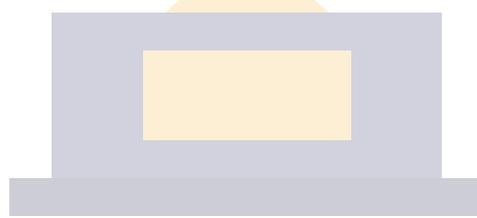
Faculty Achievements

Department of Physics

Karthikeyan A of Physics Department Participated in the Indo-Norwegian International Online Conference on FARON-2022 organized by Institute for Energy Technology (IFE), University of Oslo (Vio), Norway and Madurai Kamaraj University (MKU) India from 20-04, February 2022.

Karthikeyan A of Physics Department Participated in the AICTE-ISTE sponsored Induction/Refresher Programme (phase-II) on "Outcome Based Education" organized by Department of Mechanical Engineering, Government College of Engineering, Bargur held from 24.03.2021 to 30.03.2021.

Karthikeyan A of Physics Department served as resource person and delivered Lecture on "Guidance for Preparation of CSIR-UGC NET/JRF/SET Examination for Physical Sciences" organized by the Department of Physics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore on 13th October 2021.

Suganya S of Physics Department participated in 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 22nd Nov to 26th Nov, 2021.

Faculty Achievements

Department of Physics

Suganya S of Physics Department participated in the AICTE-ISTE sponsored Induction/Refresher programme (phase-II) on "Outcome Based Education" organized by Department of Mechanical Engineering, Government College of Engineering, Bargur held from 24.03.2021 to 30.03.2021.

Sankar S of Physics Department successfully completed the AICTE-ISTE approved orientation/Refresher programme on "Physiological Control & internet of Medical Things" during 17.12.2021 to 23.12.2021 organized by Puducherry Technological University, Puducherry.
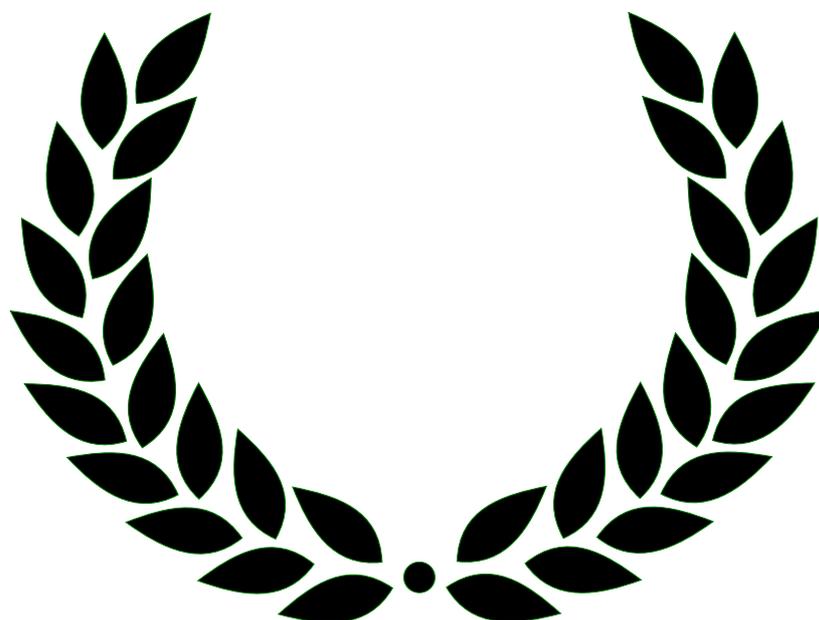
THE EARTH HAS
MUSIC
FOR THOSE
LISTEN

- W Shakespeare