Excêl Technical Campus
News Bulletin

- Excel Engineering College (Autonomous)
- Excel Public School - CBSE
- Excel College for Commerce & Science
- Excel College of Architecture and Planning
- Excel Polytechnic College & ITI
- Excel Colleges of Education

Hon. Chairman's Message

In any institution, you'll find rules, rubrics and issuance of regulations from time to time. And there would a hierarchy beginning with the Principal, Dept. Heads, Coordinators and other in-charges and then, the subject-handling faculty.

These limiting factors and hierarchical structures are in place not essentially to limit the freedom of people; but instead to prevent the misuse of freedom. And those who understand the true meaning of rules and regulations show the boldness to go beyond them for better results. There is an old saying in English: "Fences were made for those who cannot fly." Let us not take rules and stipulations as limits to our freedom but as markings of areas telling us where and when to be cautious and then go beyond them to achieve all that can be done by as human beings.

- Prof.A.K.Natesan
(Syndicate Member,
Tamil Nadu Teachers Education University - TNTEU)

The Department of Agricultural Engineering (B.Tech.) organized an Adventure Trekking for the 44 students of Year-II to Sankari Fort Hills, Salem on 02.07.2022. Mr. C. Manoj Prabhu AP/Agri and Mr. N. Nithyananthan, AP/Mech, were the Trekking Coordinators, and were aided by Dr. Thomas Mathew, Prof./English, Mr. Murugesan, AP/Maths, and a First Aider Dr. Muthukrishnan.

The climb up the hill took more than two and a half hours, and on the pinnacle, the adventurists saw the spot where the patriot Dheeran Chinnamalai, endured martyrdom at the hands of the British Army. After having lunch and some rest, the trekkers climbed down to the base of the hill that took more than one and a half hours

The Adventure and Trekking Club of Excel Engineering College takes up Trekking Expeditions every month for various Departments and it keeps up the physical fitness of the students as well as their spirit of adventure.

GUEST LECTURE ON THE WORKING OF A SOLAR PANEL

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) organized a Guest Lecture on 'the Working of a Solar Panel' on 09.07.2022.

As part of the programme, the students and staff members visited the solar panels installed on several terraces of Excel Institutions and came to understand the working of a solar panel.

The resource person said that the Sun is the biggest source of renewable energy for the Earth. Even though the earth receives only a part of the energy generated by the Sun (i.e., Solar energy), that part of solar energy is tremendously huge. The Earth receives solar energy in the form of light and heat. The lecture explained how electricity is harvested from the solar energy and how it is utilized.

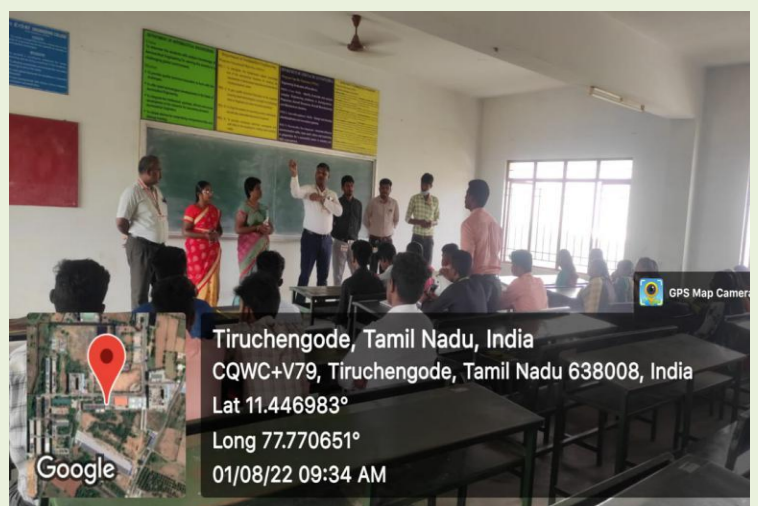The number of benefitted participants was 59, including 3 Staff Members.

CODE OF CONDUCT

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) organized a Session on **"the Code of Conduct"** on 01.08.2022. In this Occasion, Dr. G. Vijayakumar, HoD/Agri, addressed the students about the Values and Ethics in life.

The number of benefitted participants was 31, including 7 Staff Members.

ROLES AND RESPONSIBILITIES

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) organized a Session on **"Roles & Responsibilities"** on 02.08.2022. On this Occasion, Dr. G. Vijayakumar. HoD/Agri spoke to the students about their roles and responsibilities.

The total number of participants who benefitted was 36 including 5 Staff Members.
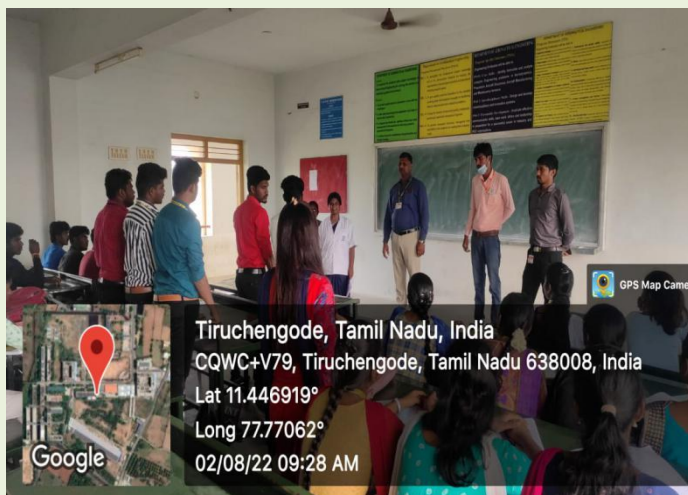
ONE-DAY WORKSHOP

The Department of Agricultural Engineering, Excel Engineering College, organized a **"One day workshop on Business Hut"** on 06.08.2022.

In the session-I, the chief guest, Mr. Mohanasundaram - Assistant professor, Department of MBA, EEC delivered a talk about "Recent Trends in Business Marketing". The students were able to discover the new business technologies that are useful to improve their marketing value.

In session-II, the chief guest Mr. P. Mehendara Boopathy, Assistant professor, Department of MBA, EEC delivered a talk on **"Issues and Challenges in Entrepreneurship".** Through this, the students could innovate a few ideas and know about the principles of entrepreneurship, and the issues and challenges coming up in the business field and how to be a successful entrepreneur.

The number of Participants who benefitted: 35, including 4 members of the staff.

INDUSTRIAL VISIT

Elumathur, Tamil Nadu, India
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Elumathur, Tamil Nadu, India
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Elumathur, Tamil Nadu, India
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13/08/22 11:36 AM

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) organized an "Industrial Visit" on 13.08.2022. The Ruchi Rice Mill they visited was situated in Elumathur in Erode District.

During this session the students came to gain some industrial knowledge based on practical experience of Boiler operation, Automated rice milling machines, Driers, Rice colour sorting machine, Types of rice milling tools, etc.

Forty-two students took part in this Industrial Visit and three staff members accompanied them.

INDUSTRIAL VISIT-13.08.22

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) organized an 'Industrial Visit' on 13.08.2022.

In this session the students came to know about the industrial production of Sugar & Soya products, and their manufacturing process and also about ethanol production processes.

The manufacturing unit chosen was Sakthi Sugars, Aappakkoodal, Erode. The number of students who participated was 42 and 3 faculty members accompanied them.

Appakudal, Tamil Nadu, India
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Tiruchengode, Tamil Nadu, India
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Teacher's Day Celebration

The Department of Agricultural Engineering, organized the "Teachers' Day" celebration on 05.09.2022.

With all the staff members present, one of the students gave a wonderful speech about Sarvepalli Radhakrishnan, the former President of India who was an amazing teacher of his time.

Another student gave a passionate speech about the importance of celebrating the Teachers' Day. After some singsongs, Mr. C. Manoj Prabhu, AP/Agri proposed the vote of thanks on behalf of the faculty of B.Tech. Agricultural Engineering.

10 Faculty Members were honoured by a gathering of 168 students.

Engineers' Day Celebration

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) celebrated the "Engineers' Day" on 17.09.2022.

After the welcome address by Dr. G. Vijayakumar, Prof. & HoD, and the presidential address by Mr. C. Manojprabhu, AP, the students came forward to give the speeches about various topics such as the History of Engineers' Day, Opportunities for Young Engineers, Roles and Responsibilities of Engineers, etc. Finally, the vote of thanks was given by J. Elaiya Barathi, a student of the Final year.

143 students were present for the celebration along with 8 members of the faculty.


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Namakkal, Tamil Nadu, India
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GRAES Association Inauguration

The Department of Agricultural Engineering, inaugurated the "GRAES Association" on 17.09.2022.

The program commenced at 11:45 AM with the welcome address by Dr. G. Vijayakumar, Professor & Head, Dept of Agricultural Engineering, and the presidential address was given by Mr. C. Manojprabhu, AP/Agri.

The office bearers were elected by secret ballot and their names were officially announced by Dr. G. Vijayakumar, the HoD. Then, the report of the activities organized by GRAES Association during the previous academic year was read out on the stage by the activity coordinator, Mr. Manojprabhu, and finally the vote of thanks was proposed by the D. Prem, a Final-year student. 142 students and 8 faculty members were present for the event.
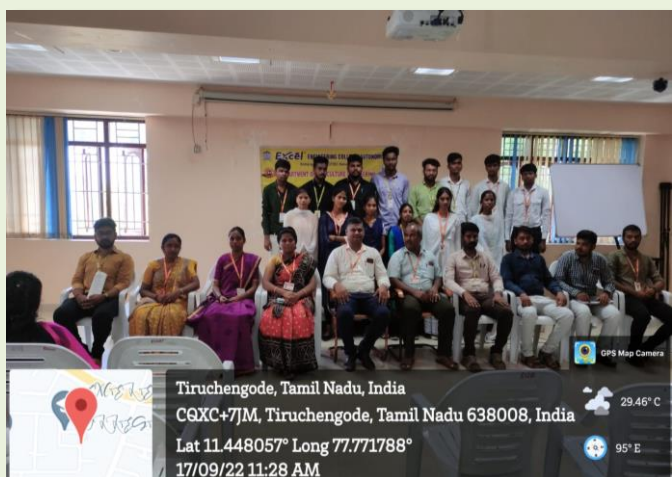
GRAES Cultural Fest

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) organized a "GRAES Cultural Fest" on 17.09.2022.

The programme commenced at 2:00 PM with a keynote address by Dr. G. Vijayakumar, Professor & Head of the Department. During the GRAES Cultural Fest, the Department conducted various performances like dancing and singing, which were power-packed and also melodious.

The entire audience enjoyed the cultural events and finally, the vote of thanks was proposed by our staff member, Mr. C. Manoj Prabhu, AP, Department of Agriculture Engineering. All the 142 students of the Department were present along with 8 staff members.
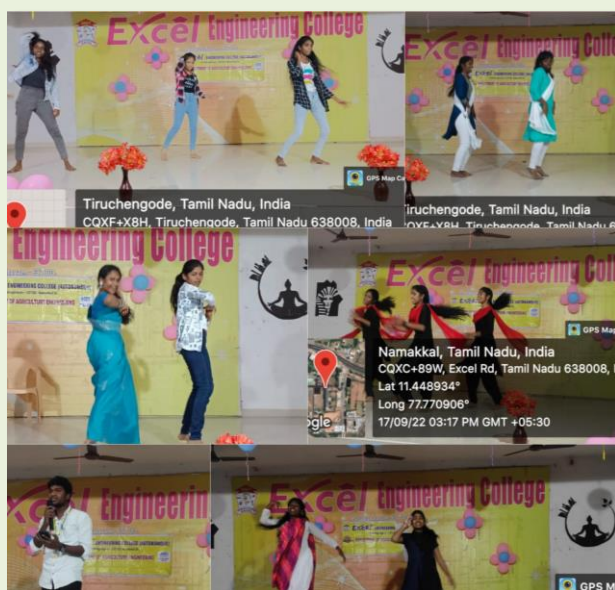
Swachh Bharath

The Department of Agricultural Engineering, organized "Swachh Bharat" Cleanliness Drive on 19.09.2022.

For this programme, the students chose the areas in and around the town of Bhavani. The students tried to create awareness about keeping the environment clean to maintain good health. They also cleaned the surroundings of Bhavani and interacted with the public to convey the message of 'Swachh Bharat'.

Three NCC cadets and a faculty member led the team of students.

NIFTEM Institute Visit

The Department of Agricultural Engineering organized an "Institute Visit" to NIFTEM on 23.09.2022.

During this institute visit, the staff of NIFTEM explained in detail about the working principle of each and every processing equipment. The students came to know to about the processing of different dryers, chocolate making equipment, cookie making equipment, oil processing equipment and milling equipment for paddy, grains etc.

There were 58 students in the group and they were accompanied by 3 members of the faculty.

Bhavani Sagar Dam Industrial Visit

The Department of Agricultural Engineering, organized an "Industrial Visit" to Bhavani Sagar Dam on 24.09.2022. During this visit, the visiting students learned about the Dam, Irrigation Canal System, Fluid Flow Design and the upstream and downstream of the reservoir, etc.

The accompanying faculty members explained the complete details of the dam's working to the students and they gained some knowledge about watershed management.

There were 72 students in the group and they were accompanied by 2 faculty members.

GRAES SPORTS MEET 2K22

The Department of Agricultural Engineering, organized "GRAES Sports Meet 2K22" on 24.09.2022.

In this event, Year-III students participated and did their best in the sports ground. The students were excitedly competing in the sports ground. The girl-students played volley ball and throwball. The boys played football and then volley ball, under the supervision of the staff members.

More than 40 students participated in the sports and games events and 3 members of the faculty refereed the games.

The Dept of Data Science, Excel College of Commerce & Science organized a Bridge Course for the students of BCA, B.Com, BBA & B. Sc. Data Science on 13/8/22, on the Topic: Soft Skill Awareness.

It was the 3rd day of the Bridge Course and the Resource Person was Dr. Thomas Mathew, Prof. & HoD of English/EEC.

The participants, numbering 290, were impressed and motivated by the interactive session. Dr. M. Subha, HoD/DS/ECCS, welcomed the Resource person and at the end of the session, a boy student and a girl student came forward and proposed the vote of thanks.

Engineers' Day Celebration

The Department of Electrical and Electronics Engineering celebrated the Engineers' Day on 17-09-2022, two days apart from September 15, the birth anniversary of Sir M. Visvesvaraya, known as the Father of Engineering, in order to commemorate his contributions to the field of engineering in India.

The event was to honour the engineers and the theme of the meet was "**Engineering for a Sustainable World".** The Resource person was Dr. M. R. Mohanraj, HOD/EEE, Excel Engineering College.

The number of Participants who were present for the celebration was 90, and the afternoon saw the conducting of various competitions like Essay writing, Drawing and Speech Contest and the winners were awarded prizes.

Dr. N. Natarajan, Head of the Department of Mechanical Engineering, educated the students of all the mechanical batches about the 'code of conduct' and explained how the students ought to follow ethics in the class rooms as well as outside, on 16.08.2022.

The Dept. of Mechanical Engineering organized a "Hands on Training' on "Automotive Engine Management System" on 24th September 2022 that started at 10.00 am that was kickstarted by Mr. M. Sambathkumar, AP/Mech & Mr. R. Premraj, AP/Mech and they explained about basics about "Automobiles and Engine Management System in Automotive Applications".

A wide range of subjects were taught in Automobile engineering which included Mobility Design and Aesthetics, Automotive Materials, Automotive Electrical and Electronics, Computer-aided Vehicle Design, Vehicle Maintenance, Electric Mobility, Thermodynamics, Engineering Mechanics, Manufacturing Technology, Fuels etc. Talks about development of passenger cars, trucks, buses, motorcycles, or off-road vehicles was also held.

This Training helped the students to improve their skills on automobiles and upon the completion of this event students were really impressed and interacted with the guest speakers and cleared their domain doubts. The total number of students who participated was 68 in addition to 4 faculty members.

"Hands on Training"

The Dept of Mechanical Engineering, Excel Engineering College, celebrated "WORLD CAR-FREE DAY" on 22/09/2022. The Resource person invited for the event was Dr. N. TAMILSELVAN, AP/Mech, Excel Engineering College, and 152 students participated along with 4 faculty members. Dr. Vinoth & Dr. Karthikeyan addressed the students about the current scenario of energy demand, global warming and above all about alternative fuel and guided the students towards research for non-renewable energy source. They also promoted recycling on both health and energy aspects and inspired the students towards Innovative projects such as e-vehicle for reduction of carbon emission and motivated the students for afforestation for a greener earth.

EXCEL TECHNICAL CAMPUS – NEWS BULLETIN 2022 - VOL. VI; ISSUE 3

WORLD WATER WEEK CELEBRATION–2022

"Public Awareness on Water Conservation"

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) celebrated World Water Week – 2022 with a Public Awareness on Water Conservation" on 29.08.2022.

On this occasion Students were given a chance to spread awareness to the public about the Conservation of Water.

The members of the public were 23 in number with 9 students and a faculty from the Department.

'Drawing and Essay Competition'

The Department of Agricultural Engineering, Excel Engineering College (Autonomous) celebrated World Water Week – 2022 with a "Drawing and Essay Competition" on 29.08.2022.

The students participated and showed their talents in Drawing and Essay Writing on the Theme of Water Conservation.

Awareness Rally and Pledge

In connection with the 'World Water Week–2022' an "Awareness Rally" was taken out and a "Pledge on Water Conservation" was taken by all the students of the Department on 30.08.2022.

The Rally commenced at 02.00 pm from the Department of Agricultural Engineering, EEC, and the students visited several institutions in the Excel Group such as, Excel Polytechnic College, Excel College for Commerce and Science, Excel Public School and Excel Engineering College. After the Rally, the students, 110 in number, and 225 from other Departments, took a collective pledge to conserve water.

GREEN CLUB, SWACHH BHARAT & NCC

A team comprising of 20 students and 4 faculty members from Green Club, Swachh Bharat & NCC of Excel Engineering College visited the Government School located in Pallakkapalayam Village in view of the "International Plastic Bag-Free Day" on July 08 2022, Friday.

The students instilled awareness in the school students about the significance of avoiding plastic usage. They also recommended the alternatives for plastic. The school students were encouraged to use cotton bags and recyclable materials in their day-to-day life.

On behalf of the **Department of Civil Engineering**, Prof. Sasikumar demonstrated 'Steel Stud Beam Structure' for Civil Engineering students in the Medical Block, on 6.8.2022.

The Civil Engineering Professors, Mr. Sakthivel, Mrs. D. Mythili, Mr. Arunkumar and Ms Poornima, accompanied Year-III & Year-IV students and demonstrated the construction details of a Swimming Pool and Laying Paver Block in the campus of Excel Group Institutions on 13.8.22.

BME Dept imparts Code of Conduct

An Awareness programme for students on "Code of conduct" & "Duties and Responsibilities" was organized by the Department of Bio-Medical Engineering on 04.08.2022.

Dr. B. Balasubramanian, Professor & Head /BME, and Dr. G. Prakash, Professor/BME addressed the students and informed them of all what they had to do and the way they had to behave to their seniors as well towards their juniors.
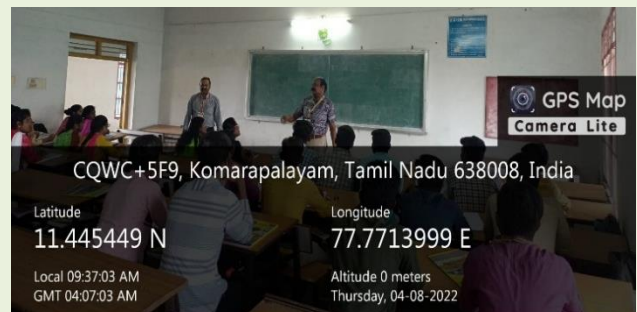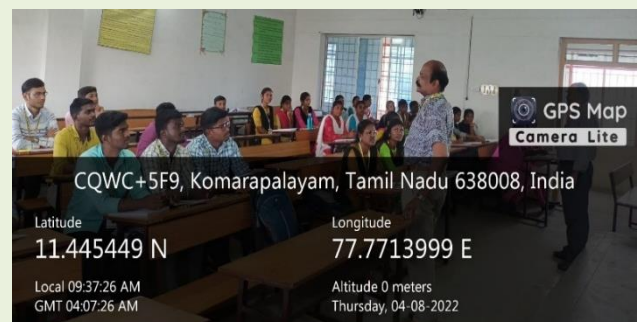
The Department of BME organized a Sports event consisting of Basketball & Volley Ball tournaments for all the students in the Department on 06.08.2022.

Dr. B. Balasubramanian, Professor & Head /BME and Dr. Saroj Kumar Sah, AP/BME, saw to the conducting of the same and all the students had an interesting time.
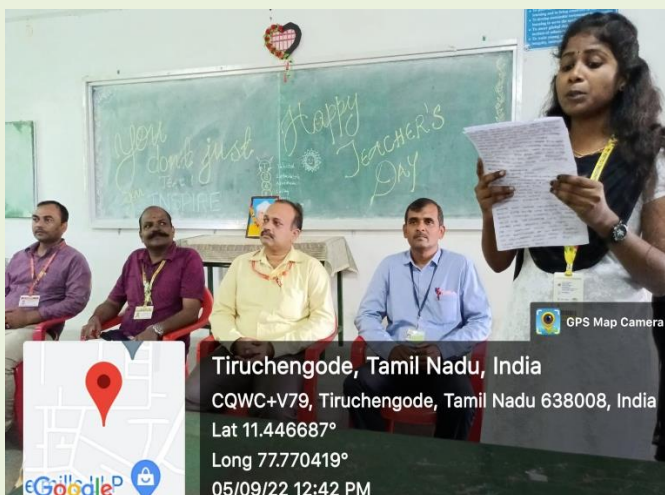
The girl students were allowed to have Throw Ball instead of Volley Ball.

The Dept. of BME organized an Awareness Programme on Organ Donation for all the students of the Department in connection with International Youth Day on 13.08.2022.

The students were made aware of the benefit others would receive for something that was going to rot in the soil or get cremated and turn into ash. It was to become a normal customary practice and seeing their example others were to follow suit. And probably they themselves could become a beneficiary of someone's generosity in the future.

Dr. B. Balasubramanian, Professor & Head /BME
& Dr. Saroj Kumar Sah, AP/BME, addressed the students and some of the students resolved to approach a hospital to become an organ donor and to become a blood donor first.

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Teachers' Day was celebrated in the Dept. of BME on 5th Sept. 2022 and the students gathered to express their gratitude to their professors for the light of knowledge imparted to them by their professors.

All the professors present appreciated their gratitude and gave their blessings to the students to continue to be good students.

On 15th Sept. 2022, Twenty-five students of the Dept. of BME volunteered to donate blood in a Blood Donation Camp organized by the Rotary Club of Komarapalayam.

This event was a mega camp in which 223 students of Excel Engineering College came forward to be of service to the needy by donating blood and for many from Year-I and Year-II, it was a new experience.

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Namakkal, Tamil Nadu, India
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The BME Department and Excel Multispecialty Hospitals organized an Anatomy Laboratory Tour on "Human Skeletal Demonstration" on 17.09.2022.

Dr. B. Balasubramanian, Professor & Head/BME, Dr. Saroj Kumar Sah, AP/BME, and Mrs. Rokini, AP/BME took the students around.

The BME Department organized a Basic Bioinformatics Workshop for the Year-III students on **17.09.2022.**

The Resource Personnel were Dr. B. Balasubramanian, Professor & Head/BME, and Dr. Saroj Kumar Sah, AP/BME.

37 students took part in the workshop and gained from it.

On the same day, a Certificate Course on the Basics of MAT Lab was conducted for Year-II students.

The topic was interesting for all the 60 students who participated and had a hands-on experience in the Common Computer Lab.
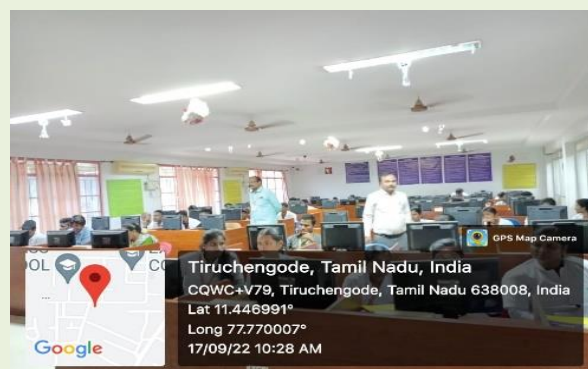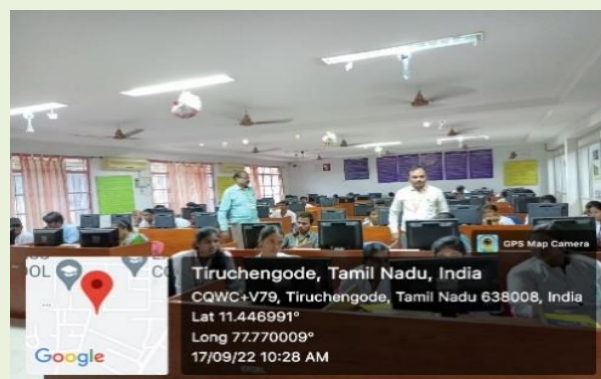
The Department of Electronics and Communication Engineering celebrated the National Broadcasting Day with an International Broadcast from Sri Lanka by Dr. CMM Mansoor, Prof of Information Technology from South Eastern University, on 23.07.2022.

The topic was Communication for Engineers, and the students, 53 in number, accompanied by 13 members of the faculty listened to the broadcasts on Competitive Examination preparation, Opportunities for ECE graduates in core industry and Preparation tips for core industry placement.

Ms S. Theivanayaki, AP/ECE & Mr. M. Ramesh, AP/ECE made arrangements for this broadcast to be made successfully.

Commemorating **World Photography Day** (normally held on 19th Aug), the **Fine Arts Club of EEC** organized a **Workshop on Photography** conducted by Dr. Thomas Mathew, Prof. of English, on 17th Aug, 2022. Year-III B.E Civil Engineering Students of Excel Engineering College participated in this programme and gained some insight into this multimedia aids in modern communication and teaching practices.

On behalf of the Department of Civil Engineering, the World Water Week was commemorated on 30.08.2022. The students were explained about hydrological cycle, rain water harvesting, sewage treatment, recycling and reuse concepts employed in the Excel campus. The faculty members, Mr. S. M. Sakthivel, Ms D. Mythili & Mrs. K. Poornima / AP Civil, took the lead in taking the students to the spots to have a first-hand experience for themselves.

Dr. K. Tamilarasi, Head, Dept of Electronics and Communication Engineering, conducted an Awareness Programme on 02.08.2022 for the students on the "Code of conduct". She addressed the students about the Values and Ethics in life. It made the students of Year-II come to know of their "Duties and Responsibilities" as they stepped into a senior class.
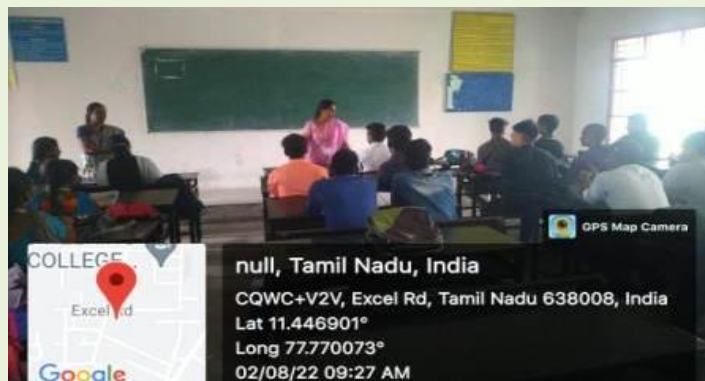
The **Dept. of ECE** organized a Workshop on "Project Demonstration" on 06.08.2022. The Resource persons were Mr. N. Rajagopalakrishnan, AP/ECE and S. Satheeshkumar, AP/ECE.

Thirty-four students and Two faculty members participated in the workshop. The basics about Project, Domain, Skills, Tools, Idea, Innovation of Project and e-learning platforms to all the students were discussed. Practices on Circuits level trouble shooting as also given to the students.
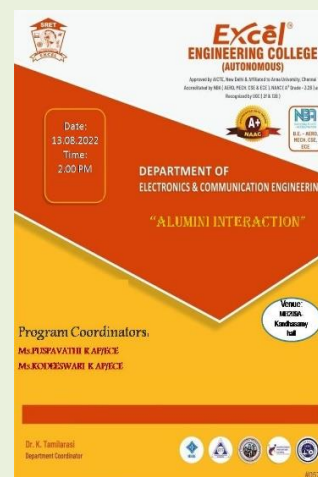
An Alumni Interaction Programme was organized by **ECE Department** on 13.08.2022 at 2:00 PM in Kandhasamy Hall. Five Alumni interacted with the students of ECE and seven faculty members.

The following points are discussed:
1. Job Opportunities
2. Entrepreneurship
3. Govt.-Exam preparation.

The coordinators were Ms R. Pushpavathi, AP/ECE, & Ms K. Kodeeswari, AP/ECE


The **Department of ECE** organized a Skill Development Programme for the non-teaching faculty members on 27.08.2022 at 10:00 am in MB 205.

In this programme experiments using Microprocessor Kit, CRO, Function generator and bread board were performed. And programmes using MatLab software was simulated.

Mr. N. Rajagopalakrishnan, AP/ECE & Ms. S. Theivanayaki, AP/ECE, coordinated the programme.

The **Electrical and Electronics Engineering Department** organized a GUEST LECTURE on the topic **INTERVIEW SKILLS AND PERSONAL GROOMING** on 17.09.2022. The chief guest of the programme was JFM. N. SELVAKUMAR, and JC. T. BOOPATHIRAJA, and the former gave a lecture about interviews and personality development. Students gained knowledge personal grooming skills. It helped them to get placed in companies in the future and to make a career for themselves.

About 90 students participated along with 4 members of the faculty.
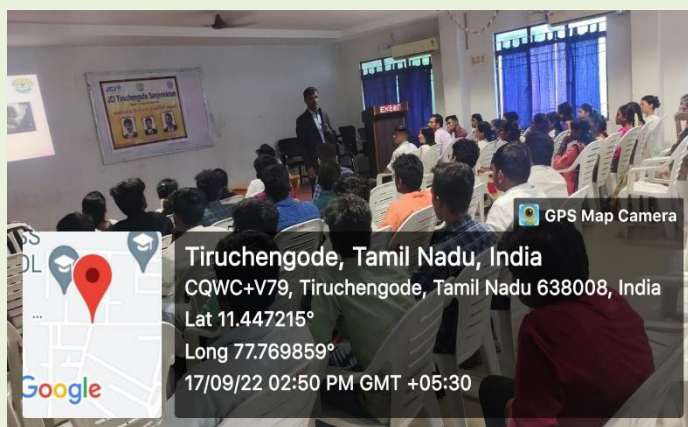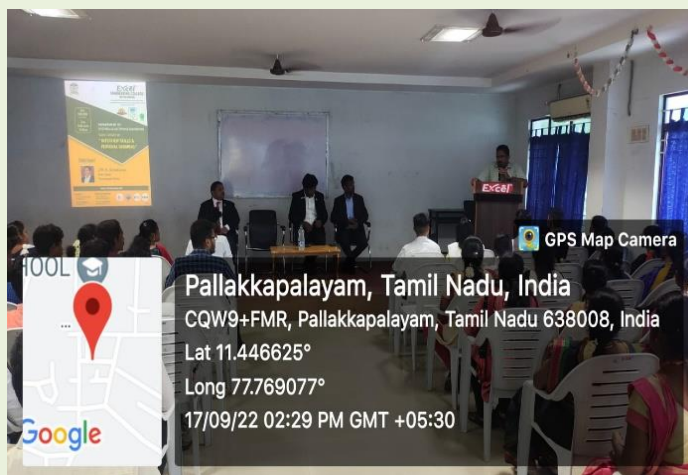
An **ANTI-DRUG AWARENESS RALLY** was organized by the DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING (**EEE**) on 13/08/22 with the theme 'Share Facts on Drugs, Save Lives'. As stipulated by the United Nations Office on Drugs and Crime (UNODC), the motive was to combat misinformation by sharing the real facts on drugs such as health risks and also by giving solutions for the world drug problem with evidence-based prevention, treatment, and care.

The coordinators stressed the importance of awareness about the harmful effects and the risks associated with using alcohol and other drugs. They stressed the need of organizing awareness campaigns about drug abuse among students. This, along with interventions can decrease adolescent drug abuse rate and crimes in and outside colleges.

The DEPARTMENT OF **ELECTRICAL AND ELECTRONICS ENGINEERING** celebrated **TEACHERS' DAY** on 05-09-2022 **Over** 80 students of the Department gathered together to celebrate and honour their teaching faculty.

The Chief Guest of the function was Dr. M.R. Mohanraj, HOD/EEE, and he addressed the students explaining how Dr. Sarvepalli Radhakrishnan's birthday came to be celebrated as Teachers' Day every year.

Quite a few students and also some faculty members delivered speeches about Teachers' Day. The students honoured their faculty members with mementos and sweets as tokens of their love and esteem towards them.

The **Department of Food Technology**, under Ms Nivetha E., AP/FT & Ms S. Tharani, AP/FT, conducted a Saturday Programme on 06/08/22, to improve the *Language Skills* of the students.

The activities took place as follows:

1: '*Alphabetical Countdown*' to familiarize the students with the alphabet; recital of the letters, identifying, and producing the sounds of the individual letters

2: '*Boggle*' (crossword puzzle) to provide the students with an opportunity to evaluate their knowledge and make them pay attention to terminology and make them spell each word correctly

3: '*Chinese Whisper*', a game that teaches students to focus truly on listening skills

4: '*Stop the Bus*'- a game to help the students develop vocabulary skills

5: 'Hangman' to test the students' mastery in understanding the meaning of words

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FOOD TECHNOLOGY WORKSHOP

The Department of Food Technology organized a one-day workshop on "Cooking without Fire" on 01.06.22.

This encouraged the students who were 50 in number and triggered their creativity, thinking and problem-solving skills.

6 Faculty members were involved in guiding the students and the overall coordinator of the event was Ms E. Nivetha, AP/FT.

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The Department of Food Technology organized a one-day Puzzles & Games for all the students of the Department on 06.08.22. These games and activities were meant to help the students to

- Improve their Memory
- Develop better Problem-Solving Skills
- Improve Visual-Spatial Reasoning
- Increase IQ

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EXCEL TECHNICAL CAMPUS – NEWS BULLETIN 2022 - VOL. VI; ISSUE 3

- Improve one's Low Mood Levels

- Lower Stress Levels, and to

- Increase the power of attention to details

The total No. of students who participated was 25, along with 2 faculty members. The organizer of the day's activities was Ms E. Nivetha, AP/FT.
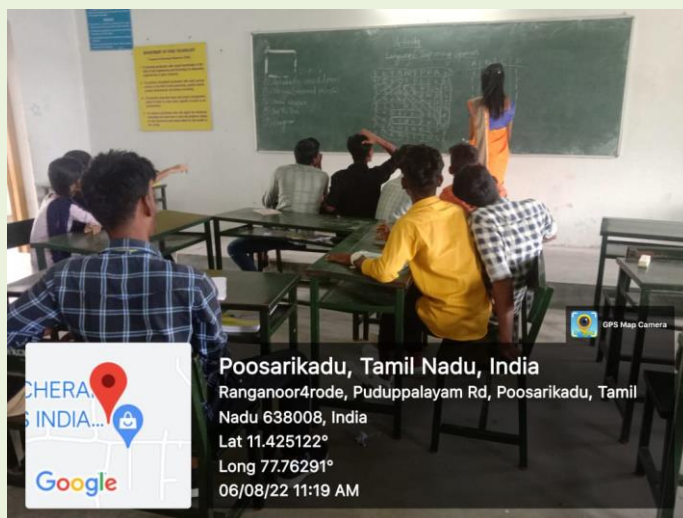
NATIONAL LEVEL SYMPOSIUM – 'AMBROSIA 2K22'

The **Department of Food Technology** organized A **National Level Technical Symposium** entitled '**Ambrosia 2K22**' on 13.07.2022.

The events consisted of:

- Paper Presentation

- Poster Presentation &

- Technical Quiz

Participation Certificates, Winners Certificates and Cash Prizes were awarded to the students.

The **Chief Guest** was Dr. D. Vasudevan, Chief Scientist, CSIR – CECRI. A total of 250 participants in addition to 7 faculty members participated in the mega event.

F.T. WORKSHOP

The **Department of Food Technology** organized a one-day workshop on **"Product Development in Whey Beverage"** on 13.08.2022.

The purpose was to improve the confidence of the students towards their own ability to create a new product and to give awareness of the role of multiple functions in creating a new product (e.g., marketing, finance, industrial design, engineering, production).

45 students participated in the event along with 7 faculty members. The coordinator for this enriching activity was Ms E. Nivetha, AP/FT.
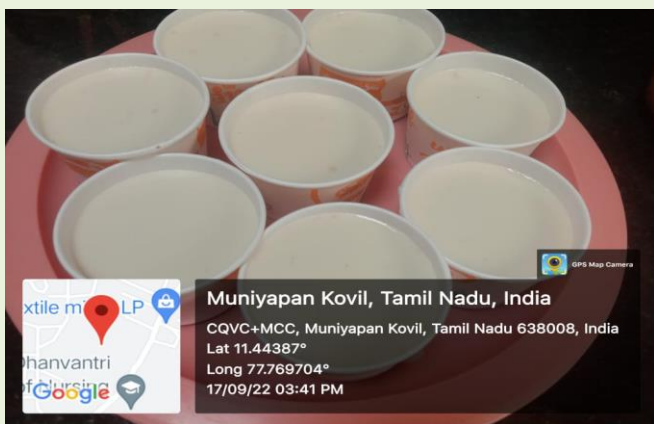
WORKSHOP & AWARENESS PROGRAMME

The Department of Food Technology organized a one-day workshop on "**Flavoured Milk**" and an awareness programme on "**Food Technology-related Opportunities in the Government Sector"** on 17.09.22.

After the workshop, the students were able to:

✓ Prepare standardized milk as well as handle and

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Tiruchengode, Tamil Nadu, India
CQWC+V79, Tiruchengode, Tamil Nadu 638008, India

maintain equipment related to raw milk processing

✓ Implement improvement strategies on developing better dairy starters for the production of fermented food items with therapeutic properties

✓ Detect adulterants, preservatives and neutralizers in milk and milk products.

The sessions were handled by: Dr. M. Indumathi, AP/FT, & Ms E. Nivetha, AP/FT.

Products:

1. Banana & Cocoa milk
2. Dates & Banana milk
3. Strawberry & Dates milk

Awareness Programme

- Govt Sector Initiatives in Food Technology
- Govt Institutions and Organizations related to Food Technology
- Food Industry
- Role of Food Technologists
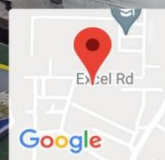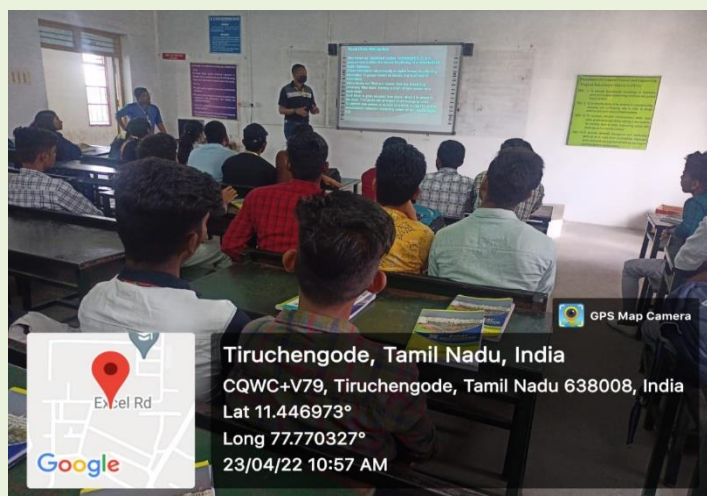- Govt Exams on food processing
- Higher Study Areas

The total number of students who participated stood at 80, and 7 faculty members were present.

The Department of Computer Science and Engineering conducted a presentation titled "WEB SERVICES AND MACHINE LEARNING TECHNIQUES" on 06.08.2022 at the Departmental Smart Classroom. The Session was interactive and interesting, and the students got their doubts cleared. They learnt about the latest technology used by Web services and Machine learning.

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EXCEL TECHNICAL CAMPUS – NEWS BULLETIN 2022 - VOL. VI; ISSUE 3

Web services are XML-based information exchange systems that use the Internet for direct application-to-application interaction. These systems can include programs, objects, messages, or documents. Machine Learning methods can also be used for web applications to learn client activity and improve user experience.

The speaker explained that to track and interpret consumer interactions associated with an item, and e-commerce website system can use a Machine Learning algorithm.

Awareness Programme on Donating Organs

The Department of Computer Science and Engineering, along with the Department of Information Technology, conducted an "Awareness Programme on Donating Organs" on 13.08.2022. The aim was to assess the attitude and awareness regarding organ donation in a selected adult population in Pallipalayam.
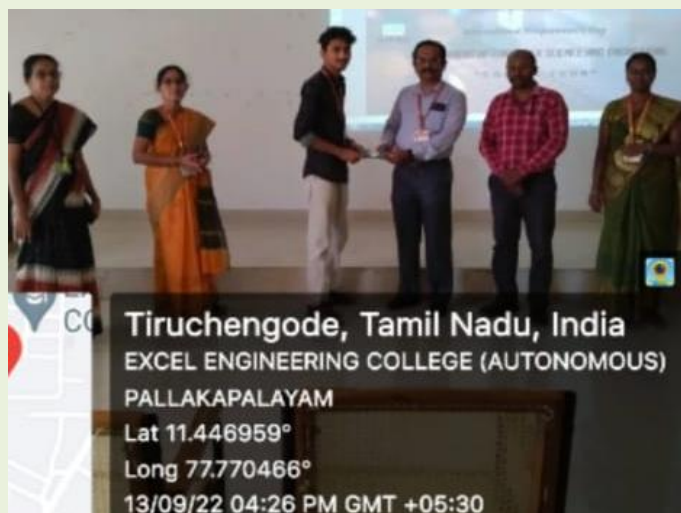
Most of the participants knew that organs have to be harvested immediately after the donor's death without any waste of time. The encouraging finding was that 72% of the participants were willing to donate their organs.

There was a high level of awareness about eye and kidney donation, but the awareness about other organ donations was poor. The awareness about eligible donors and the timing of organ donation is also high. Almost all the subjects were willing for eye donation, while two-thirds were unwilling to donate solid organs due to perceived risks and family pressure. Awareness campaigns in the community can bring about a change.

CODE-A-THON
(International Programmer's Day)

The **Department of Computer Science and Engineering** conducted the event **"CODE–A-THON" (International Programmer's Day)** for all the Circuit and Non-Circuit branches on 13.09.2022 at Software Development (SD) Lab and PG Lab.

The "CODE-A-THON" provided the students the opportunity to develop the skills to solve day-to-day life's problems through coding and compete with their fellow mates. The "CODE-A-THON" here was a three-hour coding competition (instead of the 24-hour session). At the end of the session, prizes were distributed to the winners and runners.

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GPS Map
Tiruchengode, Tamil Nadu, India
EXCEL ENGINEERING COLLEGE (AUTONOMOUS)
PALAKKAPALAYAM 638008, India
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Long 77.770463°
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Industrial seminar
on "Introduction to Cutting Edge Technology – Cloud Computing

The **Department of Computer Science** and Engineering organized an industrial seminar on "INTRODUCTION TO CUTTING EDGE TECHNOLOGY - CLOUD COMPUTING" on 17.09.2022 at 10 AM in TVR Hall.

The speaker of the program was Mr. ALOK KUMAR, Product Engineer from Banyan Cloud, Bangalore. The Session was interesting and interactive, and the students could ask questions regarding the presentation and get their doubts cleared.

Cutting-edge technology refers to technological devices, techniques or achievements that employ the latest and high-level IT developments. Leading and innovative IT industry organizations are often referred to as "cutting edge." The ability to democratize technology and put it in the hands of anyone who

Tiruchengode, Tamil Nadu, In

needs it will allow smaller companies to be creative and innovative in ways that are going to change the game across many industries.

Sports activity:

The **Department of Computer Science** and Engineering organized various Sports Activities on 24.09.2022 in the afternoon in the main ground.

The students participated in games like football, cricket, handball and shuttle badminton. The concerned faculty members acted as organizers and as umpires.

Seminar on "Becoming a Successful Entrepreneur

The **Department of CSE** organized a seminar on "BECOMING A SUCCESSFUL ENTREPRENEUR WITH YOUR PERSONAL AND PROFESSIONAL CONTACTS" for the final year students on 24.09.2022 at 10:30 AM in TVR Hall.

The speaker of the program was **Dr. K. ELAMVAZHUTHI, BSc., B Tech., MBA., PhD, Professor & HOD, Excel Business School, EEC, Komarapalayam,** as well as the **Founder & Secretary, MIT Entrepreneurs Association (MITEA) - Chennai**. The Session was interesting and interactive, making the students ask several questions.

The Guest speaker said that there was no magic bullet that could transform one into a rich and successful entrepreneur overnight. However, for those prepared to work hard to succeed, there is an almost formulaic blend of entrepreneurial skills that can help set successful businessmen and businesswomen apart from the rest.

Workshop on Designing Web Application using RUBY–RAILS

The Department of Computer Science and Engineering conducted a workshop on "DESIGNING WEB APPLICATION USING RUBY–RAILS" for the second and the third-year students on 24.09.2022 at 10:30 AM in Pavaaiammal Hall.

The chief speaker of the programme was **Mr. G. Saravana Moorthy, Technical Lead, Sedin Technologies, Chennai.** He said that "Ruby on Rails" is one of the most powerful and popular web development frameworks for businesses of every size. It helps to save both time and money on the development process compared to other potential options.

Ruby-Rails offers a straightforward programming paradigm and gives developers a great deal of flexibility. Ruby runs on a server, not on the client (like JavaScript).

INDUSTRIAL VISIT

The Department of Food Technology organized a one-day industrial visit to "**Sakthi Sugars Limited,** Appakudal**"** on 24.09.22.

The visiting students gained knowledge about Mill House Control, chemistry involved in sugar processing, Purity Control Check, True Purity, Brix% Calculations, etc.
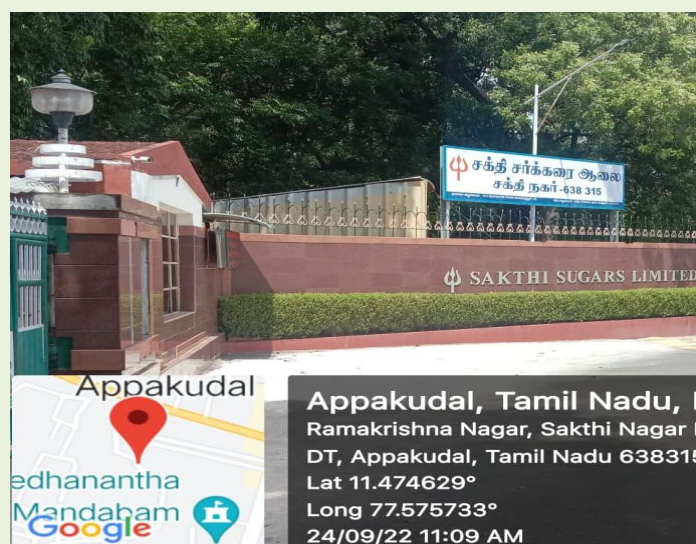
A total of 60 students participated in this Visit and they were accompanied by 4 Faculty members.
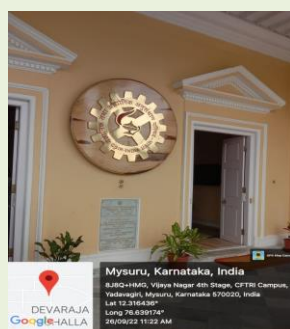
INDUSTRIAL VISIT

The **Department of Food Technology** organized an industrial visit to Central Food Technological Research Institute (CFTRI), Mysore, on 26.09.22.

The visit provided the students with an opportunity to learn practically through interaction, observing working methods and employment practices. It also gave the students an exposure to current working practices as opposed to theoretical knowledge being imparted in their college classrooms.

The total number of students who went for the visit was 60 and they were accompanied by 4 faculty members from the Department.

SPORTS MEET 2K22

The **Department of Food Technology**, Excel Engineering College (Autonomous) organized "GRAES sports meet 2K22" on 24.09.2022.

The Year-III and Year-IV students of Food Technology participated in this event and keenly competed in the sports ground.

The girls students played Volley Ball, Throw Ball and Kho-kho. The boys played Football and

Volley Ball under the supervision of their faculty members. 25 students took part in the competitions and 3 staff members were present with them all through the games.
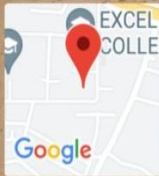

IDEA PRESENTATION ON ROBOTICS AND ITS APPLICATIONS

The Department of Artificial Intelligence and Data Science conducted an 'Idea Presentation on Robotics and its Applications' on 06.08.2022 at 10 AM in B1 Block-Lab.

During the Idea presentation, students formed groups and presented basic ideas about robotics and their applications. Students from a group presented their viewpoints regarding space robots and military robots. They discussed about the need for robots in the military and their working principles.

Another group of students presented their ideas about Industrial Robots. They shared about the applications of robotics in the industrial field.
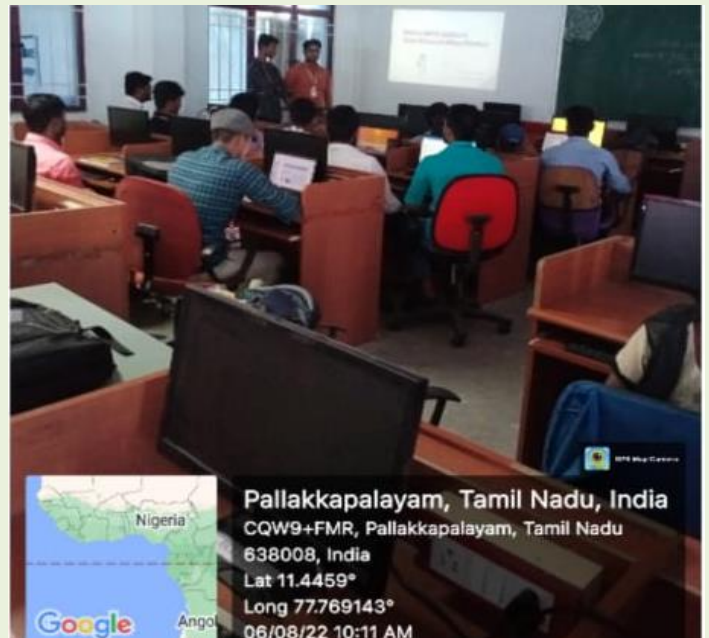
Teacher's Day was celebrated in the Department of Artificial Intelligence and Data science on 05.09.2022 at 9:30 AM at B1 Block, Room No. 302.

During the function, the Head of the Department of AI&DS spoke about the importance of teachers in the society. She emphasized the responsibility of teachers to mould character. And she spoke about the expectations of a teacher from students.

The students honoured all the faculty members by offering them mementos and sweets.

Engineers' Day was celebrated in the Department of Artificial Intelligence and Data Science on 15th September 2022 in B1 Block, Room No. 208.

The Head of the Department, AI&DS spoke about the first engineer in India Sir M. Visvesvaraya. She also spoke about the need for engineers and the responsibility of engineers towards the nation. An engineering student from the department spoke about the responsibility of the students who are pursuing engineering to build a better society.

Industrial Seminar on Becoming an Oracle-Certified Professional

The Department of Artificial intelligence and Data Science organized an industrial seminar on 'Becoming an Oracle-Certified Professional' on 17.09.2022 at 10 AM in B1 Block, 4th floor, Room No. 401. The resource person for the program was Mr. Sivaraman from CondSyz Industry, Coimbatore.

The Guest Speaker spoke about the certification of the ORACLE program and its current value in the market. He emphasized the importance of ORACLE certification for the students. He spoke about Full stack Programmer which is a very highly paid area for the students, and stressed the need to complete the course on full stack Programmer.

The Dept. of ECE conducted an Awareness programme for students on their Code of Conduct on 01.08.2022.

The coordinator for the same was Mrs. Tamilarasi, HoD/ECE who imparted to the students their duties and responsibilities as scholars who have spent one year or more in the campus.

The Dept. of ECE conducted an Awareness programme for students on their 'Duties and Responsibilities', on 01.08.2022.

The coordinator for the same was Mrs. Tamilarasi, HoD/ECE who imparted to the students their duties and responsibilities towards their juniors as and when they join.

The **Rotaract Club of Excel Engineering College** organized a mega Blood Donation Camp in unison with Tamilnadu Voluntary Blood Bank & Research Centre, Erode, on 15.09.2022, at VKR Central Library, EEC Campus, and 242 units of blood was donated by the students and faculty of Excel Engineering College.

The Principal of EEC cum the Executive Director of the Technical Campus, Dr. K. Bommanna Raja, M.Tech, PhD, presided over the Camp, and Dr. Anbukaruppusamy, Director-Admin, felicitated. It his speech, the former stressed the point that Blood Donation Camps like this saved the life of patients fighting for life in hospitals. The Coordinator of the Rotaract Club, Dr. N. Venkatachalam, ASP/Mech, thanked the Chief Guests and all those who volunteered to donate blood and make the Blood Donation Camp a grand success.

The **Department of Safety & Fire Engineering,** under the guidance of Dr. N. Natarajan, HoD, organized a guest lecture on **"Hazard Analysis and Risk Assessment in Construction Industry"** on 06/09/2022 from 2:30 pm to 4:30 pm at Paavaiyammal Hall, Excel Engineering College.

The Chief Guest was Mr. M. Thukkaram, EHS Advisor in SEPL Pvt. Ltd., Chennai, and Dr. K. Bommanna Raja, the Principal, presided over the function. The Chief Guest spoke about the various hazards and risk assessment processes used in the construction industry, along with the Check List to be maintained for safety. He spoke about the current industrial opportunities to the participants, and shared his industrial experience to the participants in the interactive session.

The program was coordinated by Mr. N. Prithiviraj, Mr. B. Surender & Mr. S. Saravanakumar, Assistant Professors of Safety & Fire Engineering. 68 students participated. and learnt about the topic and clarified their doubts.

The NSS & YRC Clubs of Excel College for Commerce and Science conducted Sadbhavana Diwas Pledge on 18.08.2022 at Excel College for Commerce and Science Campus at 4:30 pm. The pledge was administered by Mr. B. Balasaravanan NSS Programme Officer, in the presence of Dr. R. Vimal Nishant the Principal. The aim of sadbhavana is to promote National Integration and Communal Harmony among people of all religions, languages and regions. Around 40 faculty members participated and took pledge during the programme, in the presence of the Programme Officers: Mr. B. Balasaravanan, Mr. R. Sutharsanam, and Mrs. V. Jayabharathi.

The Hon'ble Chairman's Message on EPS (CBSE) beginning Offline Classes

"Excel Group Institutions as a vibrant and ever-growing unit is witnessing the birth of the youngest member to its fold – Excel Public School (CBSE). I feel proud to see that the Director, Principal and the teaching staff made an indelible impact in the minds of little children with the online classes for the past 18 months. It is the parents who have been impressed beyond measure with the dedicated effort of the teachers who kept their children gainfully occupied, imparting erudition as well as values during the Covid Season, where technology beat the constraints created by the pandemic.

"I am aware that the school management team is employing various methodologies and pedagogical approaches that will go a long way to make our school the best in South India, not in terms of the marks scored by the students in their Board Exams but in terms of the values imbibed by them that would make them socially productive citizens who will strive to make our nation a better one. In this regard, I am convinced that the best asset of our budding school is the group of teachers empowered to lead and guide every little child who enters the portal of EPS.

"I feel certain that this Newsletter that showcases the achievements and activities that have

▶▶ குமாரபாளையம் எக்ஸல் பப்ளிக் ஸ்கூலில் நடந்த குழந்தைகள் திருவிழாவில் பங்கேற்ற நிர்வாகிகள்.

குமாரபாளையம் எக்ஸல் பப்ளிக் ஸ்கூலில் குழந்தைகள் திருவிழா கோலாகலம்

■ நாமக்கல் குமாரபாளையம் ரோட்டரி சங்க

been going on in the Online Campus of EPS is bound to make the children and their parents happy and satisfied to the fullest. I take this opportunity to thank all those who worked to get ready the state-of-the-art school building that will provide the best of infrastructure to make education wholesome, holistic and finally altruistic."

Rtn. Prof. Dr. A.K. Natesan

The **Women's Empowerment Cell** of Excel Engineering College organized a Webinar on "Menstrual Hygiene" on 13.08.2022, from 10:00 am to 12.00 pm. Session-I was handled by Mrs. Nitya Chaudhary, CSR Executive, Unicharm India, Global Hunt Foundation.

Session-II was handled by Ms Roshnee Bhowmick, CSR Executive, Unicharm India, Global Hunt Foundation. Ms A. Anitha Rani, AP/ECE, the WEC Coordinator, saw to the successful conduct of the event. The participants consisting of 95 girl students and 13 lady faculty benefitted from this event.

The topics covered consisted of: Menstrual Hygiene benefits; Health benefits of the girls; Abnormalities of menstrual problem; Maturity level of both boys and girls; Menstruation definition; Reproductive phase in women; Peer pressure; Mood swing etc.

Smart India Hackathon 2022 Grand Finale
(Software Edition)
Senior Edition

The 25th & 26th of August saw the Excel Campus become a beehive of electronics-oriented activity with student groups from eminent engineering colleges from different parts of India come together to prove their prowess in finding technological solutions to the various problems calling for a solution from the innovative capacity of the engineering students.

Excel Engineering College (Autonomous) witnessed two glorious days of human effort grappling with technology as 27 teams of Engineering students, each numbering 8 to 10, from the length and breadth of our nation, sought to bring out technological solutions to the problems plaguing our world.

The teams, with fantastic names, registered themselves on 24.08.2022 at 5 pm, and began to set up their systems and gadgets. The Hackathon was inaugurated at 8 am on 25.08.2022 by Mr. Durai Palani, Chairman, CII, Erode, in the presence of Prof. Dr. A.K. Natesan, the Founder and Hon. Chairman of Excel Group Institutions, Dr. Mathan Karthick, MBBS, the Vice-Chairman, and Mr. Param Dixit, Head of the Nodal Centre for Smart India Hackathon.

The enterprising software engineering students set to work in earnest, and came out with wondrous solutions to day-to-day problems using technology. Of the 27 teams of 10 students each, the following teams were declared winners:

Smart India Hackathon 2022 - Winners List

No	College Name	Team Name	Prize
1	Koneru Lakshmaiah Education Foundation, Guntur	Arise and Educate	Joint Winners
2	Vellore Institute of Technology University	RPAI Slate	
3	RSR Rungta College of Engineering & Technology, Bhilai.	H2O SAVER	Joint Winners
4	Vidya Jyothi Institute of Technology	KIRA	
5	B M S Institute of technology, BANGALORE	Code_18	Joint Winners
6	Indore Institute of Science & Technology, Indore.	VI QR CODERS	
7	M.KUMARASAMY COLLEGE OF ENGINEERING, KARUR	MKCE_CODERS	winner
8	GALGOTIAS UNIVERSITY	XTREME!	winner
9	Thiagarajar College of Engineering, Madurai	HUSTLER$	winner

The Chief Guest speaks at the Graduation Ceremony of Excel Engineering College (Autonomous):

"ANY CHANGE IN THE NATION SHOULD BEGIN WITH A CHANGE OF SELF",

says Senior Scientist of TN State Council of Science & Technology

Komarapalayam, 25.09.2022. Dr. R. Srinivasan, Member Secy, TNSCS&T, was addressing the large group of 1817 graduands assembled in the spacious Excel Convention Centre, for the Graduation Ceremony of Excel Group Institutions (EGI)' second batch, consisting of the graduands of Excel College of Engineering & Technology, Excel College of Architecture & Planning, and Excel Business School (Autonomous), located at Komarapalayam, Namakkal, and affiliated to Anna University, Chennai.

The Chief Guest pointed out to the graduands that they could only change themselves; and that it would change their families in turn; which would again change their society and finally the whole country would get changed. He gave them a mantra for success: 'perseverance, patience & perspiration'; and added that success is attained by hard work and not by chance, as 'real gold does not fear the furnace'.

In his presidential address, Prof. Dr. A.K. Natesan, the Founder and Hon. Chairman of EGI, a conglomeration of 15 Institutions, told the graduating students as well as their parents that Excel had a distant vision in all its expansionist

endeavours. Toddlers aged 3, could join the Pre-KG of Excel Public School (CBSE), then join a course in Engineering, or Arts & Science, or Medical Studies, complete the PhD and then, not only hold the wedding at Excel Convention Centre, but even have their baby's delivery at Excel Multispeciality Hospitals. Every branch of Excel AYUSH Hospital was aimed at making Health Service available to the villagers of the locality at an affordable rate.

The Guest of Honour, Mr. R. Chellappan, Founder & MD of SWELECT Energy Systems Ltd., Coimbatore, said that from all streams of studies, business masterminds are needed to change the Business Sector, like the eagle that flies above the clouds to avoid rain. The Special Invitee, Dr. L.S. Jayagopal, the MD of Mithran Structures, Pvt. Ltd., highlighted the Core Engineering employment opportunities that awaited Indian Engineering graduates in the Middle East, Far Eastern Countries as well as in the SAARC countries. Dr. K. Bommanna Raja, Principal, Excel Engineering College (Autonomous) cum Executive Director for Excel Technical Campus, made the newly certified graduates repeat after him the solemn Graduate's Oath.

(Reported for Newsprint by Dr. Thomas Mathew, Professor/English)

5th September 2022, saw Excel Engineering College honouring its teachers and appreciating their contribution to the growth of the students as well as to that of the Institution that had completed 15 years since its inception. The Programme was held in APJ Abdul Kalam Hall and the Vice-Chairman, Dr. Mathan Karthick, presided over the function.

The Vice-Chairman, in his Presidential Address, recalled the milestones and the speed with which Excel has travelled and requested the staff to keep up the same tempo that has made it reach not only the pinnacle of higher education, but also the very foundation of education by establishing Excel Public School (CBSE), in addition to the height of service through Excel Multispeciality Hospitals.

EXCEL ENGINEERING COLLEGE (AUTONOMOUS), KOMARAPALAYAM

HR Conclave – 03.09.2022

Report of the Inaugural Function

The VIPs make their Entry into the Conclave

The Inaugural Session of the Conclave began at 10:30 am in the Convention Centre. All the dignitaries and specially invited guests arrived on electric vehicles in keeping with the tenor of the technical event in which more than 1500 students of Excel Engineering College took part. After the *Tamil Thai Vaazhthu,* the Welcome Address was given by Dr. Bommanna Raja, Principal/EEC & Executive Director/Technical Campus/EGI, which was followed by the lighting of the *Kuthuvilakku.*

In his Presidential Address, the Hon. Chairman, Prof. A.K. Natesan, impressed upon the minds of the students the importance of keeping up with their studies diligently. He recalled the fact his father who had only studied up to Grade V and took to farming after that, encouraged him to go on securing a second Postgraduate degree though he had secured a professor's job with the first degree. He went into the details involved in searching all the avenues open to them to become the best that they can be. And he thanked the Corporate HRs present for their interest in the students of Excel that made them generously condescend to sign MOUs with the various Departments of EEC.

The Vice-Chairman of EGI, gave a felicitation speech that cheered the students and encouraged them to utilize all what was available in the Excel Campus for their future career, as they were luckier than all their passed-out seniors with so many more avenues now open to them. After his speech, the ceremony of officially handing over and exchanging of MOUs took place and the participating students were beaming with joy at the prospects they would have after passing out of EEC.

In the Chief Guest's address, Mr. Hari Balachandran, CEO, ICT Academy, Chennai, spoke words that sank into the minds and hearts of the students as well as all other participants. He began with a shock treatment by telling the students that all what they learnt might become outdated by the time they finished their course after a short span of 4 years. However, he assured that the basic fundamentals will be of use to them throughout their life. He added that a motor vehicle company would like to hire a mechanical engineer who has some knowledge of Electronic Engineering as well. Technology had become interconnected and it was upto the students to be ready for what lay ahead of them. He encouraged them to study on a daily basis and to never stop studying till their last breath.

After exchanging the MOU, Mr. Shakthiguru Radhakrishnan, the Regional Manager & Academia Excellence Consultant, HEI, Skill-Lync, Chennai, gave four short statements as the mantra for the students' success in their career. He exhorted them to develop knowledge; develop skill; develop confidence and to develop resilience.

Dr. Balaji Madhavan, Head of the Training Division of Guruda Aerospace Pvt. Ltd., exchanged an MOU with the Dept. of Aeronautical Engineering and in his guest address, mesmerized the audience with his narration of the wonders that were being done using Drones in areas such as Food Delivery, Fertilizer

Showering, Solar Panel Maintenance, Chimney Cleaning, High Tension Electricity Cable Mounting between Pylons, etc.

After the Vote of thanks proposed by Dr. R. Yuvaraj, the Placement Officer, the dignitaries on the dais as well as all the students dispersed for tea break. Then followed various talks by the Guest Experts in their respective fields at different venues for students divided into groups. The ardent participation of the students, as well their interaction with the resource personnel, was noteworthy.

The Session by Dr. Vaijayanthi, HR & Admin, IBM Inc., for the Circuit Branches

(Report by Dr. Thomas Mathew / Prof. & HoD of English)

Shortage of Drinking Water – The Future Shock

'Water, water everywhere; not a drop to drink' is an oft quoted line from S. T. Coleridge's classical poem 'The Rime of the Ancient Mariner'. The scene is the waters of the ocean where a sailor drink all alone in a ghost-like ship for the crime of having gone against nature. He is thirsty for days without a drop of drinking water. And the scene we have now is that of some human beings struggling to keep themselves alive as they are surrounded by dirty, muddy flood waters, as a result of mankind's apathy to nature despite the numerous earlier warnings given by nature.

The ability to supply safe, potable (drinking) water to all its citizens will now mark the criterion for a government's longevity in holding office. It is not the scarcity of water alone that frightens us; it is also the torrential rains, the cloudbursts and the avalanches due to the overall rise in temperature. When countries like the Republic of the Maldives fear the submergence of two thirds of their islands within a span of 30 years, we have countries with hilly terrain constructing dams, which undeniably causes imbalance in the natural logistic formation of the earth's land surface.

The pristinely pure water emanating from its mountainous sources are polluted at the very underground spring from which God's free gift spouts up. Man has come to inhabit forest land for temporary periods of time in the name of tourism, which has also come to be a continuous flow as the stream itself. The land is strewn with toxic substances which percolate down and mix with the ground water.

We have reached a stage where river water or canal water is unfit even for bath or washing clothes. All the effluents from factories, dyeing units and sewage are sent out to join the river. The rules regarding effluent treatment plants and recycling of industrial waste water are implemented haphazardly. India, for one, may not be able to follow the footsteps of many island nations and the countries of the Middle East in setting up desalination plants to convert sea water into potable water.

The reasons for the above are many. First of all, it is not cost effective in the total process and in spite of the Government's goodwill, it will not be practical for all, though inevitable in the long run as the only alternative. All the island nations and the Gulf countries of the Persian Gulf are small in size and the population is centralized. The interior villages of India are thousands of kilometres away from the sea shore and they are scattered miles away from one another. The task of producing large quantity of desalinated water and making them reach extremely remote places is a Herculean task.

If there is going to be a Third World War, it is certainly going to be on the issue of right to sources of potable water. And it is going to be a war in which no one is going to win because people from both the sides are going to die of thirst and food contamination. Well, these are thoughts just to prevent the worst from happening by our lack of foresight and fore thought. Let us think in terms of preserving our nature, not polluting our water sources and fresh water bodies. Let us individually as well as collectively take steps to go along with nature, and not against.

-   Dr. Thomas Mathew Devdan