



Loyola-ICAM College of Engineering and Technology (LICET)
Department of Electrical and Electronics Engineering
Electrical Engineers League (EEL)

Under

AICTE – Scheme for Promoting Interests, Creativity and Ethics among Students
(SPICES)

Event Report

Category: **Student Orientation Programme**

Title of the Event: **Igniteen'22**

Date: 31-10-2022 to 22-11-2022

Venue: G01 (Auditorium)

Details of Participants

● Total No. of Participants: 62 ● I EEE (Batch: 2022 – 2026) : 62

Technological/ Academic/ Other benefits generated by conducting the event with respect to:

(a) the institution	<ul style="list-style-type: none">● Networking & building brand recognition - promote the institution and help people connect with our brand● Showcase the facilities at the institution by bringing the faculty from premium institutions
(b) the faculty	<ul style="list-style-type: none">● Strengthen faculty community and build relationships with each other● Meet like-minded individuals in person and encourage active engagement
(c) Students	<ul style="list-style-type: none">● To stay on the top of current trends, especially with technology, causing rapid change across many different industries.● Academic engagement/ engagement in scholarly activities
(d) Industry/ Society	<ul style="list-style-type: none">● Clarifying the image of the avenues of development in the near future● Contributing to make the literacy rate rise higher thereby helping build a more educated, empowered and aware society

Proceedings of the event

Category: Student Orientation Programme

Report on Igniteen'22

Date: 31-10-2022 to 22-11-2022 Time: 08:00 am to 04:00 pm Venue: G01 (Auditorium); Classroom

Audience: I EEE (Batch: 2022 – 2026)

Igniteen, the Students Induction Programme of 2022 under AICTE-Scheme for promoting interests, creativity and ethics among students (SPICES) was planned from 31.10.2022 to 22.11.2022. It was organised to bridge the gap in the skills of the students transitioning from the school to the college level. Various sessions were conducted to mould the students holistically and to get prepared to take up their professional degree. The programme started with an inauguration on 31.10.2022 at 9:30 am in the Bertram Hall. The inaugural function started with a prayer service. The officials & HoDs were introduced by the Director, Rev. Fr. Soosai Sebastian, SJ. The chief guest Rev Fr Francis P Xavier, SJ addressed the students and gave them insightful points on how to follow one's dream and the guidance of the inner voice. The parents were then addressed by the officials in G 01; and the students were parallelly addressed by the Head of the Departments and Faculty advisors of the class.

The following are the sessions planned and conducted for the students with the details of the resource persons who handled it.

History of Jesuits

Rev Dr Joe Arun, Director, LIBA spoke on History of Jesuits. This session was planned to make students aware of the History of Jesuits; and how Jesuits were responsible for starting nearly 3,897 institutions across 96 countries of the world. He also made students realise that these institutions aim at the integral and personal formation of youth. He informed the students that LICET's intention is to form men and women for others and that the college forms 'engineers who would engineer a just society.'

Self- Awareness

Rev Fr Sebastian Soosai, Director of LICET created awareness among the students, to realize their ability to understand that self becomes the focus of attention. The session also enabled students to perceive, understand and realize things that make them know who they are as an individual including the personality, actions, values, beliefs, emotions, and thoughts.

Code of conduct

Dean of students Dr Caleb Chanti Raj addressed the students on the code of conduct that has to be followed in the college.

Self-Management

Students were taught to manage anxiety by managing time; and planning the work and assignments. Steps to focus on the soul that will reflect on managing the mind and body were also taught to the students.

Resource Persons: Mr Regis, HoD, Mechanical Engineering, Mr Pandian, AP/Mech, Mr Infant Raj, AP/EEE, and Ms R. Nilavu, AP/English handled the session.

Motivation

This session focused on motivating the students to enjoy learning, participate in co-curricular and extra-curricular activities, focus on career, develop trust and build relationships that will take them a long way.

Resource Persons: Mr Mohamed Aazif S, AP/Mech; Dr Tomy Scaria, Asso Prof/S&H; Dr. S. Dhilipkumar, AP/ECE, Dr. N. Godwin Raja Ebenezer, Prof./Mech, Ms. Dhaya Mary, AP / CSE

Stress-Management

This session on Stress management focused on managing anxiety, pressure and stress. Various day to day happenings were quoted and students explored the reasons that made them understand that making hasty decisions is not advisable. Students were also insisted to management time and plan things ahead to avoid getting stressed. Further, it was insisted that having eustress is a positive sign that helps one to move forward.

Resource Persons: Ms. Nilavu, AP/S&H, Ms. Reeta Carolin, AP/S&H, Ms. Shenbaga Devi, AP/S&H, Ms. Kirupa, AP/S&H, and Mr. Mohamed Aazif S AP/Mech addressed the students on this topic

Case Studies

Students were trained to analyse on any of the social, environmental, and political issues and come up with solutions. Students' analytical thinking, creativity and ability to provide possible solution for any of the issues were studied. Students were given issues which they discussed in groups and identified solutions for it.

Resource Persons: Ms. Nilavu, AP/S&H, Mr. Arulselvam, AP/S&H, Ms Kavitha V, AP/IT, Dr. S. Dhilipkumar, AP/ECE, Ms. Kirupa, AP/S&H

UHV Modules

This session on Universal Human Values enabled students to understand how to create harmony with self, harmony in the family, harmony with society and harmony with environment.

Resource Persons: Ms Ann Christiana, Mr Mario Cassion Anand, AP/S&H and Mr John Mathuram AP/Mech

Body, Mind and Soul

This session was on yoga to keep the body, mind, and soul refreshing and rejuvenating. Students were also trained in breathing exercises.

Resource Person: Mr Nanda, Physical trainer.

Mathematics and Science Projects

Students learnt by doing. They had a different experience of converting an application into a project in Maths as well as Science.

Resource Persons: Ms SA Josephine, Mr Arul Selvam, Dr Mike Dison, Ms Shenbagadevi, Ms Kirupa, Dr G Kavitha, Ms Reeta Caroline, Dr Mary Jaculine, Assistant Professors/Science and Humanities.

Department sessions

The departments had their preparatory sessions giving inputs on different labs, taking up in-plant training, doing projects, knowing the importance of industry visits etc. Students also had guest lectures and talks by alumni.

Design Thinking

Students were introduced to Design Thinking that enabled students to develop an empathy-driven mindset, a deeper understanding of objectives planned, and an ability to design solutions that are simple, productive, and compelling.

Resource Persons: Mr Regis, HoD/Mech; Mr Remegius Praveen, AP/CSE; Mr Infant Raj, AP/EEE; Mr Mahimai Don Bosco, AP/ECE; Ms Nirmala, Asso Prof/CSE; and Mr James Deepak, AP/Mechanical

Personality and Character Development

Students were introduced to the different clubs of the college and were encouraged to enroll in anyone of the clubs. The importance of being a part of a club was also explained. NSS, NCC, BEAT, Literary Club, Science Club, Rotary Club, YRC etc. are some of the clubs at LICET that students could enroll.

Resource Persons: Dr G. Kavitha, AP/SH; Dr. Mike Dison, AP/SH; Mr Mario Cassion Anand, AP/SH; Ms Shenbagadevi, AP/SH; and Ms Reeta Caroline, AP/SH

Importance of Coding

In recent years, it has become increasingly important to learn coding skills. As a student, learning coding is far more than developing skills to build or manipulate code for computer programs or video games.

Importance of Coding skills was explained to students, so that students will learn problem-solving skills, future-ready career skills, creative thinking, building persistence, gaining confidence, and supporting digital equity.

Resource Persons: Dr Gopala Krishnan, Professor, CSE; Ms Nirmala, Asso Prof, CSE; Ms Dhaya Asst Prof, CSE and Ms Viancy, AP/IT

Coping with Transition

At one point or another, students need to adjust to changes occurring in their lives. Some changes are planned and others may be unexpected. If unexpected, these transitions can create stress and sometimes can be over whelming. Students were given inputs to overcome such transitions by accepting changes, creating space for reflection, focusing and finding a solution, and by engaging in self-care.

Resource Person: Ms Christina, Counsellor, Loyola College.

LICET Credits

Students were explained the introduction of LICET credits System that focus students' involvement not only in academics but also various extra-curricular activities. Students were explained the methodology of quantification of the activities participated and the credits that would be awarded to each of the activity.

Resource Persons: Ms Christina, AP/CSE, Ms. L. Ramya Hyacinth, AP/EEE and Ms. Shenbaga Devi, AP/S&H.

Note Taking

Note -taking is an important skill that a student has to acquire while listening to the lectures or any meeting. Students were explained the different methods of taking notes. The nuances in note taking, its importance and benefits in better understanding the lectures as well as scoring good marks in exams were explained by the resource persons. Activities on taking notes were also conducted.

Resource Persons: Dr Tomy Scaria, Asso Prof (Physics) Ms. Ramya Hyacinth, AP / EEE, Dr. G. Kavitha, AP / SH

Importance of Mentoring

Dr Inba Remy, Vice-principal addressed the students on the importance of Mentoring. LICET gives prime importance to mentoring. Mentoring helps and guide students to support their personal development. It is a learning relationship and it generally focuses on long term career development.

Entrepreneurship

Mr Pandian, AP/Mech and Students of BEAT club explained and motivated the students on this. BEAT (Building Entrepreneur Among Techies) club of LICET guides students for an Entrepreneur- to-be. The changing market

conditions have thrown up opportunities as well as threats for emerging businesses. This club introduced the freshers to develop the entrepreneurship in them and to tell the know-how of what businesses are today like.

Ice Breaking sessions

Rev Fr Sebastian Soosai, SJ, Director handled this session by making students feel comfortable by breaking the ice. Students paired themselves at different points of time that helped them meet different students. Every time the student had the opportunity to interact with different people and finally the students who they liked and why.

Envision

The Institution Innovation Cell of LICET helps students to initiate technical projects that are purely innovative. Envision projects were introduced to the students on activities such as ideation, concept development, design thinking, intellectual property rights, project handling and management etc. Final year students of LICET helped them execute in the selection of projects and presentation of ideas.

Dr Godwin, Prof, Mech; Dr William Christopher, Asso Prof, EEE; and Ms Limsa Joshi, Assistant Professor, CSE along with Final years co-ordinated the sessions.

Awareness to Child Protection Policy and Committee

The awareness to protect 40% of the young population which is not only a matter of their human rights but also an investment towards building a robust nation was explained during this session. As the Child Protection Policy was applicable to all educational institutions, a special session was arranged to explain them various acts pertaining to protection.

Rev Dr Irudhaya Raj, Child Protection Officer, Loyola College addressed the students.

Implications of social media – Using it Right

The growth in social media use has given rise to concerns about the impacts it may have on users' psychological well-being, particularly the students. Awareness on cyberbullying, social anxiety, depression and exposure to content that is not appropriate was created. Students were insisted not to get addicted to it and use it appropriately.

Mr. Prabhu Shankar, AP / MECH, Mr Mohamed Aazif S, AP/Mech, Mr M Karthi AP/Mech, and Ms Anitha E, AP/IT handled the session

Indian Constitution and Basic Rights

Students were educated on Indian constitution and basic rights. Mr Tim Moses, Lawyer educated the students on this topic.

Library Orientation

An orientation on LICET Library was given to the students. Students were explained about the general books, story books, books in the department library, utilisation of online resources, magazines, and journals available online for the students.

Dr Gunasekaran, Librarian oriented the students.

Academics – Activities

Besides many other sessions, Activities based on creativity and kindling interest to learn the subjects were given to the students. This infact, helped them to understand the transition it has got from the subjects learnt at school and expected to learn at college. On the whole, students found the session useful and informative.

Relevant Program Outcomes

- PO1 – Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2 – Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3 – Design/development of solutions: Design solutions for complex engineering problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4 – Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5 – Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- PO6 – The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7 – Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable development.
- PO8 – Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9 – Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10 – Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11 – Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12 – Life-long learning: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Feedback

