IEDC ANNUAL REPORT

Jyothi Engineering College

2022 - 2023

Vision of the Institute

Creating eminent and ethical leaders through quality professional education with emphasis on holistic excellence.

Mission of the Institute

To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programs with state-of-the-art facilities. To equip the students with appropriate skills for a meaningful career in the global scenario. To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives. To participate in the development of society through technology incubation, entrepreneurship, and industry interaction.

Objectives of the IEDC

To inculcate entrepreneurial orientation among students through formal and non-formal programs. To enhance interpersonal and leadership skills by organizing workshops, invited lectures, project exhibitions, etc. To create, inspire and empower a young generation of self-reliant individuals. To take them a step ahead for the development of the nation by developing an entrepreneurial and innovative mindset

Index

<u>SI.No</u>	Titile	Page.No
1	Executive Committee	4
2	Robot Operating System – Workshop	5
3	Web Design Challenge	6
4	IEDC Orientation	7
5	Demo Day Series:Day 1	8
6	KSCSTE	9
7	Demo Day Series:Day 2	10
8	Demo Day Series:Day 3	11
9	Building your brand for career growth.	13
10	Demo Day Series:Day 4	14
11	Fablab Training	15
12	Startup Awareness and Leadership Training (SALT) 2.0	17
13	Startup Awareness and Leadership Training (SALT) 3.0	18
14	Web Development-Workshop	19
15	Introduction to Machine Learning & Programming	20
16	Introduction to Blockchain-Workshop	21
17	Professional Student Summit	22
18	Employee Development Program	25
19	FOSS@JECC Inauguration	26
20	Hackathena	28
21	IEDC Summit 2023	29
22	Student Achievements	30

IEDC Executive Committee 2022-2023

IEDC Faculty Chairman : Mr. Anil Antony (Nodal Officer, AP-CSE)

IEDC Faculty Convener :Ms. Akhil Balakrishnan(AP, EEE)

Faculty Members : Mr. Jinesh K.J. (AP, MR)

: Ms. Roshini Rajan (AP, ECE)

: Ms. Jeffy Johny (AP, CE)

: Mr. Nice Menachery (AP,ME)

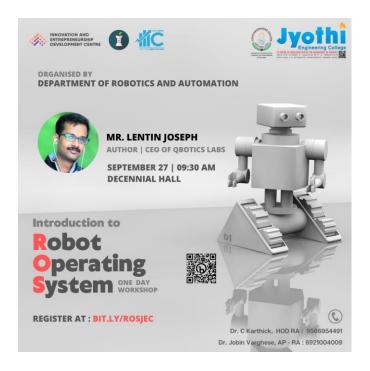
: Mr. Jayakrishnan A (AP,AD)

IEDC Student Coordinators 2022-2023

CEO	AMAL SHIBU (CSE)	ACEO	NAVANEETH (RA)	VISMAYA THANKAM JOHN (RA)
СТО	AJIN K.J.(MR)	АСТО	ARJUN M S (CSE)	AGNA ROY (CE)
COO	ALEESHA P MAXWELL(CE)	ACOO	ARUNIMA ANIL (AD)	JOYAL PUTHUR (EEE)
СМО	VICTOR VARGHESE (EEE)	АСМО	SNEHA C SHAJI (CSE)	SACHIN RAJ M (AD)
CSO	BOUDHIK S (ME)	ACSO	GAUTHAM J (MR)	SHIBIN M S (CSE)
ссо	SIDHARTH S UNNITHAN (CSE)	ACCO	SEPHAN PAUL JOPHY (ME)	GRACE MARIA GEORGE (MR)
CFO	AISWARYA HARIHARAN (ECE)	ACFO	SIDHARTH K V (EEE)	SNEHA P S (CSE)

Robot Operating System - Workshop

Date : 27 September 2022 Venue : Decennial Hall



The Department of Robotics and Automation, in collaboration with IEDC - JECC, hosted an exciting oneday workshop on Robot Operating System (ROS). The workshop provided a comprehensive introduction to ROS and allowed the attendees to explore its features in a hands-on manner.

The participants showed a great deal of enthusiasm and interest throughout the session. The instructor delivered the content in an engaging and interactive manner, making it easy for the students to grasp the intricacies of ROS.

The workshop provided an excellent opportunity for the attendees to learn more about the rapidly advancing field of robotics and automation.

Web Design Challenge

Date : 16 October 2022 Venue : Online



To commemorate National Innovation Day, the IEDC - JEC, in partnership with the Institution's Innovation Council (IIC), organized a web development challenge. The event aimed to foster innovation and creativity among participants, test their technical abilities, and encourage teamwork in web development. The challenge was a resounding success, providing a platform for participants to showcase their talents, learn from each other, and gain new perspectives on the latest web development technologies and techniques.

IEDC Orientation

Date : 26 October 2022 Venue : Civil Seminar Hall



On 26th October 2022, an orientation program on entrepreneurship and startups were conducted for the first-year students of Jyothi Engineering College by the Innovation and Entrepreneurship Club. The objective of the orientation was to introduce the students to the concept of entrepreneurship and its significance in the current economic scenario.

The orientation covered various topics related to entrepreneurship and startups, including the skills and qualities required to become a successful entrepreneur, the process of generating and validating ideas for a startup, developing a business plan, funding strategies, legal and regulatory requirements, marketing and branding strategies, and risk management.

The program was designed to encourage the students to think innovatively and explore the possibilities of becoming entrepreneurs. It aimed to provide them with a clear understanding of the various aspects of starting and running a successful business. The orientation was highly beneficial.

Demo Day Series : Day 1

Date : 27 October 2022 Venue : Fablab



The Demo Day Series is for students /startups /innovators to pitch their products or product ideas in front of an esteemed panel of evaluators to attain valid suggestions for improving their ideas/products.

Team 1: MAXQ 1017

Idea: A door-to-door delivery system for shops in the local area

The team pitched their idea in front of an esteemed panel of evaluators, where the possibilities and the areas where the idea can be improved were discussed.

KSCSTE

Date : 29 October 2022 Venue : CUSAT, Kochi



Jyothi Engineering College was well-represented at the State-level tech fest organized by the Kerala State Council for Science Technology and Environment, with several teams presenting their innovative projects and prototypes. The event provided an excellent platform for the students to showcase their technical skills and creativity, as well as to interact with other participants and experts in the field. Overall, it was a great opportunity for the students to gain valuable insights and experiences in the dynamic and rapidly advancing field of science and technology.

Demo Day Series : Day 2

Date : 5 November 2022 Venue : Fablab



The Demo Day Series is for students /startups /innovators to pitch their products or product ideas in front of an esteemed panel of evaluators to attain valid suggestions for improving their ideas/products.

Team 1:

Idea: Fracture bone detector

The usage of movement sensing technique based upon the analysis of secondary speckle patterns in order to detect fractions in bones in a safer way

Team 2:

Idea: Automatic vaccine cage for stray dogs

The teams pitched their idea in front of an esteemed panel of evaluators, where the possibilities and the areas where the idea could be improved were discussed.

Demo Day Series : Day 3

Date : 11 November 2022 Venue : Fablab



The Demo Day Series is for students /startups /innovators to pitch their products or product ideas in front of an esteemed panel of evaluators to attain valid suggestions for improving their ideas/products.

Team 1: Idea: Expression detection using Machine Learning

Team 2: XDev Idea : Authentication module for DApps

The team pitched their idea in front of an esteemed panel of evaluators, where the possibilities and the areas where the idea can be improved were discussed.





Building your brand for career growth.

Date : 11 November 2022 Venue : Auditorium



ITalk was organized in association with Computer Science & Engineering Student Association on 11th November 2022, Friday. Dr.Saju P John HOD Of CS dept delivered a welcome speech. Dr.Jose P Therattil, Principal, JECC presided over the function. Msgr.Thomas Kakkassery, Executive Manager, JECC inaugurated the function.

The Chief Guest of the day Mr. Serin Paul, Product Manager GoTo Group delivered an informative talk on "Building Your Brands For Career Growth".

Demo Day Series : Day 4

Date : 18 November 2022 Venue : Fablab

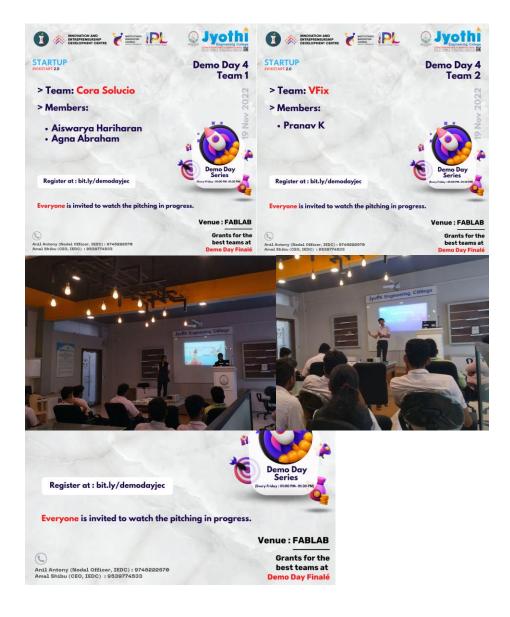
The Demo Day Series is for students /startups /innovators to pitch their products or product ideas in front of an esteemed panel of evaluators to attain valid suggestions for improving their ideas/products.

Team 1: Cora Solucio

Idea: App that suggests alternative diet plans with food items popular in the locality.

Team2 : Vfix

Idea: A platform that offers gadget services and maintenance at your doorsteps



Fablab Training

IEDC Jyothi Engineering College | IEDC Government Engineering College Thrissur

Date : 19 November, 2022 **Location** : Fablab - Jyothi Engineering College, Thrissur

The IEDC of Jyothi Engineering College and the IEDC of Government Engineering College, Thrissur jointly hosted a hands-on training on Fablab on November 19, 2022. The training was held from 9:30 AM to 3:00 PM and was attended by 18 students.

The purpose of the training was to provide students with hands-on experience in using the equipment and tools available in the Fablab, as well as to introduce them to the principles of digital fabrication and how to use computer-aided design software. The students were given the opportunity to work on a variety of projects, including 3D printing, laser cutting, and CNC milling.

The training was conducted by experienced instructors (Team Mystrix) who provided guidance and support to the students throughout the session. The students found the training to be highly informative and beneficial, and many expressed an interest in continuing to use the Fablab in the future.

Overall, the hands-on training on Fablab was a success and provided valuable learning opportunities for the attendees.





Startup Awareness and Leadership Training (SALT) 2.0

Date: 19 November 2022

Venue : Seethi Sahib Memorial Vocational Higher Secondary School, Edakkazhiyur, Kerala



The second edition of Startup Awareness and Leadership Training (SALT) was delivered to the students of Seethi Sahib Memorial Vocational Higher Secondary School, Edakkazhiyur, Kerala. The students took active participation in the activities and sessions. The students were highly motivated and took creating startups as a career opportunity. Students were encouraged to be leaders and sessions on branding and marketing was also given.

Startup Awareness and Leadership Training (SALT) 3.0

Date : 22 November 2022 Venue : Decenial Hall



The third edition of Startup Awareness and Leadership Training (SALT) was successfully delivered to the students of Government Vocational Higher Secondary School, Thrissur, Kerala. The students participated enthusiastically in the interactive activities and engaging sessions. The program aimed to inspire and motivate students to pursue entrepreneurship as a career option.

During the training, the students were encouraged to think creatively and develop innovative ideas for their startups. They were given guidance on leadership skills and were taught about branding and marketing strategies to help them develop their businesses successfully. The program aimed to equip the students with the necessary skills and knowledge to become successful entrepreneurs.

The SALT program received positive feedback from the students, who found the sessions highly informative and engaging. They expressed their interest in pursuing entrepreneurship as a career, and many of them were motivated to start their businesses in the future.

Overall, the third edition of SALT was a resounding success, and the program is expected to continue to inspire and motivate students to pursue entrepreneurship and become future leaders.

Web Development - Workshop

Date : 29-30 November 2022 Venue : Online - Google Meet



MES College of Engineering in Kuttipuram recently hosted a 2-day online web development workshop. Led by Amal Shibu and Deo Saju of S8 CSE of Jyothi Engineering College, the workshop covered the basics of web development, including programming languages and web design principles. Attendees gained practical experience through hands-on exercises and real-world examples. The event was a great success and provided valuable knowledge and skills to attendees.

Introduction to Machine Learning & Programming

Date : 27 December 2022 Venue : Online - Gmeet



Sandra M of S6 AD was the resource person for an Introduction to machine learning & programming session at Providence school of Engineering and Business. It was an informative session and most of the basics on the topic were covered.

Introduction to Blockchain - Workshop

Date : 03rd February 2023 Venue : Kulapathi Munshi Bhavans Vidya Mandir School in Thrissur, Kerala



Amal Shibu and Deo Saju of S8 CSE were speakers at a workshop on "Introduction to Blockchain" at Kulapathi Munshi Bhavans Vidya Mandir School in Thrissur, Kerala. Students were given a hands-on

Professional Student Summit

Date : 12th February 2023 Venue : Adlux International Convention Center



Professional Students' Summit (PSS) is the Government of Kerala's (GoK) maiden initiative to get professional students from varied disciplines and institutions of the state to a common arena to share ideas to build a better Kerala. The Government initiated PSS through the State Planning Board and the Department of Higher Education in 2019, with a view to motivate students to excel in their respective areas of interest and seize opportunities arising in the state and the country, and create employment.

15 Students and Nodal Officer of IEDC JEC attended the event, It was a refreshing experience for them





Aleena Paul • 1st CA at GMAT Verzeo | Content creator at FOSS|CA at EETI 3w • 🚱

. . .

PSS ' 2023 - It was a crisp autumn morning and a group of professional students from different disciplines had gathered together .The atmosphere was electric with excitement and nervous energy as they eagerly awaited the start of the meet-up.The event was organized to bring together young professionals who were just starting out in their careers and provide a platform for them to network, share experiences, and seek advice from one another. As it was my first experience, meet -up was a resounding success , give me a platform to connect , learn both personally and professionally #success #experience #event #share #careers #students #network



Sidharth KV (He/Him) • 1st EEE under grad at Jyothi Engineering College | College union General Secreta... 🗴 2w • Edited • 🔇

I had an opportunity to attend the Professional Students Summit 2023 at ADLUX **CONVENTION CENTRE**, Angamaly.

Hon'ble chief minister and educational ministers were present at the event The chief guest was Dr Krishna Ella who is the executive chairman of Bharat Biotech International Ltd. He talked about innovation and need of it in the current scenario.

The hon'ble chief minister shared us his thoughts about making the state more open for investments and innovations

It was a wonderful experience. I was able to meet many successful and wonderful people at the summit

This summit inspired me to think out of the box and work hard to reach my goals. This summit actually showed us that it's the youth who are capable of changing the world. There are a lot of splendid opportunities to grow. Its upon us to change the world and serve the nation.

. . .

Employee Development Program

Date : 16-17 February 2023 Venue : TheXtruder, Pattambi



Amal Shibu of S8 CSE, and Ashish Daniel of S8 ME were the resource people for the Employee Development program. This was done to upgrade the employees technical knowledge on various parameters.

FOSS@JECC Inauguration

Date : 16-17 February 2023 Venue : Insight Hall - Jyothi Engineering College

The inauguration of FOSS@JECC, a new community dedicated to Free and Open Source Software, was held on 18th February 2023 at Jyothi Engineering College in Thrissur which was hosted in association with IEDC JEC. The event was attended by students, faculty, and industry professionals from the tech industry. The purpose of the FOSS@JEC inauguration is to promote the use and development of free and open-source software among students, faculty members, and industry professionals. FOSS clubs are communities that are dedicated to the sharing of knowledge, collaboration, and innovation in the field of free and open-source software.



The FOSS@JECC community was officially inaugurated by the Chief Guest, Mr. Kailash, A Senior Research Engineer at Collaborative Labs and also a FOSS Enthusiast. In his address, he stressed the importance of FOSS in promoting innovation, collaboration, and knowledge sharing.

Overall, the inauguration of FOSS@JECC was a great success, providing a platform for students, faculty, and industry professionals to come together and discuss the importance of FOSS in the tech industry. The event helped raise awareness about FOSS and its potential to drive innovation, collaboration, and knowledge sharing in the tech industry.

Hackathena

Date : 24 - 26 March 2023 Venue : Jyothi Engineering College

Hackathena, is the flagship hackathon organized by the Computer Science and Engineering department and coordinated by the Computer Engineering Students Association (CESA) of Jyothi Engineering College, Cheruthuruthy; Co-Organised by the Innovation and Entrepreneurship Development Cell (IEDC) and Computer Society of India (CSI)

Hackathena Inauguration



The Official logo of Hackathena was launched by Shri. K. Radhakrishnan Minister of Welfare of Scheduled Castes, Scheduled Tribes and Backward Classes on 20th February 2023

IEDC Summit 2023

Date : 04 March 2023 Venue : Rajagiri School of Engineering and Technology

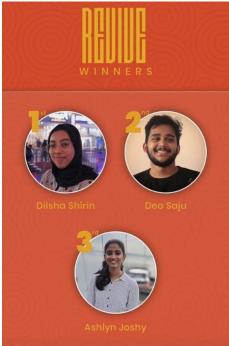


IEDC Summit is an amalgamation of events from a plethora of domains, including technology, entrepreneurship, skill development, and so much more. It facilitates as a platform for connecting student innovators, industry leaders, and various startups in addition to providing an opportunity for them to engage and network, and form connections that lasts for a lifetime.

30+ students and our Nodal Officer along with a faculty coordinator attended the event.

Student Achievements

1. Dilsha Shirin , Deo Saju and Ashlyn Joshy of S8 CSE participated in *Revive : Ui/Ux competition,* hosted by Government Engineering College - Thrissur, and won the first, second, and third place respectively.



2. Sneha C Shaji of S6 CSE participated in *Quizzo: Quiz competition,* hosted by Government Engineering College - Thrissur, and secured third place.



3. Sneha C Shaji of S6 CSE secured the Grace Hopper Scholarship'22



4. Students Team from S8 CSE, Trogen Horse won the second prize of Rs10000/- in the Magnathon, 24 hours national level Hackathon conducted by College of Engineering, Vadakara. Team Members are Deo Saju, Aneena E A, Maria Rose Thayil, and Nazish Mohammad.



5. Arjun K M of Mtech, Kishor V Gopal of S6 ME, and Navaneeth Nalesh C T of S6 RA are the winners of Dekathon: Sustainable Hackathon.



6. Ajin K J of S8 MR became the Runner up in Cisco ThingQbator : 4 Day Sustainability Hackathon.



 Amal Shibu, Sidharth Punathil of S8 CSE and Navaneeth Nalesh C T and Devdath P R of S6 Robotics are the winners in the State level in College Category at Vaiga AgriHack'23



 Arjun K M of MTech , Kishor V Gopal & Sidharth of S6 ME , Sukesh O P and Nice Menachery - AP's ME are the 2nd runners up in the State level in Open Category at Vaiga AgriHack'23.



9. Ajin K J of S8 MR received an Ideation Grant of Rs.75,000/- as a part of Idea grant hosted by Kerala Startup Mission.



10. Ajink K J of S8 MR is the Winner of *Scaleup : Ideathon on Sustainable scaling up* and has won prize amount of Rs.50,000/-



11.Team ThinkerBytes(Sidharth S Unnithan S7 CSE B , Ajin K J S7 MR and Benat Jose S7 MR) won the second prize of Rs 10000/- in LiteBytes , 24 hours National Level Hackathon conducted by IEDC GECT,Sidbi and Swavalambhan Chair For MSME Solutions.

