



CREATING TECHNOLOGY  
LEADERS OF TOMORROW  
ESTD 2002

# Jyothi

Engineering College

A CENTRE OF EXCELLENCE RUN BY THE ARCHDIOCESE OF TRICHUR

NBA & NAAC Accredited || Approved by AICTE || Affiliated to KJ Somaiya Institute of Engineering and Information Technology

JYOTHI HILLS, P. O. VETTIKATTIRI, CHERUTHURUTHY, THRISSUR - 679531



# ANNUAL REPORT 2019-2020



INNOVATION AND  
ENTREPRENEURSHIP  
DEVELOPMENT CENTRE

## **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 programmes 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 programmes.

To enhance interpersonal and leadership skills by organising 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

## **IEDC Executive Committee 2019-2020**

IEDC Faculty Chairman	: Mr. Anil Antony (Nodal Officer, AP-CSE)
IEDC Faculty Convener	: Mr. Nice Menachery (AP,ME)
Faculty Members	: Mr. Bineesh M. (AP, CSE)
	: Mr. Jinesh K.J. (AP, MR)
	: Ms. Dipin Krishnan (AP, ECE)
	: Ms. Rakendu(AP, CE)
	: Ms. Aathira (AP, EEE)

## **IEDC Student Coordinators 2019-2020**

C.E.O.	: Mr. Kokul Jose (CSE)
C.O.O.	: Mr. Abel Tomy(ME)
C.T.O.	: Mr. Riju T.R. (MR)
C.F.O.	: Mr. Arjun K.M.(ME)
C.S.O.	: Mr. Fredin Joy C(CE)
C.M.O.	: Mr. Denitha T.(ECE)
C.C.O.	: Mr. Arjun S. (EEE)

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# Startup Company signing with TBI@JECC

## Company Name - ELE Agrotech

Venue: JEC

Date:14/04/2019



### Founders

1 Varkey F Thachil

CEO & Founder

Jyothi Engineering College 2017 pass out ( Mechanical Engineering)

2. Anto Paul

Co-founder, R&D Head in agriculture production.

3. Melon Joby

Co-founder, R&D Head in automation and electronics

Jyothi Engineering College 2017 pass out (Electronics and Communication)

## Effective Presentation Skills and Idea Pitching Workshop

Venue: Decennial Hall, JECC

Date: 24th & 25th April 2019



ICT Academy associated with Kerala Startup Mission & IEDC-JECC organized a two day workshop on "Effective Presentation Skills and Idea Pitching" at Decennial Hall on 24/04/19 & 25/04/19. This workshop aims to enable students of Idea Fest2019 Finalist to make an effective presentation at the Final Presentation time. Students from 10 different Engineering Colleges total of 50 students were participated in this workshop. Mr. Ramachandran, Trainer from ICT Academy took the session for these two days.

## Idea Pitching Contest

Venue: Insight Hall,JEC

Date: 02/05/2019



IEDC in association with IEEE & IEEE IAS organised IDEA PITCHING CONTEST exclusively for Jyothians. Winners awarding with a seed funding of up to 25,000 for 5 ₹25,000 for 5 interdisciplinary projects. Among the 47 different ideas 17 of them were selected for Final Presentation. From 17 ideas presented at the venue, 5 ideas got funding of Rs.3000/- each in the first phase and after developing the prototype they are provided remaining funding.

The Ideas selected were the following

1. RETRO
2. Paper Recycler in Small and Efficient Scale
3. A gaming app for autistic people
4. Automatic Variable Container Filling Machine
5. Student Oriented Campusbook



## Nodal Officers Meet 2019

Venue: Insight Hall, JEC

Date:19/06/2019



ICT Academy of Kerala in association with KSUM organized a Half Day IEDC Nodal officers meet on 19th June(Wednesday) 2019 from 9.30 AM to 1.00 PM. at Jyothi Engineering College. About 30 IEDC Nodal Officers from colleges in Thrissur and Palakkad District attended for the meet.



## Evolve Conference 2019

Venue: Grand Hyatt Hotel, Kochi

Date: 29<sup>th</sup>, 30<sup>th</sup> June 2019



Jyothi student project team with supercapacitor battery for electric vehicles grabbed huge attention at the Kerala Govt supported Evolve conference and exhibition on e-Mobility and electric vehicles at Grand Hayat Hotel, Kochi at 29-30 June 2019. Kerala govt aims to produce a million electric vehicles in Kerala by 2022, which will boost the job perspectives of electrical engineers in a big way in the state.

## Induction for First Year Students

Venue: WAB415

Date: 06/08/2019



Mr. Mohammed Ramees, Microsoft Azure Trainer & Associate with KSUM delivered Talk on IEDC Initiatives for First Years Students in the Induction Talk series on 06.08.2019.

## Explore ML Program

Venue: Insight Hall

Date: 28/08/2019



The **Explore ML Program** as a part of Google's Explore Machine Learning Program conducted in association with IEDC-JECC and CSI designed for machine learning enthusiasts to learn ML in a fun way through videos, exercises and demos. The Resource person of this event was SREERAG R NANDAN, S5CSEB, Google's Explore Machine Learning Program facilitator.

## IEDC \*CEO talks\*

Venue: Decennial Hall

Date: 2 September 2019



IEDC inauguration ceremony of academic year 2019-2020 was conducted by the IEDC Cell of Jyothi Engineering College in association with Kerala Startup Mission on 2<sup>nd</sup> September 2019 at decennial hall. Mr Kokul Jose CEO,IEDC had given a welcome speech. The program was inaugurated by Rev.Fr.Dr.A.K.George, HoD of Computer Science & Engineering,Prof. Ratnan Vice Principal, preside over the function in Principal absense.Vote of thanks was given by Mr Fredin Joy. Chief guest of the event were Mr Aatmaj Janardhanan working as Data Scientist for Unisys Corp , Mr Sanjo Simon working as Managing Director for Triaxia Infotech Pvt Ltd and Mr Bernad Boban working for WIPRO. They shared their industrial and startup experience with the students.Mr Bernad Boban had an interaction session with the students.Mr. Dany Varghese, Asst. Professor, CSE first IEDC CEO also interacted with the students. Students actively participated in the interaction session. Winners of Idea Pitching Contest were awarded seed fund.The projects of Idea Pitching Contest were

1. B-Cam(Currency Recognizing Spectacle For Blinds)
2. Wastewheel
3. Waste water management at home
4. Student Oriented Campusbook
5. Intelligent Smart Campus.

Memento was handed over to the chief guests by Mr Anil Antony, IEDC Nodal Officer. Some of the important points mentioned by the chief guests were that "We must never be under society pressure and always listen to your heart ". "Enjoy the work that you do otherwise you will never excel in it".

## Talk on “How to start from Scratch to Entrepreneur”

Venue: EAB 415

Date: Sept 4, 2019



CESA (Computer Engineering Students Association) in associated with IEDC organized a Half Day session on 4th September 2019 from 1.30 PM to 4.00 PM at EAB 415. About 300+ students from Computer Science & Engineering Students participated. Session on “How to start from Scratch to Entrepreneur” was handled by Bimal S Parayil, Co-founder & CEO, Nintriva Technology Solutions. He was the alumni of our college.



## TALK ON COMPANY REGISTRATION, IPR, PATENT FILING

Venue: Insight Hall, JECC

Date: 28-09-2019



Talk on company registration, IPR and patent filing was conducted by the IEDC Cell of Jyothi Engineering College in association with Kerala Startup Mission on 28th September 2019 at Insight Hall. Speakers of the event were Mr Edwin Andrews, CEO of Spatez, Prof. Biju C.V IIT Research Scholar and Dr. Deepanraj of Mechanical Engineering Department. Thirty students actively participated in the talk. Talk on Company Registration was given by Mr Edwin Andrews. Talk on IPR was given by Prof Biju C.V. Talk on Patent Filing was given by Prof Dr. Deepanraj B. He explained about the application formalities to the students. He also compared about the duration required to apply now and then. Mr Edwin Andrews explained that a company can be registered as Private Limited (Pvt. Ltd) or as Limited Liability Partnership (LLP). Vote of thanks was given by Mr Kokul Jose of S7 CSE.

## IEDC SUMMIT 2019

Venue: Sahridaya Engineering College

Date:19/10/2019



Kerala Startup Mission, Nodal agency of Government of Kerala organized IEDC Summit, Asia's largest student Entrepreneurship Summit where the students get an opportunity to experience the technological diversities and advancements through a series of technology track events, brainstorming sessions, interactive community meet ups and product exhibitions.

IEDC Summit is also an avenue for participants of various units across the State to come together, to share their success stories, to learn from each other's failures, to showcase their innovative products and also to develop strong networks that go a long way in developing sustainable enterprises.

This time conducted in Sahridaya Engineering College on 19th October 2019 with lot of events like workshops, panel discussion, talks, different other technical stalls and other events that made events. From our college, staff represented were Anil Antony Nodal Officer-IEDC, Nice Menachery IEDC Staff Convener-IEDC, Jinesh K.J. TBI & Fablab incharge attended the event with students. One student Team got the chance to participate in Startup Expo there..The details of Students Project Title - Head controlled wheelchair with patient monitoring, Students names- Joseph p k, Giyo George k, Edwin Joseph..

Also Nodal officer workshop conducted at Sahridaya Engineering College on 18/10/19 in that Mr. Anil Antony attended the event represented our college.



## TALK ON 'GETTING STARTED TO OPEN SOURCE CONTRIBUTIONS'

Venue: Decennial hall

Date: 02-11-2019



Talk on getting started to open source contributions was conducted by the ICFOSS club of Jyothi Engineering College in association with IEDC and Kerala Startup Mission on 2nd November 2019 at Decennial Hall. Speaker of the event was Mr Himanshu Awasthi, Asst.System Engineer at Tata Consultancy Services (TCS) and founder of FOSS Kanpur. Seventy students actively participated in the talk. He taught the students how to contribute in the field of free and open source contributions (FOSS) by using GitHub. He talked about Richard Stallman who developed a free alternative to UNIX. He encouraged and motivated the students to actively contribute. In Hands On session he made the participants to do fork and update the content till submitting a PR. Students actively participated in the interactive session. Memento was handed over to Mr. Himanshu Awasthi by Rev. Fr. Jose Kannampuzha , Director, Jyothi Engineering College.

## DISRUPT V1.0

Venue : College

Date: 17.01.2020



DISRUPT V1.0 is a new version of project competition conducted by IEDC by internal. This program was intended to extract maximum talented and curious minds of students from JECC. 25.01.2020 was the last date to apply students for their projects. Its then extended to 31<sup>st</sup> January,

2020 due to the lots of responses from students. Finally around 90+ projects registered for competition.

The competition entry was based on engineering disciplines. Competition is divided into three levels. In the preliminary level, every project got opportunity to present their idea in front of screening committee from various departments. According to their project disciplines, screening

committee is allotted. From this, top 25 projects has been selected.

## GOOGLE EXPLORE ML

Venue : Decennial Hall

Date: 24.01.2020



Google Explore ML program was conducted on 24.01.2020 as a full day session. **Mr. Sreerag R Nandan**, *Google ML facilitator India* for Jyothi Engineering College Campus is delivered content of the session. Session was conducted in collaboration with **ICFOSS** chapter of JECC. This program managed to cover the Google Explore ML track 1 & track 2.

## Achievements

- IEDC of Jyothi Engineering College is recognized as one of the Best Performing IEDC in the state by Kerala Startup Mission.
- Jyothi Engineering College is now one among the 25 Premium Members of ICT Academy in the state. ICT Academy of Kerala, supported by Govt. of India and partnered by Govt. of Kerala, is a Social Enterprise created in a Public-Private Partnership model (PPP) for imparting technical & management skills to the youths of Kerala and improve their employability opportunities in the Industry
- Joseph P.K.(S7 EEE), Edwin Joseph (S7 EEE), Giyo George(S7 EEE), Vincy Anto(S5 CSE) and Jithin K Jose (Mentor, Assistant Professor, EEE) “HEAD CONTROLLED WHEELCHAIR WITH PATIENT MONITORING” got in to the finals of IEEE SS<sub>12</sub> Maker Fair, 2019. Finals held at Stamford International University, Bangkok, Thailand on 7<sup>th</sup> & 8<sup>th</sup> September 2019.
- Two Teams from Jyothi Engineering College have been selected for National level NASA space app challenge on 18th September 2019 at St.Joseph Engineering College, Pala. Out of 20 teams competed,4 teams got selection to National level,out of which 2 teams were from our institution. Congrats All the Winners

First Team- S7ME

Jithin P MOHAN

Akhilesh P

John Dennis

Second Team

Fadhil firoz - S5 ME A

Blison Babu - S5 MR

Allen Jose James - S5 MR

Alphin Francis - S5 MR

- Anand Murali S7CSE\_A Won Second Prize in Best Engineer in the TechFest TAKSHAK19 @ MACE Kothamangalam

Jiffin Joseph S7ME\_A,Anand Murali S7CSE\_A, Akshay Kumar M A S3ME\_A

Won Second Prize in CLUMINATI Treasure Hunt event in the TechFest TAKSHAK19 @ MACE Kothamangalam

### Tensorflow World Extended Kerala 2019

- Sreerag R Nandan of S5 CSE was invited as one of the guest speakers in TensorFlow World Extended Kerala 2019 at Sahrdaya Engineering College, Kodakara on 09/11/2019. He handled a session on Federated Learning using TensorFlow.

### **Yuva Mastermind 2020 Finalists**

- Augustin Vembil, Ayisha Abdul Ravoof, Anagha Merin Sen, Anaswara Nandan of S7CSEA under the mentorship of Mr. Shaiju Paul got selected to Yuva Mastermind Finals among 25 Projects in the State... The title of Project : Therapy AI...

### **Idea Fest 2019 Winners**

1. Team got Funding  
Team - Lyza for Women  
Mentors- Ms. Aswathy Wilson, Mr. Jinesh K.J  
Team Members - Asna, Ajaz, Emmanuel, Anirudh, Catherine, Bini, Jima
2. Team under Mentorship category  
Team - Pesticlear  
Mentor- Mr. Fepsulin Athishmon  
Team Members- Irfana M I, Elsa Rose, Blesmi rose joseph, Rashid Mohammed Sareth KB