



# ANNUAL REPORT 2021-2022



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

# Index

SI.	Event Name	Page
No.		No.
1	IEDC Executive Committee 2020-2021	4
2	Webinar on "Introduction to FOSS"	5
3	CODEZILLA 1.0	6
4	CICADA- Coding Competition	7
5	DISRUPT 2.0	8
6	Workshop on Azure Cognitive Services	9
7	SAMBHAV- National Level Awareness Programme on	10
	Entrepreneurship	
8	AGORA 2.0	11
9	Webinar on 'Key points from an entrepreneur'	12
10	'PERFORMER' recognition By Atal Ranking of Institutions	13
	on Innovation Achievement (ARIIA) 2021	
11	Webinar on "Enterprise SEO in 2022 and Beyond"	14
12	SALT (Startup Awareness and Leadership Training) Program	15
13	How to Make (Almost) Anything	16
14	SRISHTI 2022	17
15	DISRUPT 3.0	18
16	AREA 51 HACKATHON	19
17	Building your First Bot (S1)	20
18	Building your First Bot (S2)	21
19	TOP PERFORMING IEDC AWARD	22
20	STARTUP KICKSTART	23
21	Skill Enhancement and Entrepreneurship Development	24
	(SEED)	
22	IMPACT LECTURE SERIES (S1)	25
23	IMPACT LECTURE SERIES(S2)	26
24	Student Achievements	27

#### **IEDC Executive Committee 2021-2022**

IEDC Faculty Chairman IEDC Faculty Convener Faculty Members

- : Mr. Anil Antony (Nodal Officer, AP-CSE)
- : Mr. Nice Menachery (AP,ME)
- : Mr. Bineesh M. (AP, CSE)
- : Mr. Jinesh K.J. (AP, MR)
- : Fr. David Netikkadan (AP, ECE)
- : Ms. Anju M.J.(AP, CE)
- : Ms. Akhil Balakrishnan(AP, EEE)

#### **IEDC Student Coordinators 2021-2022**

#### EXECOM2021-22

			IEDC 2021-22	
CEO	JOTHIS R DAAS(MR)	ACEO	AMAL SHIBHU(CSE)	GAUTHAM J(MR)
СТО	AMAL SEBASTIAN(CSE)	АСТО	AJIN K.J.(MR)	ASWATH DEV D(CSE)
C00	NIBIN THOMAS(ECE)	ACOO	SIDHARTH S UNNITHAN(CSE)	ARUNIMA ANIL(AD)
СМО	AKHIL GILBERT(EEE)	АСМО	VICTOR VARGHESE(EEE)	BHAVANA NARAYANAN(ECE)
CSO	ABIN K BABU(ME)	ACSO	AISWARYA HARIHARAN(ECE)	NAVANEETH(RA)
ссо	RAHUL M(CE)	ACCO	ALEESHA P MAXWELL(CE)	ANSILA(CE)
CFO	B MITHRA(ECE)	ACFO	BOUDHIK S(ME)	KISHORE V GOPAL(ME)

#### **Introduction to FOSS Webinar**



The webinar on "Introduction to FOSS" was jointly conducted by FOSS Club and IEDC of Jyothi Engineering College, Cheruthuruthy for introducing the Free and Open Source Softwares and Ideologies.

The webinar was conducted through the BigBlueButton platform at 10.30 pm on 5<sup>th</sup> June 2021.

Around 120 students from various campuses participated in the webinar.

The resource person was Mr. Mujeeb Rahman, from Alphafork technologies. He is a FOSS enthusiast and a YouTuber at IB computing.

The session mainly focused on:

- 1. What is free and open source technologies?
- 2. Why do we need FOSS?
- 3. Basics of FOSS licenses.
- 4. FOSS alternatives day-to-day proprietary software.

The talk was followed by an interactive session, where some of the participants shared their experience with FOSS and some cleared their doubts.

Overall the session was effective in introducing FOSS concepts and softwares to the participants.

#### **CODEZILLA 1.0**

#### Date: 20<sup>th</sup> June 2021

#### **Platform: HackerEarth**



Codezilla 1.0 is a coding/cognitive challenge conducted by Mozilla Club Jec in association with IEDC-JEC. The coding challenge offered as a method where students could put their coding and analytical skills to test with different problems of varying level of difficulties. The event had over 50 prior registrations and 110+ active participation.

# **CICADA - Coding Competition**



CICADA is a coding/cognitive challenge conducted by Thinkerbytes via the HackerEarth platform in association with IEDC-JEC and CSI. The coding challenge offered as a method where students could put their coding and analytical skills to test with different problems of varying level of difficulties. The event had over 50 prior registrations and 110+ active participation.

#### Disrupt2.0

Date: 10<sup>th</sup> October 2021

**Venue: Google Meet** 



DISRUPT 2.0 is the 2<sup>nd</sup> installment of the annual idea pitching competition hosted by IEDC-JEC exclusively for the students of Jyothi Engineering College. Students get to

showcase their ideas to panelists who analyze and evaluate the viability of the same. It consisted of a screening round after which 16 teams were allowed to pitch their ideas in

front of the panel of judges (Mr. Jinesh K.J., Dr. Biju C.V., Ms. Aswathy Wilson, Mr. Anil Antony) from I & E center, JECC, and Mr. Jesvin Palatty, Software Engineer from Infosys. Upon evaluation, 2 teams were selected as the winners and the runner-up of DISRUPT 2.0 who was rewarded with a cumulative cash prize of INR 1500.

### **Azure Cognitive Services Workshop**

#### Date: 16th October 2021

**Venue: Google Meet** 



A webinar on Azure Cognitive Services was conducted on 16<sup>th</sup> October 2021 by Mr. Kokul Jose. We had around 64 registrations for the event. The session was held in a well-laid-out manner. Mr.Kokul Jose initially gave an introduction to Azure cloud and later on moved to the services it offered. A hands-on session via Collab cemented the concepts by demonstrating a visual recognition algorithm.

# SAMBHAV- National Level Awareness Programme on Entrepreneurship

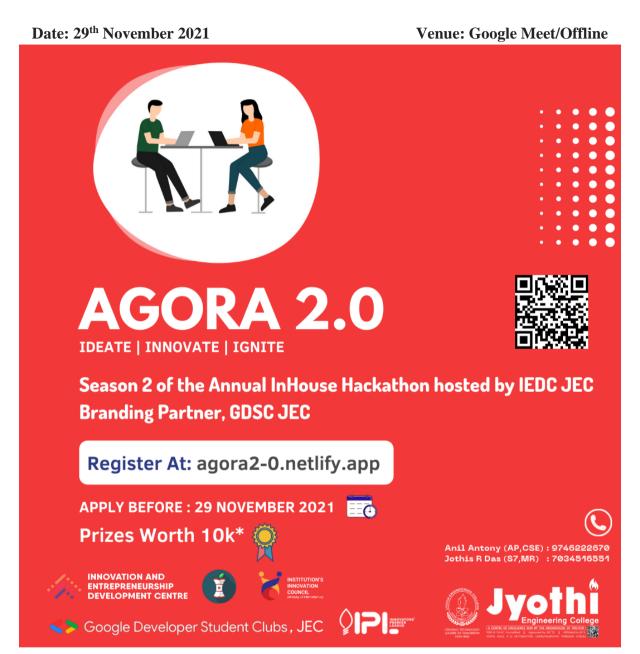
Date: 20<sup>th</sup> November 2021

Venue: Cisco Webex



A national level awareness programme on entrepreneurship organised by MSME-Development Institute Thrissur and Jyothi Engineering College in association with IEDC-JEC. The event had around 234 participants. The event portrayed how to start off as a venture and how MSME plays a key role.

#### **AGORA 2.0**



AGORA 2.0 is the second iteration of the annual hackathon organised by IEDC-JEC. We have partnered with GDSC-JEC to help students gain access to guidance on google software. We had around 20 teams out of which 16 teams had qualified for the  $2^{nd}$  stage evaluation.

# Key Points from an Entrepreneur Webinar



A webinar on 'Key points from an Entrepreneur' was organised by IEDC-JEC on 12<sup>th</sup> December. Speaker:

Mr. Ajmal Basheer Founder & CEO

Healthified

Mr. Ajmal is a studentpreneur who built up his startup Healthified from scratch. He shared his experiences and journey as a budding entrepreneur. He also shared key insights and points to know by any student aspiring to be an entrepreneur.

# **'PERFORMER' recognition By Atal Ranking of Institutions on** Innovation Achievement (ARIIA) 2021

Date: 29<sup>th</sup> December 2021

INNOVATION CELL (Government of India)	Review and Ministry of Education (Government of India)	Actre vo bigdor
	TAL RANKING OF INSTI ON INNOVATION ACHIEV	TUTIONS /EMENTS
Certifico	ate of Reco	gnition
Т	his is to certify that	
	'his is to certify that YOTHI ENGINEERING COLLEG	
YU		<u>3E</u>
JY is recognised in t "Colleges/Instit	OTHI ENGINEERING COLLEG	GE er the category (Technical)"
JY is recognised in t "Colleges/Instit in Atal Ranking of Insti	OTHI ENGINEERING COLLEG	GE er the category (Technical)" ement(ARIIA) 2021,
JY is recognised in t "Colleges/Instit in Atal Ranking of Insti	OTHI ENGINEERING COLLECT he band "PERFORMER" under utes (Private / Self Financed) itutions on Innovation Achiev	GE er the category (Technical)" ement(ARIIA) 2021,
JY is recognised in t "Colleges/instit in Atal Ranking of Insti	YOTHI ENGINEERING COLLEG he band "PERFORMER" unde utes (Private / Self Financed) itutions on Innovation Achiev the Ministry of Education, Ge	GE er the category (Technical)" ement(ARIIA) 2021,

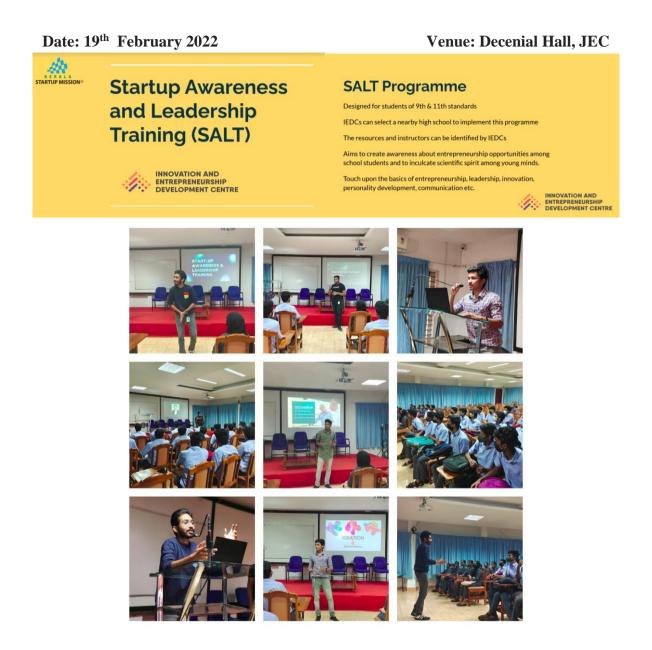
Jyothi Engineering College is recognised in the band 'Performer' under category "Colleges/Institutions (Private/Self-financed) (Technical)" in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021.

## **Enterprise SEO in 2022 and Beyond**



SEO, or Search Engine Optimization is a booming marketing strategy of today's tech enabled digital space. To elaborate on the topic, IEDC-JEC in association with CESA-JEC organised a webinar on 'Enterprise SEO in 2022 and Beyond' and the speaker was Mr. Ratish Naroor, Global head of SEO at Etsy. He also shared key experiences from his journey till Etsy.

# SALT (Startup Awareness and Leadership Training) Program

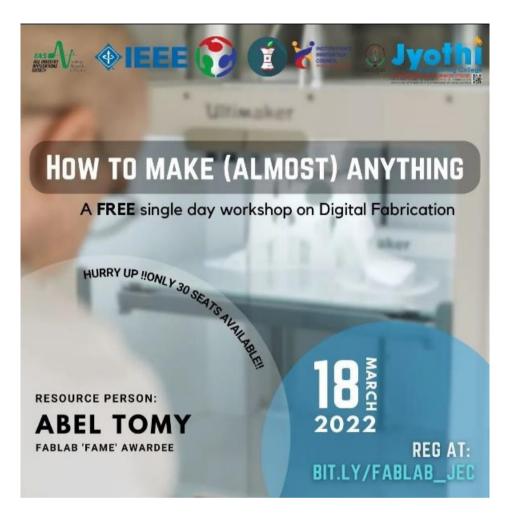


SALT Team of Jyothi Engineering College has successfully completed a session of SALT with students of Sarvodaya V H S School, AryampadamSchool in Mundathikode, Kerala

#### How to Make (Almost) Anything

#### Date: 18<sup>th</sup> March 2022

Venue: JEC FABLAB



A one day workshop on Digital Fabrication was conducted by Mr Abel Tomy, JEC Alumni and FABLAB 'FAME' Awardee at the college FABLAB to impart insights on digital fabrication to final year students.

#### **SRISHTI 2022**

#### Date: 30<sup>th</sup> April 2022

#### Venue: College Auditorium



As part of 'THARANG', the annual tech fest of Jyothi Engineering College, IEDC-JEC in association with IEEE & IEEE-IAS organised ' \*SRISHTI\*', a project competition for B.Tech/Diploma students (any year of study) to showcase their innovative and unique projects. Top 3 teams won cash prizes of 12k, 8k and 5k respectively. Team from Jyothi Engineering College consisting of Navaneeth and Davadath P.V. won the First Prize, Team from Sahdaya College of Engineering won the Second and Third place respectively.

#### **DISRUPT 3.0**

Date: 29<sup>th</sup> April 2022

Venue: Decennial Hall, JEC



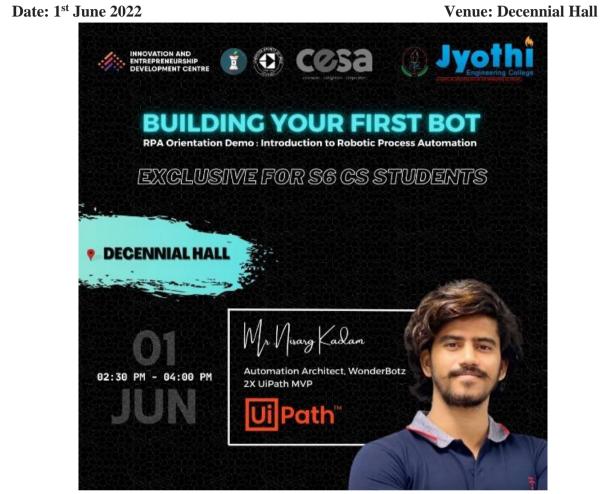
Disrupt 3.0, the third iteration of the annual idea pitching competition of Jyothi Engineering College was conducted as part of 'THARANG 2022' on 29<sup>th</sup> April 2022 in association with IEI. Top 3 teams won cash prizes of 7k, 5k, 3k respectively. Anson P. Sam of Amal Jyothi Engineering College won the First Prize. Team from Jyothi Engineering College comprising Amal Shibu, Siddharth P Unnithan, Siddharth P. & Deo Shaju won the Second Prize and Ajin K.J won the Third Prize.

#### **AREA 51 HACKATHON**



Area 51, a 48 hour hackathon by UnicornDev, in association with IEDC-JEC and CSI-JEC was conducted on 29<sup>th</sup> and 30<sup>th</sup> April 2022 as part of 'THARANG 2022'. Top 2 teams were awarded cash prizes of 10k and 5k respectively. The Team from Rajadhani Institute of Science & Technology consisting of Vivek, Richard, Shaan, Anand won the First Prize. The Team from MES College of Engineering consisting of Nalath and St. Joseph College of Technology consisting of Rajat, Adithya and Nidhin won the Second Prize and Team from Jyothi Engineering College consisting of Ajin K.J and Amal Krishnan won the Third Prize

#### **Building your First Bot (S1)**



Building your first Bot (Session 1)was a RPA Orientation workshop organised by IEDC-JEC, CESA on 1<sup>st</sup> June 2022 bby Mr Nisarg Kadam, Automation Architect, WonderBotz. The first session was an intro for the students on bot building and basic frameworks necessary.

# **Building your First Bot (S2)**



Building your first Bot (Session 2)was a RPA Orientation workshop organised by IEDC-JEC, CESA on 10<sup>th</sup> June 2022 bby Mr Nisarg Kadam, Automation Architect, WonderBotz. Students were taught on how to build a sample bot using the frameworks learnt earlier.

#### **TOP PERFORMING IEDC AWARD**

#### Date: 20<sup>th</sup> June 2022



IEDC-JEC was recognised as one among top 8 IEDCs of Kerala for FY2019-2021 and was awarded 'TOP PERFORMING IEDC AWARD' by KSUM at the Honouring Ceremony conducted on 20th June 2022 at the Travancore Hall, Technopark, Trivandrum.

#### **STARTUP KICKSTART**



Startup Kickstart was a 2 day bootcamp organised by IEDC-JEC in association with TATA IIIC-JEC on 24<sup>th</sup> and 25<sup>th</sup> June 2022. Mr Vishnu Nagaraj, CEO-Carve Startup Labs, hosted the event. Students were taken through all the key steps of building a startup from scratch and also shared key insights for a successful startup. An Idea pitching competition was also conducted at the event to enhance the interactive learning experience.

# Skill Enhancement and Entrepreneurship Development (SEED)

Date: 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> July 2022

Venue: FABLAB



SEED, a skill enhancement programme consisting of 3 sessions was organised by IEDC-JEC in association with IAS-IEEE, TinkerHub-JEC, IEEE and UnicronDev on 6<sup>th</sup>, 7<sup>th</sup>,8<sup>th</sup> July 2022. Session 1: FABRICON was conducted by Team MystriX to illustrate the various fabrication technologies and 3D design softwares

Session 2: GIT & GITHUB was organised by TinkerHub JEC to introduce Git and Github, their features and uses.

Session 3: ARBITRAGE was conducted by Mr Amal Shibu on the art of pitching, professional networking, points on getting hired and technical Q&A

### **IMPACT LECTURE SERIES (S1)**



Impact lecture series (Session 1) was organised by IEDC-JEC, in association with IIC, IQAC-JEC on 18<sup>th</sup> July 2022 via Google Meet. The resource persons were

- 1. Dr. Jippu Jacob, Adjunct Professor, Amal Jyothi College who took the session, an overview on PATENT SEARCH AND FILING PROCESS
- 2. Prof. Abi Varghese, Convener Makerhub, Amal Jyothi College who took the session on RELEVANCE OF MARKET SEARCH AND NEW BUSINESS IDEA.

## **IMPACT LECTURE SERIES(S2)**



Impact lecture series (Session 2) was organised by IEDC-JEC, in association with IIC, IQAC-JEC on 19th July 2022 via Google Meet. The resource persons were

- 1. Dr. Suresh, Head of Research Dept., Muthoot Institute of Technology took the session ELECTRIC VEHICLE: NEXT GENERATION TRANSPORTATION MODE
- 2. Mr. Subin George, Research Scholar, IIT-M took the session on COMPUTER AIDED DESIGN AND SIMULATION FOR ENGINEERS.

#### **Student Achievements**

Team UnicornDev from our College have participated and won the first place in Innoveiren (Project Presentation) hosted by CSI Chapter of PICT (Pune Institute of Computer Technology ) Team members - Sidharth P, Sidharth S Unnithan,Kiran T Suresh (S3 CS B) Deo Saju, Amal Shibu (S3Cs A)

Abhijith Sureshkumar Menon, Anchana Vinod, Joshwa Tony and Malini Mohandas of S8 ECE won the Best Project under the guidance of Dr Sindhu S, Associate Professor, ECE for their project "BANKOMAT" in 5th National Level IEEE Project Competition held by GSSS institute of engineering and technology for women, Mysuru, Karnataka.

Mr. Navaneeth Nalesh & Mr Devadath P R of S2 Robotics has been selected to the final round of a National Robotics Competition conducted by IISc, Bangalore under the guidance of Dr. C. Karthik . The team will receive a grant of 4 lakhs rupees for the prototype development.

Mr. Thomson, Mr. Raphel, Ms.Tiya, Ms. Shelmy won the Bronze Prize with an award of Rs 10,000 for Best Project in the KSCSTE TECHFEST 2021 entitled "S-Box" under the guidance of Ms. Aswathy Wilson

Team MystriX of our college are among the top 92 state level qualified teams of Young Innovators Programme 2020-23 edition.

Team members (S7 Mechatronics): Mr. Jothis R Daas, Mr Rohan George John, Mr. Evin B Thaikkatil, Mr. Basith Ali, Mr. Haggin C Sajeev

Team UnicornDev qualified as one among the top 2 teams from Thrissur District of YUVA Bootcamp 2021.

Team members - Sidharth P, Sidharth S Unnithan, Kiran T Suresh (S3 CS B) Deo Saju, Amal Shibu (S3Cs A), Sandra M, Arunima Anil

S6, CSE Students Team got First in the Archathon (36 hours hackathon) as part of their major event Summer Startup Festival conducted by Swalambhan Chair for MSME solutions in association with SIDBI

Team Members - Sidharth S Unnithan , Deo Saju , Rohit Raj , Aneena E A and Maria Rose Thayil

Team Unicorndev Members - Deo Saju, Sidarth S Unnithan, Aneena E A, Maria Rose Thayil won second position in the event The Belfort of Wall Street conducted by IEDC of Christ College of Engineering, irinjalakuda on 04/05/22, 05/05/22, 06/05/22.