7.1.1 Annual gender sensitization action plan

Women's empowerment and gender equality are one of the primary concerns at Sree Buddha College of Engineering, Pattoor. We practice to bring a positive change in the attitude and support equity among genders within the institute and in our outreach. Annual gender sensitization plan for 2021-22 is as follows.

- To promote inclusiveness, tolerance, harmony and women's empowerment among the students and staff.
- Conduct activities like Blood donation camp in connection with National Service Scheme etc in order to give back to the society
- Promoting activities related to health, self-defence and entrepreneurship among the female students.
- Conduct workshops related to cybercrime, safety and security in hotels and career enhancement for female students.
- Provide professional counselling to the students.
- Mentorship in college to be provided where faculty and students can approach in matters of gender-related issues.
- Monitoring and evaluation mechanisms for implementation and their follow-ups. Conducting regular awareness-raising activities among students and staff
- Balanced gender quota while recruitment.
- Student's code of conduct that promotes gender parity at the governance level.
 - Making them technically equally equipped to face the future market scenarios.

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year) June 2021-May 2022

Title of the programme	Period (from-to)		Partici	Participants	
			Male	Female	TOTAL
TWO DAY WORKSHOP ON REVIT ARCHITECTURE AND 3DS MAX – An Introduction to Modelling softwares	25-11-2021	26-11-21	20	10	30
ONE DAY MIX DESIGN WORKSHOP	09-05-2022		30	40	70
Awareness on Gate Exam Preparation	27-02-2022		15	45	60
WEBINAR ON INTRODUCTION TO OCEAN ENGINEERING AND CAREER PROSPECTS	06-03-2022		28	35	63
CASTELLOS ACTIVITY INAUGURATION	26-04-2022		45	55	100
WRITING & PUBLISHING A RESEARCH ARTICLE	19-05-2022		11	34	45
KNOW YOUR BRANCH BE A STEP AHEAD	20-04-2022	21-04-22	35	10	45
Insight to LaTeX Software	07-04-2022		5	20	25
WORKSHOP ON BUSINESS MODEL CANVAS & HOW TO DESIGN A PERFECT PITCH DECK	28-04-2022		30	40	70
WEBINAR ON INNOVATION MINDSET AND ENTREPRENEURSHIP	15-09-2021		33	67	100
WEBINAR ON PROBLEM SOLVING AND IDEATION	02-10-2021		45	55	100
WEBINAR ON MY STORY- MOTIVATIONAL SESSION BY SUCCESSFUL ENTREPRENEUR/STARTUP FOUNDER	09-10-2021		46	40	86
ACCELERATORS/INCUBATION OPPORTUNITIES FOR STUDENTS & FACULTIES –EARLY STAGE ENTREPRENEURS	25-07-2022		38	50	88
"Embedded C and Arduino	25-03-2022		20	10	30
"DIGITAL SYSTEM DESIGN USING FPGA-Simulation using Verilog and VHDL"	07-11-2021		48	45	93

TWO DAY WORKSHOP ON

REVIT ARCHITECTURE AND 3DS MAX – An Introduction to Modelling softwares

25/11/2021 to 26/11/2021

Department of Civil Engineering organized a two day hands-on workshop on Revit Architecture and 3DS Max - An introduction to modelling softwares on 25th and 26th November 2021 in association with Innovation and Entrepreneurship Development Centre, SBCE and ED cell. The workshop was arranged in association with Habilete Learning Solutions and CADPOINT, Kollam. Habilete Learning Solutions are specialized in skill development trainings that are a prerequisite for the current innovative job market. 30 students of fifth semester attended the workshop.

The workshop started with an introduction by Dr. Gouri Antherjanam about modelling softwares and Habilete Learning Solutions. Later Dr. Kishore, M.D. of Habilete Learning solutions also briefed about the activities of the company. Resource person Mr. Varun, took over the class and introduced Revit Architecture software to students.

In day 1 session on Revit Architecture, the topics covered were familiarization of basic modelling tools in Revit, Familiarization of material creation, Creation of a residential building etc. Students were also made to do a sample model in Revit. Day two sessions was on 3DS Max software. It also covered familiarization of basic modelling tools in 3DS Max, Familiarization of material creation, Creation of a residential building etc. Students were also made to do a sample model in 3DS Max.

Workshop coordinator was Ms. Regi P. Mohan, Assistant professor and Nodal officer of IEDC. Attendance and Feedback were collected from the participants on each session. The workshop timing was from 9.30am - 4.00 pm and was conducted in CACE Lab of Civil department. E-Certificates were distributed to participants.

Workshop Coordinator

HOD



Inauguration



Resource person Mr. Varun taking class





REPORT ON ONE DAY MIX DESIGN WORKSHOP

09-05-2022

A one day mix design workshop was organized by the Department of Civil Engineering on 9th May 2022. Er. Shelly Fernandez, MD of Qcrete ready mix India, Pvt Ltd, Kochi handled the theoretical and laboratory session. The Workshop was inaugurated by the Head of the Department Dr. Gouri Antherjanam. The topics discussed in the theoretical session taken at conference hall, library block were mix design concepts, ingredients of concrete and their properties, design approaches etc. A detailed session was conducted about the initial and final stage hardening properties of concrete, various tests conducted to check qualities of concrete, working of secondary cementitious materials in concrete and types of cement currently available in the market etc. Training was also given on mix design procedure as per IS 10262 – 2019 and finding the properties of fresh concrete. In the AN, it was a practical session conducted at the Concrete lab of the department. The workshop was conducted in association with ASCE student chapter and PGIF. M. Tech Structural Engineering and B.Tech students of the department attended the workshop. It was very informative on concepts of concrete mix design and gave a good experience to all participants. It ended by 4 pm.







HOD

REPORT ON AWARENESS ON IMPORTANCE OF GATE EXAM PREPARATION

A webinar was organized by department of Civil Engineering through gmeet in association with Futton learning platform, Kollam on Importance of gate coaching on 27th February 2022 at 7 pm. Head of the Department Dr. Gouri Antherjanam welcomed the audience. The resource person for the webinar was CEO of Futton learning platform. He discussed the importance of qualifying gate exam, job opportunities after gate and scope of doing M. Tech. He also explained the bubble system introduced by their earning app for gate coaching. About 60 participants' including parents and students of S4 and S6 attended. Session ended at 8.00 pm. It was a very informative session for the participants.



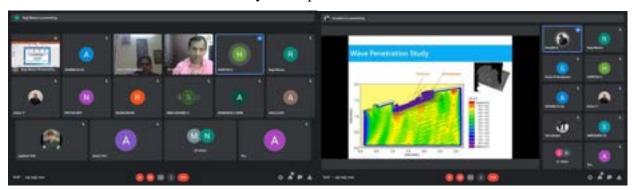
HoD

REPORT

WEBINAR ON

INTRODUCTION TO OCEAN ENGINEERING AND CAREER PROSPECTS

The Dept. Of Civil Engineering organised an online webinar session on 'Introduction to Ocean Engineering & Career prospects' on 6th March 2022 at 11 am. The session was conducted as part of #CIVIL VIBES - webinar series on Interaction with Industrial professionals. The session was handled by Mr. Arunjith Avaneendran, Senior Maritime Engineer at Jacobs, Dubai. He is Alumnae of TKMCE and IIT Madras. The session covered coastal, offshore, marine, dredging engineering etc, and the job opportunities for civil engineerssin these areas as well. Mr. Arunjith also explained the institutions offering the course ocean engineering and also briefed on companies in this field. Assistant professor Ms. Regi P. Mohan was the coordinator of the session. More than 60 participants attended the webinar which included B. Tech as well as M. Tech students. The session ended by 12.30 pm.



HOD PRINCIPAL

REPORT ON

CASTELLOS ACTIVITY INAUGURATION 26-04-2022

The Dept. of Civil Engineering organized CASTELLO'S activity inauguration for the academic year 2021-22 on 26th April 2022 at 10.00 am at conference hall, library block. The session was inaugurated by Dr. Cini A., Retired Executive Chief Engineer, PWD and HOD of Civil & Architecture IIIC Chayara. Dr. Cini is the Alumnae of TKMCE and NIT Calicut.

Ms. Aswathy Lal, coordinator of castellos welcomed the gathering and HoD Dr. Gouri Antherjanam gave presidential address. The technical session handled by Dr. Cini covered her life experiences as a Civil Engineer in various bridge construction projects. She explained various risks she faced as a civil engineer during various disasters faced by the state. Assistant Professor Mr. Ashok Mathew and Dr. S. Sivasankar gave felicitations. After the technical session, toppers of each batch were appreciated by giving momentos. Mr. Bharath Nair, final year student of the department also shared his experiences of running a construction firm. The chief guest also unveiled a hand-written magazine prepared by the students of the department. The session ended by 12.00 pm. B. Tech as well as M. Tech students of the Civil department attended the session. In the AN session a quiz program was conducted for the students of all departments.



REPORT ON

WRITING & PUBLISHING A RESEARCH ARTICLE 19-05-2022

An expert session on "Writing & publishing a research article" was organized by the Department of Civil Engineering in association with Internal Quality Assurance Cell (IQAC) & ASCE student chapter of Sree Buddha College of Engineering, Pattoor on 19th May, 2022 at 9:30am The expert talk was delivered by Dr. Adarsh S., Associate Professor, Department of Civil Engineering, TKM College of Engineering, Kollam. Dr. Gouri Antherjanam, Professor and HoD (CE) welcomed the gathering and in her welcome address she emphasized on the importance of publishing a good research paper and the relevance of the session. The webinar mainly focused on the thrust areas such as "why to publish", "where to publish", "steps of publication-manuscript preparation", "review and editorial process", "publication ethics" etc. He also explained in detail the overall publication process and quality scale of journals, impact factor, journal selection process etc.

The speaker Dr. Adarsh S. who has won prestigious Excellence in Ph.D Research Award instituted by IIT Bombay in 2018; published 52 papers in reputed indexed international journals; over 55 papers in international and national conferences; 2 Book chapters and one book and an active reviewer of many international journals of high reputation was the very right person with immense experience in the area of talk. The participants were so fortunate to have an interaction with such an experienced researcher and to clarify their doubt regarding scientific research publications. More than 40 participants attended the session which included faculty members, research Scholars, P.G scholars and B. Tech final year students from various departments of the college.











SREE BUDDHA COLLEGE OF ENGINEERING

PATTOOR P.O, ALAPPUZHA

DEPARTMENT OF CIVIL ENGINEERING

EXPERT SESSION ON

WRITING & PUBLISHING A SCIENTIFIC PAPER

SESSION HANDLED BY

Dr. ADARSH S.

ASSOCIATE PROFESSOR T.K.M. COLLEGE OF ENGINEERING KOLLAM



TUESDAY 5th APRIL, 2022 09.30 AM- 11.00 AM CONFERENCE HALL, LIBRARY BLOCK

In association with

INTERNAL QUALITY ASSURANCE CELL (IQAC)

6

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)

STUDENT CHAPTER



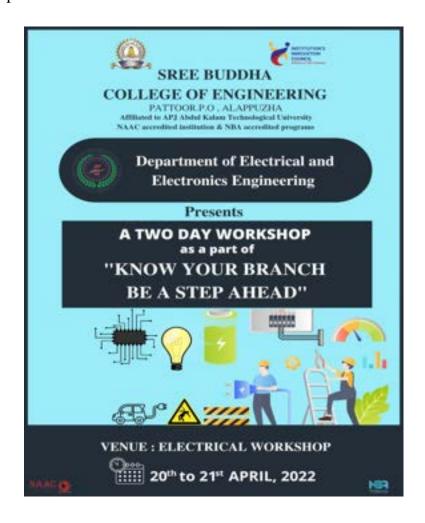




DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Two Day workshop "KNOW YOUR BRANCH BE A STEP AHEAD"

As part of the Electrical Department Association activity, the department of Electrical and Electronics Engineering, Sree Buddha College of Engineering, Pattoor organized a two day workshop for the B.Tech first and second year students from 20th to 21st April, 2022. The Workshop was conducted to make the students aware of basic Electrical and Electronic circuits for practical application. 34 students from the department participated in the program. The session was concluded at 3.30 pm on 21st April and certificates were given to participants.



















DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Hands on Training on

"Insight to LaTeX Software"

As part of the Electrical Department Association activity, Department of Electrical and Electronics Engineering, Sree Buddha College of Engineering, Pattoor organized a hands on training on "*Insight to LaTeX Software*" for the P.G Students and faculties on 7th April, 2022 at 10.00am. The training session was conducted at CAD lab. Mr. Prasanth V, Assistant Professor of ME Department was the speaker. 18 students from various departments and 8 faculties attended the program. The session was concluded at 1.30 pm and certificates were given to participants.





















DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT

WORKSHOP ON BUSINESS MODEL CANVAS & HOW TO DESIGN A PERFECT PITCH DECK ON 28th APRIL 2022

28/04/2022

The Innovation and Entrepreneurship Development Centre (IEDC) at Sree Buddha College of Engineering, Pattoor organized a Workshop on Business Model Canvas & How to Design a Perfect Pitch Deck on 28th April 2022 from 09:30 am to 1pm. The expert speaker was Mr. Deepu Sajeev, Head-Corporate Relations & Placement Officer, Rajadhani Group of Educational Institutions. The workshop was conducted offline in CSE seminar hall. 70 participants registered for the workshop. The expert speaker explained how he failed in his first startup and going well with second startup. The workshop was started with an introduction by Ms. Mary Cisily, student of S6 BT and BCE. The expert speaker explained the various sections of business model canvas with examples of Uber and Tripadvsor. Later students were grouped into various teams and asked to prepare business model canvas for their dream company. The speaker interacted with the students and gave clarifications for the different queries from various teams. The groups discussed their BMC with the speaker. Later the speaker also presented how to do idea pitching with 12 slides in PowerPoint presentation. Mr. Aravind, IEDC student coordinator, proposed the vote of thanks. Attendance and Feedback were collected from the participants using Google form. E-Certificates were distributed to attendees using Google Drive.

Dr. Trijo Tharayil Ms. Regi P Mohan

IIC Convenor IEDC Nodal Officer

Principal



SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



























DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT

WEBINAR ON INNOVATION MINDSET AND ENTREPRENEURSHIP

15/09/2021

The Department of Mechanical Engineering at Sree Buddha College of Engineering., Pattoor organized a webinar on Innovation Mindset and Entrepreneurship in association with KPIT SPARKLE on 15th September 2021 at 5pm. The expert speaker was Mr. Vishal Pillai from KPIT Technologies Limited, Pune. The webinar was conducted in Google Meet Platform. It was also Live streamed on Facebook page of Sree Buddha College of Engineering. Out of the 178 registered participants, 100 participants joined the Google Meet and others attended the webinar using the Facebook. The expert speaker highlighted the need of innovation in today's world and explained the various tools required for a successful entrepreneurship. He also mentioned about the innovation contest KPIT SPARKLE conducted by KPIT technologies in association with DST and many incubators located at various parts of India. The webinar started with an introduction by Dr. Trijo Tharayil, Associate Professor, Department of Mechanical Engineering. There was a Question and Answer session at the end of the webinar. Attendance and Feedback were collected from the participants using Google form. The webinar lasted for almost 2 hours. Certificates were distributed to attendees using Google Drive.

Dr. Trijo Tharayil

Webinar Coordinator

HOD (ME)

Principal



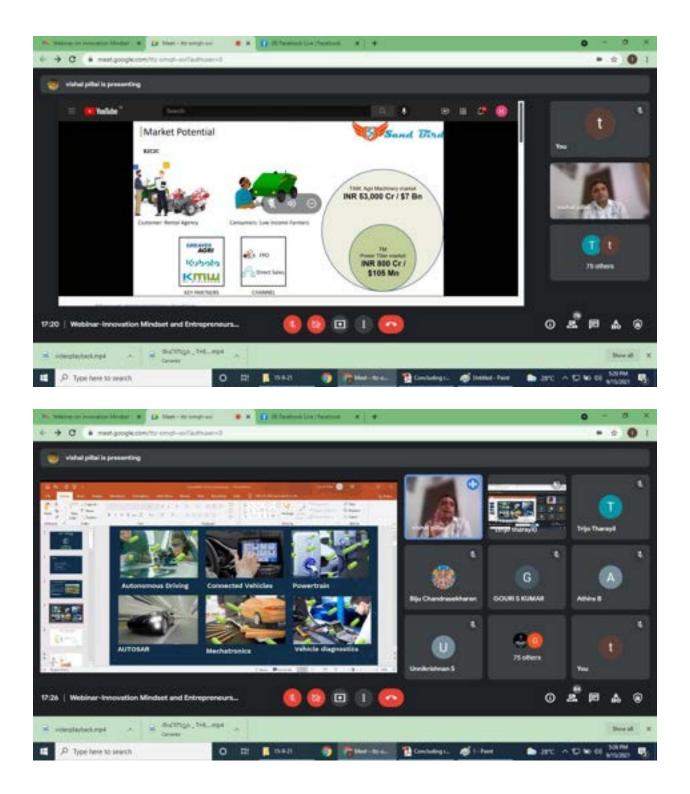
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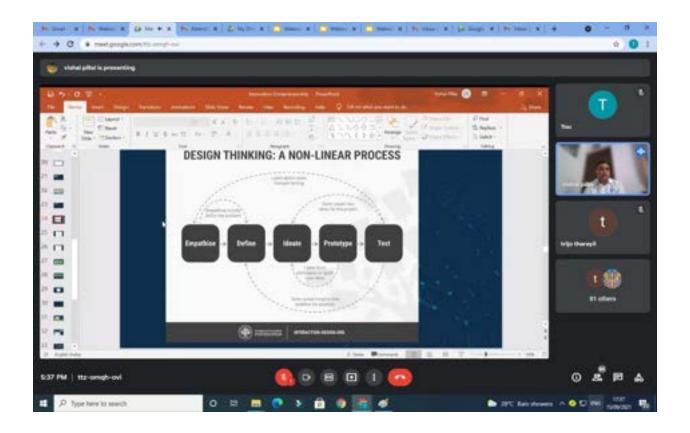
















DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT

WEBINAR ON PROBLEM SOLVING AND IDEATION

02/10/2021

The Department of Mechanical Engineering at Sree Buddha College of Engineering., Pattoor organized a webinar on **Problem Solving and Ideation** in association with **IEDC**, **SBCE** on **2nd October 2021** at 09:30am. The expert speaker was **Mr. Kannan Ganesan** of **Prove Inc.** The webinar was conducted in Google Meet Platform. 100 participants were registered for the webinar. The expert speaker highlighted the success stories of various successful technological startups originated in Kerala and other parts of India. He presented how a problem can be identified to go for a startup. He also mentioned about his journey in entrepreneurship and explained how he overcame the challenges faced. The webinar started with an introduction by Mr. Akhil Kumar K S, Student coordinator of the startup club of Department of Mechanical Engineering. There was a Question and Answer session at the end of the webinar. Mr. B Aswin proposed the vote of thanks. Attendance and Feedback were collected from the participants using Google form. The webinar lasted for almost 1.5 hours. E-Certificates were distributed to attendees using Google Drive.

Dr. Trijo Tharayil

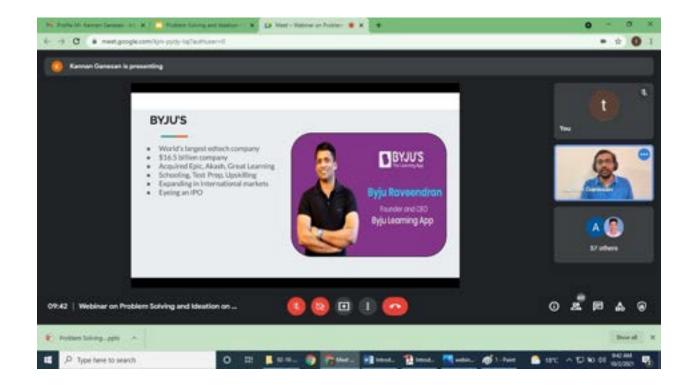
Webinar Coordinator

HOD (ME)

Principal

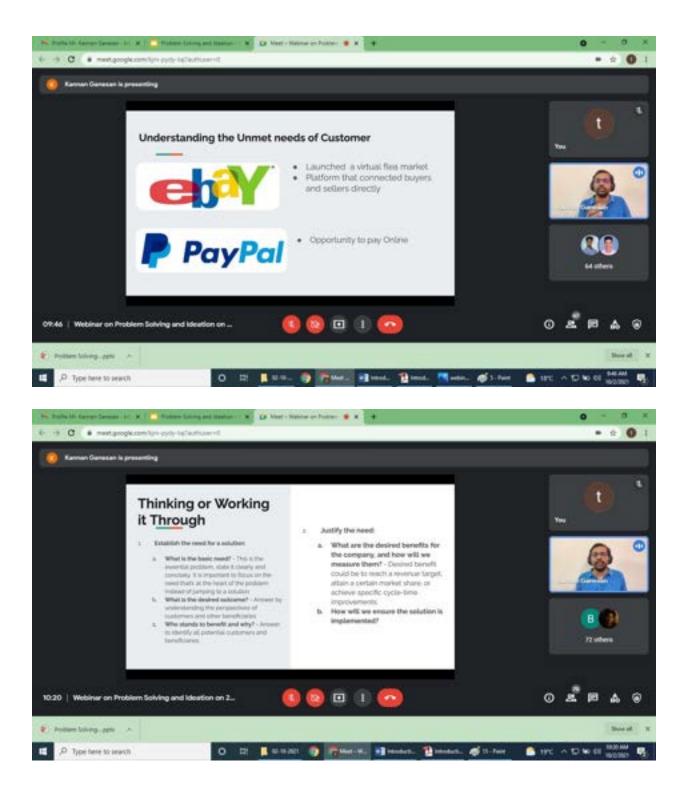






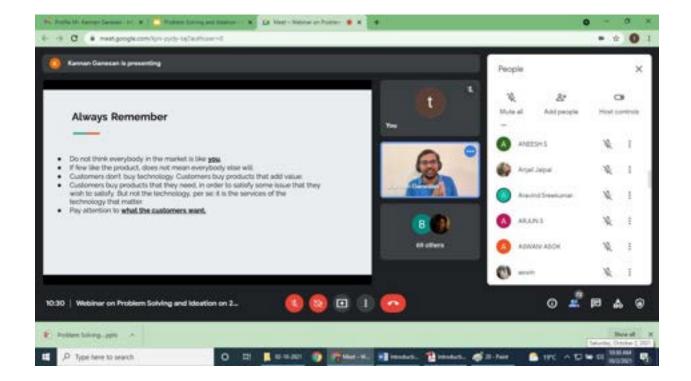
















DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT

WEBINAR ON MY STORY-MOTIVATIONAL SESSION BY SUCCESSFUL ENTREPRENEUR/STARTUP FOUNDER

09/10/2021

The Department of Mechanical Engineering at Sree Buddha College of Engineering., Pattoor organized a webinar on My story-Motivational session by successful entrepreneur/Startup founder in association with IEDC, SBCE on 9th October 2021 at 09:30am. The expert speakers were Mr. Vijayaraghavan Visuvamithiran and Ms. Krishnna Priyadarshini E, InstaGood Technology Solutions (iGoTS). The webinar was conducted in Google Meet Platform. 86 participants were registered for the webinar. The expert speakers explained their startup journey in detail towards two products InstaCoco and InstaMask. Later they suggested that a potential problem which has market potential has to be identified from a number of identified problems. The webinar started with an introduction by Mr. Akhil Kumar K S, Student coordinator of the startup club of Department of Mechanical Engineering. There was a Question and Answer session at the end of the webinar. Mr. Akhil Sankar proposed the vote of thanks. Attendance and Feedback were collected from the participants using Google form. The webinar lasted for almost an hour. E-Certificates were distributed to attendees using Google Drive.

Dr. Trijo Tharayil

Webinar Coordinator

HOD (ME)

Principal









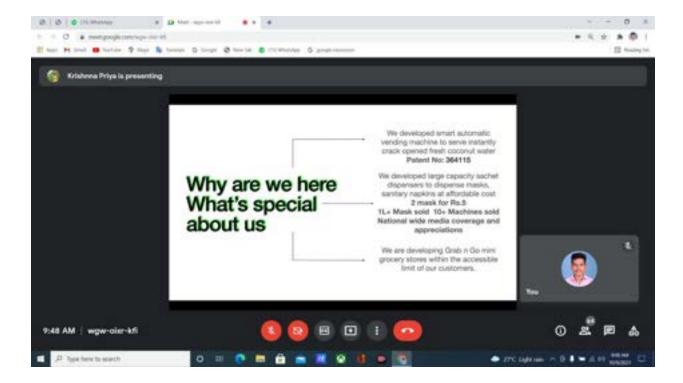
















DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REPORT

MENTORING SESSION ON

ACCELERATORS/INCUBATION - OPPORTUNITIES FOR STUDENTS & FACULTIES – EARLY STAGE ENTREPRENEURS

ON 25th JULY 2022

25/07/2022

The Institution's Innovation Council (IIC) at Sree Buddha College of Engineering, Pattoor organized a Mentoring Session on "Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs" on 25th July 2022 from 9:30 am to 11:30am in association with National Institute of Technology, Calicut as a part of Mentor-Mentee Scheme of Ministry of Education's Innovation Council. The expert speaker was Dr. Preethi Manniledam, CEO of Technology Business Incubator, National Institute of Technology, Calicut. 88 participants attended the mentoring session which includes both faculty and students. The workshop was started with an introduction by Mr. Pranav P, student member of IIC. The expert speaker started the session by highlighting the need of incubation for a startup. She explained the startup journey of a startup and also emphasized the failures happening to startups. She also explained the various activities conducted by TBI at NIT Calicut to promote the startups during incubation. She also explained the Nidhi Prayas Scheme available at NITC. The role of angel investors, venture capital, seed funding and various grants available for startups are also mentioned. The speaker interacted with the students and gave clarifications for the different queries from various students and faculty members. Mr. Parameswaran Namboothiri, IEDC student coordinator, proposed the vote of thanks. Attendance and Feedback were collected from the participants using Google form. Certificates were distributed to attendees after the session.

Dr. Trijo Tharayil

Dr. Saji Varghese

IIC Convenor

IIC President





DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Principal

















DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Hands on Training on

"Embedded C and Arduino"

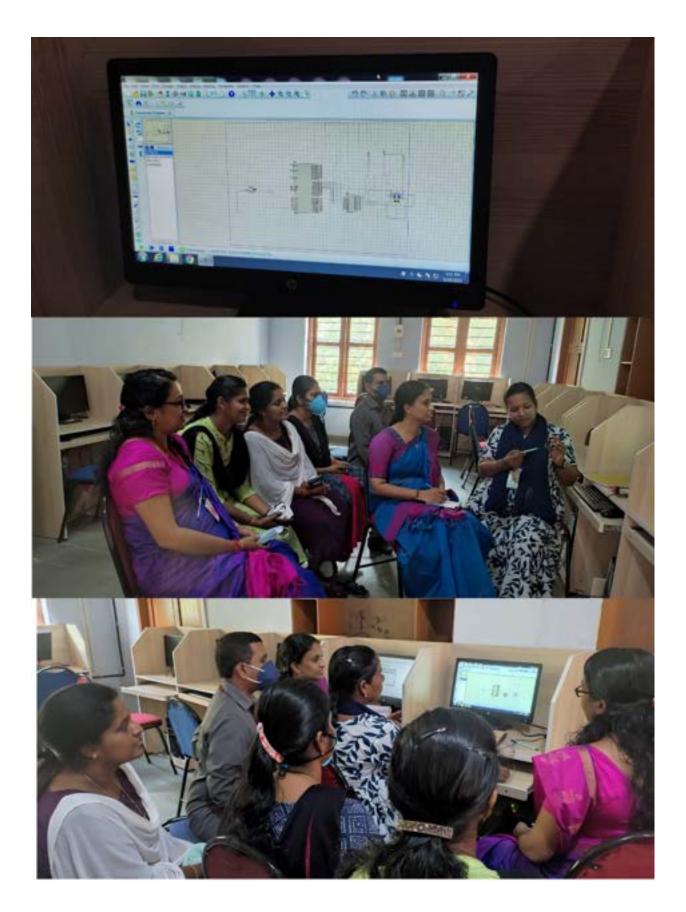
As part of the Electrical Department Association activity, Department of Electrical and Electronics Engineering, Sree Buddha College of Engineering, Pattoor organized a hands on training on "Embedded C and Arduino", for the faculties on 25th March, 2022 at 10.30am. Ms. Chama R Chandran, Assistant Professor of EEE Department was the speaker.

Embedded C is a most popular programming language in software field for developing electronic gadgets. In day-to-day life we used many electronic devices such as mobile phone, washing machine, digital camera, etc. These all device working is based on microcontroller that are programmed by embedded C. Arduino board is actually a microcontroller board with peripherals and input/output port that was specifically designed for students to create small projects using the set of arduino libraries. In the session, the faculties were given a chance to have practical exposure on Embedded c in Proteus software and Arduino.









Sree Buddha College of Engineering, Pattoor Internal Quality Assurance Cell

Report on Activity

Name of the Activity/Event	One day Online Workshop on "DIGITAL SYSTEM DESIGN USING FPGA- Simulation using Verilog and VHDL"			
Type of the Activity/Event	Workshop			
Funding agency	Institute			
Department	Electronics and Communication Engineering			
Academic year & Date	2020-2020, 07/11/2020			

Description

Department of electronics and communication Engineering Organized a one day Workshop for the topic "DEGITAL SYSTEM DESIGN USING FPGA- Simulation using Verilog and VHDL" on November 7,2021 .The speaker of the Workshop was Dr.Bhanu Rekha , Professor, Presidency university Bangalore. The workshop is inaugurated by Dr.S. Suresh Babu, Principal, SBCE and welcome speech is done by Professor Pavitha P.P.,HoD, ECE and vote of Thanks by Prof. Saritha N.R. Assistant Professor Department of ECE. Around 93 participants including students and faculties of various colleges attended the session. The workshop is based on the the third semester B.Tech degree Electronics and communication curriculum of 2019 regulation of APJ Abdul Kalam Technological University.

Photos





Verified by

HoD/Coordinator

Sree Buddha College of Engineering, Pattoor Internal Quality Assurance Cell