

Activities Of Entrepreneurship Development Cell-EDC of NSS College of Engineering, Palakkad (2022-2023)

The Entrepreneurship Development Cell (EDC) of NSSCE has been established with the objective of creating, fostering and promoting the spirit of entrepreneurship among the youth of our college. It is one of the top most EDC in the state with a motto of “BE YOUR OWN BOSS”. The cell has already taken rapid strides in cultivating entrepreneurial temper and has succeeded in carving a niche for itself. The cell has organized a plethora of events under its aegis since its inception and these events have witnessed healthy participation from our own students and also from other colleges. The cell was instrumental in creating an environment conducive for entrepreneurial thinking and action through the organization of a variety of programs. It includes entrepreneurship-oriented workshops and events in areas such as idea & innovation competitions, discussions with successful entrepreneurs, business plan contests, case studies, business quizzes, social entrepreneurship issues and solutions etc. The success of these events has boosted our confidence; so that **we could mould thirteen companies out of which seven companies (student start-ups) under various engineering disciplines, which are already registered under different Technological Business Incubators (TBI’s)/District Industries Centre (DIC) and six are under the pre-registration phase. We at NSSCE aim to bolster entrepreneurship and innovation among youngsters by planning to set up a technical business incubator (TBI) at our college for aiding students who have a marketable idea or project and aspire to start their own ventures.**

The major achievement is that our college has been recognized as an Innovation and Entrepreneurship Development Centre (IEDC) by Technopark Technology Business Incubator (T-TBI) on 10th February, 2015.



ENTREPRENEURSHIP DEVELOPMENT CELL
NSS COLLEGE OF ENGINEERING, PALAKKAD

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COLLEGE OF
ENGINEERING
Palakkad, Kerala, India



This will help our college to take a lead role in spreading the message of innovation, incubation and entrepreneurship among the students in the college and the surrounding region. Also, our college can source innovations and forward them to techno park TBI for further assistance under the funding scheme of DSIR, Govt. Thus, this is a stepping stone for getting a TBI under the department of science and technology (DST) and National science and technology entrepreneurship development board.

1. Path To Utopia - Idea Box Relaunch

IEDC NSSCE has relaunched the Idea Box in our college as an initiator to an Idea Pitching Event. The aim of the program was to intrigue the innovation and creativity in the minds of students by setting up 7 Idea boxes at various places around the college premises and inviting ideas that are related to problems that the students may find in our college. The most innovative problem statements put into the boxes are found, which will mark the end of Phase 1.

Date: 27th April, 2022

Co-ordinators: Darshan S and Abhinand P K



2. Maker sessions

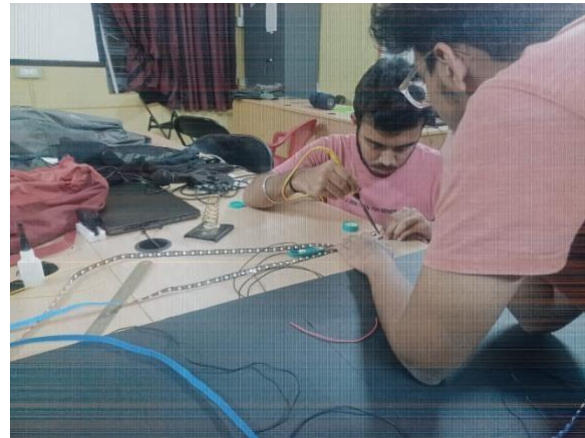
The Maker Sessions by IEDC NSSCE provided a valuable platform for participants to enhance their practical skills, foster creativity, and promote teamwork. The event took place over a span of three weeks from 18th May 2022 to 5th June 2022. This event aimed to provide participants with a hands-on experience in product design and manufacturing. The event brought together a group of 11 enthusiastic participants who were eager to learn and engage in manufacturing a product. After the classes, the participants assembled together, forming a cohesive team. After dedicated efforts, the participants were successful in manufacturing a LED screen.

Hosted by: IEDC NSSCE (Innovation and Entrepreneurship Development Cell, NSS College of Engineering)

Duration: 18th May 2022 to 5th June 2022

Participants

1. Haritha
2. Arun K
3. Chaithanya Liz
4. Darshan S
5. Vedaasree M
6. Jeeva chacko
7. Abhigith
8. Niranjana Varma
9. Sreejith M Varma
10. Anjithkrishnan K



2. Impact Lecture Session

IEDC NSSCE along with IIC NSSCE successfully orchestrated the conduct of the second part of the Impact Lecture Sessions. The event comprised of two sessions, “How to plan for Start-up and Legal and Ethical Steps” and “Lean Startup & Minimum Viable Product/Business”.

The first session was engaged by **Mr. Githu N S, CEO of Kasperob Robotics**. The session aimed to give the participants a better understanding of how to plan and successfully launch various start-ups. The session was informative and highlighted the importance of proper planning and structure. Mr. Githu N S also gave the participants information on the various legal and ethical steps in establishing a startup. He shared his experiences and the difficulties he faced when he was a beginner. The session was truly beneficial for every participant.

The second session was on the topic “Lean Startup & Minimum Viable Product/Business”. The session was handled by **Mr. Dinoj Joseph, Co-founder & Managing Director, Medgyor Private Limited**. The session was extremely interactive, giving the students an insight into the Entrepreneur world. The hands-on experience made the session equally interesting and useful. The participants

got a sneak peek into the fascinating, albeit a nerve-wracking, world of start-ups, while Mr. Dinoj provided guidance and pointers on how to better our methods and come up with better ideas. He also gave a small talk on Lean startups, emphasizing their relevance and importance.

Date: 2nd July 2022

3. Nano Step - Arduino Workshop

IEDC NSSCE successfully conducted “Nano Step”, an offline workshop on Arduino. The two-day workshop aimed to provide interested students exposure and introduce them to Arduino and its various projects. Various mini-competitions based on the topics taught were held throughout the sessions in order to ensure active participation and keep the participants engaged and intrigued. Participants of the workshop were also given an Arduino kit, to aid them in their future explorations of microcontroller programming.

Date: 30th and 31st July 2022.

Speakers: Abhinand P K, Darshan S, Aswinkrishnan B, and Arun K

No of participants: 35



The poster features a dark background with a glowing Arduino board in the center. At the top left is the EDC logo, at the top center is the Arduino logo, and at the top right is the NSS College of Engineering logo. The main title 'NANO STEP' is in large, glowing white letters, with 'TRAINING WORKSHOP ON ARDUINO' below it. Event details include 'JULY 30,31' with a calendar icon and '9:00-4:00PM' with a clock icon. The location is 'NSS COLLEGE OF ENGINEERING' with a location pin icon. A registration link 'https://bit.ly/nanostep' is provided in a blue box. Contact numbers 'Abhinav:9400582458' and 'Gokul:9400703094' are at the bottom.

4. Seminar on Entrepreneurship Matchmaking

IEDC NSSCE along with the Student's Welfare Committee and Women Development Cell successfully orchestrated the conduct of a seminar on entrepreneurship matchmaking. The session aimed to encourage aspiring entrepreneurs to step up and take initiative to achieve their goals. The event had a total of 90 participants.

A successful entrepreneur herself, Mrs Roopa had many words of wisdom to share with the students. The session was engaging and interactive, allowing the students to gain knowledge and simultaneously clear any questions they had regarding the topic.

Event Date: 17 October, 2022

Event Time: 10.30 am - 12.00 pm

Speaker: Mrs. Roopa George, Entrepreneur and Classical Dance Artist

Venue: Alumni Hall

No. of Participants: 50



The poster features a blue background with gear icons. It includes the EDC logo in the top left and the NSS College of Engineering logo in the top right. The main title is 'Seminar on ENTREPRENEURSHIP MATCHMAKING'. Below it, it states 'ORGANIZED BY STUDENT'S WELFARE COMMITTEE WOMEN DEVELOPMENT CELL (WDC) & ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC)'. The date and time are '17TH OCT 2022 10:30 am-12 pm' and the location is 'ALUMNI HALL'. A circular portrait of Mrs. Roopa George is shown on the right, with a text box identifying her as 'MRS. ROOPA GEORGE Entrepreneur and Classical Dance Artist (Cochin based)'. The footer contains 'EDC NSSCE' and 'NSS COLLEGE OF ENGINEERING, PALAKKAD'.

SKILL DEVELOPMENT WEEK

5.1. Fusion 360 Session

IEDC NSSCE in collaboration with ARMS (Association of Royal Mechanical Students) NSSCE conducted a Hands-on Session on Fusion 360 as part of Skill Development Week 2022. The aim of the program was to make students understand the perks of learning Fusion 360 and was able to successfully introduce them to a platform for professional product designing and manufacturing. The event mainly focused on the designing and engineering of products to ensure their aesthetics, form, and function and invoked curiosity in the minds of students.

Event Date: 21 November 2022
Venue: CAD Lab
Event Time: 1.00 pm - 4.00 pm
No. of Participants: 52
Event Registration Fee: Rs. 50
Resource person: Dhananjay P S (S7 MA)



5.2. PCB Designing Session

IEDC NSSCE in collaboration with ELACSTA (Electronics and Communication Students Association) NSSCE conducted a Hands-on Session on PCB Designing as part of Skill Development Week 2022. The aim of the program was to make students understand the perks of learning PCB Designing and was able to successfully bring an electronic circuit to its physical form. The event mainly focused on the design process along with component placement and routing to define electrical connectivity on a manufactured circuit board using layout software.

Event Date: 22 November 2022
Venue: CNC Lab

Event Time: 1.00 pm - 4.00 pm

No. of Participants: 38

Event Registration Fee: Rs. 50

Resource person: Abhijith Krishnan (S7 ECE)



The poster features a dark blue background with a glowing circuit board. At the top, logos for EDC, IEDC NSSCE, Innovation and Entrepreneurship Development Centre, IPL (Innovators' Premier League), ELACSTA, and SDW22 are displayed. The main title 'PCB DESIGNING' is centered in large white letters. Below the title, the date '22 November' and time '1:00 - 4:00 pm' are listed with icons. The registration fee '50/-' is also shown. At the bottom, a registration link is provided: <https://forms.gle/dDx4VBypw9FZccs76>.

5.3. BASICS.py

IEDC NSSCE in collaboration with IEI NSSCE conducted a session on the Basics of Python as part of Skill Development Week 2022. The session aimed at introducing the students to programming using Python. The event provided the students with a platform to get a thorough understanding of the basic concepts while providing insight into more complex programs and projects.

Event Date: 23rd November 2022

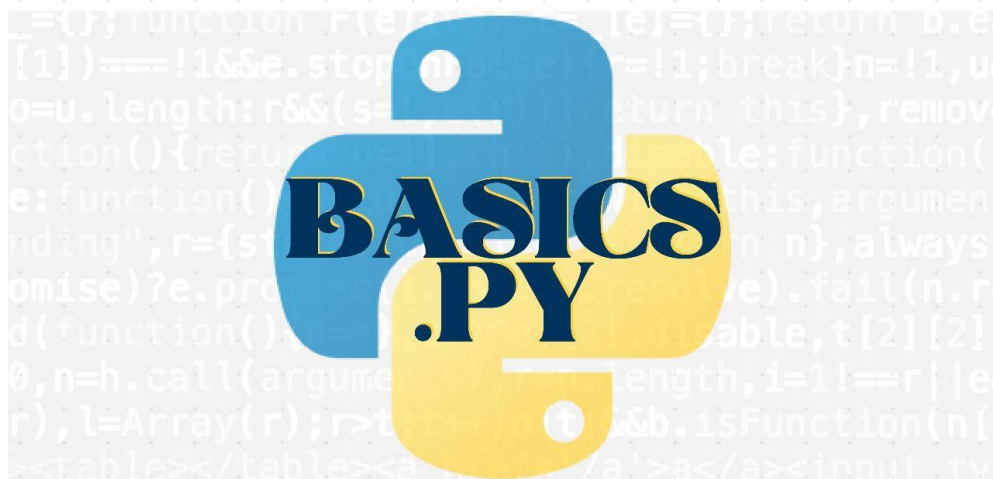
Venue: CNC Lab

Event Time: 1:00 pm - 4:00 pm

No. of Participants: 38

Event Registration Fee: Rs. 50

Resource person: Harikrishnan B A (S7 CSE)



AN INTRODUCTION TO PYTHON



23 NOVEMBER



1:00-4:00 PM

Reg Fee : 50/-

Register at : <https://forms.gle/dDx4VBypw9FZccs76>

5.4. Arduino Workshop

IEDC NSSCE in collaboration with ICONS NSSCE conducted a session on 3DS Arduino-based measurements as part of Skill Development Week 2022. The session aimed at giving the participants exposure and introducing them to Arduino and its various projects. The event provided the students with hands-on experience and helped them take their first step toward the vast world of microcontroller design.

Event Date: 24th November, 2022

Venue: Kelvin schinsky hall

Event Time: 1:00 pm - 4:00 pm

No. of Participants: 41

Event Registration Fee: Rs. 350

Resource person: Akshay M (S7 ICE)



5.5. Introduction of Machine Learning

A Workshop on Machine Learning was conducted by STACS and IEDC. The event was aimed at beginners looking to jump into the vast field of machine learning. The session covered a lot of topics ranging from Linear Regression, and Decision Tree Classifier and glanced into advanced topics like Neural Networks. The event was able to help the students take their first step into the domain of Machine Learning easily.

Date: 25th of November 2022

Time: 1:30 pm to 4:30 pm

Venue: Programming Lab, CSE Department

Speaker: Dr. Anuraj Mohan, CSE Department of NSSCE



5.6. Introduction To 3DS Max and VRay

IEDC NSSCE in collaboration with ACES NSSCE conducted a session on 3Ds MAX and V RAY as part of the Skill Development Week 2022. The session aimed at giving the participants an introduction to standard modeling. The event focused on enabling the students to model, animate and render 3D characters and photorealistic designs.

Event Date: 25 November 2022

Venue: Drafting Lab

Event Time: 1:30 pm - 4:30pm

No. of Participants: 47

Event Registration Fee: Rs. 50

Resource person: Vineesh (Cadcentre, Mangalam Towers, opp Town bus stand, Palakkad)



The poster features a teal background with a faint architectural wireframe of a building. At the top, a dark teal banner contains logos for EDC iEDC NSSCE, INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE, iPL (Innovators' Premier League), ACEs, and SDW'22. The central text '3DS MAX & V-RAY' is displayed in a large, white, stylized font within a dark teal hexagonal shape. Below this, the date '25 Nov' is shown with a calendar icon, and the time '1:30 - 4:30 PM' is shown with a clock icon. A dark teal button with white text indicates 'Reg Fee: 50/-'. At the bottom, a dark teal banner contains the registration link: 'Register At: <https://forms.gle/dDx4VBypw9FZccs76>'.

6. Field Visit

IEDC and IIC NSSCE organized a field trip to Akathethara Waste Processing Plant on 26th November 2022 to identify the problems in waste processing and to come up with a resolution. The problems over there were assessed, and brainstormed to find proper solutions.

Event date: 26th November 2022.

Venue: Akathethara Waste Processing Plant.

Time: 10.30 AM to 12.00 PM.

No. of participants: 6

Resources: Workers in the plant.



7. IDEATION Workshop

An ideation workshop was organized by IEDC and IIC NSSCE. The aim of the workshop was to make students aware of the importance of patenting an idea, the different types of patents, and the procedures involved in patenting an idea. The session was also beneficial as it taught the students how to approach a problem and come up with new ideas.

Date: 28th November 2022.

Time: 09:00 AM to 12:30 PM

Venue: E-One Hall, NSS College of Engineering, Palakkad

Speaker: Dr. Vinod V, Professor, Department of Mechanical Engineering

No of participants: 43



8. Session on IPR

EDC NSSCE conducted a session on IPR on 28th November 2022. The session was conducted in order to develop and boost the entrepreneurial skill sets of the students. The session mainly focused to identify the hidden gems on the campus.

Speaker: DR VINOD V

Date: 28th November

Time: 10:30 AM

Mode: Offline.

Venue: E-One Hall, NSS College of Engineering, Palakkad

Total number of participants: 43



9. Tink-Her-Hack

TinkerHub NSSCE under the guidance and support of IEDC NSSCE successfully hosted Tink-Her-Hack, an all kerala women exclusive hackathon coordinated by TinkerHub Foundation. The programme was strictly women only. The entire entourage, including the volunteers, staff in charge and mentors were young and vibrant women who paved the way in making the event a huge success. The hackathon was conducted at the college auditorium. Necessary guidance was provided for all the participants throughout the event, and food and accommodation was also taken care of. The top five teams, out of which two were from the college itself, were awarded with a laptop bag and other swags. The two day hackathon was an unforgettable experience, beautifully coordinated by all the young and aspiring women entrepreneurs in our college.

Date: 17th December 2022 to 18th December 2022

No of participants: 100



10. AIC Visit

IEDC NSSCE organised an AIC visit for its members. The first location the members explored in this visit is the GeDee car museum. The AIC visit provided further insight into the world of startups and entrepreneurs. The one-day visit proved to be eye opening and informative, especially to the new members.

Date: 11th of March 2023

Total no: of participants:12(including faculty)

Faculty in charge: Rohini G Nair



Robot making session

The "Robot Making Sessions" organized by IEDC NSSCE was an exciting event that took place from March 21 to March 30, 2023. The event aimed to provide participants with hands-on experience in designing and manufacturing robots. Over the course of the event, nine enthusiastic participants conducted research, and collaborated to assemble their very own robot.

Hosted By: IEDC NSSCE

Event Duration: March 21, 2023, to March 30, 2023

Participants:

1. Abhinand P K (S8MA)
2. Alok J S (S8MA)
3. Aswin R Nath (S8MA)
4. Arjun Vinod (S6MA)
5. Arjun P (S6MA)
6. Arjun K (S6MA)
7. Aswin (S6MA)
8. Arjun VB (S6EE)
9. Gopika P (S6EE)
10. Bipin (S6 ME)

