



**INSTITUTIONS INNOVATION COUNCIL (IIC)
ACADEMIC YEAR 2023-2024**

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**ACADEMIC YEAR 2023-24 (ODD SEMESTER)
QUARTER-IV-IIC ACTIVITY REPORT**

Session Details:

Title of the Session : Seminar on “Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs “

Date : 29.8.2023	Duration : 3 Hour (10 A.M TO 1.00 P.M)
Activity Category :Internal	Nature of the Session : Physical Mode
Facebook link for the event organized	Facebook/Kings College of Engineering
Instagram link for the event organized	Kings College of Engineering

Speaker Details:

Name:Prof.A.Manikandan	Designation:Head-DOMS
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Organization: St.Joesph’s College of Engineering and Technology, Thanjavur

Programme Report:

Objective:

- To provide a brief idea of Incubation opportunities and about it’s important in the Industry and other sectors.
- To give Innovative ideas to the students to upgrade and know about the development and Technology.
- To provide a platform for the Teaching faculties and students to upgrade and know about the Innovation and Incubation opportunities.
- In addition, this programme will help to improve the student's ability in carrying out simple innovation and to bring to product through professional discussions.

Institution’s Innovation Council (IIC) of Kings College of Engineering organized seminar on “Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs“on29.8.2023.The session was started by 10.00 A.M. Vice Principal, Dr.S.Sivakumar delivered presidential address. The event had a whopping number of 75 participants of whom 70 were students and 05 were Faculty. Introduction about the resource person was delivered by Dr.K.Sudhkar,ED Cell Coordinator, Kings College of Engineering.

The following points were discussed during session:

During the session, he started to explain about the role of importance and incubation process and Entrepreneurship skills to be implemented in the Institution levels. Students allow entrepreneurs to preserve capital and gain external support to accelerate their businesses growth. Through business incubation, the Enterprise Center captures each entrepreneur's uniqueness and offers support and customized services to maximize businesses potential. The ultimate goal of incubation is to launch profitable, sustainable entrepreneurial companies. Student entrepreneurship is an important but not well-studied field of research. Student venturing activity is characterized by the lack of experience and expertise among founders, which is a critical barrier in technology-based venturing.

Importance of Entrepreneurship:

Entrepreneurship drives the growth and diversification of the economy and contributes to the creation of wealth. Before we get into the specifics of the role of entrepreneurship in economic development, let's briefly encapsulate its significance. Entrepreneurship's importance lies in the following:

- Drives economic growth and creates new job
- Encourages innovation by bringing new ideas, products, and services to the market
- Contributes to social change by developing products or services that reduce people's dependence on outdated technologies
- Addresses social and economic problems by creating solutions that meet the needs of society
- Enables competition which improves business efficiency and lowers prices for consumers

Economic Independence:

Entrepreneurship can be a path to economic independence for both the country and the entrepreneur. It reduces the nation's dependence on imported goods and services and promotes self-reliance. The manufactured goods and services can also be exported to foreign markets, leading to expansion, self-reliance, currency inflow, and economic independence. Similarly, entrepreneurs get complete control over their financial future. Through their hard work and innovation, they generate income and create wealth, allowing them to achieve economic independence and financial security.

Entrepreneurship promotes economic growth, provides access to goods and services, and improves the overall standard of living. Many entrepreneurs also make a positive impact on their communities and improve their well-being by catering to underserved areas and developing environment-friendly products.

Increases Gross National Product and Per Capita Income:

Entrepreneurship can play a significant role in increasing economic growth and prosperity by increasing Gross National Product (GNP) and Per Capita Income (PCI). GNP measures the total economic output of a country while PCI calculates the average income per person. The increase in GNP can lead to a rise in PCI. Entrepreneurship can contribute to GNP by creating new businesses and industries, which can lead

to job creation, increased consumer spending, and higher tax revenue. The entrepreneurship education programs in which students create their own ventures are commonly referred to as "action-based" entrepreneurship education. Entrepreneurship education has therefore become increasingly popular in technology-focused education such as engineering education and now involve several different designs and methods to achieve problem-based learning and real-life projects in education.

Valedictory Function:

This session proposed a chance to the Undergraduate and Faculty members to spread their skill in the various steps involved in incubation and various processes involved in design & development. The feedbacks from the participants were collected. Mr.G.Bharath, IIC Member delivered the vote of thanks.

Outcome of the activity:

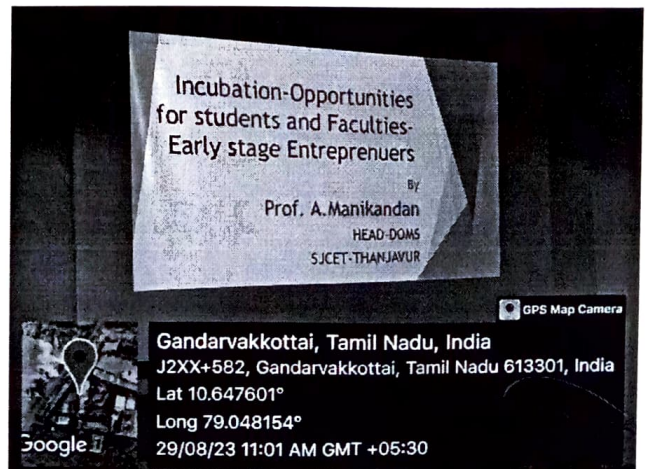
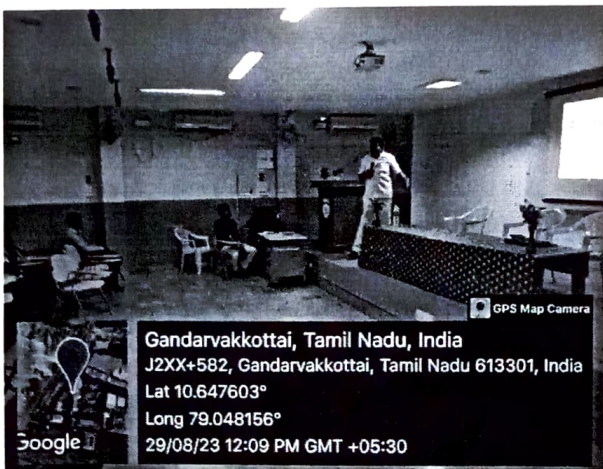
- All the participants have benefitted and gained knowledge about Incubation Process Design and Development.
- Programme helped to adapt new technologies in all the sectors.
- Portrays the accelerated learning curve for students in involving different technologies associated with different Industries and funding Agencies.

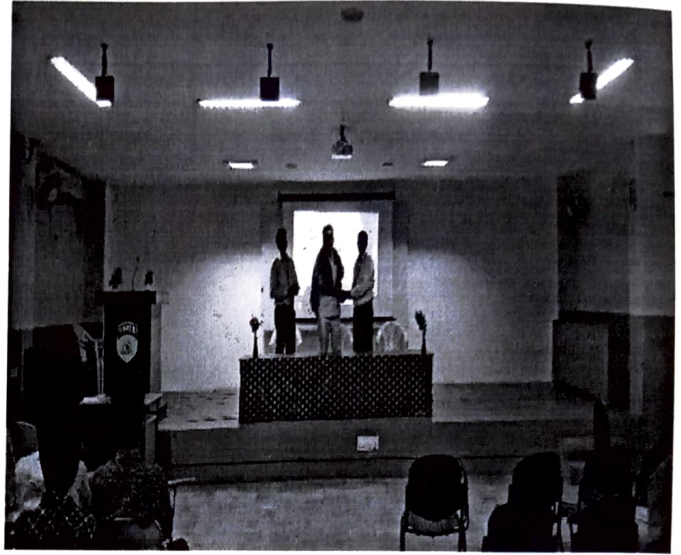
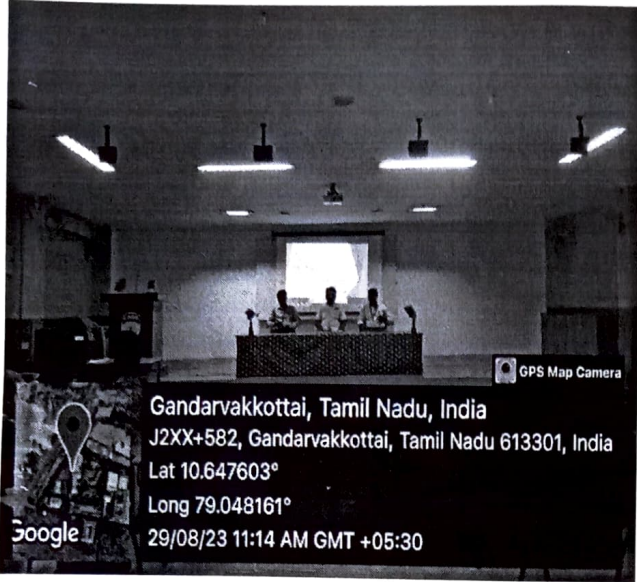
Participants Details:

Total No. of Student Participation: 70 Members

Total No. of Staff (Teaching / Non-Teaching) Participation: 05 Members

SNAPSHOTS:





Prof Anandaraman
9/9/23
Coordinators

Prof Anandaraman
9/9/2023
Vice President, IIC

J. Prabhakar
09/9/2023
Principal/President, IIC



**ACADEMIC YEAR 2023-24 (ODD SEMESTER)
QUARTER-IV-IIC ACTIVITY REPORT**

Session Details:	
Title of the Session : Workshop on “Innovation /Prototype Validation –Converting Innovation to startup “	
Date :30.8.2023	Duration : 3 Hour (10.00 A.M TO 1.00 P.M)
Activity Category :Internal	Nature of the Session : Physical Mode
Facebook link for the event organized	Facebook/Kings College of Engineering
Instagram link for the event organized	Kings College of Engineering
Speaker Details:	
Name:Dr.S.Srinath	Designation:Founder
Organization: The Director, Ziwwit Educational and Research center, Thanjavur	
Programme Report:	
<p>Objective:</p> <ul style="list-style-type: none"> • To provide a brief idea of Innovation and Prototype validation and about it's important in the Industry and other sectors. • To give Innovative ideas to the students to upgrade and know about the development and Technology. • To provide a platform for the Teaching faculties and students to upgrade and know about the Innovation and product development. • In addition, this programme will help to improve the student's ability in carrying out simple innovation to start up and to bring to product through professional discussions. <p>Institution’s Innovation Council (IIC) of Kings College of Engineering organized seminar on “Innovation /Prototype Validation –Converting Innovation to startup “on 30.8.2023.The session was started by 11.00 A.M. VicePrincipal, Dr.S.Sivakumar delivered presidential address. The event had a whooping number of 80 participants of whom 75 were students and 05 were Faculty. Introduction about the resource person was delivered by S.Sneha, UG Student IIC Member.</p>	

The following points were discussed during session-I:

Innovation and Importance:

- Innovation is often necessary for Organizations to adapt and overcome the challenges of change. Achieving organizational and economic growth through innovation is key to staying afloat in today's highly competitive world. Innovation refers to introducing novelty in a product, service, strategy, or business model. Moreover, innovation also increases the usability and durability of the entity above. It is a concept that helps stay ahead of the competition and induces creativity and efficiency in businesses. Innovation is important to the advancement of society as it solves these kinds of social problems and enhances society's capacity to act.
- It's responsible for resolving collective problems in a sustainable and efficient way, usually with new technology. These new technologies, products and services simultaneously meet a social need and lead to improved capabilities and better use of assets and resources. In order to be able to solve these kinds of societal problems, private, public and non-profit sectors are involved.
- He explained about the following research areas: Experimental and theoretical research is carried out on the development and application of aero space Engineering, space propulsion system, electric propulsion systems, including electro thermal propulsion systems, electromagnetic propulsion systems and electrostatic propulsion systems.

Innovation/Prototype Design:

- Innovation/Prototyping is the process of designing and building an early model of a product to test it. Any system or device that will be sold to consumers, government agencies, or businesses will begin as a prototype that typically does not have all of the components or functions that will be used in the final product that is brought to market.
- A prototype can serve as a proof of concept showing that the system or device can be built and will perform correctly.

SessionII:

- During the session-II resource person has started from his research experience in the field of Aerospace Engineering and satellite communications are used in Prototype design and process designing order to develop the prototype. He has broadly given the agenda such as Introduction about prototype, basic circuit designing, latest software and applications etc. He clearly explained from basics of prototype through some practical examples such as LED TV and Refrigerator.
- Finally he has mentioned that general Instructions and guidelines to solve real world problems to convert prototype to product. The session was very informative and the participants have interacted with the resource person.

Valedictory Function:

This session proposed a chance to the Undergraduate and Faculty members to spread their skill in the various steps involved in prototype and various processes involved in design & development. The feedbacks from the participants were collected. Mr.G.Bharath, IIC Member delivered the vote of thanks.

Outcome of the activity:

- All the participants have benefitted and gained knowledge about Innovation/Prototype validation design and Development.
- Programme helped to adapt new technologies in all the sectors.
- Portrays the accelerated learning curve for students in involving different technologies associated with different Industries and funding Agencies.

Participants Details:

Total No. of Student Participation: 75Members

Total No. of Staff (Teaching / Non-Teaching) Participation: 05 Members

SNAPSHOTS:



Dr. S. SRINATH

(B.E., M.Sc.-Engg. (by Res.),
Ph.D., Post-Doc)
Director - Zhwit Educational and
Research Center, Tamil Nadu,
India.

Seminar on

" INNOVATION/PROTOTYPE
VALIDATION - CONVERTING
INNOVATION INTO STARTUP "

Date : 30.08.2023
Time : 11.00 am - 12.30 pm
Venue : Pallava hall

IIC Member Dr.K.Sudhakar AP/MGT	IIC Vicepresident Mr.R.Sundaramoorthy AP/EEE	IIC President & Principal Dr.J.Arputha Vijaya Selvi
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[Signature]
Coordinators
9/9/23

[Signature]
Vice President, IIC
9/9/23

[Signature]
09/9/2023
Principal/President, IIC



KINGS
COLLEGE OF ENGINEERING

Wangal, West Medinipur, Odisha
751 005, India



INSTITUTION'S
INNOVATION
COUNCIL



ACADEMIC YEAR 2023-24(ODD SEMESTER)|
INTRA INSTITUTIONAL IDEA COMPETITION 2023-REPORT

Session Details:

Title of the Session : **INTRA INSTITUTIONAL IDEA COMPETITION -2023**

Date :18.10.2023

Duration : 10 A.M TO 4.30 P.M

Activity Category : Internal

Nature of the Session : Physical Mode

Facebook link for the event organized

Facebook/Kings College of Engineering

Theme :Problem Statements for Idea Competition 2023

- Agriculture,FoodTech&Rural Development
- Renewable /Sustainable Energy
- Smart Automation
- Smart Vehicles
- Block chain and Cyber security

Speaker Details:

Name:Dr.A.albert Martin Ruban

Designation:Head of the Department/EEE

Organization: Kings College of Engineering

Jury Details

- Mrs.R.Suagantha lakshmi,AP/CSE –suganthalakshmi.cse@ kingsengg.edu.in
- Dr.P.Narasimman,AP/EEE-narasimman.eee@kingsengg.edu.in

Programme Report:

Objective:

- To enhance the knowledge of students and motivate them to compete in the wide-ranging aggressive engineering field.
- To showcase the research talents, innovativeness, and inventiveness among the students.
- It provides a platform for the students to upgrade and know about the development and Technology for the preparation of SIH 2024.
- To provide a forum for sharing new design and alternative technologies and to promote affable interactive environment leading to exchange of new research ideas.

Institution's Innovation Council (IIC) of Kings College of Engineering organized Intra institutional Ideathon-2023 on 18.10.2023 at Smart Class room. A total of 10 teams (40 Members) were actively presented their ideas. Each team consists of four members and different themes are selected from the Hackathon Ideas . The session was started by 10.30 A.M with Tamil Thaaai Vaazthu .Welcome address was delivered by Mr.R.Sundaramoorthi,AP/EEE,IIC/Vice President. Presentation started by 11.00 a.m as per schedule circulated in Agenda. Instructions and Guidelines about presentation acknowledged. The following department teams were participated.

Participants Details:

Total No. of Student Participation: 40 Members(10 Teams)

Total No. of Staff (Teaching / Non-Teaching) Participation: 10

SL.NO	DEPARTMENT	NO OF TEAMS	SECTOR
1	CSE	05	<ul style="list-style-type: none"> • Block chain and Cyber security
2	ECE	02	<ul style="list-style-type: none"> • Smart Automation
3	EEE	03	<ul style="list-style-type: none"> • Smart Vehicles
TOTAL :10(40 Members)			

Valedictory Function:

The shortlisted teams were declared. Evaluation made based on the following criteria :(a)Problem Evaluation-5 Marks(b)Description-5 Marks (c)Presentation-10 Marks (d)Queries-5Marks.A total of 25 marks allotted for each presentation. The feedbacks from the participants were collected. Dr.K.Sudhakar,AP/T&P, Startup Coordinator, IIC Member delivered the vote of thanks.



Outcome of the activity:

- All the participants have benefitted and gained knowledge about Problem statements and finding solutions.
- Programme helped to adapt new technologies in all the sectors also platform for SIH 2024.
- Portrays the accelerated learning curve for students in involving different technologies associated with different Industries and funding Agencies.

IIC-Vice President

IIC- President



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ACADEMIC YEAR 2023-24 (ODD)

Report - Industrial Visit

Place Visited : Siemens Centre of Excellence in Manufacturing, NIT, Trichy.

Date of Visit : 02.11.2023

Number of Beneficiaries: 40 – Students from IIC students members & 4 Staff Members on 02.11.2023

As part of our curriculum, department has arranged one day Naan Mudhalvan Industrial Visit for IIC students at NIT, Trichy. Our team, comprising three faculty members and final year students, embarked on an insightful industrial visit to the National Institute of Technology, Trichy (NIT Trichy) to explore and understand the practical applications of Programmable Logic Controllers (PLC) in industrial settings.

Objectives of Industrial Visit at NIT Trichy:

The objective of an industrial visit is to provide an insight regarding internal working of industries.

- The primary goal of the visit was to gain hands-on experience and knowledge about PLC schematics, their implementation in real-world scenarios, and the role they play in industrial automation.
- **Automation:** Facilitate the automation of industrial processes by executing predefined logic, reducing the need for manual intervention and enhancing efficiency.
- **Control Logic Implementation:** Provide a platform for implementing and executing control logic diagrams, enabling precise control over various components and devices in a system.
- **Reliability:** Ensure reliable and consistent operation of industrial processes by minimizing errors, reducing downtime, and optimizing response times to input signals.
- **Monitoring and Diagnostics:** Enable real-time monitoring of system parameters and the ability to diagnose faults promptly, facilitating efficient maintenance and troubleshooting.
- **Interfacing with Sensors and Actuators:** Facilitate seamless integration with sensors and actuators, allowing PLCs to receive input data from the field and control output devices based on the programmed logic.
- **Cost Efficiency:** Contribute to cost savings by streamlining operations, reducing the need for manual labor, and optimizing resource utilization within industrial settings.

- **Scalability:** Provide a scalable solution that can accommodate the expansion or modification of industrial processes without significant changes to the control system.
- **Standardization:** Facilitate standardization of control processes, making it easier to replicate and maintain similar systems across different sections of an industrial facility.
- **Enhanced Safety:** Contribute to the overall safety of industrial operations by implementing fail-safe mechanisms and emergency shutdown protocols through the PLC control logic.
- **Data Logging and Reporting:** Support data logging and reporting functionalities, allowing for the collection and analysis of operational data for process optimization and regulatory compliance.
- **Integration with Communication Networks:** Enable communication with other automation and information systems, fostering connectivity and integration within the broader industrial ecosystem.

Overview of NIT Trichy:

NIT Trichy, renowned for its excellence in engineering education, provided an ideal backdrop for our exploration. The institution's state-of-the-art laboratories, experienced faculty, and industry collaborations make it a hub for cutting-edge research and practical learning.

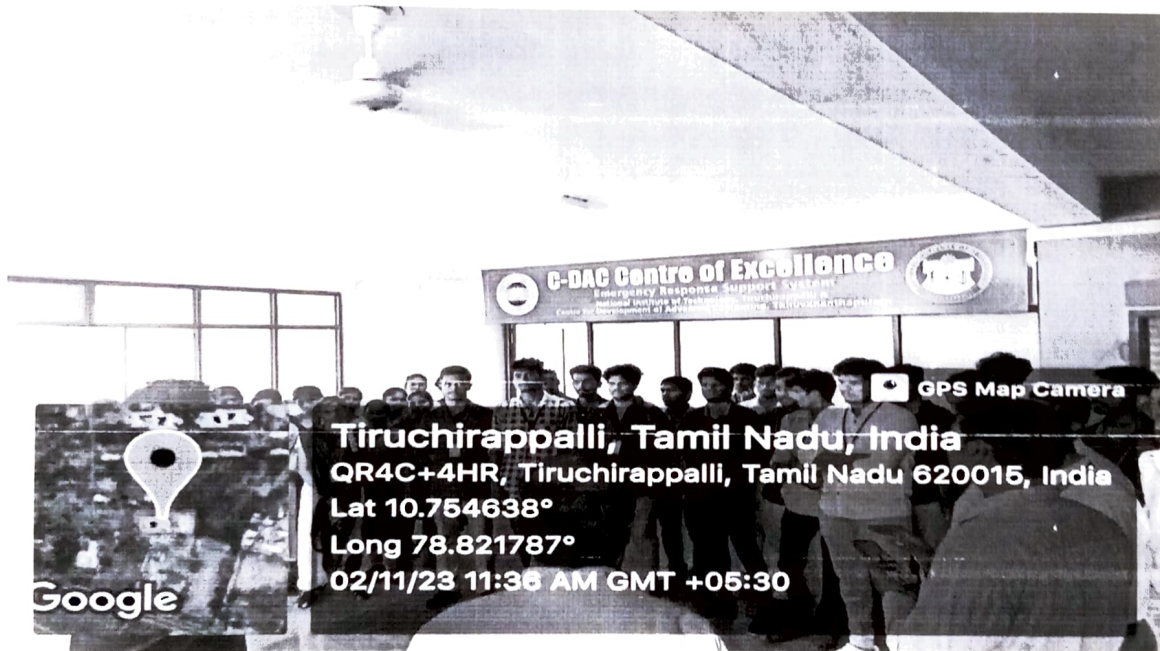
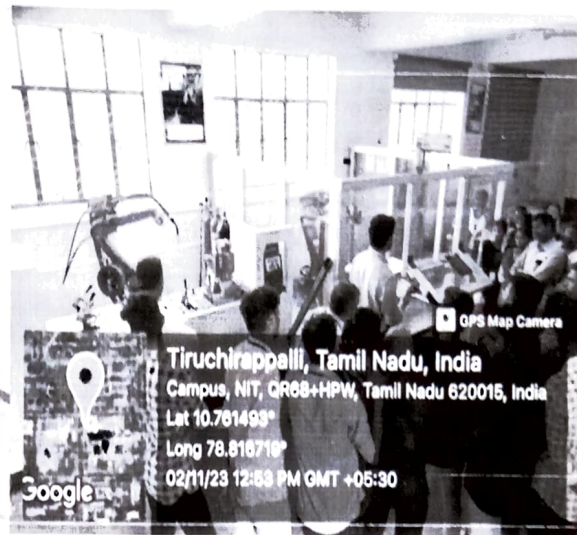
Introduction:

We recently visited the National Institute of Technology (NIT), Trichy, accompanied by three esteemed faculty members and a group of final year students. The purpose of the visit was to gain insights into Programmable Logic Controller (PLC) schematics in an industrial setting.

The Students visited the following places at NIT:



Students discussed with resource person



Snapshot at NIT, Trichy

Outcome:

- Industrial visits help students to enhance their interpersonal, communication skills, and teamwork abilities.
- This visit not only broadened our understanding of PLC schematics but also underscored the importance of experiential learning in preparing students for the challenges of the industrial landscape.
- At the end of this visit, students should be able to improve their knowledge relevant to PLC to the learn new technologies and areas.

Key Observations:

Our visit to NIT Trichy provided invaluable insights into PLC schematics, reinforcing theoretical knowledge with practical applications. The hands-on sessions allowed students to interact with PLC systems, enhancing their problem-solving skills and familiarity with real-world scenarios.

Faculty Collaboration:

The collaboration with NIT Trichy's faculty members facilitated in-depth discussions and clarification of doubts. Their expertise in the field added depth to our understanding of PLC schematics and their role in modern industrial automation.

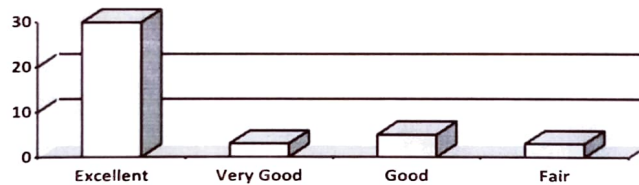
Practical Application:

Witnessing the real-time application of PLC schematics reinforced the importance of practical knowledge in engineering education. The hands-on experience allowed students to grasp concepts beyond the theoretical realm.

Conclusion:

The industrial visit to NIT Trichy was a resounding success, offering a comprehensive understanding of PLC schematics. The practical exposure provided a bridge between theoretical concepts and their practical implementation, enriching the learning experience for both faculty and students.

Students Feedback:



Principal



ACADEMIC YEAR 2023-24(EVEN SEMESTER)

MoE'S Sponsored Impact Lecture series

On

"Role of Innovation in startup success and Enforcement of Intellectual Property Rights-Patents and Design"

17.05.2024

IIC ID:IC201810951

REPORT

Institution's Innovation Council (IIC) of Kings College of Engineering organized Impact lecture series on **"Role of Innovation in startup success and enforcement of Intellectual Property Rights - Patents and Design"** sponsored by MoE's Innovation cell on 17.5.2024.

Objective:

The main objective of this Impact Lecture series:

- To provide ideas of future Innovation in various fields and Patent Rights.
- It provides a platform for the teaching faculties and students to upgrade and know about the Innovation and patents skills.
- In addition, this programme will help to improve the student's ability in carrying out how to build Product through simple innovation and convert to Patent rights to bring up professional discussions.

Speaker details:

Session 1: Session on "Enforcement of Intellectual Property Rights -Patents and Design" by Mrs.Preethi Narayannan, IP Consultant, Chennai.

Session 2: Session on "Role of Innovation in startup success "by Mr.P.Vinoth, Leadership Professional, Bangalore.

President:

Dr.J.Arputha vijaya selvi,Principal,KCE

Vice- President

Mr.R.Sundaramoorthi, Head of the Department / EEE

Convener

Dr.R.Shankar, Associate Professor /MECH

Members

Mr.R.Sundharam,AP/CIVIL

Ms.M.Mangalambigai,AP/CSE

Dr.K.Sudhakar,AP/T&P

Mr.J.Niranjan Samuel, JRF/R&D.

Programme Type: Enforcement of Intellectual Property Rights –Patents and Design

Promotion in social media: Facebook and Instagram

Inaugural Session:

Inaugural session was started 10.15 A.M presided over by **Dr.J.ArputhaVijaya Selvi, IIC President,Head of the Institution.** The dignitaries during the inaugural session were **Dr.S.Sivakumar, Vice Principal, Mrs.Preethi Narayanan, IP Consultant, Chennai,** Resource person all the IIC Program Coordinators and IIC faculty and student Members. The program was started with Welcome address and Introduction about Impact lecture series delivered by **Mr.R.Sundaramoorthi,HOD/EEE.** Resource Person Introduction given by **Mrs.M.Mangalambigai,AP/CSE.**

Participants:

Faculty:10; Internal students :85 Total : 95

Session 1: Session on “Enforcement of Intellectual Property Rights –Patents and Design by Mrs.Preethi Narayanan, IP Consultant, Chennai.

The session was started by 10.30 A.M.Before starting the session, Resource person thanked Management, Principal, IIC Coordinators and members of Kings College of Engineering.

The following key points are discussed during presentation:

- Introduction about Intellectual Property Rights (IPR) such as necessity of Property Rights, Progress of nation towards Innovations, Patent, and prospers. Patents are one of the most crucial tools for protecting an inventor's ideas, innovations and promoting technological progress. Patents provide inventors with the exclusive right to use make and sell their inventions for a specified period of time, giving them a competitive edge in the marketplace. Patents also promote innovation and economic growth by incentivizing inventors and companies to invest in research and development.
- Patents encourage the sharing of ideas and knowledge, as inventors must publicly disclose their inventions in order to obtain a patent. She mentioned about increasing role, world Economy (The Paradigm shift) and Importance of science & technology and shared knowledge about the Eco system and various terminologies used in the IPR such as Intellect (Power of mind), Property (generally refers to something that can be traded), Intellect Property (refers to the ideas and creation of the mind having commercial values) and Intellect Property Rights (refers to legal rights associated with Intellectual Property).she also shared about copy rights with suitable examples such as literary, films, dramatic, musical, sound recording, artistic and procedure, registration, penalty (section63 §ion 63A) and duration for copy rights.
- A patent is a legal protection granted by a government to an inventor or assignee of an invention. In the United States, patents are granted by the United States Patent and Trademark Office (USPTO).

Types of Patents

There are three types of patents: utility patents, design patents, and plant patents.

- Utility patents are the most common type of patent and are granted for new and useful processes, machines, manufactures, or compositions of matter.
- Design patents are granted for new, original, and ornamental designs for an article of manufacture.
- Plant patents are granted for new and distinct varieties of plants that have been asexually reproduced.

She also explained about Patent life cycle such as Idea, basic research; understand the economic importance, prior art research, patent filing, and patent prosecution. The complete procedure explained by flowchart which represents patent process and timeline was highly informative. The session was very useful and the participants have interacted with the resource person.

Session 2: Session on “Role of Innovation in startup success” by Mr.P.Vinoth, Leadership Professional, Bangalore.

The session-II was started by 1.45 p.m. Introduction about the resource person was delivered by Mrs.M.Mangalmbigai,AP/CSE,IIC faculty Member. Initially, resource person thanked Management, Principal, IIC Coordinators and student members. In his initial part of the session, he started about general introduction about Innovations which help to catch the career and difference between Invention and Innovation with plenty of examples.

The following key points are discussed during presentation:

- Startups are important because they are the engine of economic growth. They are the source of new jobs, new products, and new services. They drive innovation and create wealth. Startups are riskier than established businesses, but they also have the potential to generate higher returns.
- In the dynamic landscape of modern business, startups stand out as vibrant hubs of innovation and entrepreneurship, playing a pivotal role in shaping economies and societies worldwide.
- Beyond innovation, startups play a crucial role in driving economic growth and job creation. As they expand and scale, startups generate employment opportunities, fuel demand for goods and services, and stimulate investment in related sectors.
- Moreover, startups inject dynamism and competitiveness into stagnant markets, spurring incumbents to adapt and evolve. The cumulative effect of startup activity contributes significantly to GDP growth, fostering a thriving ecosystem of entrepreneurship and prosperity.

- A startup is a company or organization in its early stages, typically characterized by high uncertainty and risk. Many startups are founded with the aim of solving a problem or filling a gap in the market, and they typically operate in fast-paced and dynamic environments.
- Startups are important for a number of reasons. Firstly, they are often the source of new and innovative ideas. This is because startups are typically founded by people who are passionate about their idea and are willing to take risks to make it a reality. Secondly, startups play a key role in driving economic growth. They create new jobs and wealth, and they often bring new products and services to the market. Finally, startups are important for social progress.
- He briefly explained about his career and innovations developed recently in different sectors such as Agriculture and medical applications. He shared the knowledge about product development and Entrepreneur. He has given an idea about how to start the Innovation and startup. The entire session was interactive through snapshots pictures and live examples. The session was very informative and the participants have interacted with the resource person. The feedbacks from the participants were collected.

Benefits In terms of Learning/Skills/Knowledge obtained:

- All the participants have benefitted and gained knowledge about Innovation and Patent Rights skills set through practical concepts and examples.
- Programme helped to initiate simple Innovations and how to convert to Patents.
- Portrays the accelerated learning curve for students in involving innovation and Intellectual Property Rights through practical examples.
- It helps to gain new experiences, train students brain to handle a wide range of Challenges and concentrate through Innovation.

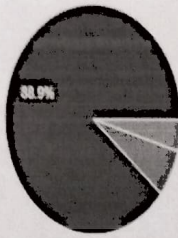
Valedictory Function:

The feedbacks from the participants were collected. Dr.R.Shankar,AP/MECH, IIC delivered the vote of thanks.

Feedback Analysis:

Designation

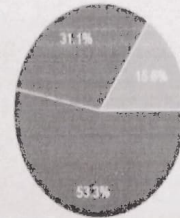
45 responses



- Associate Professor
- Assistant Professor
- Research Scholar
- PG Student
- UG Student

1 How satisfied you were with the session content?

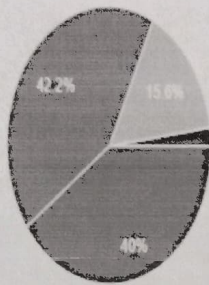
45 responses



- Excellent
- Very Good
- Good
- Fair

2 What percentage of the information was new to you?

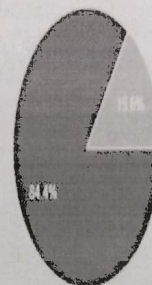
45 responses



- 100%
- 90%
- 80%
- 70%
- 60%
- 50%
- 40%
- 30%
- 20%
- 10%
- 0%

3 Would you like to learn more about this topic?

45 responses



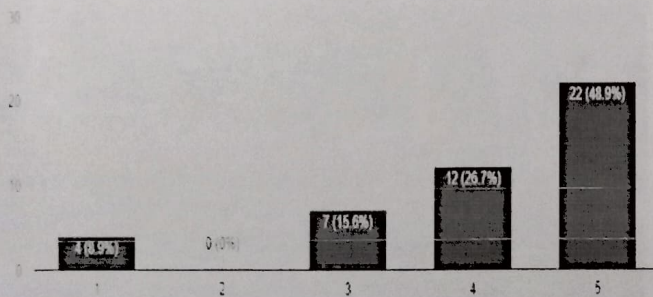
- Yes
- No
- Maybe

Copy

4 Please rate the speaker's knowledge of the topic

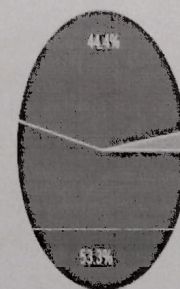
45 responses

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6 Overall session evaluation

45 responses



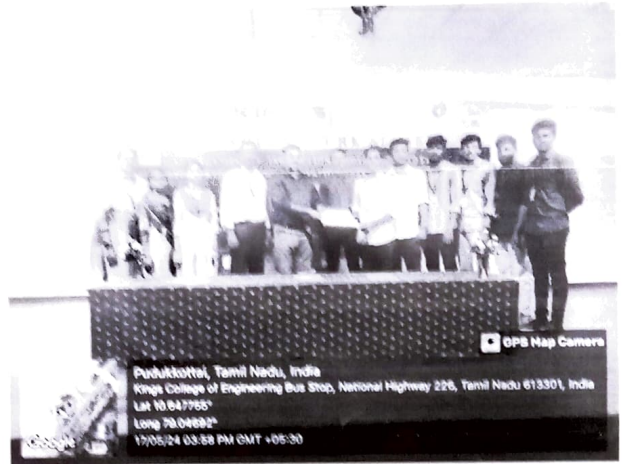
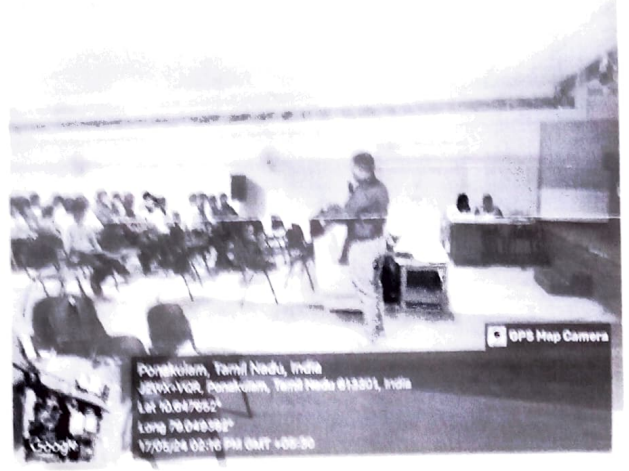
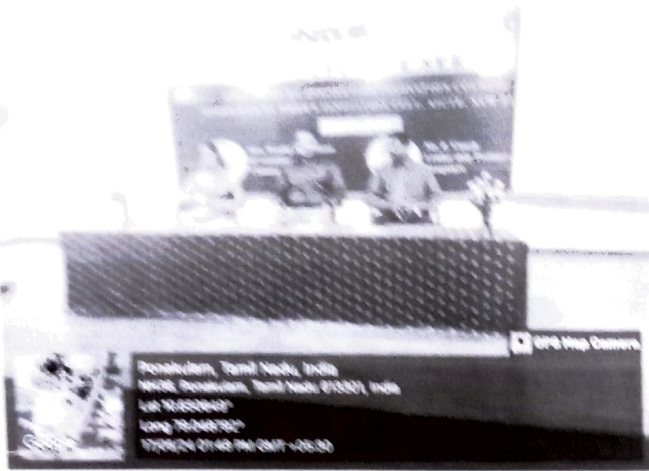
- Excellent
- Good
- Fair
- Poor

Session - I Photographs



Session - II Photographs

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A. Sankar
IIC Members

P. Anantharam
3/5/2024
Vice Resident-IIC & HOD/EEE

J. Manoj
03/6/2024
President-IIC & Principal



KINGS
COLLEGE OF ENGINEERING
Recognised under 2(f) & 12(B) of UGC
Approved by AICTE, New Delhi
Affiliated to Anna University, Chennai



ACADEMIC YEAR 2023-24 (EVEN SEMESTER)



WORKSHOP
On

**"INTELLECTUAL PROPERTY RIGHTS (IPRs) AND IP MANAGEMENT FOR
STARTUP"**

20.05.2024

REPORT

Institution's Innovation Council (IIC) of Kings College of Engineering organized workshop on "Intellectual Property Rights (IPRs) and I.P. Management For Startup" on 20.05.2024.

OBJECTIVE:

- To provide the attendees a broad idea about IPR and IP Management for start-up and its importance.
- To give idea about process, the useful steps for getting IPR approval for any start-up with useful links and information.

Resource person:

Dr. M. Satthiyaraju

Associate Professor,

Department of Mechanical Engineering

Kathir College of Engineering,

Coimbatore.

President:

Dr. J. Arputha vijaya selvi, Principal, KCE

Vice- President

Mr. R. Sundaramoorthi, Associate Professor / EEE

IIC member & Coordinator

Dr.R.Shankar, Associate Professor / MECH

Quarter series-III

Programme Type: Workshop

Promotion in social media: Facebook

Workshop summary

This report provides a brief summary of the lecture on “**Intellectual Property Rights (IPRs) and IP Management For Startup**” organized by Institutions Innovation Cell on **20.05.2024** at Smart class, ground floor, Block II. There were about 61 students of B.E. and 15 faculty members attended the workshop. The session was started by 11.10 am. Introduction about the resource person was delivered by IIC Vice president **Mr.R.Sundaramoorthi**, Associate Professor/EEE. The lecture was delivered by **Dr.M.Satthiyaraju**, Associate Professor, Department of Mechanical Engineering, Kathir College of Engineering, Coimbatore.

Resource person focuses on how to equip startup entrepreneurs with essential knowledge and tools to navigate the intricacies of intellectual property. Through interactive sessions and practical examples, students gain insights into different types of IP rights and learn how to develop a strategic approach to IP management. From understanding the basics of patents, trademarks, copyrights, and trade secrets to devising effective IP protection and commercialization strategies, the workshop covers a wide range of topics crucial for startup success.

Most of the participants who attended the workshop were students and faculty. By attending this workshop, students interested in startups will be better prepared to leverage their intellectual property assets for growth, innovation, and competitive advantage in the marketplace. The lecture provided an interactive atmosphere between the resource person and the participants.

In the valedictory function, participants expressed their feedback about the workshop. **Dr.R.Shankar**, coordinator of the workshop expressed the vote of thanks and the programme ended with a National Anthem.

Benefits Interm of Learning/Skills/Knowledge obtained:

- Student got detailed information about IPR and IP Management. They also got knowledge about the patenting process, its stages and time taken for the selection procedure. They also acquainted the use of IPR and IP Management for Startup.

Brochure-Sample copy



INSTITUTION'S INNOVATION COUNCIL



Workshop
ON

Intellectual Property Rights (IPRs)
and IP Management for startup

Resource Person



Dr. M. Satthiyaraju,
Associate Professor,
Department of Mechanical Engineering,
Kathir College of Engineering,
Coimbatore.

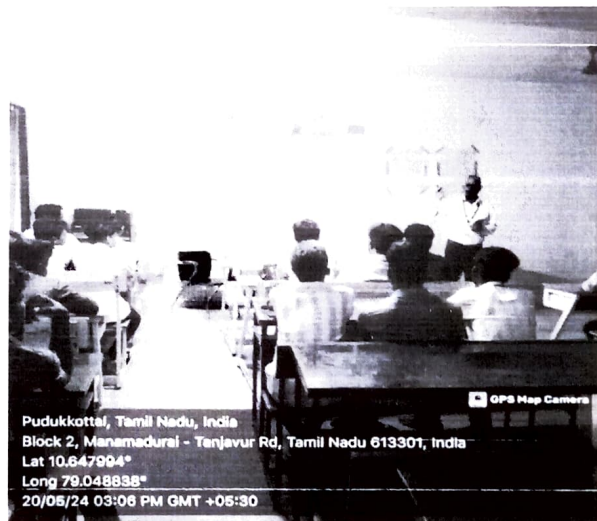
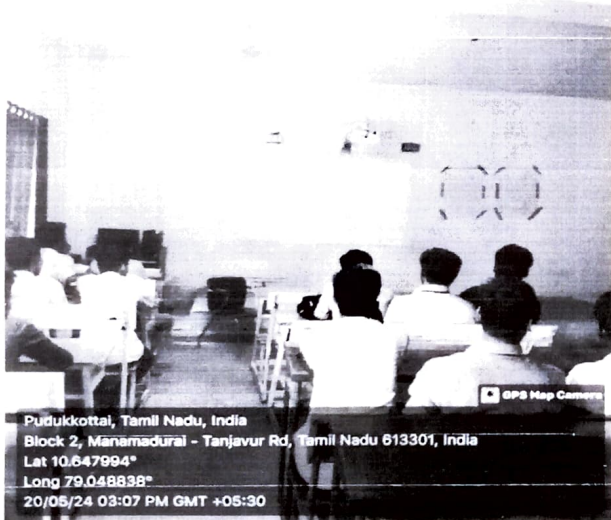
Date: 20/05/2024

Time: 11:30 am

Venue: Smart Class, Ground floor, Block II

Dr. R. Shankar, Mr. R. Sundaramoorthi, Dr. J. Arputha Vijaya Selva
Member IIC Vice President IIC Principal

Event Photographs



Resource person Dr. M. Satthiyaraju delivering the lecture on Intellectual Property Rights (IPRs) and IP Management for Startup

Handwritten signature
27/5/24

Member - IIC & Coordinator

Handwritten signature
27/5/24

President-IIC & Principal



ACADEMIC YEAR 2023 - 24

24.05.2024

Workshop

on

"BUSINESS MODEL CANVAS"

23.05.2024

REPORT

MoEs - Institution Innovation Council and Entrepreneurship Development Cell of Kings College of Engineering organized a workshop on **"BUSINESS MODEL CANVAS"** on 23.05.2024.

Objective:

To provide necessary skills to the students who are aspiring to be entrepreneurs to turn their creative ideas into a successful business.

Resource persons:

1. Mr. G. Abraham Lincoln, District Field Coordinator, EDII - TN, Thanjavur and Mr. R. Amarnath, District Field Coordinator, EDII - TN, Pudukkottai.

Participants:

IIC and ED Cell members of II year students of all disciplines 41 participants attended the programme.

Inaugural Session:

Dr. K. Sudhakar, Coordinator of ED Cell, gave away the welcome address and introduced the resource persons to the participants.

Session highlights:

The workshop on the Business Model Canvas provided a comprehensive overview of this strategic tool, aimed at enhancing participants' understanding of business model development. Attendees engaged in detailed sessions covering each of the nine building blocks, including key aspects such as customer segments, value propositions, and revenue streams. Through interactive activities and case studies, participants applied the concepts to their own business ideas, gaining practical insights into model optimization and innovation.

Benefits in terms of Learning/Skills/Knowledge obtained:

Student members gained

- **Comprehensive Understanding:** Gained in-depth knowledge of the nine essential components of the Business Model Canvas.

- **Strategic Thinking:** Learnt various skills in strategic analysis and planning, allowing you to assess and refine your business model in a structured and systematic way.
- **Practical Application:** Learnt to apply theoretical concepts to real-world scenarios, enhancing your ability to create and implement actionable business strategies.
- **Problem-Solving Skills:** Know how to improve the ability to identify business challenges and opportunities, and develop effective solutions through hands-on exercises and case studies.
- **Innovation Techniques:** Acquired the techniques for fostering innovation within their business model, enabling them to adapt and stay competitive in a rapidly changing market.
- **Collaborative Learning:** To Enhance skills in teamwork and collaboration by engaging with peers and facilitators, gaining diverse perspectives and constructive feedback.
- **Continuous Improvement:** To Build knowledge on how to regularly evaluate and adjust the business model to ensure on going relevance and effectiveness, supporting long-term success and adaptability.

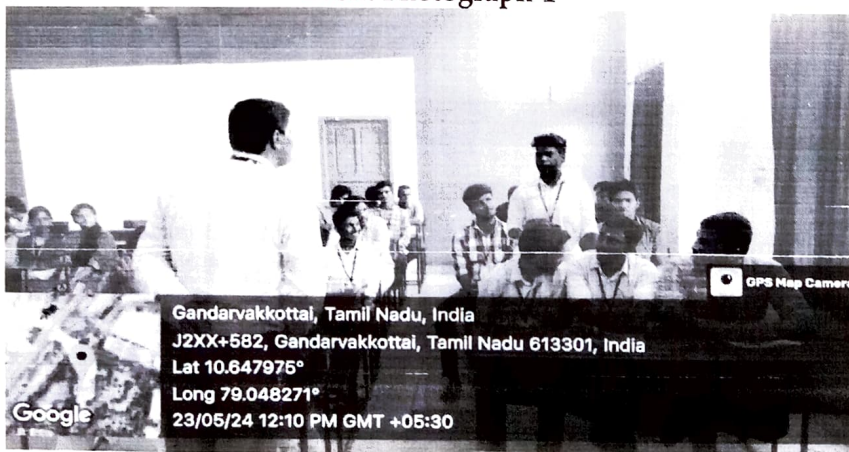
Valedictory Function:

Finally, Mr. Ramprasad, member of ED Cell delivered a vote of thanks.

Event Photographs



Event Photograph-1



Event Photograph-2



ACADEMIC YEAR 2023 – 24

02.06.2024

Workshop

on

“Entrepreneurship Skill, Attitude and Behaviour Development”

29.05.2024

REPORT

MoEs - Institution Innovation Council and Entrepreneurship Development Cell of Kings College of Engineering organized a workshop on **“Entrepreneurship Skill, Attitude and Behaviour Development”** on 29.05.2024.

Objective:

- To equip participants with practical entrepreneurship skills such as business planning, financial management, marketing strategies, and effective networking techniques.
- To foster a positive entrepreneurial mindset by encouraging traits such as resilience, adaptability, and proactive problem-solving, essential for overcoming challenges and seizing opportunities.
- To develop key entrepreneurial behaviors, including leadership, decision-making, risk-taking, and self-discipline, to help participants navigate the entrepreneurial journey more effectively.

Resource person:

1. Dr. B. Suresh Babu, Assistant Professor, Department of Management Studies, Kings College of Engineering, Punalkulam, Pudukottai

Participants:

IIC and ED Cell members of IInd year students of all disciplines 36 participants attended the programme.

Inaugural Session:

The inaugural session started with a welcome address by Mr. Ramprasad, ED Cell Member welcomed the gathering.

Session highlights:

The speaker highlighted the following points:

Introduction to Entrepreneurial Skills: Overview of essential skills for entrepreneurs, including business planning, financial management, marketing strategies, and effective communication.

Developing a Positive Entrepreneurial Attitude: Interactive exercises and discussions focused on cultivating resilience, adaptability, and a growth mindset, crucial for navigating the entrepreneurial landscape.

Behavioral Traits of Successful Entrepreneurs: Exploration of key

entrepreneurial behaviors such as leadership, risk-taking, decision-making, and self-discipline, with practical tips for developing these traits. Creativity and Innovation Workshops: Hands-on activities designed to enhance creative thinking and problem-solving skills, encouraging participants to generate and refine innovative business ideas.

Self-Assessment and Personal Development: Sessions dedicated to self-awareness, including tools and techniques for identifying personal strengths and areas for improvement, and setting actionable goals for growth. Networking and Collaboration: Opportunities for participants to connect with peers, mentors, and industry experts through networking sessions, collaborative exercises, and group discussions. Actionable Business Planning: Guidance on developing practical business plans and setting realistic goals, including creating detailed roadmaps and strategies for launching and scaling entrepreneurial ventures.

Benefits in terms of Learning/Skills/Knowledge obtained:

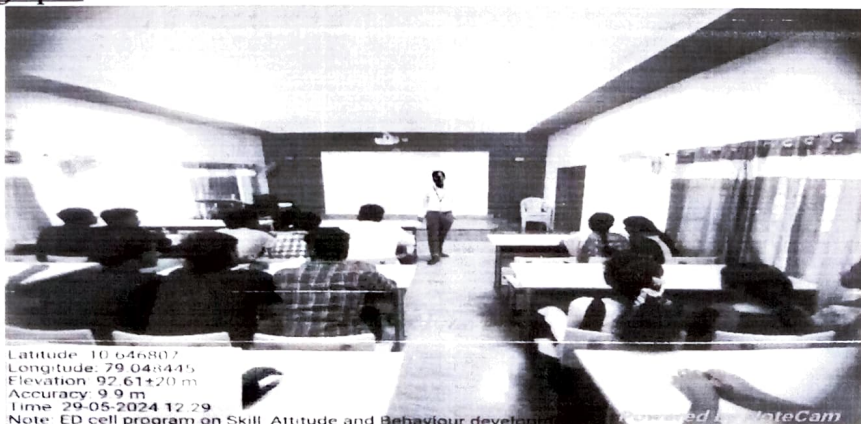
Student members gained

- The hands-on experience in crucial areas such as business planning, financial management, marketing, and operational strategies, enhancing their ability to effectively manage and grow their ventures.
- Awareness to develop a resilient and proactive mindset, learning to view challenges as opportunities and adopt a growth-oriented perspective essential for long-term entrepreneurial success.
- The strategy to cultivate key entrepreneurial behaviors, including strong leadership, strategic decision-making, and effective risk management, which are vital for navigating the complexities of entrepreneurship.
- Knowledge about the techniques to boost their creativity and innovate effectively, leading to the development of unique and competitive business ideas.
- Idea to create and implement detailed business plans and strategic goals, providing a clear roadmap for launching, managing, and scaling their entrepreneurial ventures effectively.

Valedictory Function:

Finally, Mr. T. Priyadharshini, member of ED Cell delivered a vote of thanks.

Event Photographs



Event Photograph-1

ACADEMIC YEAR 2023-24 (EVEN SEMESTER)

Seminar

On

"Entrepreneurship Awareness"

31.05.2024

REPORT

Institution's Innovation Council (IIC) of Kings College of Engineering organized Seminar on "Entrepreneurship Awareness" on 31.5.2024.

Objective:

The main objective of this Seminar is :

- Entrepreneurship Awareness Program training program objective is to create awareness among faculty and students of Engineering and Science courses about various facets of entrepreneurship as an alternative career option as also to highlight the merits of pursuing such an option.
- It is aim to inspire and educate potential entrepreneurs, equipping them with essential knowledge and skills to pursue entrepreneurial ventures.
- This Seminar typically cover topics such as business ideation, market research, financial planning, legal aspects, and networking.

Speaker details:

Session 1: 10.30 am-11.30am

Session on "Entrepreneurship Awareness" by
Mr. Mohamed Juher, Founder and CEO, ESTOC, Kumbakonam.

Session 2: 11.30am-12.30am

Session on "District Industries Centre Loan Scheme "by
Ms.S.R.Saranya, Founder and Managing Director, J-Holidays, Kumbakonam

President:

Dr.J.Arputha vijaya selvi, Principal, KCE

Vice- President

Mr.R.Sundaramoorthi, Head of the Department / EEE

Members

Mr.R.Sundharam, AP/CIVIL

Ms.M.Mangalambigai, AP/CSE

Dr.K.Sudhakar, AP/T&P

Mr.J.Niranjan Samuel, JRF/R&D.

Programme Type: Awareness of Start-up

Promotion in social media: Instagram

Inaugural Session:

Inaugural session was started 10.15 A.M presided over by Dr.J.ArputhaVijaya Selvi, IIC President,Head of the Institution. The dignitaries during the inaugural session were Mr. Mohamed Juher ,Founder and CEO, ESTOC & Ms.S.R.Saranya,Founder and Managing Director,J-Holidays Resoure persons all the IIC Program Coordinators and IIC faculty and student Members.The program was started with Welcome addres delivered by Mr.R.Sundaramoorthi,HOD/EEE. Resource Person Introduction given by Mrs.M.Mangalambigai,AP/CSE.

Participants:

Faculty:05; Internal students :35 Total : 40

Session 1: Session on "Entrepreneurship Awareness" by Mr. Mohamed Juher ,Founder and CEO, ESTOC ,Kumbakonam.

The session was started by 10.30 A.M. Before starting the session, Resource person thanked Management, Principal, IIC Coordinators and members of Kings College of Engineering.

The following key points are discussed during presentation:

Introduction:

- The term business refers to an organization or enterprising entity engaged in commercial, industrial, or professional activities. The purpose of a business is to organize some sort of economic production of goods or services. Businesses can be for-profit entities or non-profit organizations fulfilling a charitable mission or furthering a social cause. Businesses range in scale and scope from sole proprietorships to large, international corporations.
- Discuss about the Essentials of entrepreneur.
- Explain about how to build a team and the hierarchy of team for Start-up.
- Firm Registration of Proprietorship, Partnership, LLP,Private Limited, Public Limited, OPC
- Elaborated the details of Registration like Trademark, Copyright, Taxation, Licenses.
- Discuss about the importance of hierarchy Like CEO, General Manager, Manager, Supervisor, Executive.
- Finally he share the following tips about the Business Development is,
- Competitors are Good for Business
- Don't put profit into another business
- A month profit is not for whole year
- Closely monitor profit & loss for first 100 Days
- Loss Handling Capacity

- Understand AI technology & Algorithms
- Use social media wisely
- Always behind ROI
- Keep update yourself in your strong areas
- Find all kind of freebees' to support your firm

**Session 2: Session on "District Industries Centre Loan Scheme "by
Ms.S.R.Saranya,Founder and Managing Director,J-Holidays,Kumbakonam**

The session-II was started by 11.30 a.m. Introduction about the resource person was delivered by Mrs.M.Mangalmbigai,AP/CSE,IIC faculty Member. Initially, resource person thanked Management, Principal, IIC Coordinators and student members. In her initial part of the session, she started about general introduction about Business loan provided by government and also explain how to apply that government loan and benefits of DIC Loan which helps to know about the financial support by the government.

Benefits In terms of Learning/Skills/Knowledge obtained:

- As an entrepreneur, you have the freedom to work on your terms and set your own schedule. This flexibility allows you to balance work and personal life effectively.
- Entrepreneurship involves learning new things every day. Whether it's market trends, customer preferences, or industry developments, staying informed is crucial for success.
- Running your own business provides an opportunity to generate wealth for yourself and your venture.
- Successful entrepreneurs create value and extract it from researched opportunities.
 - Overcoming challenges and turning ideas into reality builds confidence. As you achieve milestones, your belief in your abilities grows.

Valedictory Function:

The feedbacks from the participants were collected. Mrs.D.Mangalmbigai, IIC member delivered the vote of thanks.

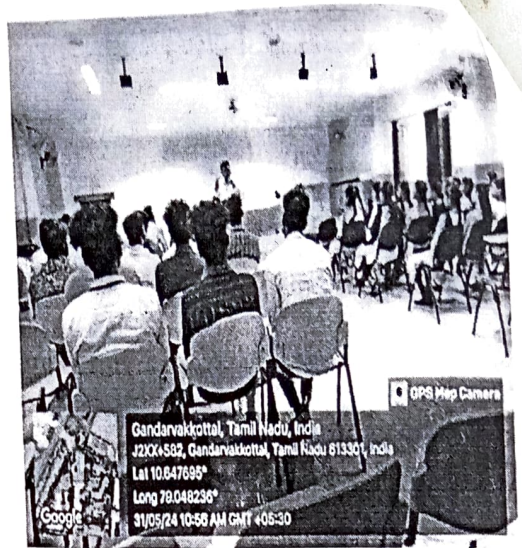
Feedback:

- Entrepreneurship education plays a crucial role. When students receive formal or informal education about entrepreneurship, they gain insights into the challenges, skills, and mindset required. This education can positively impact their attitude by demystifying entrepreneurship.
- Positive experiences and role models can foster a favorable attitude, while negative perceptions may lead to skepticism. Encouraging awareness and providing relevant education can foster a positive mindset and inspire future entrepreneurs.

Session -I Photographs



Innagural Function

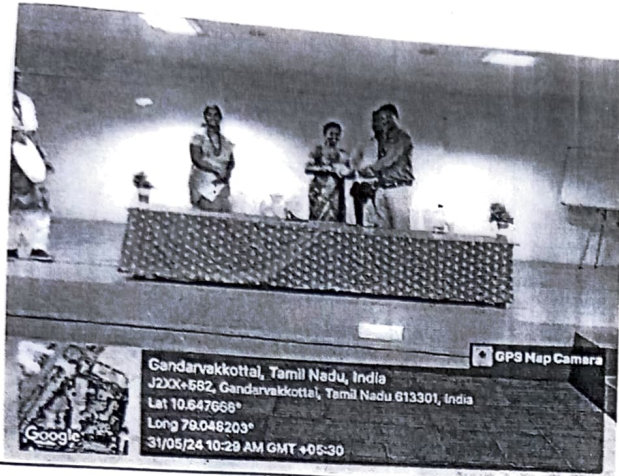


Session Handling



Welcome address

Session-II Photographs



Honoring Chief guest



Discussions

1. *[Signature]* 31/6/24

2. *[Signature]* 31/6/2024

IIC Members

[Signature] 31/6/24
Vice President-IIC & HOD/EEE

[Signature] 03/6/2024
President-IIC & Principal