

**INSTITUTIONS INNOVATION COUNCIL (IIC)  
ACADEMIC YEAR 2021-2022**

<b>S.No</b>	<b>Date</b>	<b>Details</b>	<b>No.of. Beneficiaries</b>
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MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



ACADEMIC YEAR 2021-22(ODD SEMESTER)

MoE'S Sponsored Impact Lecture series-I

On

"FUTURE OF INNOVATION IN INDIA AND INTELLECTUAL PROPERTY RIGHTS (IPR)"

12.10.2021

IIC ID:IC201810951

### REPORT

Institution's Innovation Council (IIC) of Kings College of Engineering organized Impact lecture series-I webinar on "Future of Innovation in India and Intellectual Property Rights" sponsored by MoE's Innovation cell on 12.10.2021.

#### Objective:

The main objective of this webinar 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 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 "Future of Innovation in India" by  
Mr.K.Amirtha Ganesh, Director, Armada Industrial Automation,Thanjavur

Session 2: Session on "Intellectual Property Rights" by  
Dr.Y.Thiagarajan  
Associate Professor &HOD/EEE  
Chirst College of Engineering and Technology,  
Puducherry

#### President:

Dr.J.Arputha vijaya selvi,Principal,KCE

#### Vice- President

Mr.R.Sundaramoorthi, Assistant Professor / EEE

#### Convener

Mr.R.Balakrishnan, Assistant Professor / ECE

## Session 2: Session on "Intellectual Property Rights "by

Dr.Y.Thiagarajan

Associate Professor &HOD/EEE

Chirst College of Engineering and Technology,  
Puducherry

The session was started by 2.30 p.m through Google Meet and YouTube platform. Introduction about the resource person was delivered by G.Latchayasri, IV/ECE, IIC Student Member. Initalily, resource person thanked Management, Principal, IIC Coordinators and student members. In the initial part of his lecture, he has started general Introduction about Intellectual Property Rights (IPR) such as necessity of Property Rights, Progress of nation towards Innovations, Patent, and Produce and prosper. He mentioned about increasing role, world Economy (The Paradigm shift) and Importance of science & technology. He has 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).He has clearly explained the benefits of IPR such as lucrative, key business asset, Incentives for the creator and Economic growth. He mentioned the methodologies of patent rights which means through contribution, hardwork, and creation.All these three things if implemented in a systematic way would fetch patent from Government of India. Then he talked about different examples of IPR.

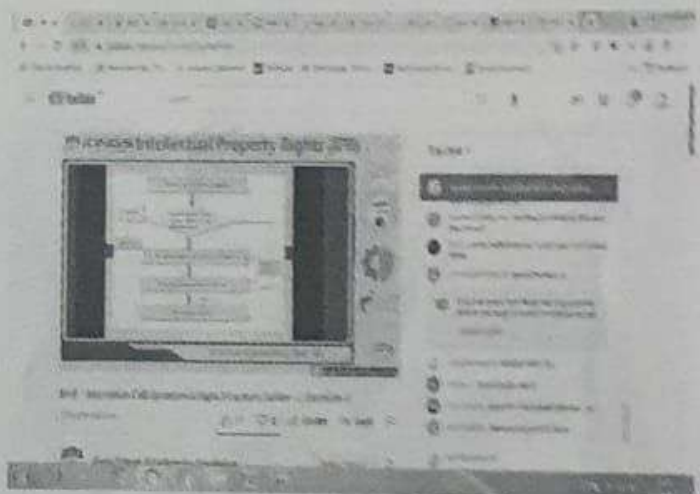
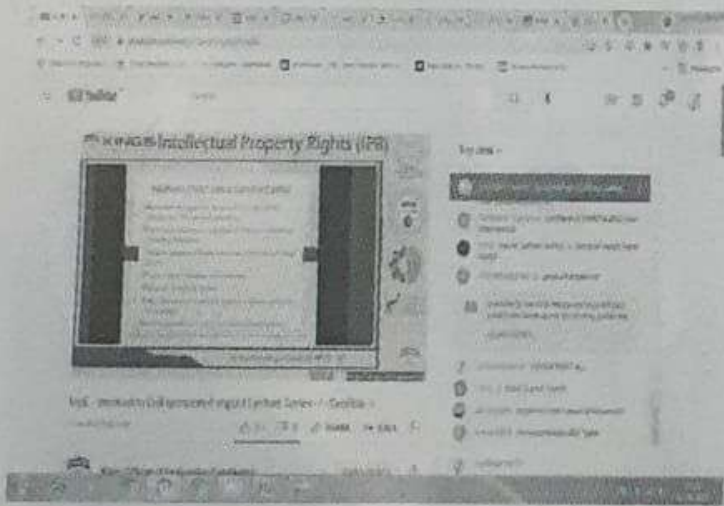
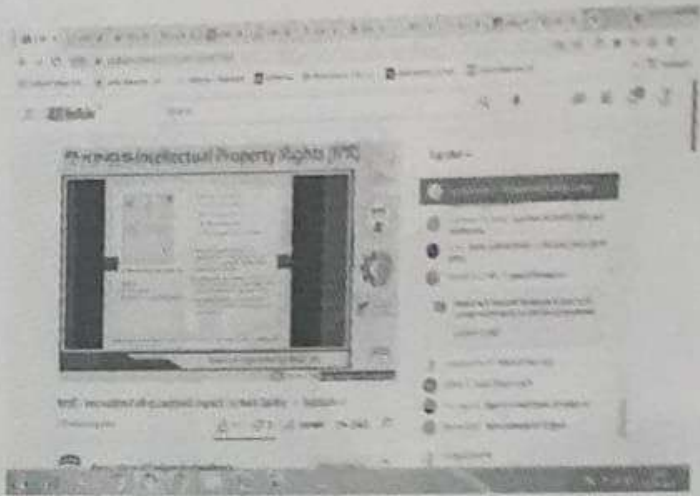
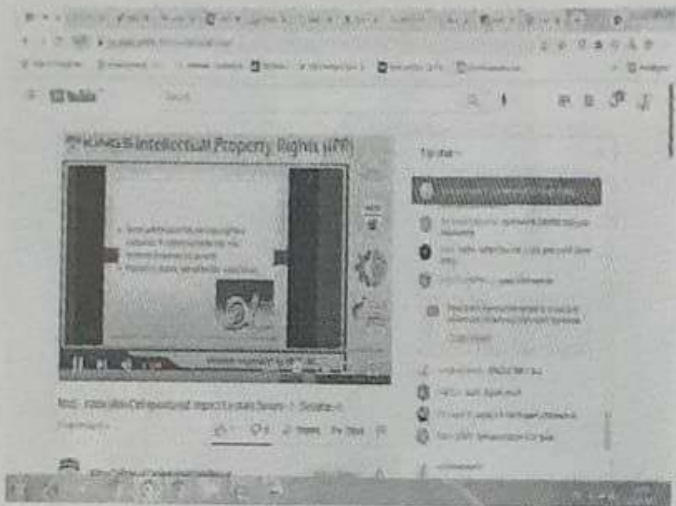
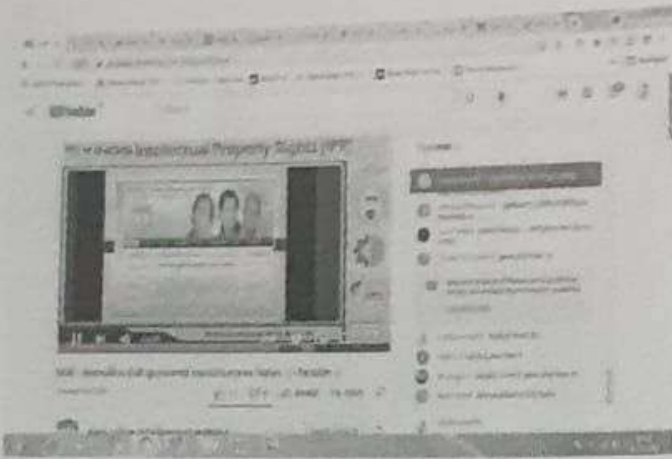
He also shared about copy rights with suitable examples such as literary, films, dramatic, musical, sound recording, artistic and procedure, registration, penalty (section63 &section 63A) and duration for copy rights. Then he started to present about patents with suitable definition and types of patents such as Patent Inventions and Non Patentable Inventions. He 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.

### 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. Mr.R.Sundaramoorthi, Vice President, IIC delivered the vote of thanks.



*K. Shan*  
2/11/2021  
IIC Member

*P. Parvathidevi*  
2/11/2021  
Vice President-IIC & AP/EEE

*J. Praveen*  
2/11/2021  
President-IIC & Principal



MoE's  
INNOVATION CELL  
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ACADEMIC YEAR 2021-22(ODD SEMESTER)

MoE'S Sponsored Impact Lecture series-II

On

"STARTUP TO IPR AND IMPACT OF ENTREPRENEUR IN HIGHER EDUCATION  
INSTITUTION"

25.10.2021

IIC ID:IC201810951

### REPORT

Institution's Innovation Council (IIC) of Kings College of Engineering organized Impact lecture series-II webinar on "STARTUP TO IPR AND IMPACT OF ENTREPRENEUR IN HIGHER EDUCATION INSTITUTION" sponsored by MoE's Innovation cell on 25.10.2021.

#### Objective:

The main objective of this webinar series:

- To give ideas of Startup, IPR and Impact of Entrepreneur in Education Institution.
- It provides a platform for the teaching faculties and students to upgrade and know about the Startup and Patent Rights skills.
- In addition, this programme will help to improve the student's ability in carrying out how to build startup and convert to Patent rights to bring up professional discussions.

#### Speaker details:

**Session 1:** Session on "Impact of Entrepreneur in Higher Education Institution" by  
Dr.V.Badrinath  
Dean, School of Training & Placement  
SASTRA University, Thanjavur

**Session 2:** Session on "Startup to IPR" by  
Dr.Chitra Arvind  
Partner, LEX IP CARE LLP  
Chennai

#### President:

Dr.J.Arputha vijaya selvi, Principal, KCE

#### Vice-President

Mr.R.Sundaramoorthi, Assistant Professor / EEE

### Convener

Mr.R.Balakrishnan, Assistant Professor / ECE

### Members

Mr.R.Shankar, Assistant Professor / MECH

Dr.K.Sudhakar, Assistant Professor / T&P

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

Programme Type: Webinar on Startup to IPR and Impact of Entrepreneur in Higher Education Institution

Promotion in social media: Facebook and Instagram

### Inaugural Session:

Inaugural session was started through Google Meet(online) and streamed through YouTube by 2.20 P.M presided over by Dr.J.ArputhaVijaya Selvi, IIC President,Head of the Institution. The dignitaries during the online inaugural session were all the IIC Program Coordinators and IIC faculty and student Members. The program was started with Welcome address delivered by Mr.R.Sundaramoorthi, Assistant Professor/EEE. Introduction about Impact lecture series delivered by Mr.R.Shankar AP/Mechanical and Resource Person Introduction given by S.Aparnaa, IV/ECE, IIC Student Member

### Participants:

External :17 Internal :185 Total : 202

**Session 1: Session on "Impact of Entrepreneur in Higher Education Institution"** by

Dr.V.Badrinath

Dean, School of Training & Placement

SASTRA University, Thanjavur

The session was started by 2.30 P.M through Google Meet and YouTube platform. Before starting the session, Resource person thanked Management, Principal, IIC Coordinators and members of Kings College of Engineering. In his initial part of the session, he started about general introduction about role of Entrepreneur and Myths about Entrepreneurship. Then he started to explain about qualities and skills required for Entrepreneur. He pointed out Dr.AP.J.Abdulkalam success journey about dream to Innovation. He explained in detail about business Idea and shared about his own experience through success story of various persons. He pointed out top millionaires in world and suggested strong points related to success. He also interacted the audience in between the sessions.

He shared knowledge about achievers in Entrepreneur field by examples and also explained basics of Entrepreneur skills through his practical exposure. Through demonstrated pictures of different Entrepreneurs, he has given idea about how to become an Entrepreneur?. He shared the knowledge about simple tips about Entrepreneur. He has given an idea about scope of Entrepreneurship and practical examples such as 3D printing facility, Digitalization, Virtual reality lab. He pointed out that subsidies provided by the Government. The entire session was interactive through snapshots pictures and practical examples. The session was very informative and the participants have interacted with the resource person. The feedbacks from the participants were collected.

Session 2: Session on “Startup to IPR” by

Dr.Chitra Arvind

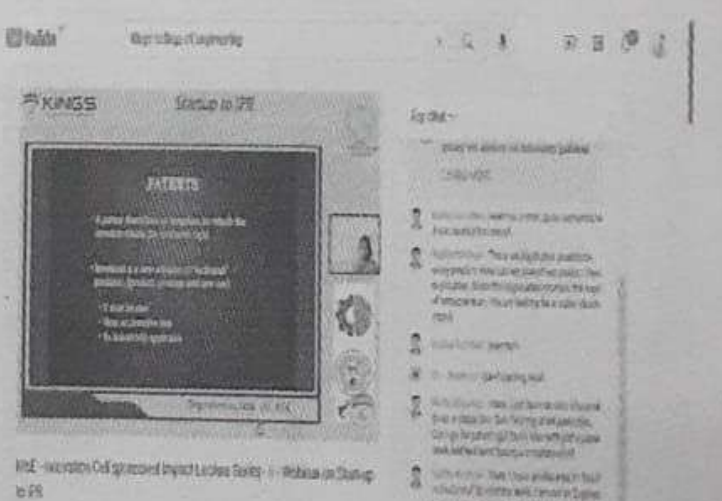
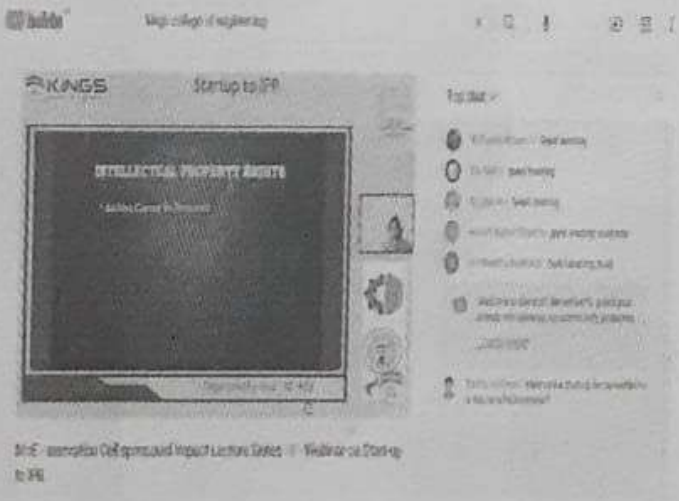
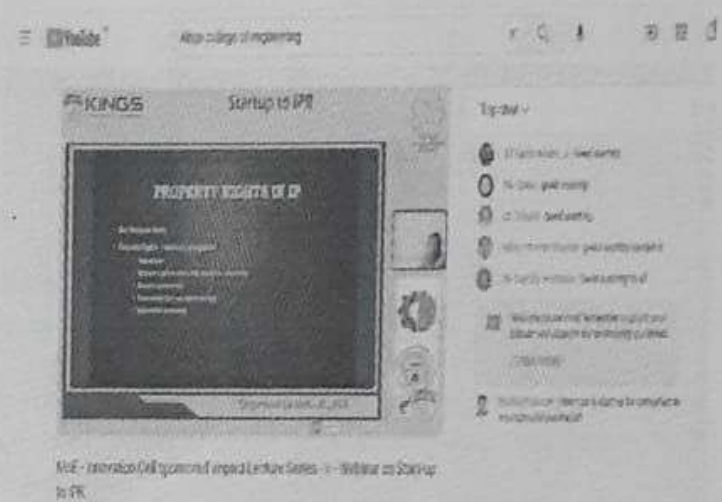
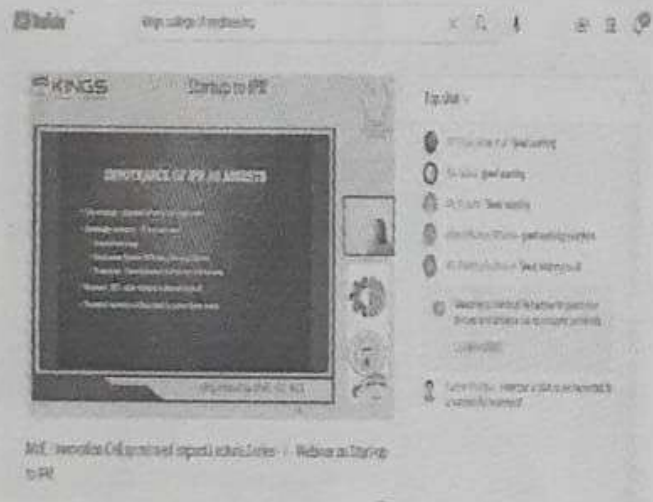
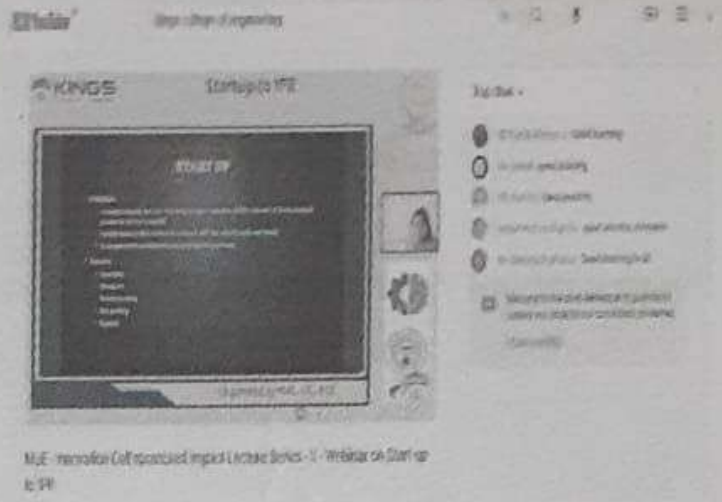
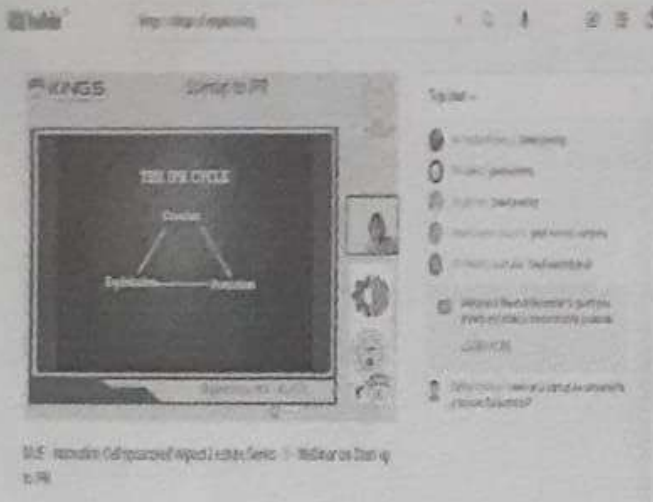
Partner, LEX IP CARE LLP

Chennai

The session was started by 4.00 p.m through Google Meet and YouTube platform. Introduction about the resource person was delivered by S.Aparnaa, IV/ECE, IIC Student Member. Initially, resource person thanked Management, Principal, IIC Coordinators and student members. In the initial part of her lecture, she has started general Introduction about startup definition (A Young company born out of a desire to solve a problem, fulfill a demand, or bring a unique product or service to market) which is nothing but an organization has an Innovation and pointed out three components such as new business, Innovation technology and passion to perform. She pointed out an examples OLA and Uber(Disruption in taxi services)and explained clearly about startup features such as Innovative, Disruptive, and Problem solving, fast growing and scalable.

She started to explain about The IPR Cycle such as Creation, Exploitation and Protection. Then she explained about Intellectual Property Rights (IPR) such as necessity of Property Rights, Progress of nation towards Innovations and Patent. She also shared about copy rights with suitable examples such as literary, films, musical, sound recording, registration and duration for copy rights. Then she started to present about patents with suitable definition and types of patents such as Patent Inventions and Non Patentable Inventions. she also explained about Patent life cycle such as Idea, Basic research, understand the economic importance, prior art research, patent filing, patent prosecution .she has clearly explained the benefits of IPR and procedure for patents to apply. Then she talked about different examples of IPR. The session was very informative and the participants have interacted with the resource person.

Session -II Photographs



*R. S. Jayaram*  
2/11/2021  
IIC Member

*P. Anantharaman*  
2/11/2021  
Vice President-IIC & AP/EEE

*J. Pradeep*  
2/11/2021  
President-IIC & Principal



### Members

Mr.R.Shankar, Assistant Professor / MECH  
Mr.J.Niranjan Samuel, JRF/R&D.

Programme Type: Webinar on Future of Innovation and Intellectual Patent Rights(IPR)

Promotion in social media: Facebook and Instagram

### Inaugural Session:

Inaugural session was started through Google Meet(online) and streamed through YouTube by 10.20 A.M presided over by Dr.J.ArputhaVijaya Selvi, IIC President,Head of the Institution. The dignitaries during the online inaugural session were all the IIC Program Coordinators and IIC faculty and student Members. The program was started with Welcome address delivered by Mr.R.Sundaramoorthi, Assistant Professor/EEE. Introduction about Impact lecture series delivered by Mr.R.Shankar AP/Mechanical and Resource Person Introduction given by G.Latchayasri, IV/ECE, IIC Student Member

### Participants:

External :27 Internal :195 Total : 222

**Session 1: Session on "Future of Innovation in India" by  
Mr.K.Amirtha Ganesh, Director, Armada Industrial Automation  
Thanjavur**

The session was started by 10.30 A.M through Google Meet and YouTube platform. Before starting the session, Resource person thanked Management, Principal, IIC Coordinators and members of Kings College of Engineering. 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. He shared knowledge about start up and Innovation by practical examples and also explained basics of research and patents through his practical exposure. Then he explained about different types of Innovations made recently in India particularly recently available in the market and how to develop a simple product. He briefly explained about his career and innovations developed recently in different sectors such as Agriculture, Diffence applications, Women safety and medical applications. Through demonstrated pictures of Defense field he has given idea about how to start the innovation and products. 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.

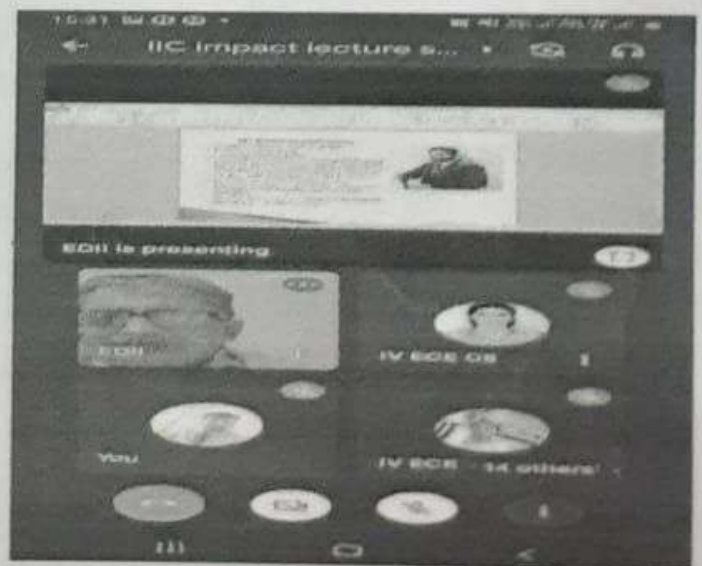
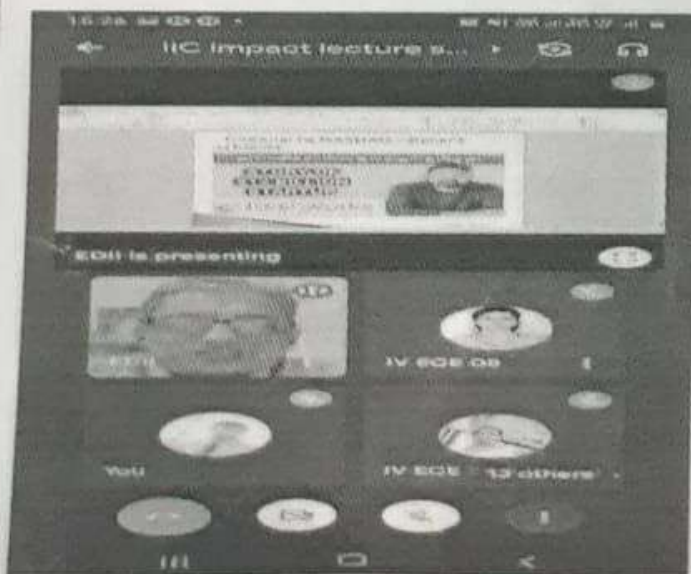
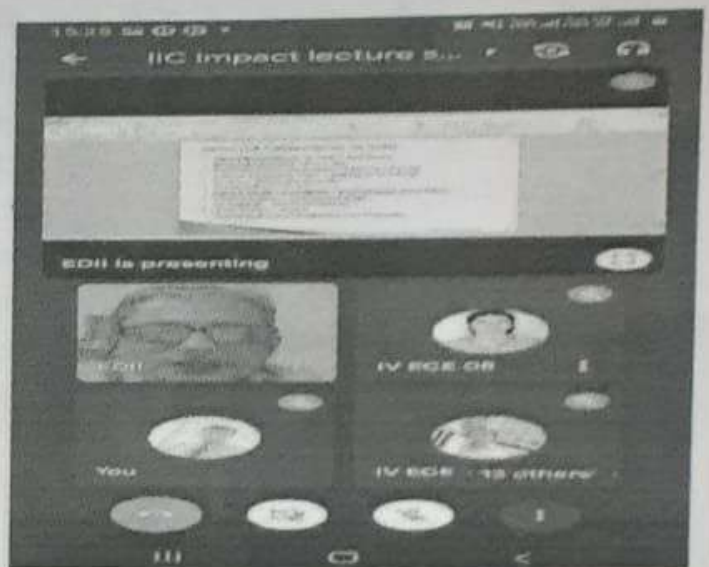
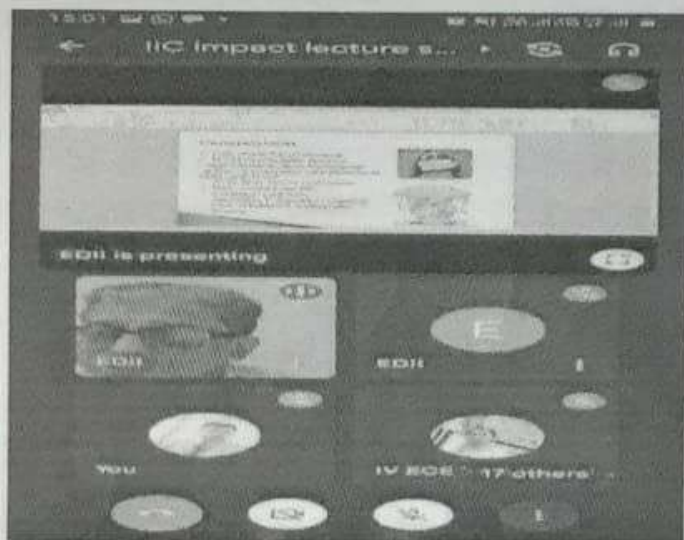
### Benefits Intermis of Learning/Skills/Knowledge obtained:

- All the participants have benefitted and gained knowledge about startup and Patent Rights skills set through practical concepts and examples.
- Programme helped to initiate simple Product development 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:

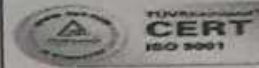
The feedbacks from the participants were collected. Mr.R.Sundaramoorthi, Vice President, IIC delivered the vote of thanks.

### Session -I Photographs





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ACADEMIC YEAR 2021-22 (ODD SEMESTER)



**WORKSHOP**  
**On**

**“PROBLEM SOLVING AND IDEATION”**

**6.12.2021**

**REPORT**

Institution's Innovation Council (IIC) of Kings College of Engineering organized workshop on “PROBLEM SOLVING AND IDEATION on 6.12.2021.

**Objective:**

The main objective of this webinar is to provide ideas of create complex components using Die casting and Injection mold process.

**Resource persons:**

Mr.M.P.Muralidharan  
Production Designer  
Husky Injection Mold  
Chengalpat.

**President:**

Dr.J.Arputha vijaya selvi,Principal,KCE

**Vice- President**

Mr.R.Sundaramoorthi, Assistant Professor / EEE

**Convenor**

Mr.R.Balakrishnan, Assistant Professor / ECE

**IIC member & Coordinator**

Mr.R.Shankar, Assistant Professor / MECH

**Quarter series-I**

**Programme Type:** Workshop session

**Promotion in social media:** YouTube

Workshop Summary

This report provides a brief summary of the lecture on "PROBLEM SOLVING AND IDEATION" organized by Institutions Innovation Cell on 6.12.2021 at 10 am to 11 am through Kings - YouTube channel. 97 participants registered and attended the programme.

The session was started by 10.00 a.m. Introduction about the resource person was delivered by Mr.R.Shankar, Assistant Professor/ Mechanical department & IIC Member. The lecture was delivered by Mr.M.P.Muralidharan, Production Designer, Husky Injection Mold, Chengalpat. He has explained the benefits of using die casting and injection molding in automotive industry. Most of the participants who attended the workshop were Students and Faculty. The lecture provided an interactive atmosphere between the resource person and the participants.

Vote of thanks was given by Mr.R.Shankar, Assistant Professor, Department of Mechanical Engineering, Kings College of Engineering. End of the session, all attended participants gave their feedback and E-certificate has been sent to them through email.

Benefits Intermis of Learning/Skills/Knowledge obtained:

- Programme helped to initiate how to make the complex shapes within closer tolerances than many other mass production processes.
- It helps to gain the ideas, how to create objects using pressurized molten metal.
- Lecture helps to know the different materials which is used in injection molding



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Tamil Nadu, India, www.kingsengg.edu.in

*Workshop*  
*Organized by*  
Institution's Innovation Council



Session  
on


**PROBLEM SOLVING AND IDEATION**

Registration link : <https://forms.gle/CNqQwPEynMJA3RUQ9>

Date : 06.12.2021  
Time : 10.00 am to 11.00 am

E-Certificate will be provided to all participants

**Resource Person:**  
Mr.M.P.Muralidharan  
Production Designer  
Husky Injection Mold  
Chengalpat.



Mr.R.Shankar, AP/MECH  
Mr.J.Niranjani Samuel, JRF/R&D  
IIC Member & Coordinator

Mr.R.Balakrishnan, AP/ECE  
IIC Convener

Mr.R.Sundara Moorthy  
IIC Vice President

Dr.S.M.Uma  
Startup Cell Coordinator

Dr.J.Arputha Vijaya Selvi  
IIC President & Principal



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 Punalakulam, Gandarvakottai Taluk, Pudukkottai, Dt-613303  
 Tamil Nadu, www.kingsindia.net

### Certificate of Participation

This is to certify that S.Nelson Raja, Assistant Professor, from Kings College of Engineering-Thanjavur has actively participated in the workshop on "PROBLEM SOLVING AND IDEATION" organized by Institutions Innovation Council, Kings College of Engineering, Pudukkottai on 6<sup>th</sup> December 2021.

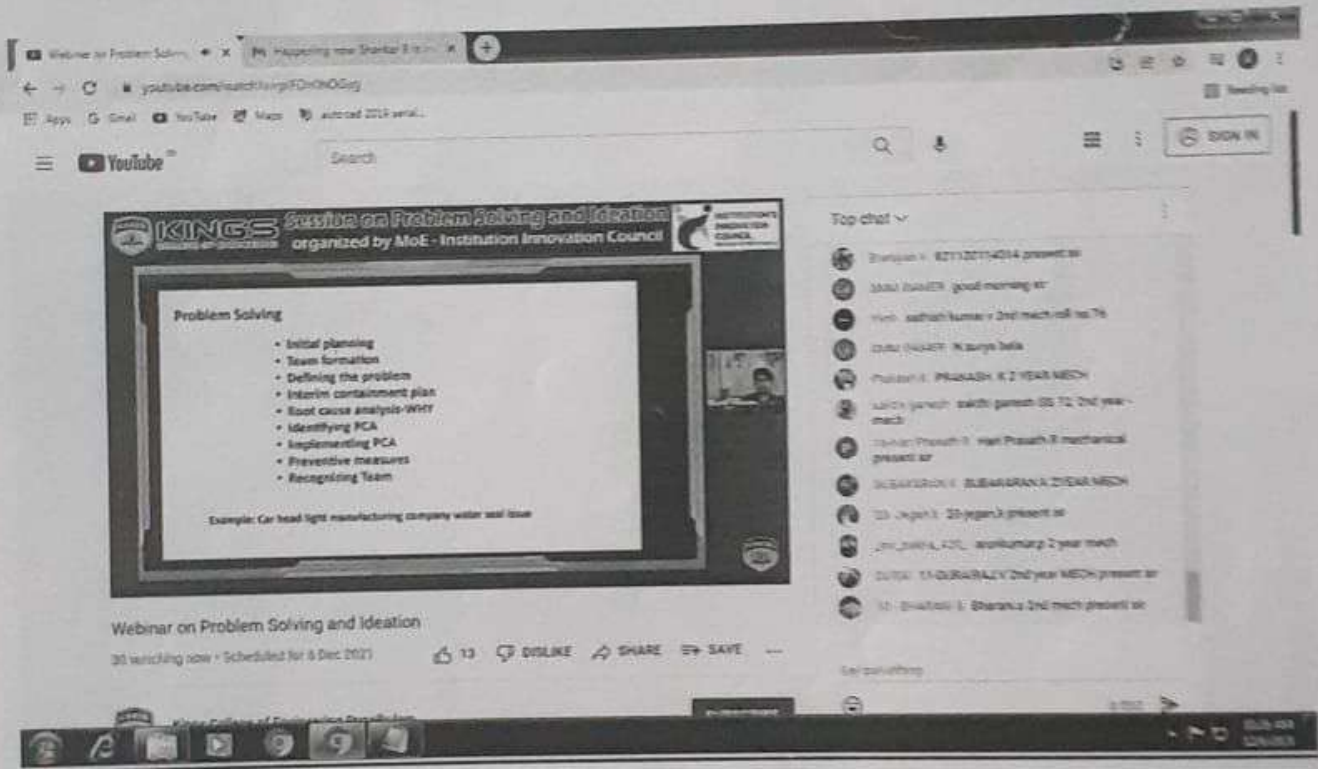
Mr. R. Shankar, AP/MECH.  
 IIC Member & Coordinator

Mr. R. Sundramoorthi, AP/EEE  
 IIC Vice President

Dr.J. Arputha Vijaya Selvi  
 Principal

Certificate -Sample copy

### Event Photographs



Resource person Mr.M.P. Muralidharan delivering the lecture on problem solving and ideation

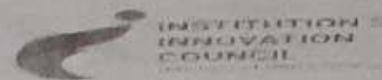
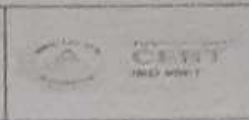
*R. Shankar*  
 12/12/21  
 Coordinator & IIC Member

*R. Sundramoorthi*  
 12/12/2021  
 Vice President-IIC & AP/EEE

*J. Arputha Vijaya Selvi*  
 12/12/2021  
 President-IIC & Principal



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ACADEMIC YEAR 2021-22(ODD SEMESTER)

WEBINAR

On

"Expert Talk on Process of Innovation, development and Technology Readiness level (TRL) Commercialization of Lab technologies & tech transfer"

5.2.2022

IIC ID: IC201810951

### REPORT

Institution's Innovation Council (IIC) organized webinar on "Process of Innovation, development and Technology Readiness level (TRL) Commercialization of Lab technologies & tech transfer" on 05.02.2022.

#### Objective:

The main objective of this webinar series:

- To give ideas on Process of Innovation and technology development in Industry 4.0.
- It provides a platform for the teaching faculties and students to upgrade and know about the development and Technology.
- In addition, this programme will help to understand about technology transfer between Industry 3.0 and Industry 4.0.

#### Speaker details:

"Expert Talk on Process of Innovation, development and Technology Readiness level (TRL) Commercialization of Lab technologies & tech transfer" by

Mr.M.Avinash

Head, Customer success & Implementation

Think 7 Business Systems Pvt Ltd

Bangalore

#### President:

Dr.J.Arputha vijaya selvi, Principal, KCE

#### Vice- President & Coordinator

Mr.R.Sundaramoorthi, Assistant Professor / EEE

#### Members

Mr.R.Shankar, Assistant Professor / MECH

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

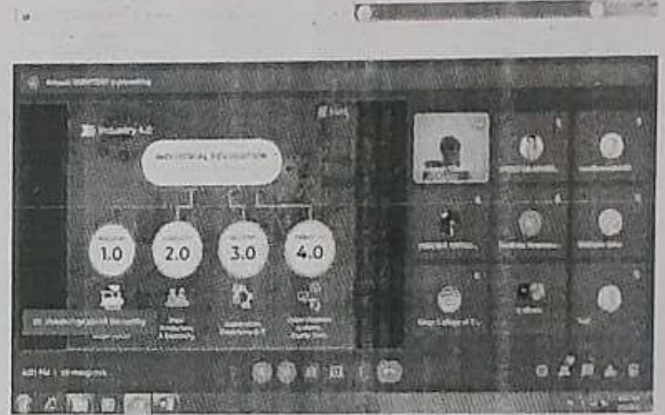
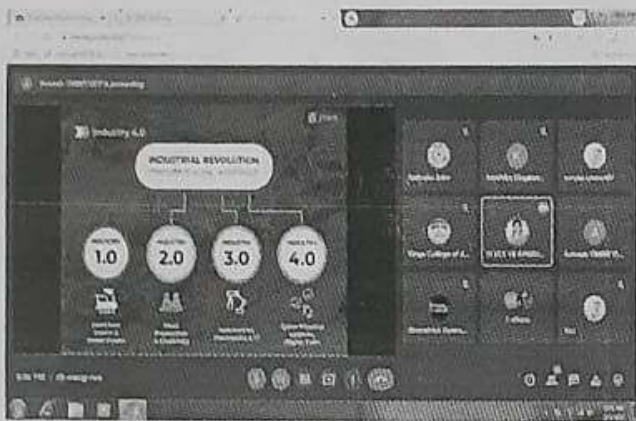
**Benefits In terms of Learning/Skills/Knowledge obtained:**

- All the participants have benefitted and gained knowledge about importance of Industry Requirements and Process of Innovation.
- Programme helped to adapt new technologies in IoT and Sales Marketing.
- Portrays the accelerated learning curve for students in involving different technologies associated with Industry 3.0 and Industry 4.0.
- 

**Valedictory Function:**

The feedbacks from the participants were collected. Mr.R.Sundaramoorthi, Vice President, IIC delivered the vote of thanks.

**Session Photographs:**



*R. Sundaramoorthi*  
22/02/2022  
Vice President-IIC & AP/EEE

*J. Murali*  
22/2/2022  
President-IIC & Principal



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**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Autonomy of IITB Institutions)

ACADEMIC YEAR 2021-22(ODD SEMESTER)  
**WEBINAR**  
On  
" Design Thinking, Critical thinking and Innovation Design"  
26.2.2022

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IIC ID: IC201810951

REPORT

Institution's Innovation Council (IIC) organized webinar on "Design Thinking, Critical thinking and Innovation Design" on 26.02.2022.

Objective:

The main objective of this webinar series:

- To give ideas on design thinking, Critical thinking of Innovative Projects.
- It provides a platform for the students to upgrade and know about the recent development and Technology.
- In addition, this programme will help to understand about technology transfer in Industry

Speaker details:

"Design Thinking, Critical thinking and Innovation Design" by  
Dr.P.Narasimman  
Assistant Professor  
Department of EEE  
Kings College of Engineering

President:

Dr.J.Arputha vijaya selvi,Principal, KCE

Vice- President &Coordinator

Mr.R.Sundaramoorthi, Assistant Professor / EEE

Members

Mr.R.Shankar, Assistant Professor / MECH

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

Programme Type: Webinar on "Design Thinking, Critical thinking and Innovation Design"

Promotion in social media: Facebook



**Programme Type:** Expert Talk on Process of Innovation, development and Technology  
Readiness level (TRL) Commercialization of Lab technologies & tech transfer

**Promotion in social media:** Facebook and Instagram

**Participants:**

External: Nil Internal :175 Total : 175

**Session details:** "Expert Talk on Process of Innovation, development and Technology  
Readiness level (TRL) Commercialization of Lab technologies & tech transfer" by

Mr.M.Avinash

Head, Customer success& Implementation

Think 7 Business Systems Pvt Ltd

Bangalore

The session was started by 5.30 p.m through Google Meet and YouTube platform. Welcome address was delivered by Mr.R.Sundaramoorthi,AP/EEE,IIC/Vice President. Introduction about the resource person was delivered by Ms.K.Aparnaa,IIC Student Member. Initially, Mr.M.Avinash, Whole hearted thanks to Management,Principal,Coordinators and student members. In the initial part of his lecture, he has started general Introduction about Importance of Process of Innovation. Then he started to explain about Industry 2.0, Industry 3.0 and Industry 4.0.

He shared knowledge about how development and technology associated with software Industry. In Industry 1.0, Machines, steam and water power involved under manually. That means Industry 1.0, no automation involved. In Industry 2.0, Mass Production and Electricity developed. Here mechanically automated process also done by using simple components. In the next revolution Industry 3.0 which involves Automation, Electronics and Information technology developed. In addition, software such as CNC& PLC and mechanical drives control used. Industry 4.0 deals with Cyber Physical systems and Digital twin technology. In Industry 4.0,all machineries controlled through Internet of Things (IoT) and Gateway. Here Communication faster compared to all the other Industry 1.0,2.0 and 3.0. He gave plenty of examples such as mechanical automation and manufacturing technology associated with Industry 3.0 and Industry 4.0. He pointed out various role of Industry 4.0. He also shared the scope of current job requirement and future development in Industry.

He mentioned about Innovation in Industry through different practical Examples. He broadly explained about how Industry 4.0 which helpful in the development of Innovation. He has shared knowledge about the importance of Industry requirements such as sales, Product development, Production, quality and also organization requirements.

Participants:

External: Nil Internal:127/Total :127

Session details: "Design Thinking, Critical thinking and Innovation Design" by

Dr.P.Narasimman  
Assistant Professor  
Department of EEE  
Kings College of Engineering

The session was started by 12.30 p.m through Google Meet and YouTube platform. Welcome address was delivered by G.Latchayasri, IIC Student Member. Introduction about the resource person was delivered by Ms.K.Aparnaa,IIC Student Member. In the initial part of his lecture, he has started general Introduction about Importance of design of Projects. Then he started to explain about Industry Projects and design factors. He shared his research experience and different tools are used in Prototype design and process design in order to develop the prototype. He shared knowledge about how development and technology associated with software Industry and broadly given the agenda such as Introduction about prototype, free software's available to develop a prototype, basic circuit designing, software and applications etc. He clearly explained from basics of prototype through some practical examples such as Multilevel Inverter, UPS Design etc. In addition with, other practical examples were also given such as agriculture field and Military applications. He has given plenty of problems and solutions in order to get product through flowchart. Finally he has mentioned that general Instructions and guidelines for Project design and how to convert prototype to patterns. The session was very informative and the participants have interacted with the resource person.

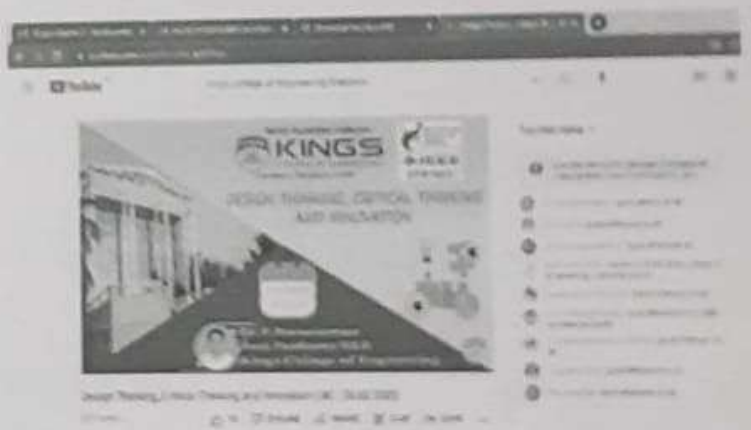
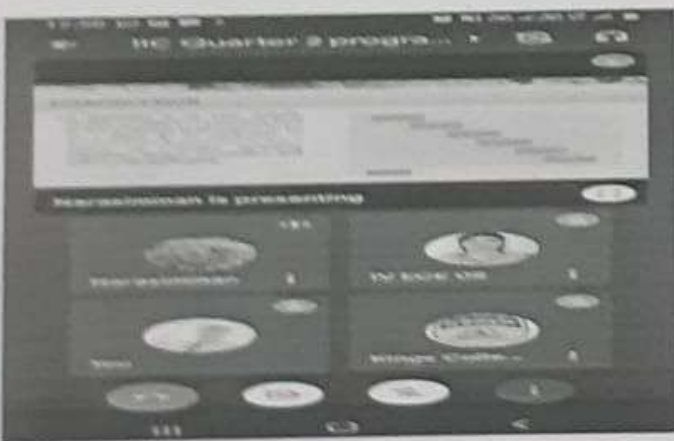
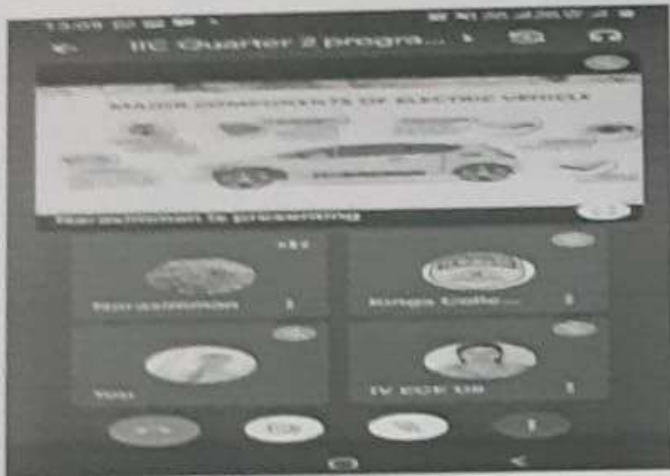
Benefits In terms of Learning/Skills/Knowledge obtained:

- All the participants have benefitted about product design and methodology.
- Webinar helped to initiate how to get develop Product through design concepts.
- Portrays the accelerated learning curve for students in involving Product development

Valedictory Function:

The feedbacks from the participants were collected. Mr.R.Sundaramoorthi, Vice President, IIC delivered the vote of thanks.

Session Photographs:



*P. Ananthanand*  
 Vice President-IIC & AP/EEE  
 11/03/2022

*J. M. Muthu*  
 11/3/2022  
 President-IIC & Principal

**ACADEMIC YEAR 2021-22(EVEN SEMESTER)  
SMART INDIA INTERNAL HACKATHON 2022-REPORT****Session Details:**Title of the Session : **Smart India Internal Hackathon-2022**

Date : 21.3.2022

Duration : 11 AM TO 3.30 PM

Activity Category : Internal

Nature of the Session : Physical Mode

Facebook link for the event organized: Facebook/Kings College of Engineering

- Theme :Problem Statements from SIH 2022
- Agriculture, Food Tech & Rural Development
- Renewable /Sustainable Energy
- Smart Automation
- Smart Vehicles
- Block chain and Cyber security

**Speaker Details:**

Name:Dr.J.Arputha Vijaya Selvi

Designation: Principal/IC President

Organization: Kings College of Engineering

Name:Dr.S.Sivakumar

Designation: Vice Principal

Organization: Kings College of Engineering

**Jury Details**

- Mr.M.Arjun, AP/CIVIL -arabkumar.civil@kingsongg.edu.in
- Dr.S.M.Dina/BOD/CSE -smds@kingsongg.edu.in
- Mr.T.Prasupathi, AP/ECE -prasupathi.ec@kingsongg.edu.in
- Dr.P.Narasimhan, AP/EE -narasimhan.ec@kingsongg.edu.in
- Mr.R.Shanker, AP/MECH -shanker.mech@kingsongg.edu.in

**Programme Report:****Objective:**

- To enhance the knowledge of students and motivate them to compete in the global competitive engineering field.
- To showcase the research talents, innovativeness, and creativity among the students.
- It provides a platform for the students to upgrade and know about the development and Technology.
- To provide a forum for sharing new design and alternative technologies and to promote a vibrant interactive environment leading to exchange of new research ideas.

Institution's Innovation Council (IIC) of Kings College of Engineering organized Smart India Internal Hackathon-2022 on 21.3.02022 at Pallava Hall. A total of 13 teams (78 Members) were actively presented their ideas. Each team consists of six members and different themes are selected from the SIIH 2022 Portal. The session was started by 11.30 A.M with Tamil Thaaai Vaazthu .Welcome address was delivered by Mr.R.Sundaramoorthi,AP/EEE,IIC/Vice President.

Presidential Address was delivered by Dr.J.ArputhaVijayaSelvi, Principal, IIC Vice President. During Presidential address, she pointed out Role of Innovation in Institution, recent trends in Engineering and current scenario of Engineering students minds. She also motivated to create vibrant research activities and participate more techno fest competitions. Special Address was delivered by Dr.S.Sivakumar, VicePrincipal. During his speech, he mentioned about over all idea of Smart India Hackathon 2022 and problems statements described in the websites. He interacted with all the students and motivated them for Smart India Hackathon Event. Presentation started by 12.15 p.m as per schedule circulated in Agenda. Instructions and Guidelines about presentation acknowledged. The following department teams were participated.

SL.NO	DEPARTMENT	NO OF TEAMS	SECTOR
1	CIVIL	02	• Agriculture,FoodTech&Rural Development
2	CSE	03	• Block chain and Cyber security
3	ECE	04	• Smart Automation
4	EEE	02	• Smart Vehicles
5	MECH	02	• Renewable /Sustainable Energy
TOTAL :13(78 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.Over all eight hardware teams and two software teams were identified. Three teams are nominated as waiting list category.

The feedbacks from the participants were collected. Mr.R.Shankar, 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.
- Portrays the accelerated learning curve for students in involving different technologies associated with different Industries and funding Agencies.



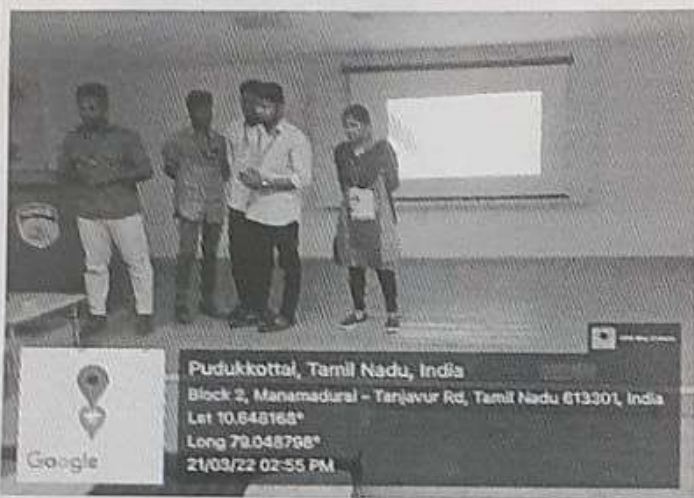

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ECE Branch students Exhibiting Idea



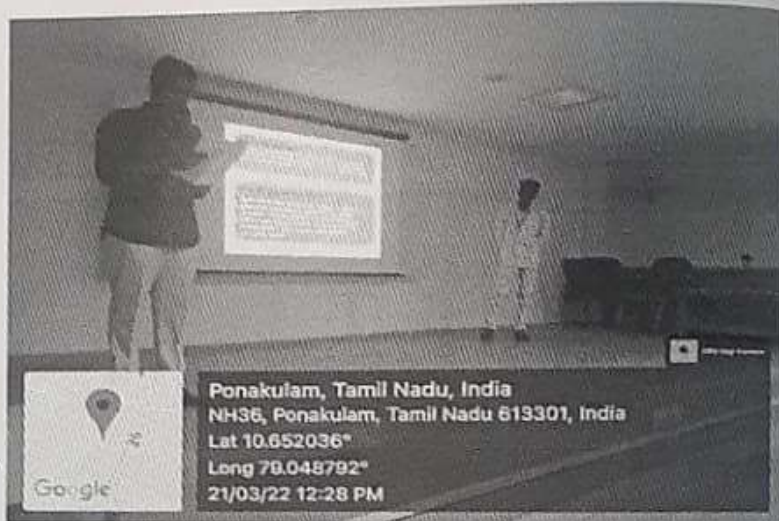

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ECE Branch students Exhibiting Idea



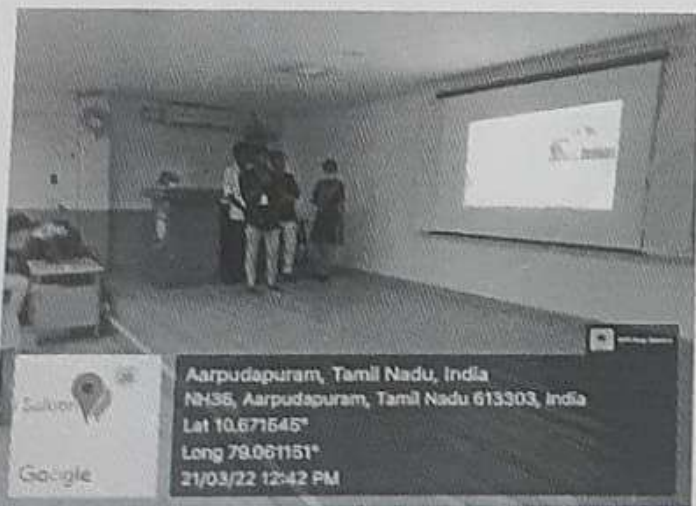

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EEE Branch students Exhibiting Idea




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Civil Branch students Exhibiting Idea




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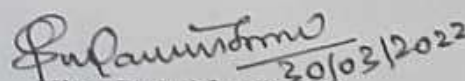
Mechanical Branch students Exhibiting Idea

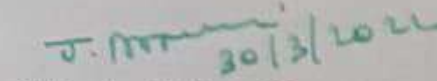



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Mechanical Branch students Exhibiting Idea

  
 30/3/22  
 IIC Members

  
 30/03/2022  
 Vice President, IIC

  
 30/3/2022  
 Principal/President, IIC