

**ACADEMIC YEAR 2022-23(EVEN SEMESTER)
QUARTER-II-IIC ACTIVITY REPORT**

IIC ID: IC201810951

Session Details:	
Title of the Session :“Process of Innovation development &technology readiness level(TRL) Commercialization of lab technologies &tech transfer”	
Date : 28.2.2023	Duration : 2 Hour (2.00 P.M to 4.00 P.M)
Activity Category : Internal	Nature of the Session : Offline Mode
Facebook link for the event organized	Facebook/Kings College of Engineering
Speaker Details:	
Name:Mr.R.Viswanath	Designation:Technical trainer
Organization:Armada Industrial Automation,Thanjavur	
Programme Report:	
<p>Objective:</p> <ul style="list-style-type: none"> • To provide a brief idea of process of Innovation and technology readiness level in the manufacturing 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 and to bring to product through professional discussions. <p>Institution’s Innovation Council (IIC) of Kings College of Engineering organized Expert talk on “Process of Innovation development &technology readiness level(TRL) Commercialization of lab technologies &tech transfer” on 28.2.2023.The session was started by 2.00 p.m. The event had a whopping number of 65 participants of whom 60 were students and 05 were Faculty. Introduction about the resource person was delivered by M.Mukesh,III/EEE, and IIC Member. During the session, He shared knowledge about how development and technology associated with Industry needs.In Industry 1.0, Machines, steam and water power involved under manual which means that 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.</p>	

In Industry 4.0, all machineries controlled through Internet of Things (IoT) and Gateway. 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 that 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 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. In addition with, other practical examples were also given such as agriculture field and real world problem COVID-19. He has given Plenty of problems and solutions in order to get product through flowchart. 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.R.Shankar, IIC Member delivered the vote of thanks.

Outcome of the activity:

- 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

Participants Details:

Total No. of Student Participation: 60 Members

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

Photographs:



B. [Signature]
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 IIC Members

[Signature]
 Vice President, IIC

[Signature]
 28/3/2023
 Principal/President, IIC