



A NAAC Accredited Institution  
**KINGS**  
COLLEGE OF ENGINEERING  
Recognized under 2(f) & 12(B) of UGC  
Approved by AICTE, New Delhi  
Affiliated to Anna University, Chennai



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ORIENTATION PROGRAM AND BRIDGE COURSE REPORT**  
**ACADEMIC YEAR 2021-22 (ODD SEMESTER)**

As a part of academic activity of the department, Orientation Programme and Bridge Course on technical skill development, training and placement and GATE & higher study initiatives was organized on 18<sup>th</sup> August 2021 for second and third year students of mechanical engineering through virtual mode. The programme was held in four sessions from 09.00am to 1.00pm.

**Session I :** Dr. T. Pushparaj, HoD, Department of Mechanical Engineering delivered the welcome address for the “Orientation Programme and Bridge Course” for both second and third year students between 09.30am to 9.45am. He highlighted the importance of mechanical knowledge, outcome based education and shared his experience with the students.

**Session II :** Dr. K. Sudhakar, Assistant Professor / Ms. P. Suganya, Assistant Professor, Department of Training Placement enlightened second year students about “Choose Right Career” and give knowledge, skill, aptitude and meet the manpower requirements of the industry between 09.45am to 10.30am. Mr. M.Melvin, Assistant Professor, Department of Mechanical Engineering handled an activity based session for third year students on “Curriculum, Job Opportunities and SWAYAM certification Program” between 09.45am to 10.30am.

**Points Discussed in Session-II**

- Career guidance about avenues open after graduation.
- Importance of professional development.
- Curriculum based courses from diverse disciplines.

- Advanced curriculum and professional certification.
- Knowledge development through to SWAYAM platform.

**Session III** : Mr. S. Shanmugam, Senior CNC Programmer, BHEL-Trichy delivered a special lecture on “Future and Scope in Mechanical Engineering” for second year students between 10.45am to 11.15am. Dr. K. Sudhakar / Ms. P.Suganya, Department of Training Placement enlightened third year students about to “Choose Right Career” and give knowledge, skill, aptitude and meet the manpower requirements of the industry between 10.45am to 11.45am.

### **Points Discussed in Session-III**

- The scope of growth and career advancement of mechanical engineers in India.
- Various areas of mechanical engineering.
- Recent trends in mechanical engineering.
- Career guidance about avenues open after graduation.
- Importance of professional development.

**Session IV** : Mr. H.Agilan, Assistant Professor, Department of Mechanical Engineering, imparted a knowledge on “GATE and Higher Study Initiatives” for second year students between 12.00pm to 01.00pm. Mr. R.Rajadurai, Assistant Professor, Department of Mechanical Engineering, presented the lecture on “An Introduction to Value Added Course- Energy Resource and Management” for third year students between 12.00pm to 01.00pm.

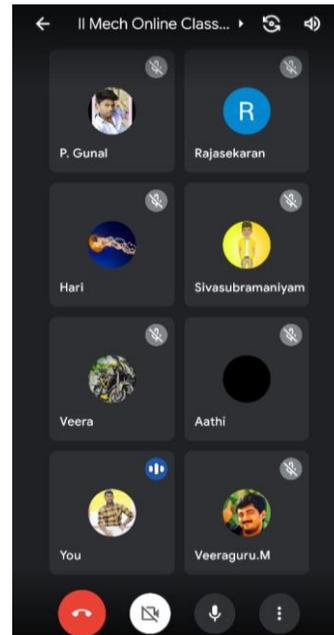
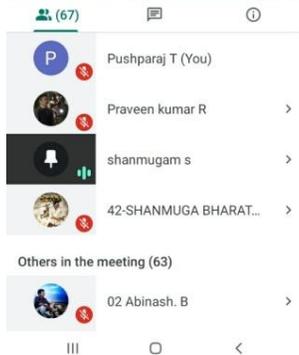
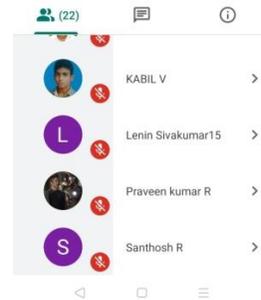
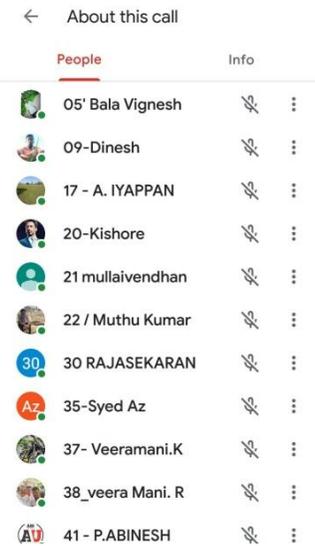
### **Points Discussed in Session-IV**

- Future scope of GATE exam.
- Highlights of GATE 2022.
- Initial steps for an effective energy cost control program.
- Different ways to save energy in a practical life.
- Engineering concepts to save energy.

## Outcomes:

After completion of the bridge course and orientation program in mechanical engineering, there was a significant progress in technical skills of the students. All the second year and third year students actively participated and clarify their doubts by raising the questions. Students interacted with the resource persons and gained the technical knowledge.

## Sample Images:



**Bridge Course Coordinator**

**HoD/MECH**

**PRINCIPAL**



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ACADEMIC YEAR 2021-22 (ODD SEMESTER)**

**Agenda**

**Mode: Online**

**Date: 18.08.21**

**Orientation Program for II Year Students**

<b>Time</b>	<b>Subject</b>	<b>Faculty</b>
9.30 a.m. to 9.45 a.m.	Welcome Address	Dr.T.Pushparaj, HoD,MECH
9.45 a.m. to 10.30 a.m.	Training and Placement Program	Dr.K.Sudhakar/ Ms.P.Suganya, AP/T&P
10.45 a.m. to 11.45 a.m.	Future and Scope in Mechanical Engineering	<b>Mr.S.Shanmugm,</b> Senior CNC Programmer, BHEL-Trichy
12.00 p.m. to 1.00 p.m.	GATE and Higher Study Initiatives	Mr.H.Agilan, AP/MECH

**Bridge Course for III Year Students**

<b>Time</b>	<b>Subject</b>	<b>Faculty</b>
9.30 a.m. to 9.45 a.m.	Welcome Address	Dr.T.Pushparaj, HoD,MECH
9.45 a.m. to 10.30 a.m.	Curriculum, Job Opportunities and SWAYAM certification Program	Mr.M.Melwin, AP/MECH
10.45 a.m. to 11.45 a.m.	Training and Placement Program	Dr.K.Sudhakar/ Ms.P.Suganya, AP/T&P
12.00 p.m. to 1.00 p.m.	An Introduction to Value Added Course- Energy Resource and Management	Mr.R.Rajadurai, AP/MECH

**Refresher Course for IV Year Students**

<b>Time</b>	<b>Subject</b>	<b>Faculty</b>
9.30 a.m. to 9.45 a.m.	Welcome Address	Dr.P.P.Shantharaman, Asso. Prof./MECH
9.45 a.m. to 10.30 a.m.	Training and Placement Program	Dr.K.Sudhakar/ Ms.P.Suganya, AP/T&P
10.45 a.m. to 11.45 a.m.	Future and Scope in Mechanical Engineering	<b>Mr.S.Shanmugm,</b> Senior CNC Programmer, BHEL-Trichy
12.00 p.m. to 1.00 p.m.	Inventory and Stock Upholding	Mr.S.Desikan, AP/MECH

**Bridge Course Coordinator**

**HoD/MECH**

**PRINCIPAL**