



DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2022-23 / ODD SEMESTER

WEBINAR REPORT

The Department of Mechanical Engineering organized a national level webinar through online mode on “**Applications of Theory of Machines**” on **30.08.2022** at **10.00 a.m. to 11.00 a.m.** Welcome address was given by **Mr. M. Vivekananthan**, Assistant Professor / Mechanical, Kings College of Engineering.

Resource person **Dr. S. Renold Elsen**, Associate Professor, Department of Mechanical Engineering, VIT, Vellore was introduced by **Dr. T. Pushparaj**, Professor & Head/Mechanical, Kings College of Engineering. The resource person had given the lecture on “**Applications of Theory of Machines**”. In his lecture, he explained about the various concepts of machine theories and applications of Kinematics and Dynamics mechanisms such as mini hydro-turbines, odorless toilets and self-balancing motors.

In this webinar, **182** participants in **13** colleges have been registered from various institutions. Among these, **163** participants from various Engineering College, polytechnic college and Arts College have attended the webinar. Vote of thanks was given by **Mr. S. Sabanayagam**, AP/Mechanical. Kings College of Engineering.

All the attended participants gave their feedback after the session and E-certificate have been sent to them through email.

Webinar Brochure



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

22
YEARS OF ACADEMIC
EXCELLENCE

A National Level Webinar on  **INSTITUTION'S
INNOVATION
COUNCIL**

“Applications of Theory of Machines”

Organized by
Department of Mechanical Engineering



Resource Person
Dr.S.Renold Elsen, M.E., PhD
Asso.Prof/Design & Automation
School of Mechanical Engineering
VIT, Vellore

On 30.08.2022 @ 10.00 am

Registration Link: [Click here for Webinar Registration](#)

Coordinators
Mr.S.Sabanayagam, AP/Mech,
Mr.M.Vivekananthan, AP/Mech



HoD/Mech **Principal**
Dr.T.Pushparaj Dr.J.Arputha Vijaya Selvi

 <https://www.facebook.com/KingsCollegeofEngineering/>
 https://www.youtube.com/channel/UCv_wHZyT-Nxxc4rbXBiciaw/featured

Participation Certificate – Sample Copy



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 **INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

Certificate of Participation

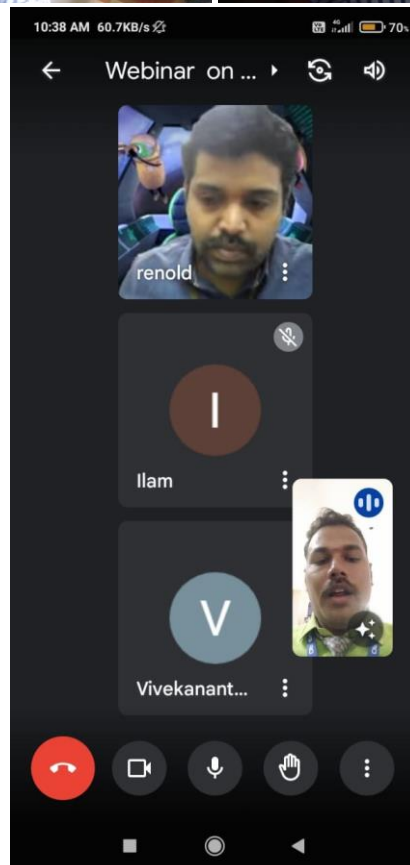
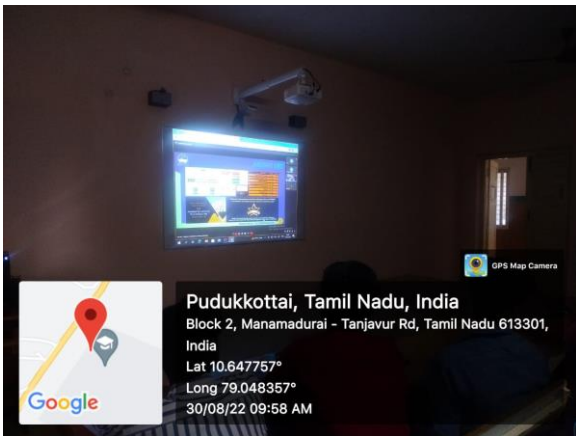
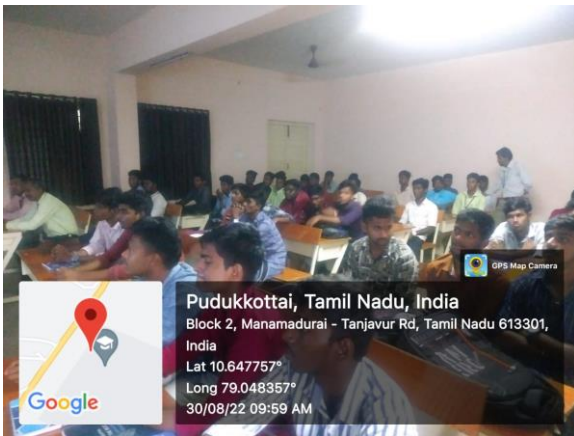
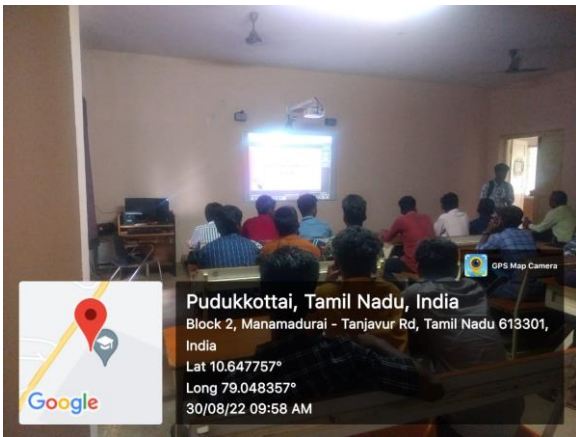
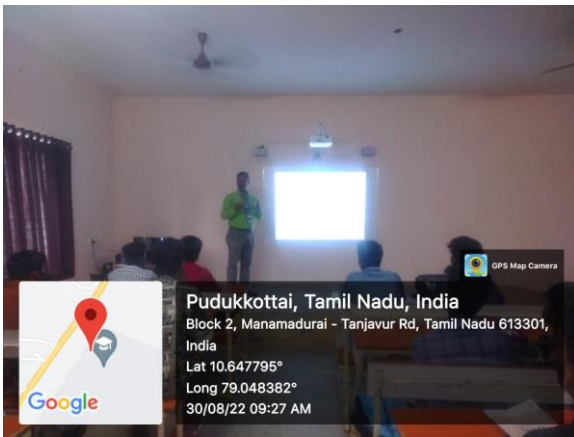
This is to certify that V. Durairaj of III Mech A,
from Kings College of Engineering has actively participated in the
National Level Webinar on **“Applications of Theory of Machines”**,
organized by Department of Mechanical Engineering, Kings College of
Engineering, Punalkulam, Near Thanjavur on 30th August 2022.

Mr.S.Sabanayagam, AP/Mech
Mr.M.Vivekananthan, AP/Mech
Coordinators

Dr.T.Pushparaj
HoD/Mech

Dr.J.Arputha Vijaya Selvi
Principal

Glimpses of the Event



Objective

The main objectives for organizing this Webinar are,

- ❖ To introduce the approaches and mathematical models used in kinematic and dynamic analysis of machinery.
- ❖ To give basic knowledge on kinematic and dynamic design of machinery.
- ❖ To give basic knowledge on mechanical vibrations.

Outcomes

Students who pass the course will be able to;

- ❖ Determine the kinematic chain and mobility, and perform the kinematic analysis of a given mechanism,
- ❖ Apply the fundamental principles of statics and dynamics to machinery,
- ❖ Understand and avoid/suppress certain common dynamical problems a machine may undergo,
- ❖ Understand the fundamentals of machine design for desired kinematic or dynamic performance.
- ❖ Understand the fundamentals of mechanical vibrations.

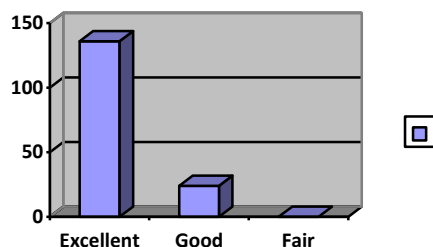
List of Attended Participants

S. No	Name of Institute/Organization	Number of participants
1	A.V.C. COLLEGE OF ENGINEERING	3
2	Anjalai Ammal Mahalingam Engineering College	2
3	ARASU ENGINEERING COLLEGE	3
4	Arifa Institute of Technology	1
5	EGS PILLAY ENGINEERING COLLEGE	6
6	Kings College of Engineering	127
7	K Ramakrishnan College of Engineering & Technology	3
8	M.I.E.T. Engineering College in Trichy	4
9	Parisutham institute of technology and science	3
10	Prist Engineering College, Thanjavur	2
11	Starlion Engineering College, Manongorai	2
12	St. Joseph College of Engineering & Technology, Elupatti	2
13	University College of Engineering Pattukkottai, Rajamadam	2

Feedback questions and responses

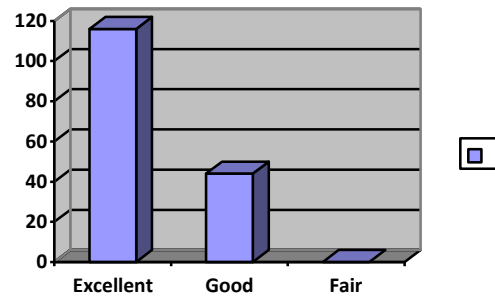
1. Content of the Program?

Excellent	Good	Fair
136	24	0



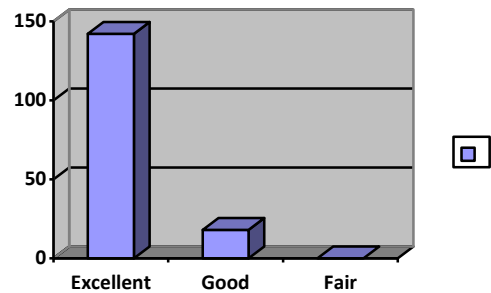
2. Quality of Audio/Video Streaming?

Excellent	Good	Fair
116	44	0



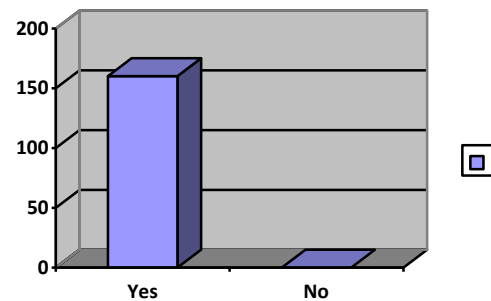
3. Way of Presentation?

Excellent	Good	Fair
142	18	0



4. Are you interested in future webinars in Kings?

Yes	No
160	0



M. S. Sabanayagam
28/9/22

Coordinator
(Mr.S. Sabanayagam)
(Mr.M. Vivekananthan)

T. Pushparaj
28/9/22

HOD/Mechanical
(Dr.T. Pushparaj)

J. Arputha Vijaya Selvi
28/9/2022

Principal
(Dr, J, Arputha Vijaya Selvi)