



SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

S.R.M NAGAR KATTANKULATHUR - 603 203

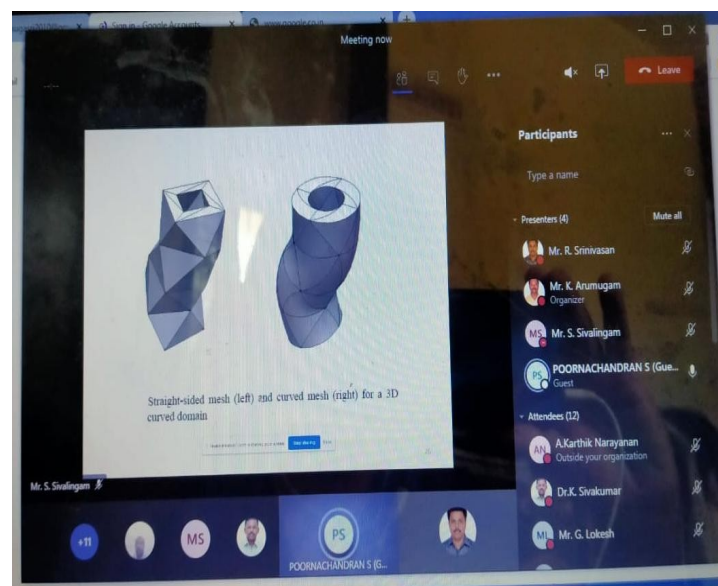
DEPARTMENT OF MECHANICAL ENGINEERING

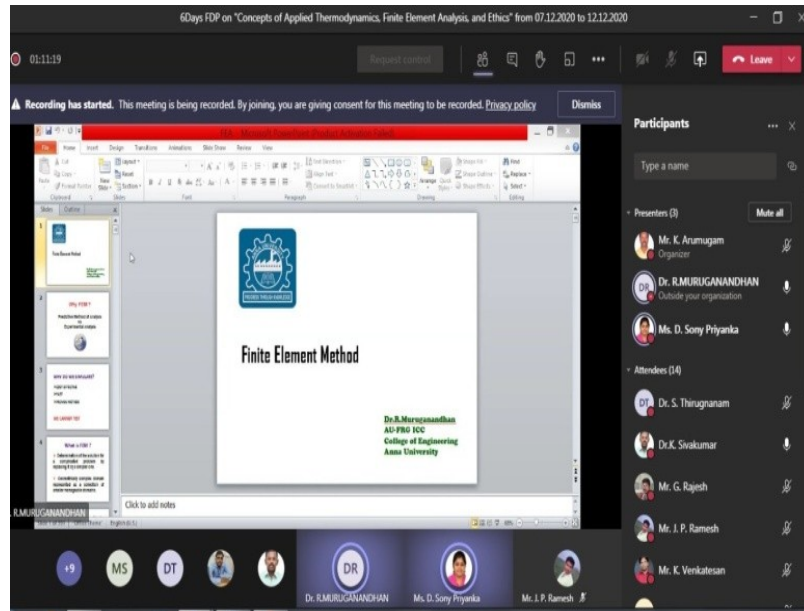
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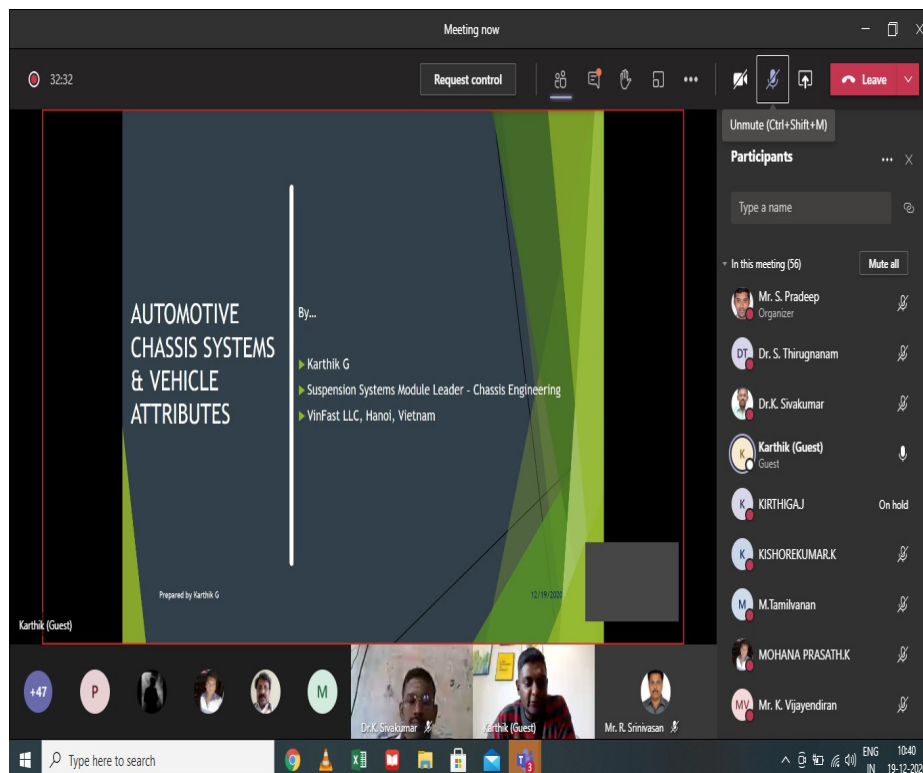
1. An online Faculty Development Programme on “**Concepts of Applied Thermodynamics, Finite Element Analysis and Professional Ethics**” conducted from 7.12.2020 to 12.12.2020. The External experts, **Dr.E.Ganapathy Sundaram**, Associate Professor & HoD, Mechanical Engineering, Velammal Engineering College, Chennai.

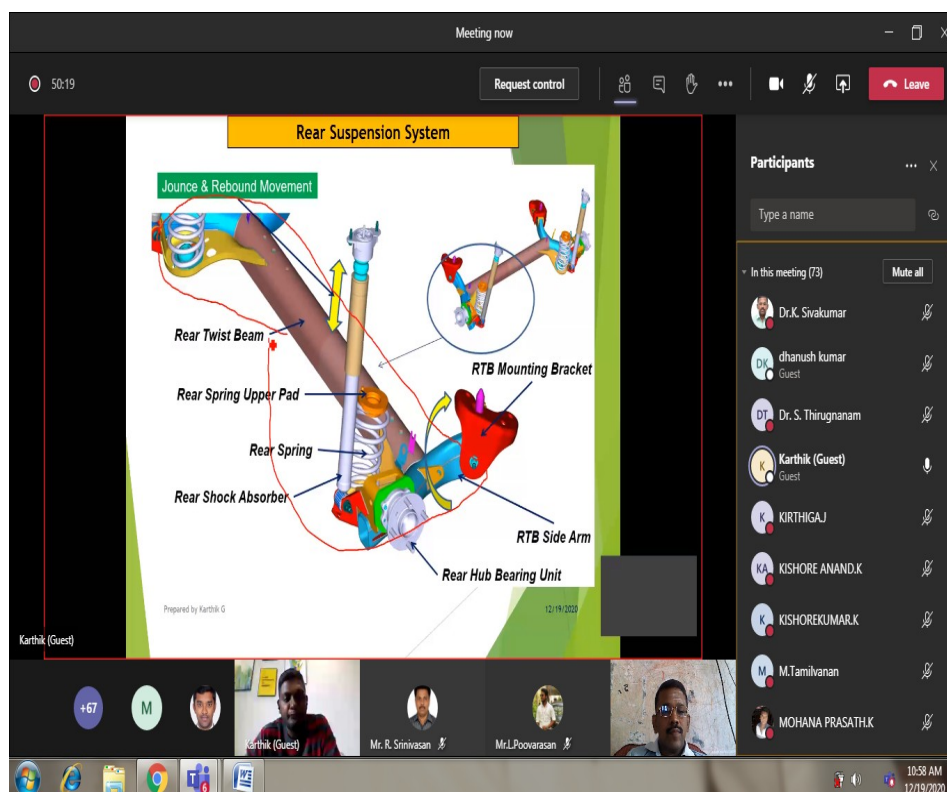
Dr.A.R.Pradeepkumar, Professor & Head/ Mechanical, Dhanalakshmi Engineering College, Chennai. **Dr.R.Muruganandhan**, Associate Professor and NSS Programme Officer, AUFRG Institute for CAD/CAM, Mechanical Engineering, College of Engineering Guindy, Anna University, Chennai. **Dr.S.Suresh Kumar**, Associate Professor/ Mechanical SSN College of Engineering, Chennai **Mr.K.Malar Mohan**, Assistant Professor, AUFRG-ICC, Mechanical Engineering, College of Engineering Guindy, Anna University, **Mr.G.Ananth**, **Mr.R.Ashok**, **Mr.R.Ramkumar** and **Mr.S.Pradeep**/Asst. professor/Mechanical, SRM Valliammai Engineering College, Chennai Chennai covered the following topics: human values, engineering ethics, engineering as social experimentation, safety, responsibilities and rights, Internal combustion engines and combustion, performance and systems, reciprocating air compressor and gas turbines, Two Dimensional vector variable problems temperature effects on 2D problems isoperimetric formulation numerical integration and application.





2. An online Guest Lecture on **“Automotive Chassis Systems and Vehicle Attributes”** was conducted on 19.12.2020. The resource person **Mr.G.Karthik**, Suspension Systems Module Leader, VinFast LLC, Hanoi, Vietnam, delivered the expert lecture on the respective topics: chassis commodity, Suspension system, Industrial Automation, Steering system, Braking System, Wheel, tool kit and its nomenclature, Growth Of Automations, Latest advancement in automation, Future technology on track.





3. An on line “**Technical Talk**” was conducted by Ph.d pursuing faculty members from 14/12/20 to 04/01/21. The session details are given below:

S. No.	Staff Name	Title	Date(Timing 2.00 PM to 3.00 PM)
1	Mr.S.Sivalingam AP(Sr.G)	Formability studies of nano composites	15/12/20
2	Mr.K.Arumugam AP(Sr.G)	Machinability studies of super alloys by ECM	16/12/20
3	Mr.K.Venkatesan AP(Sr.G)	Investigation of mechanical and thermal properties of sisal-abaca natural fiber reinforced epoxy composites	17/12/20
4	Mr.R.Srinivasan AP(Sr.G)	Manufacturing process of FRP composites for various application	22/12/20
5	Mr.K.Vijayendiran AP(Sr.G)	Biomass combustion and morphology analysis	21/12/20
6	Mr.J.P.Ramesh AP(Sr.G)	Aerodynamic technologies to improve aircraft performance	24/12/20
7	Mr.K.P.Manikandan AP(O.G)	Formability effects of process parameters on forming forces in SPIFP	28/12/20
8	Mr.K.Velavan AP(O.G)	Hybrid composites with nano particles	31/12/20

9	Mr.S.Suresh Pungaiiah AP(O.G)	Thermal spray coating technology to increase the heat transfer	30/12/20
10	Mr.T.Muthu Krishnan AP(O.G)	Advanced welding process	04/01/21
11	Mr.S.Sivasankar AP(O.G)	Gas turbine performance	29/12/20
12	Mr.M. Vadivel AP(O.G)	Functionally graded materials	14/12/20
13	Mr.S.Pradeep AP(O.G)	Studies on reactivity controlled compression ignition engine	18/12/20

All the resource persons provided valuable information about their research work and current trends in mechanical field research.

Staff's Participation:

1. Mr.K.Vijayendiran, Asst Prof (Sr.G) (IIC-Innovation Ambassador) delivered lecture on “National Education Policy” (with focus Innovation and Entrepreneurship) on 30.12.2020 in Department of Management Studies.
2. Dr.K.Sivakumar, Associate Prof & HoD and Mr.S.Sivasankar, Asst Prof published paper “ Effect of rib arrangement on the flow pattern and heat transfer in internally ribbed rectangular divergent channels” in Elsevier: Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.11.548>
3. Mr.G.Rajesh, Asst Prof completed NPTEL Online Certification course on Product Design and Development during the session Sep_Oct 2020.
4. Dr.K.Sivakumar, Associate Prof & HoD has been a reviewer and chair for the AICTE Sponsored 3rd Virtual International Conference on Materials, Manufacturing and Mechanical Engineering for Sustainable Development (ICMSD2020) on 20.11.2020.
5. The following staff completed ATAL FDP (Online Mode) in various topics: Mr.R.Ramkumar – 3, Mr.K.Arumugam – 2, Mr.P.Ramu – 1, Mrs.N.Nithya – 2, Mr. M. Vadivel – 2, Mr.S.Sivalingam – 2