



SRM VALLIAMMAI ENGINEERING COLLEGE

(An Autonomous Institution)

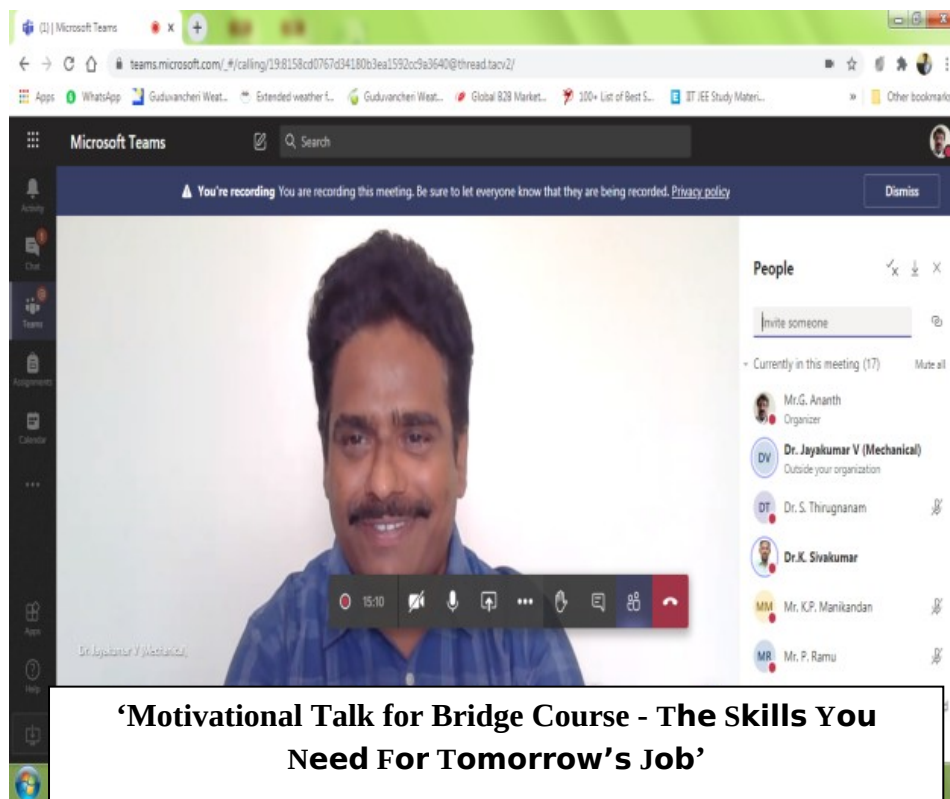
S.R.M NAGAR KATTANKULATHUR - 603 203

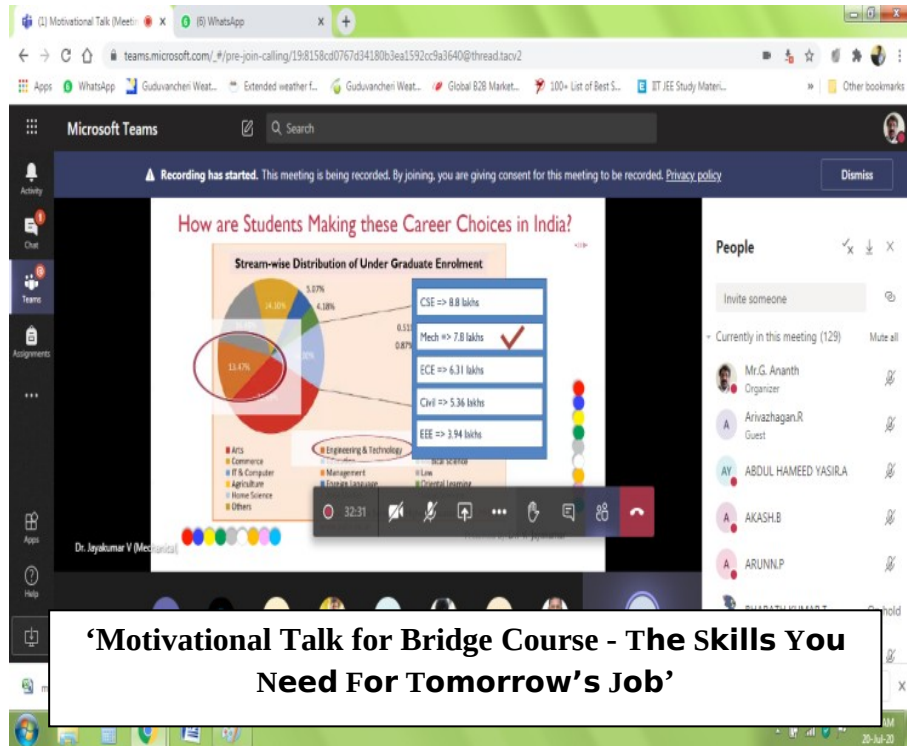
DEPARTMENT OF MECHANICAL ENGINEERING

NEWS LETTER July_Sep'2020



1. An **“Online science quiz programme”** for the 11th and 12th students was conducted on 17.7.2020 which is very much related to life science, fundamentals of physics and chemistry. More than 30 students from all over tamilnadu were participated.
2. An online guest lecture on **“Motivational Talk for Bridge Course - The Skills You Need For Tomorrow’s Job”** was conducted on 20.07.20 for our students. The chief guest Dr.V.Jayakumar, Associate Professor and Chairperson in the Department of Mechanical Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Chennai Campus discussed the following topics: Basic things a Mechanical Engineer to Concentrate, Importance of Communication Skills, Innovative Thinking, Improving Skills, Deep Learning, Employability Skills, Employment opportunities, Present scenario, Post Covid Scenario for our Students.





3. A Guest Lecture on **“Production Systems- Now Ongoing & Future”** was conducted through online mode on 19/09/2020. The resource person Mr. **Subramanya Abiram Kathiresan**, MES Engineer, Abbott Diabetes Care Ltd, Donegal Ireland, delivered the lecture on the following topics: Modern Manufacturing Methodology, Modern Quality Control, Industrial Automation, Six Sigma, Flexible Manufacturing System, Enterprise Resource Planning, Growth of Automations, Regressive Testing, Industry 4.0, Virtual Reality, Augmented Reality. A total of 49 members participated in the guest lecture.



4. A Guest Lecture on “**Aerospace Design**” was conducted through online mode on 26/09/2020. The resource person **Mr.Sriramkumar Sivasubramanian**, Design Engineer, ZIM Flugsitz GmbH, Schwerin, Germany , delivered the expert lecture on the following topics: History of flying, aeronautics, astronautics, avionics, basic forces in aircraft, kinematics of an aircraft, practical challenges, current research frontiers. A total of 87 members were participated in the guest lecture.

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Department of Mechanical Engineering
Guest Lecture on Aero space Design

Mr.SRIRAMKUMAR S, M.Sc.(PDM), M.Sc.(AT)
Design Engineer
ZIM Flugsitz GmbH, Schwerin, Germany

Guest Lecture on “Aerospace Design”

Meeting in "Genera"

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. [Privacy policy](#)

Basic forces

- Lift – Force making aircraft fly
- Weight – Gravity pulling aircraft down
- Thrust – Force moving aircraft forward

Flight Condition	Effect
Lift > Weight	Plane Rises
Weight > Lift	Plane Falls
Drag > Thrust	Plane Slows
Thrust > Drag	Plane Accelerates

Sriramkumar Sivasubramanian

Participants

Mr. P. Ramu
Shi
Sahaj (Guest)
BHARATH KRISHNAN
C. KILOTHINGA SEGAR
DINESH M
Dhaya S
Dr. M. Maragan
Dr. S. Thiruganem
Dr. C. Sivakumar
GOWTHAMRAJALS
HARSHARAJI

During Presentation in Guest Lecture “Aerospace Design”

Staff Participation:

1. Mr. T. Muthukrishnan, Assistant Professor(O.G), pursuing Ph.D submitted Confirmation of Provisional Registration on his research area "Experimental investigation on Magnetically Impelled Arc Butt Welding of Ferrite Stainless Steel tubes" on 10.9.20.
2. Dr. K. Sivakumar, Associate Professor & Head participated in World's largest one week Hands-On Faculty Development Program on "Artificial Intelligence using Python" organised by Brainvision Solutions India Pvt Ltd & National Youth Council of India held from 14.9.20 to 19.9.20.
3. Dr. K. Sivakumar, Associate Professor & Head participated in AICTE Training and Learning (ATAL) Academy Online FDP on Energy Engineering from 17.9.20 to 21.9.20 at Vellammal Engineering College.
4. Mr. R. Srinivasan, Assistant Professor(Sr.G) gave an expert lecture on National Level Webinar on Non Destructive Testing at SMK FOMRA Institute of Technology on 19.9.20.
5. Mr. K. Arumugam, Assistant Professor(Sr.G) received appreciation Certificate from NPTEL for translating the files of the course "Rapid Manufacturing" 112104265 to tamil language from IIT Kanpur.
6. Dr. K. Sivakumar, Associate Professor & Head published his article on "Experimental investigation on emissivity of 75Ni-25Cr alloy coated Aluminium surface for the purpose of solar applications in Materials Today Proceedings, <https://doi.org/10.1016/j.matpr.2020.06.500>.
7. Sudalai Suresh Pungaiyah and Chidhambara Kuttalam Kailasanathan, 2020, published paper on 'Thermal Analysis and Optimization of Nano coated Radiator Tubes using Computational Fluid Dynamics and Taguchi Method', MDPI Coatings 2020, 10, 804; DOI:10.3390/coatings10090804. ISSN: 2079-6412.
8. Suresh Pungaiyah S and Kailasanathan C, 2020, published paper on 'Design of a Nano Coated Heat Exchanger working with Organic Nanofluids using Hybrid Technique', Transactions of the Canadian Society for Mechanical Engineering, DOI:10.1139/tcsme-2020-0080. ISSN: 0315-8977.