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AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
IN ASSOCIATION WITH
SOCIETY OF AUTOMOTIVE ENGINEERS
COLLEGIATE CLUB

“SEMINAR ON SURFACE ENGINEERING FOR AUTOMOTIVE COMPONENTS”

Resource Person : Dr.R.Rajendran, MC& Vice-Chair, SAE Southern Section,
Professor/Automobile Engineering, SRM Institute of Science and Technology, Chennai.

Venue : Mech Seminar Hall , AVIT

Date & Time: 25/07/2019 - 10.30 AM

Seminar - Content:

- Introduction to Science, Engineering and Technology
- General Engineering
- Introduction to materials
- Materials in Automobile
- Surface Engineering Process

Guest Profile:

- With Mechanical Engineering Academic background and 25+ years of Experience in Teaching and he has adopted Observe and Discover methodology in his teaching.
- He has published several papers in journals and conferences (**SAE World Congress USA**, FISITA, Materials Education Symposium UK) including book chapters in his research area.
- He has been a reviewer for SAE Technical papers, journals like Surface and Coatings Technology and Surface Engineering, Journal of Nuclear Fusion Engineering.
- He has organized SAE **International Conference** on Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility (2017 & 2018).
- He has visited several countries like Singapore, Malaysia, Hong Kong, Japan, Germany, USA, UK, France, Dubai for study tour.
- As a Management Committee Member in the SAEINDIA Southern Section, he has served as **seeding point** for many SAE student and faculty activities like student convention, aSOP, FA Forum, KRT.

About the Seminar: The Department of Mechanical Engineering in association with Society of Automotive Engineers Collegiate Club has organized the seminar for our department students and nearly 65 students participated. The students gained knowledge about the goal of design, how to select the material, various materials used in automobile sectors and need of surface engineering and their process. We expect the growth in these surface engineering has become a necessary one in automobile components nowadays. The general feedback obtained from the students was that the seminar was very informative on the various aspects of the surface engineering for automotive components.

Seminar Photos: Welcome Address Given by Student Co-ordinator

Fazil Imam A L /III Year Mechanical



The event started with the welcome address rendered by Mr. Fazil Imam A L, a student of Third Year Mechanical.

Seminar Photos: Introduction of Chief Guest by Mr. J. Senthil(AP-II)/Mechanical



Mr. J.Senthil, AP(G-II) Mechanical has give the introduction about the chief guest and also tell about the experience & achievements made by the Guest in SAE Southern Section to the students. He has also tells about the various events conducted in SAE by our department in our college & also explained Research Lab Facilities in our department to the students.

Seminar Photos: “Seminar on Surface Engineering For Automotive Components” by Dr.Rajendran, MC& Vice-Chair, SAE Southern Section, Professor/Automobile Engineering, SRM Institute of Science and Technology, Chennai.



Dr. Rajendran, initially touched upon the introduction to science, engineering and technology and had a icebreaking session with the students by asking some generalized questions on general engineering, which made the students to involve themselves in the guest seminar. Dr. Rajendran touched upon the introduction to materials, history of materials and materials selection in automobile parts. Dr. Rajendran finally touched upon the need for surfaces and the surface engineering process.