

Sakthi Polytechnic college, Sakthi Nagar
Department of Metallurgy
Academic Year 2023-2024

Guest Lecture Report

Title of the guest lecture : **MATERIALS FOR ENGINEERING APPLICATIONS**

On 1st February 2024, Sakthi Polytechnic College's Department of Metallurgy hosted a guest lecture on "Materials for Engineering Applications." The lecture was delivered by Mr. P. Shanmugamoorthi, an esteemed alumnus of the Metallurgy department (1998-2001). The event took place at 10:00 AM in the Meeting Hall of Sakthi Polytechnic College, Sakthi Nagar.

Speaker Profile

Mr. P. Shanmugamoorthi, a distinguished alumnus of Sakthi Polytechnic College, has made significant contributions to the field of metallurgy. His extensive experience and expertise in materials engineering provided valuable insights to the students and faculty members present.

Lecture Highlights

- **Introduction to Engineering Materials:** Mr. Shanmugamoorthi began the lecture by discussing the various types of materials used in engineering applications, including metals, ceramics, polymers, and composites.
- **Properties and Applications:** He elaborated on the properties of these materials, such as strength, ductility, hardness, and thermal stability, and their relevance to different engineering applications.
- **Advancements in Material Science:** The lecture also covered recent advancements in material science, highlighting innovative materials and their potential impact on future engineering projects.
- **Case Studies:** Mr. Shanmugamoorthi shared several case studies from his professional experience, illustrating the practical applications of different materials in real-world scenarios.
- **Q&A Session:** The lecture concluded with an interactive Q&A session, where students and faculty members had the opportunity to ask questions and engage in discussions with the speaker.

Guest Lecture Event Coordinator : Mr. J. Yuvaraja

Program Agenda

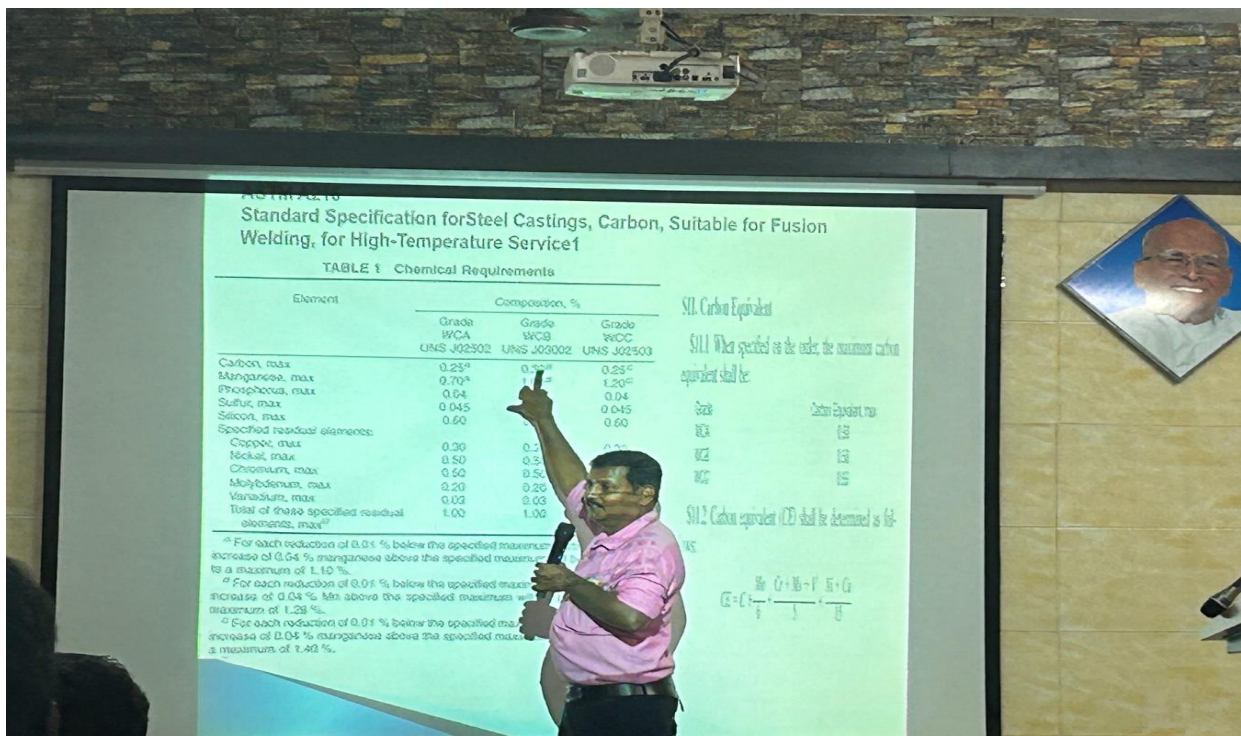
- **Welcome Address:** Mrs. A. Yogamalar Carunyam, B.E., HOD (I/C) / Metallurgy (SF)
- **Introduction to Chief Guest:** Mrs. G. Deepa, M.E., Lecturer / Metallurgy
- **Guest Lecture:** Mr. P. Shanmugamoorthi, B.E., Metallurgy Alumni (1998-2001)
- **Memento Presentation:** Mr. P. Govindarasu, B.E., Lecturer / Metallurgy
- **Vote of Thanks:** Lt. C. Vijayaraj, M.E., Lecturer / Metallurgy

Coordination and Support

The program was coordinated by Mr. J. Yuvaraja, whose efforts ensured the smooth execution of the event. His coordination was instrumental in organizing the lecture and facilitating the interaction between the speaker and the attendees.

Conclusion

The guest lecture by Mr. P. Shanmugamoorthi was a resounding success, providing attendees with a deeper understanding of materials for engineering applications. The insights and knowledge shared by the speaker were highly appreciated by all participants, making the event a memorable and enriching experience for the Department of Metallurgy at Sakthi Polytechnic College.





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