

Report on Materials Camp

For the very first time, ASM (I) Bengaluru Chapter successfully organised “**Materials Camp**” for BGS Pre-University College Students on August 3rd & 4th, 2018.

I) Day 1 of the Materials Camp – August 3rd, 2018

On August 3rd, the camp was organised at SJC Institute of Technology (SJCIT), Chikkaballapura. About 38 students and 2 faculty members from BGS PU College participated in the event.

Dr. R. Ranganath, Faculty, SJCIT, gave the Welcome Address. The following Office Bearers and Council Members from the ASM (I) Bengaluru Chapter attended the same :

1. Sri Rahul Masurekar, Vice Chairman
2. Ms. Jyothi Srirama, Secretary
3. Dr. J. R. Nataraj, Treasurer
4. Sri K. L. Srirama, Executive Council Member
5. Dr. B. Ashok, Executive Council Member
6. Dr. Manohar Hegde, Executive Council Member

Sri Rahul Masurekar gave a brief introduction about ASM (I) Bengaluru Chapter.

In the Forenoon Session, Dr. B. Ashok, Scientist-G, ADA, Bengaluru, delivered talks on the following topics :

- a) **Periodic Table – Material World**
- b) **Science of Metals**

Dr. P. Raghothama Rao, Ex-Scientist G, DRDO and Professor, Mechanical Engg., SJCIT, delivered a talk on the topic – “Overview of Materials and Metallurgy”.

Post-Lunch Session, “**Testing of Materials with Laboratory Exposure**” was conducted by Dr. P. Raghothama Rao and Dr. R. Ranganatha, Professor, Mechanical Engg. Department, SJCIT and “**New-Gen Materials**” by Dr. B. Ashok.

II) Day 2 of the Materials Camp – August 4th, 2018

On August 4th, 2018 - Industrial visits were arranged for the students participating in the Materials Camp in order to give them a first-hand view of manufacturing processes related to materials.

1) Visit to Larsen & Toubro

Students were taken to M/s.Larsen& Toubro located at Doddaballapur Industrial Estate, where they were received by Mr.Shankara Narayanan, Head of Manufacturing. Thereafter, they were taken through manufacturing lines progressively showing Fabrication (aided by robotics), Machining, Assembly and finally Testing of road making equipment. This was followed by an audio-visual presentation of the company and its activities.

2) Visit to Saravana Industrial Castings

After concluding with Larsen & Toubro above, the students were taken to a Steel Foundry. At the Foundry, they were received by the Managing Director of the Firm. Thereafter, Mr. Naik made a PPT presentation on the firm and its operation outlining the details about the foundry process. Thereafter, the students were taken to the shop-floor where they witnessed Melting, Pouring, Moulding and Casting with molten metal. The visit concluded with lunch, hosted by the Managing Director of the Saravana Industrial Castings.

Photographs :

Please click on the following link to view the Photos of Materials Camp :

<https://photos.app.goo.gl/gEjN9N1KCbNVRmHh9>