

## Report on MNM-2015-BHU (December 8-10, 2015)

A Workshop entitled “Metallurgy for Non-Metallurgists” was held in the conference hall of Department of Metallurgical Engineering, IIT(BHU), Varanasi. It started with offering floral tribute to Pt. Madan Mohan Malaviya ji in the forenoon of December 08, 2015. This was a humble tribute to the founder in the centenary year of Banaras Hindu University. The inaugural talk was given by Dr. N Eswara Prasad, Director, DMSRDE, Kanpur and was Chaired by Professor S.Lele. The workshop had 40 participants coming from RDSO, Lucknow; DLW, Varanasi; DMSRDE, Kanpur; Jadavpur University, Kolkata; Mecon Ind Ltd; Mats University, Raipur; Banaras Hindu University and IIT-BHU, Varanasi. Eminent speakers from the Department and outside the Department delivered 13 lectures on specified topics like phase diagrams and phase transformations, structural and microstructural characterisation, heat treatment, mechanical behaviour, mechanical deformation, fracture mechanics, failure analysis, component integrity, metal joining, life assessment of materials under specific environments, corrosive environment, new and smart materials. All the case studies were related to steels used in various industries. A demonstration Session was held to show various aspects of optical microscopy, scanning electron microscopy, transmission electron microscopy, X-ray diffraction and mechanical testing. This Workshop has witnessed intense interactions between the resource persons and participants both during and after the lectures. The Speakers were kind enough to share soft copy of their lectures that were provided to all the participants. The MNM-2015 has made an impact on the minds of over 40 participants of different backgrounds like Physics, Materials Science, Biomedical Engineering, Civil Engineering, Mechanical Engineering, Chemical Engineering and also Metallurgical Engineering. Requests have been received to conduct similar Workshops on specific themes in future.

The Concluding session was conducted by the Chairman of MNM-2015 in the afternoon of December 10, 2015. Listening to the participants during feedback Session was a rewarding experience for the organizers and resource persons. Participants were of diverse background. Those from industries were interested in finding solutions to the problems they faced in their respective industries and were looking for some clues from the deliberations at the Workshop. Some of them wanted to have more elementary exposure of the subject whereas others wanted more focussed and detailed information. At the end, the Dean (Academic Affairs), IIT (BHU), Varanasi gave away certificate of participation and pen-drive containing lectures by resource persons to all the participants. The vote of thanks was proposed by the convener.

Participants with their certificates after the concluding session on 10-12-2015



Participants and resource persons in MNM-2015 workshop after inauguration on 08-12-2015

