

Program Details of DHARA on Bhartiya Dhatu Shastra

Session Details		Possible speakers	Moderator / Chairperson
Inaugural Talk (March 20:: 10:30-11:15)		Prof. Indranil Manna	Prof. Sandeep Chaudhary
Panel Discussion (March 20:: 11:30-12:45)	Non-ferrous metallurgy – Zinc, Bronze, Brass, and other advanced materials	Prof. V. Ramanathan, Sri C. Chandru, Prof. A. Murugaiyan, Dr. Bhanu Pant	Prof. Eswara Prasad Korimilli
Panel Discussion (March 20:: 16:15-17:45)	Metallurgy of Iron and steel: Key learnings from ancestors and path forward.	Prof. O. M. Mohanty, Prof. N. B. Ballal, Prof. T. Jayakumar, Cdr S. K. Mishra, Prof. Vinod Kumar	Prof. Santosh Hosmani
Panel Discussion (March 21:: 10:00-11:00)	Metallurgy from pre-historic times –References in ancient Sanskrit texts, Findings of ASI	Prof. Ramakant Pandey; Prof. Udayanath Jha, Prof. Arun Surendran Dr. Manoj Kumar Kurmi	Prof. K. Venkatraman
Panel Discussion (March 21:: 14:00-15:15)	Metallurgy in medicine, space, energy, and allied areas – Key learnings from ancestors and path forward.	Prof. G. V. S. Sastry, Dr. Anoop Shukla, Dr. S. Mahesh	Prof. Vinod Kumar
Vimarsh: IIT Indore Public Lecture (March 20:: 14:00-14:40)	Science–Engineering–Technology Synergy Needed for Technological Self Reliance	Prof. Indranil Manna	Prof. Raghunath Sahoo
Keynote Talk (March 20:: 15:10-16:00)	Insights into modern extractive metallurgists from the traditional iron making practices.	Prof. N. B. Ballal	Prof. Santosh Hosmani
Keynote Talk (March 21:: 11:30-12:20)	On the Ferrous and Nonferrous metals from Ancient Metallurgy.	Prof. Omkar Nath Mohanty	Prof. Vinod Kumar

Jan Bhagidari Program

Objectives:

- To bring awareness about ancient metallurgy and their applications
- To promote Metallurgy and Materials among young students

(a) Technical demonstrations

- Aranmula mirror making
- Microstructure demonstration to school and college students
- Tools and weapons used by ancient Indian warriors
- Video demonstration of Ashtadhatu making

(b) Technical Quiz (To promote Metallurgy among young students)

- a. Three open house for engineering students
- b. Online quiz for class 9th, 10th & 11th students

(c) Cultural events

- Kalaripayattu
- Gangaur dance
- कबीर संध्या by Sri Kaluram Bamania