



**Workshops on "STEEL IN APPLICATIONS" (Lectures+Plant visit)**  
**(Mr 28-29-30 Mar, 2016)**  
**Jointly conceived & organised by NSEC& INSDAG**



Venue: NetajiSubhas Engineering College, Garia : Course Coordinator: Dr JayantaSaha 9831687911

	Topic Description	Time(min)	Slot & Faculty
<b>Day I (28Mar 2016)</b>			
	<b>Inauguration</b>	<b>60</b>	<b>10:30 -11:30</b>
	Welcoming Dignitaries		10:30-10:40
	Welcome address by Principal , NSEC		10:40-10:45
	Releasing Trg Manualby Director, NSEC		10:45-10:50
	Address by DG ,INSDAG		10:50-11:00
	About the Programme by Coordinator		11:00-11:10
	Vote of Thanks byHOD, CIT		11:10-11:15
	Break for Tea		11:15-11:30
1	Properties & Application of Steel ( Types , HT, Codes, NDT, Products)Assessment & Quiz	75	11:30 -12:45 DrJayantaSaha , INSDAG
2	Corrosion Protections of steels by Painting (Specification, Preparation, Inspection ,Pipeline coating ) Assessment & Quiz	75	12:45: - 14:00 DrBuddhadebDuari, CEO , LalitaInratech P Ltd
	<b>Lunch</b>	60	14:00-15:00
3	Major Welding / Fabrication Processes ( Inspection, NDT , Industrial practices with video )Assessment & Quiz	90	15:00- 16:30 DrAsis Banerjee , M. E (JU)
4	Protection of Steel by metallic coating & from Fire ( Reading codes, Specify protections)	60	16:30 -17:30 Dr JayantaSaha , INSDAG
<b>Day II (29 Mar 2016)</b>			
5	Iron & Steel Making (Conv& Alternate) ( Plant layout, casting ) , Quiz	75	10:30 -11:45 MrMridulSardar , Ex GM (SAIL ASP, Durgapur)
	Tea Break	15	11:45 - 12:00
6	Rolling of structural, Defects , Forging types, Defects & Applications , NDT , Inspection Assessment & Quiz	90	12:00 - 13:30 MrMridulSardar , Ex GM (SAIL ASP, Durgapur)
	<b>Lunch</b>	60	13:30 -14:30
7	Casting Processes with NDT ref to Industrial Practices (Investment, Pressure Die& general casting routes)	90	14:30 - 16:00 Dr GoutamSutradhar , ME .JU
8	Understanding on Start Up in Engineering & prospects of 3D Printing	60	16:00 -17:00 MrAmitChowdhury,Srijan Creation
9	<b>Feed Back &amp;name list</b> for certificate	30	17:00 -17:15 Prof LidiyaPriyadarsini K
<b>Day III (30 Mar 2016) Visit to M/S Nirmal Wires Ltd, Prateek Wires Madhyamgram&amp;Lalita Infra</b> At 11:00 am , All participating students along with 2-3 faculties of CIT			



# WORKSHOPS ON “STEEL IN APPLICATIONS”

*Organised by*

**Mechanical Engineering Department**

*Collaboration with*

**Institute of Steel Development and Growth (INSDAG)**

A three day training program titled “**TRAINING ON STEEL IN APPLICATIONS**” was conducted by the Department of Mechanical Engineering of Netaji Subhash Engineering College from March 28<sup>th</sup> to March 30<sup>th</sup> 2016, in collaboration with **Institute of Steel Development and Growth (INSDAG)**.

*INSDAG strives to expand the use of steel in the residential, commercial, infrastructure, industrial and rural segments of the construction industry. However, shortly it will also cover automotive, power, rail and road transportation and irrigation segments. In doing so, INSDAG organizes a series of seminars and workshops which act as a platform for all connected to the steel value chain - architects, consultants, structural engineers, steel producers, contractors, fabricators, hardware suppliers, government agencies, specifies etc. These seminars and workshops are not only the forum for addressing the best practices in steel usage but also focus on identifying the constraints in the usage of steel and removing the impediments.*

The training constituted of Lecture sessions followed with Assessment & Quiz, for the first two days and Industrial Visit on the third day. The domain of the lectures delivered by various personal with high core Industrial experience included Properties & Application of Steel, Corrosion Protections of steels by Painting, Major Welding / Fabrication Processes, Protection of Steel by metallic coating & Fire, Iron & Steel Making etc. The Industries visited as a part of the training were **M/S Nirmal Wires Ltd, Prateek Wires Madhyamgram & Lalita Infra Pvt Ltd.**