

Short Term Course on Manufacturing Process Parameters Control and Optimization in regard to Steel Industry

23 – 27 July , 2019



About NITR: NIT Rourkela is one of the premier national level institutions for technical education in the country and is funded by the Government of India.

The city of Rourkela is a bustling industrial town, cosmopolitan by nature and is well connected to all parts of the country by road and rail. It is en-route Howrah-Mumbai main line of South-Eastern Railway. Nesting amidst greenery on all sides, NIT campus is approximately 7km from Rourkela railway station. The nearest airports are Ranchi, Kolkata and Bhubaneswar, which are well connected by trains.

About Vizag Steel Plant.:

Rashtriya Ispat Nigam Limited – the corporate entity of Vishakhapatnam steel plant is a navaratna PSE under the ministry of steel. Vizag steel is first Shore based Integrated steel plant in the country and is known for its Quality products and customer delight. Vizag steel caters to the requirements of the construction, manufacturing automobile, general engineering and fabrication sectors.



In the modern era, advanced manufacturing systems has accentuated in industrial applications. So the present course intends to equip participants with essential skills necessary to develop advanced manufacturing systems for practical applications. This is a project based course equipped with state of art and laboratory facilities.

Course Contents:

- Steel making process and necessary manufacturing processes for steel making.
- Bulk deformation manufacturing processes – rolling, forging and drawing operations
- Identification of process parameters for the steel making manufacturing processes.
- Development of prediction tools for the identified process parameters through Neural networks and, Fuzzy Logic.
- Optimization of process parameter through evolutionary algorithms.
- Computer controlled manufacturing for quality production
- RSP-SAIL industrial visit.

Sponsored by

RASHTRIYA ISPAT NIGAM LIMITED,
Visakhapatnam Steel Plant
Andhra Pradesh



Important Dates:

Program Dates: 23-07-2019 to 27-07-2019

Coordinators

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