

PRESS RELEASE

IIT Kharagpur collaborates with Jindal Stainless to introduce an elective course on stainless steel and advanced ferrous alloys

New elective course to commence from July this year as part of PG & UG curriculum

New Delhi/Kolkata, April 25, 2019: India's premier engineering institute, IIT Kharagpur and the largest stainless steel manufacturer in India, Jindal Stainless have tied-up to introduce a 3-credit course on stainless steel and advanced ferrous alloys as a part of the former's undergraduate and post-graduate curriculum for the Department of Metallurgical and Materials Engineering.

The course shall comprise the study of stainless steel and the uniqueness of its various grades, behavioural and forming characteristics, determination of life-cycle cost, and an understanding of the entire gamut of applications; along with the study of advanced ferrous alloys.

The course shall commence as an elective from the autumn semester (July-November 2019) of the institute, with an initial batch of around 50-60 students.

Head, Department of Metallurgical and Materials Engineering and School of Nano-Science and Technology, IIT Kharagpur, Dr Rahul Mitra said, *"We are pleased to announce the approval of the senate at IIT Kharagpur for introducing this elective course. The curriculum shall focus on detailed study of different aspects of stainless steel and ferrous alloys. We thank Jindal Stainless for their efforts and look forward to a healthy industry-academia relationship."*

Managing Director, Jindal Stainless, Mr Abhyuday Jindal said, *"Educating the young and brilliant minds of our society about the wonders of stainless steel is the first step towards nurturing a generation of future-proof engineers. As pioneers of stainless steel in India, we are propelling this transformation through our country's premier institutes. With IIT Kharagpur's support, this course will instil a sense of innovation in the students and motivate them to embrace sustainable solutions in the future. Stainless steel, as an environmentally-stable green metal, will be the perfect tool for this initiative."*

Director, Jindal Stainless, Mr S Bhattacharya added, *"As a green metal, stainless steel has the potential to re-imagine sustainability. In India, it is still at the nascent stage, with a per capita consumption of ~2 kg, as compared to the global average of ~6 kg. This void provides immense opportunities to tap stainless steel efficiently in architecture-building-construction, automobile-railway-transport, and process industries, among other industrial applications. I am certain that with IIT Kharagpur's expertise, we will be able to drive awareness among the future Indian engineers."*



The course curriculum will also give real-time exposure of stainless steel fabrication to students through visits to the manufacturing units of Jindal Stainless in Hisar and Pathredi in Haryana. According to the new curriculum, the duration of this 3-credit elective course will be 4 months, with 3 lectures per week. Given that stainless steel is one of the fastest growing metals globally, this course shall open new professional avenues for the graduating students.

About IIT Kharagpur

IIT Kharagpur is an institute of national importance, established under a Parliamentary Act in May 1950, operating directly under Ministry of Human Resource Development, Govt. of India. It has 19 departments, 17 schools, and 12 centres of excellence with nearly 12,000 students, 700+ faculty, and 2,000+ employees. The institute draws the best expertise in science, technology, management, and law to impart overall training to students in visualizing, synthesizing, and executing projects. It provides broad-based education where students are groomed to develop their professional skills and incubate a spirit of entrepreneurship and innovation. The institute undertakes sponsored research and provides consultancy services in industrial, educational, and society-relevant areas, including those of national interest.

About Jindal Stainless

Founded by Shri OP Jindal in 1970, Jindal Stainless is the largest stainless steel manufacturing company in India and ranks amongst the top 10 stainless steel companies in the world. Jindal Stainless has an annual melt capacity of 1.6 MTPA with an annual turnover of US \$ 3.1 billion (as of March'18). The company has two stainless steel manufacturing complexes in India in the state of Haryana and Odisha, and an overseas unit in Indonesia. The Indonesian unit serves in markets of South-East Asia and nearby regions. The integrated operations, from mining to manufacturing of finished products, have given Jindal Stainless the edge of cost competitiveness and operational efficiency, making it one of the best stainless steel producers in the world. The company has a country-wide network of 14 sales offices in India and over 11 global offices across the world. It's not only the magnitude of the company's operations that determines its brand credibility and name, but it remains inspired by a vision for innovation and enriching lives. The company's growth has been backed by excellence of its people, value-driven business operations, customer centricity, adoption of some of the best safety practices in the stainless steel industry, and a commitment for social responsibility.