



An Offline Short Term Course on Surface Engineering

Tue, 08 July – Sat, 12 July; 9:30 am to 6:00 pm

Venue: [IIT Kharagpur Research Park](#), (5 days, 30 hrs, 2 hrs/lecture)

Eligibility *Academics/Industry in the area of surface engineering and lubrication in manufacturing processes*

Syllabus Surface Engineered Materials Technology (including one Assessment)

Day 1 Introduction to Surface Science, Surface Coating processes, CVD process

Day 2 Arc Deposition, Sputtering, Thermal Spray processes, Wear and Hardness Measurement

Day 3 Surface Roughness Parameters and their Measurements, Micro-manufacturing

Day 4 Surface finishing techniques, Contact of Surfaces, Lubricated Contact, EHL

Day 5 Visit to laboratories at IIT Kharagpur Campus

Instructors *N Das Chakladar, Ajay M Sidpara and Venkata Naga Vamsi Munagala*

Registration Kindly fill <https://forms.gle/CohQXYaC4a7uoYQk9>

Coordinator Coordinator: Nilanjan Das Chakladar, Assistant Professor
<https://sites.google.com/view/nilanjan-das-chakladar/outreach> (*Keep an eye for updates!*)

Joint Coordinators: Ajay M Sidpara, Associate Professor

<https://sites.google.com/site/sidajay80/>

Joint Coordinators: V N Vamsi Munagala, Assistant Professor

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