

Tentative Schedule for the “three day short term course on **SYNTHESIS AND CHARACTERIZATION OF NANOMATERIALS (With Case Studies): SCNM-2010** during 25<sup>th</sup> – 27<sup>th</sup> February 2010”:

S.No.	Date	Time	Event	Topic	Speaker
1.	25-2-2010	9.30-11.00	Registration & Inauguration	Inaugural Speech	The Chief Guest and Guest of Honor
2.		11.00-11.30	High Tea	--	--
3.		11.30-13.00	Lecture-1	Introduction to NanoTechnology, NanoMaterials, <b>Theme talk</b>	Dr.P.K.Jain
4.		13.00-14.00	Lunch	--	--
5.		14.00-15.30	Lecture-2	Synthesis & Characterization of carbon nanotubes	Dr.P.K.Jain
6.		15.30-15.45	Tea break	--	--
7.		15.45-17.00	Case Study-1	Self Lubricated Cutting tools and Nanocoatings	Dr.D.Nageswara Rao
8.	26-2-2010	9.30-10.45	Case Study-2	Synthesis and Characterisation of Electroless Ni-P Nanocoatings	Dr.Elansezian
9.		10.45-11.00	Tea Break	--	--
10.		11.15-12.30	Case Study-3	Nanofluids as effective coolants- A case study	Dr.R.R.Srikant
11.		12.30-13.30	Lunch	--	--
12.		13.30-15.00	Lecture-3	The Art & Science of X-Ray Diffraction (XRD) Technique as a tool for material Characterization	Dr.G.V.N.Rao
13.		15.00-15.15	Tea Break	--	--
14.		15.15-16.45	Lecture-4	An X-Ray diffractionist view of Nanomaterials	Dr.G.V.N.Rao
15.	27-2-2010	9.30-10.45	Lecture-5	To be updated	Dr.R.K.Mittal/ Dr.P.Mohanan-NIT suratkal Professor
16.		10.45-11.00	Tea Break	--	--
17.		11.15-12.30	Case study-4	Nanomaterials for Energy Storage	Sri. R.C.Reddy
18.		12.30-13.30	Lunch	--	--
19.		13.30-15.00	Case Study-5	Wear Analysis of nanocomposites	Dr.R.N.Rao
20.		15:00-16:00	Lecture-6	Growing Nanostructures using FIB (Focused Ion Beams)	Dr J. Ram Kumar / Sri. D. Suneel (PhD)
21.		16.00-16.15	Tea Break	--	--
22.		16.15-17.00	Valedictory	Certificate Distribution / Participant Views	Participants