

Radiation and Applications (A confluence of Material Science and Accelerators)

**Tentative Schedule (Day
wise):17-22nd Feb, 2019**

Day	Teaching Slot 9:30 to 11:00	Tea Break 15 Min. 11:15	Teaching Slot 11:15- 12:45	Lunch 12:45PM- 2PM	Teaching Slot 2:00-3:30	Tea Break 3:30-3:45	Teaching Slot 3:45-5:15
Day 1 17 th Feb, 2019 (Sunday)	Electro Dynamics-I		Electro Dynamics-II		Accelerator Basics		Accelerator Design
Day 2	Diagnostics		Beam Dynamics		Lab session		Lab session
Day 3	Radiation Physics		Storage rings		Lab session		Lab session
Day 4	Radiation from Electron Bunches		Radioactive isotope production		THZ Radiation		Inverse Compton scattering
Day 5	Electron Microscopy		Generation of short pulse electron beams		Lab Session		Lab session
Day 6	Proton Therapy		Imaging and applications		Radiation in Material Science		Review of Indian Accelerators

- Please make workshop teaching slots of 1.5hrs each.