

**Schedule for “Field emission scanning electron microscope”**

**(FESEM, EDAX) course**

<b>Session</b>	<b>Day – 1</b>	<b>Day – 2</b>	<b>Day – 3</b>
<b>Morning</b>	<p><i>Introduction and theory</i></p> <p>Principle of Electron microscopy Microscope layout Role of each component Image formation</p> <p>Role of imaging parameters Other modes and different detectors</p>	<p><i>Practical Session</i></p> <p>Backscattered electron imaging</p> <p>EDS Imaging and Mapping</p>	<p><i>Evaluation and Discussion</i></p>
<b>Afternoon</b>	<p><i>Practical session</i></p> <p>Imaging and Acquisition</p> <p>At various acceleration voltages</p> <p>Various Magnifications</p>	<p><i>Practical session</i></p> <p>STEM Imaging</p> <p>Low Vacuum Imaging</p>	

**Instructors:**

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Mr. Nikhil Rao

Ms. Harshitha

**Detail about the instrument is provided on the following link:**

<http://crf.cens.res.in/facilities/GH-FESEM/>

