

Schedule for “Battery Fabrication and Testing” course

| Session | Day – 1 | Day – 2 | Day - 3 |
|------------------|---|--|--|
| Morning | <p><i>Introduction and theory</i></p> <p>Electrochemistry basics</p> <p>Energy storage devices</p> <p>Secondary rechargeable batteries</p> <p>Li-ion battery components- anode, cathode, electrolyte etc</p> <p>Basic metrics for battery evaluation</p> | <p><i>Battery fabrication</i></p> <p>Cutting and pressing of prepared electrodes</p> <p>Glove box setup (in brief)</p> <p>Coin cell fabrication in glove box (demo)</p> | <p><i>Evaluation and Discussion</i></p> |
| Afternoon | <p><i>Electrode preparation</i></p> <p>Slurry preparation</p> <p>Electrode film coating (thin film applicator)</p> | <p><i>Battery Testing</i></p> <p>Instrument setup</p> <p>Setting charge-discharge programs</p> <p>Discussion of some examples- understanding various parameters for evaluation of battery performance</p> | |

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Detail about the instrument is provided on following link:

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

