Advance Course on “GEOWEB SERVICES-TECHNOLOGY & APPLICATIONS”

11th February 2013 –15th March 2013

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Date &amp; Time (hrs)</th>
<th>Days</th>
<th>Lecture Description</th>
<th>Lecture/Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11-02-2013</td>
<td>Monday</td>
<td>Introduction to Geospatial technology</td>
<td>L</td>
</tr>
<tr>
<td>2</td>
<td>12-02-2013</td>
<td>Tuesday</td>
<td>Internet technology- Overview &amp; architecture</td>
<td>L</td>
</tr>
<tr>
<td>3</td>
<td>14-02-2013</td>
<td>Thursday</td>
<td>Web applications for geo-spatial data disseminations and processing - Geoweb 2.0 and AJAX</td>
<td>L</td>
</tr>
<tr>
<td>4</td>
<td>15-02-2013</td>
<td>Friday</td>
<td>Introduction to Web technology for GIS- Mapserver and Geoserver</td>
<td>L</td>
</tr>
<tr>
<td>5</td>
<td>18-02-2013</td>
<td>Monday</td>
<td>Introduction to Web technology for GIS- ArcGIS server</td>
<td>L/P</td>
</tr>
<tr>
<td>6</td>
<td>19-02-2013</td>
<td>Tuesday</td>
<td>Spatial Database Organization and Management- PostGIS</td>
<td>L</td>
</tr>
<tr>
<td>7</td>
<td>21-02-2013</td>
<td>Thursday</td>
<td>Spatial Database Organization and Management- PostGIS</td>
<td>P</td>
</tr>
<tr>
<td>8</td>
<td>22-02-2013</td>
<td>Friday</td>
<td>Spatial data interoperability and OGC Web services</td>
<td>L</td>
</tr>
<tr>
<td>9</td>
<td>25-02-2013</td>
<td>Monday</td>
<td>Geoserver and Mapserver installations and configuration</td>
<td>P</td>
</tr>
<tr>
<td>10</td>
<td>26-02-2013</td>
<td>Tuesday</td>
<td>Introduction to OpenLayer API and GeoEXT</td>
<td>L</td>
</tr>
<tr>
<td>11</td>
<td>28-02-2013</td>
<td>Thursday</td>
<td>Development and customization of GeoWeb Application</td>
<td>L</td>
</tr>
<tr>
<td>12</td>
<td>01-03-2013</td>
<td>Friday</td>
<td>Development and customization of GeoWeb Application</td>
<td>P</td>
</tr>
<tr>
<td>13</td>
<td>04-03-2013</td>
<td>Monday</td>
<td>ISRO Geoweb Services- Case studies</td>
<td>L</td>
</tr>
<tr>
<td>14</td>
<td>05-03-2013</td>
<td>Tuesday</td>
<td>ISRO Bhuvan Geoportal: Products and Services</td>
<td>L</td>
</tr>
<tr>
<td>15</td>
<td>07-03-2013</td>
<td>Thursday</td>
<td>Utilization of Bhuvan data and information services-Applications in Urban/rural development</td>
<td>P</td>
</tr>
<tr>
<td>16</td>
<td>08-03-2013</td>
<td>Friday</td>
<td>Geoweb application development using Bhuvan data services and API</td>
<td>P</td>
</tr>
<tr>
<td>17</td>
<td>11-03-2013</td>
<td>Monday</td>
<td>Open data and Map services: Spatial mashup solutions and crowd sourcing</td>
<td>L/P</td>
</tr>
<tr>
<td>18</td>
<td>12-03-2013</td>
<td>Tuesday</td>
<td>Applications of Distributed GIS- SDI and applications</td>
<td>L</td>
</tr>
<tr>
<td>19</td>
<td>14-03-2013</td>
<td>Thursday</td>
<td>Metadata standards and catalogue services-Geonetwork and demonstration on Indian Bioresource Information Network (IBIN).</td>
<td>L/P</td>
</tr>
<tr>
<td>20</td>
<td>15-03-2013</td>
<td>Friday</td>
<td>Open source geo-spatial technology for web GIS Development</td>
<td>L</td>
</tr>
<tr>
<td></td>
<td>22-03-2013</td>
<td>Friday</td>
<td>Examination</td>
<td></td>
</tr>
</tbody>
</table>
L=Lecture, P=Practical