| Lesson plan (for Even-semester as per revised curriculum and study scheme) |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Name of <br> Faculty | Sandeep Goyal |  |  |
| Discipline | Civil Engineering |  |  |
| Semester | 4 ${ }^{\text {th }}$ (Even- semester) |  |  |


| 9th | 1 | GPS, DGPS and GIS applications, Planimeter (Digital) ,Introducti Concept and uses of TS, Uses of function keys, various parts of TS ,Accessories used in TS survey | 9 | Measurement of distance, horizontal angle and vertical angle. <br> ,To plot an area with the help of Total Station |
| :---: | :---: | :---: | :---: | :---: |
| 10th |  | Applications of TS in various engineering area. , Temporary adjustments of TS <br> Measurement of horizontal angle, vertical angle distance and coordinates using Total station, Traversing, profile survey and contouring with TS | 10 | Layout of any building, school, college, factory etc. with total station showing topographic map |
| 11th | 2 | Errors in TS <br> Concept of DGPS, various parts, applications and software used for DGPS ,Comparison between DGPS and TS | 11 | Computation of earth work and reservoir capacity with DGPS |
| 12th | 2 | Temporary adjustments of a DGPS REVISION | 12 | Layout of drain, canal, road with DGPS. |
| 13th | 1 | How does DGPS work How does DGPS work | 13 | Demarcation of roads, plots, commercial spaces and agricultural land etc. with DGPS |
| 14th | 1 | Errors in DGPS <br> TEST | 14 | Demarcation of roads, plots, commercial spaces and agricultural land etc. with DGPS |
| 15th |  | $\begin{aligned} & \text { REVISION } \\ & \text { REVISION } \end{aligned}$ | 15 | File Checking |

