

TEACHING PLAN FOR THEORY

Subject Teacher: Mr. Ganesh O. Lonagre

Subject: TQM and MIS in Civil Engineering Elective II Class: B.E.(A) Branch: Civil Year 2017-2018

Lecture No	Scheduled Date	Topics to be covered on the scheduled date
UNIT 1		
1	13-6-2017	Quality – Various definitions and interpretation.
2	14-6-2017	Importance of quality on a project in the context of global challenges.
3	16-6-2017	Factors affecting quality of construction
4	21-6-2017	reasons for poor quality
5	23-6-2017	Measures to overcome.
UNIT II		
6	27-6-2017	Introduction to Management Information systems (MIS) Overview, Definition.
7	30-6-2017	MIS and decision support systems
8	4-7-2017	Information resources
9	5-7-2017	Management subsystems of MIS.

UNIT III		
10	7-7-2017	TQM – Necessity, advantages.
11	11-7-2017	Six sigma as a tool in TQM.
12	14-7-2017	Defects & it's classification in construction
13	18-7-2017	Measures to prevent and rectify defects
UNIT IV		
14	19-7-2017	Difference between, quality control, quality assurance
15	21-7-2017	Total quality control and total quality management (TQM).
16	25-7-2017	Process based approach for achieving TQM, Study of ISO 9001 principles
17	28-7-2017	Quality manual – Importance, contents, documentation
18	1-8-17	Importance of check-lists in achieving quality.
19	4-8-2017	Typical checklist for concreting activity
20	8-8-2017	Formwork activity, steel reinforcement activity.
UNIT V		
21	9-8-2017	Management information system
22	11-8-2017	Structure based on management activity whether for
23	15-8-2017	Management control or strategic planning.

24	18-8-2017	Supply chain management as a tool in TQM,
25	22-8-2017	Benchmarking in TQM, Kaizen in TQM
26	23-8-2017	Categories of cost of Quality.
Unit VI		
27	25-9-2017	Development of an MIS for a construction
29	30-9-2017	organization associated with building works
30	1-9-2017	study and use of various modules of ERP software for construction.
31	5-9-2017	Introduction to smart phone technology
32	6-9-2017	incorporating GIS, GPS,
33	8-9-2017	Android subsystems for documentation and monitoring of construction projects.