

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. Civil (Town and Country Planning) (Branch Code - 048)

Year – I (Semester – II) (W.E.F. January 2013)

1. MAJOR ELECTIVE – III

3) PROJECT PLANNING AND MANAGEMENT (CODE: 1724808)

SR. NO.	COURSE CONTENT
1	<u>Project planning</u> Introduction to Projects; Nature of planning projects; Project Life Cycle; Identification of projects
2	<u>Project Formulation and Appraisal</u> Relationship between projects and planning issues including sectoral policy at: Local, State and National levels Project appraisal: Market analysis – Macro environment survey, survey methods, market characterization, demand forecasting; Technical Analysis – Magnitude, processes, materials, equipment, factors of production availability, implementation schedule; suitability of the plans, layout and design, location of the project; location analysis; supporting infrastructure requirements- Capital Budgeting – Estimation of costing of components; developing over project cost; Social cost benefit analysis – UNIDO, Merles, ZOPP/GOPP, etc
3	<u>Project Management and Implementation, and Project Evaluation and Monitoring</u> Project characteristics - pitfalls in management of a project; Techniques of management; Planning milestones - responsibility charts and principle responsibility, principles of activity planning; Project Implementation – methods, hurdles, facilitative factors; Project culture: line management, steering committee, role of project manager; Project Control: cost and time, quality - ISI standards and its application to Indian context; Introduction to Project Management Software (Ms Projects) and its usage. Types of evaluation - concurrent, ex-ante and ex-post. Methods of evaluation, techniques of evaluation, end results, Presentation of evaluation findings, Techniques of Monitoring of Development Works.
4	<u>Regulatory Frameworks Governing Projects</u> National Rehabilitation and Resettlement Policy (2007) - Social Impact mitigation; National Environmental Policy (2006) – Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP)

All units have equal weight-age.

Term works shall be inclusive of subject topics. Each student shall prepare and submit assignments.

REFERENCES:

1. R. Burke, Project Management: Planning and Control Techniques, Fourth Edition, Halsted/Wiley, 2004/2009
2. N. D. Vohra, Quantitative techniques in management ,TATA Mc GRAW Hill
3. Prof. Abdul Matheen, Comprehensive Project Management, Laxmi Publications (P) Ltd, New Delhi
4. J. C. Pant, Project Management CPM, PERT GERT AND LINEAR PROGRAMMING, Jain publications, New Delhi
5. S. K. Bhattacharjee, Fundamentals of PERT/ CPM and Project Management, Khanna Publishers, New Delhi