

Module Title and Purpose	Module Title, Code PRODUCTION TECHNOLOGY MATERIALS 30-TPM-809 Elective professional
	Aims/Goals of the Module To equip students with theoretical and practical knowledge to analyze hydrothermal of a construction project. To enable the student to analyze the environmental impact of the building. To enable the student to analyze HVAC systems.
Module Delivery	Contents Technology for the production of stones for the covering layer/floors, fresh concrete, concrete elements and systems, asphalt concrete and other clay products. Quarry, ballast etc. Excavation, transport and processing of stone materials. Machinery and equipment used in the excavation and transport of stone materials. Fracture machine and fracture stone and mechanical sieves. Asphalt-based materials: organization of asphalt paper; asphalt concrete; liquid bitumen; plants for recycling of asphalt. Transported concretes: production and transport of fresh concrete; mixers; concrete plants; transportation of fresh concrete; truck mixers; concrete pumps. Installations for bending metal, Machinery and technology for the production of iron for reinforced concrete structures. Of concrete production elements, plants, machinery and other technologies for the production of concrete elements; Prestressing technology, vibration, spin and leveling; paling; vibrating tables; production lines; driving tables. Production plants clay elements, machinery for the production of bricks, blocks and tiles for flooring; breaking the matter first; mixers; press; furnaces; other equipment for processing clay and producing ceramic products.
	Literature [1] Nagendra Parashar, and Mittal, R.K, "Elements of manufacturing processes", 1st Edition Prentice Hall of India Private Limited, . 2003 [2] ASM Handbook "Machining" [3] H.M.T, "Production Technology" 1st Edition, Tata Mc GrawHill Publishing Co.Ltd, 2008.
	Teaching and Learning Methods: Lectures, exercises, consultations and graphic works Total Contact Hours: 28+28+3=59 Hours Range of other Learning Methods: Total Study Hours: 66 Hours

	Total contact and study hours: 125 Hours
Module Assessment	Module Learning Outcomes : The student should gain recognition skills with the technology of production of building materials such as metallic materials, clay, concrete prestressing traditional one.
	Assessment Methods: Participation, Project, Mid-term test, Written Exam and Oral Exam Number, type and method of evaluation : Participation 8% , Project 30% , Mid-term test 20% , Written Exam 36% , Oral Exam 26% Total 100%
Module Management	Credit Points and Duration 5 ECTS, One semester, (III)
	Contact Person
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