

CIVIL ENGINEERING DEPARTMENT -Course Contents

The structure of the course is as per the schedule of examination designed by the Maharashtra State Board of Technical Education (MSBTE) details as follows

I Semester (I Scheme)

1. English (22101)
2. Basic Science (22102)
3. Basic Mathematics (22103)
4. Fundamentals Of ICT (22001)
5. Engineering Graphics (22002)
6. Workshop Practice (22004)

II Semester (I Scheme)

1. Applied Mathematics (22201)
2. Applied Science (22202)
3. Applied Mechanics (22203)
4. Construction Materials (22204)
5. Basic Surveying (22205)
6. Civil Engineering Workshop And Practice (22008)
7. Business Communication Using Computers (22209)

III Semester (I Scheme)

1. Advanced Surveying(22301)
2. Highway Engineering(22302)
3. Mechanics of Structure(22303)
4. Building Construction(22304)
5. Concrete Technology(22305)
6. Computer Aided Drawing(22022)

IV Semester (I Scheme)

1. Hydraulic (22401)
2. Theory of Structure(22402)
3. Railway & Bridge Engineering (22403)
4. Geo-Technical Engineering (22404)
5. Building Planning & Drawing (22405)
6. Environment Studies (22447)

V Semester (I Scheme)

1. Water Resources Engineering (22501)
2. Design of Steel & RCC Structure (22502)
3. Estimating & Costing (22503)
4. Public Health Engineering (22504)
7. Traffic Engineering (22507)
8. Industrial Training (22057)
9. Capstone Project (22058)

VI Semester (I Scheme)

1. Management (22601)
2. Contract & Account (22602)
3. Maintenance & repairs of Structure (22603)
4. Emerging Trends in Civil Engineering (22604)
5. Solid Waste Management (22605)
6. Capstone Project (22060)
7. Entrepreneurship Development

Civil Engineering Department

" Accredited By NBA "



Mr. PAWAR N. B.
H.O.D
(Civil Engineering Department)

Department of Civil Engineering at A.G.Patil Polytechnic Institute was established in 2010 and has continually upgraded itself in terms of academic programs and infrastructure including state-of-the-art laboratories. The department attracts the finest young and dynamic faculty members. Students are exposed to well-defined academic programs along with a host of sports, cultural and organizational activities in a vibrant and beautiful campus of A.G.Patil Polytechnic Institute. The External Academic Monitoring committee of MSBTE has given Excellent remark to our department. The presence of state-of-the-art experimental and computational facilities, active institute-industry interaction, industrial and soft skill training opportunities help the students in the department to excel in the competitive professional life. Department conducts training courses, seminars, workshops and conferences for enrichment in quality of students. Our Students have been selected by government organizations, leading firms and academic institutes. Also few students became successful entrepreneur . The achievement of our students have really have made us proud! The department is committed to providing excellent in classroom infrastructure, enrichment of the academic and professional experience of students, outreach to the engineering community and society, and advancements in Civil Engineering.

Various lab facilities are provided to students here. The labs here are

- 1) Strength of Material
- 2) Engineering Mechanics
- 3) Surveying
- 4) Hydraulics
- 5) Environmental Engineering
- 6) Model Room
- 7) Geo-Tech Engineering
- 8) Concrete Technology
- 9) Transportation Engineering
- 10) Computer Lab
- 11) Highway Engineering Lab

Mr.Pawar N.B
I/C HOD
Civil Engineering Dept