Diploma in Civil Engineering

Eligibility	S.S.C with Work Experience
Duration	1 - 3 Year
Fees	27,500.00
Syllabus	**SEM - I** 1. Finite Element Analysis 2. Engineering Drawing 3. Surveying - I 4. Theory of Structure 5. Strength of Material **SEM - II** 1. Surveying - II 2. Foundation Engineering 3. Geotechnical Engineering 4. Concrete Technology 5. Design of Structure - I **SEM - III** 1. Inelastic Analysis of Plates 2. Engineering Mathematics - I 3. Surveying - III 4. Structural Mechanics 5. Fluid Mechanics - I **SEM - IV** 1. Fluid Mechanics - II 2. Architectural Planning & Design of Building 3. Structural Analysis - I 4. Engineering Geology 5. Advanced Design of Concrete Structure **SEM - V**

	1. Building Planning & Design 2. Construction Management 3. Numerical methods 4. Structural Analysis - II 5. Theory of Elasticity & Plasticity **SEM - VI** 1. Transportation Engineering - I 2. Water Resource Engineering - I 3. Structural Dynamic & Earthquake Engineering 4. Structural Design 5. Environmental Engineering

Bachelors Program in Civil Engineering

Eligibility	3 Years Diploma or HSC with 3 years Work Experience
Duration	1 - 4 Years
Fees	37,500.00
Syllabus	**SEM – I** 1. Calculus 2. Physics 3. Mechanics of Solids 4. Engineering Graphics 5. English **SEM – II** 1. Chemistry 2. Environment & Energy Studies 3. Elements of Electrical Engineering 4. Communication Skills 5. Engineering Mathematics - II **SEM – III**

1. Building Technology & Material
2. Engineering Mathematics - III
3. Surveying
4. Strength of Material
5. Geotechnical Engineering

SEM – IV

1. Fluid Mechanics - I
2. Architectural Planning & Design of Building
3. Structural Analysis - I
4. Engineering Geology
5. Concrete Technology

SEM – V

1. Infrastructure Engineering
2. Construction Techniques
3. Structural Design - I
4. Structural Analysis - II
5. Fluid Mechanics - II

SEM – VI

1. Advanced Surveying
2. Foundation Engineering
3. Structural Design - II
4. Environmental Engineering
5. Concrete Technology - II

SEM – VII

1. Plane Surveying
2. Structural Analysis - III
3. Finite Element Analysis
4. Steel Structures
5. Elements of Transportation Engineering

SEM – VIII

1. Computer Application in Civil Engineering
2. Elements of Environmental Engineering
3. Air Pollution & Control

	4. Soil Dynamics 5. Construction Management 6. Transportation Engineering

Master Program in Civil Engineering

Eligibility	Graduate or Diploma with 5 years of Work Experience
Duration	1 - 2 Year
Fees	34,500.00
Syllabus	**SEM – I** 1. Advanced Structural Mechanics - I 2. Advanced Design of Concrete Structure 3. Structural Dynamics 4. Foundation Engineering 5. Advanced Materials 6. Numerical Methods in Engineering 7. Communication Skills for Engineers **SEM – II** 1. Advanced Structural Mechanics - II 2. Advanced Design of Steel Structure 3. Earthquake Engineering 4. Building Environment & Services 5. Construction & Project Management 6. Operation Research 7. Environmental Risk Assessment & Hazard Management **SEM – III** 1. Construction Techniques & Equipment 2. Low Cost Housing 3. Construction Cost Dynamics 4. Probability, Statistics & Optimization Techniques 5. Architecture & Town Planning 6. Environment Impact Assessment 7. Bridge Engineering

	SEM – IV 1. Transportation Economics 2. Soil Mechanics 3. Water Power Engineering 4. Technologies for Rural Development 5. Fundamental Specifications for Steel Construction

Diploma in Survey Engineering

Eligibility	S.S.C with Work Experience
Duration	1 - 3 Year
Fees	30500.00
Syllabus	**Sem I** 1. Communication Skills 2. Physics - I 3. Chemistry - I 4. Mathematics 5. Engineering Mechanics Sem II 1. Business Economics & Accountancy 2. Physics - II 3. Chemistry - II 4. Engineering Mathematics 5. Strength of Material Sem III 1. Engineering Drawing 2. Environmental Engineering 3. Basic Electronics 4. Chain & Compass Survey 5. Leveling & Plane Table Surveying

	Sem IV 1. Cartography 2. Geodesy & Astronomy 3. Tachometry & Cadastral Survey 4. Theodolite Survey 5. Materials & Construction Practice **Sem V** 1. Industrial Management 2. Curve & Triangulation 3. Topography & Hydrographs 4. Tunnel & Mine Surveying 5. Town & Country Planning **Sem VI** 1. Land Laws & Land Records 2. Photogrammetric & Remote Sensing 3. Estimation, Valuation & Control 4. Design of RCC Structure 5. Mining Technology