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 6. Specialization

Diploma in Survey Engineering

Eligibility	S.S.C with Work Experience
Duration	1 - 3 Year
Fees	27,500.00
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