IIMTSTUDIES doesn’t offer Degree Courses. We offer Certificate programmes.

LIST OF PROGRAMMES OFFERED

*All Training Diploma & Professional Graduate Programmes are offered jointly with City of Oxford College, Oxford (UK) and Post Graduate Programmes in engineering are offered with CCESD, The Institution of Engineers(INDIA), Gujarat State Center.

* Post Graduate Programmes in management are offered with Center of UGC-HRDC, of Nainital at Kumaun University.

PROGRAMME IN AFFILIATION WITH

CITY OF OXFORD COLLEGE

JOINT CERTIFICATION PARTNERS

Industrial Training Institute

UGC-HRDC

CCESD

* IIMTSTUDIES doesn’t offer Degree Courses. We offer Certificate programmes.
GOVERNMENT RECOGNISED ADVANCE CERTIFICATION PROGRAMMES

Advance Certification Programmes

Eligibility Criteria
School dropout, ITI pass out, Diploma holders, Graduate & Post Graduate/Masters

Duration: 5 months (7 Levels)
Study Method: E-Learning

Available Engineering Branches

- Chemical Engineering
- Mechanical Engineering
- Civil Engineering
- Construction Engineering
- Electrical Engineering
- Electronics Engineering
- Fire & Safety
- Oil & Gas
- Health Safety & Environment Engineering
- Automobile Engineering
- Plastic Engineering
- Engineering Management
- Textile Engineering
- 5s, Kaizen, Lean six sigma
- Engineering leadership
- Advance Certification in IT

<table>
<thead>
<tr>
<th>Level</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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<td>Duration (in Weeks)</td>
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<td>4</td>
<td>6</td>
<td>3</td>
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<td>3</td>
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</table>

*Advance Certification Programme is Affiliated with Government ITI Vadagam (Dhansura)*
Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board or ITI.

Duration: 12 Months
Study Method: Blended Learning / Classroom Learning with Case study analysis

SUBJECT COVERED & LEARNING OUTCOME

Semester – I
- Basics of Computer Engineering
- Basics of Electrical Engineering
- Engineering Mechanics
- Machine Drawing

Semester – II
- Strength of Material
- Fluid Mechanics
- Thermal Engineering
- Machine Design and Industrial drafting
- Manufacturing Processes I

Semester – III
- Basics of CAD
- Power Plant Engineering
- Non convensional energy resources
- Automobile Engineering
- Refrigeration and Air-Conditioning

Duration: 16 Months
Study Method: Blended Learning / Classroom Learning with Case study analysis

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration: 16 Months
Study Method: Blended Learning / Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Mechanics of Solid
- Material science & Engineering
- Thermal science engineering
- Manufacturing process

Semester – II
- Fluid mechanics
- Machine design 1
- Kinematics of machine
- Engineering thermodynamics
- Mechanical Measurement

Semester – III
- Heat and mass transfer
- Dynamics of machines
- Machine design 2
- Automobile Engineering
- Computer aided Design
- Power Plant engineering

Semester – IV
- Refrigeration and Air-Conditioning
- IC Engine
- Production technology
- Theory of Machines
- Computer integrated manufacturing
- Maintenance management

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Computational fluid dynamics
- Advance Fluid Mechanics
- Optimization techniques
- CAD/CAM
- Mechanical vibrations welding technology

Semester – II
- IC Engine
- Production technology
- HVAC- Heat Ventilation and Air conditioning.
- Computer integrated manufacturing
- Cryogenicsfinite element analysis

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.
## Training Diploma Programme

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

**Duration**: 12 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

**Semester – I**
- Automobiles Mechanics
- Automobile Drafting & Drawing
- Thermodynamics & Hydraulics
- Materials & Manufacturing Technology

**Semester – II**
- Automobiles Engines
- Auto Transmission & Mechanism
- Fuels & Lubricants
- Automobile Electrical Systems

**Semester – III**
- Earth Moving Machinery
- Automobile Pollution Control Engineering
- Automobile Air Conditioning

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

## Professional Graduate Programme

**Eligibility Criteria**
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

**Duration**: 16 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

**Semester – I**
- Strength of Materials
- Heat Transfer and Combustion
- Engineering Mechanics
- Theory of Machines

**Semester – II**
- Design of Mechanical Systems
- Automotive Diesel Engines
- Material Science & Technology
- Automotive Chassis

**Semester – III**
- Two and Three Wheelers
- Vehicle Body Engineering
- Vehicle Dynamics
- Theory and Design of Jigs and Fixtures

**Semester – IV**
- Modern Vehicle Technology
- Tractors and Farm Equipment
- Computer Simulation of I.C Engine Processes
- Off-road Vehicles

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having H.S.C. or Diploma Holder from any reputed University / Institute or Polytechnic.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Engineering Mechanics
- Automobile Drafting & Drawing
- Thermodynamics & Hydraulics
- Materials & Manufacturing Technology
- Auto Transmission & Mechanism

Semester – II
- Automobiles Engines
- Auto Transmission & Mechanism
- Fuels & Lubricants
- Automobile Electrical Systems
- Earth Moving Machinery
- Automobile Pollution Control Engineering
- Automobile Air Conditioning
- Tractor & Farm Equipments

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.
MECHATRONICS ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

Duration : 12 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Measurement and Instrumentation
- Internal Combustion Engines
- Air-conditioning I
- Electrical Machines - II

Semester – II
- Engineering Skills
- Mechanics of Machinery
- Engineering Mechanics
- THERMO FLUID - 1

Semester – III
- Machine Design
- Reverse Engineering
- CAD/CAM
- Mechatronics Systems Design

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduation Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration : 16 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Measurement and Instrumentation
- Electrical Machine
- Internal Combustion Engines
- Air-conditioning I

Semester – II
- Engineering Mechanics
- Engineering Skills
- THERMO FLUID - 1
- Mechanics of Machinery

Semester – III
- Machine Design
- Reverse Engineering
- CAD/CAM
- Mechatronics Systems Design

Semester – IV
- Vehicle Dynamics
- Advanced Sensor Systems and Instrumentation
- Computational Fluid Dynamics

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
**Post Graduate Programme**

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation or Diploma Holder from any reputed University / Institute.

**Duration**: 11 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

<table>
<thead>
<tr>
<th><strong>SUBJECT COVERED</strong></th>
<th><strong>Semester – I</strong></th>
<th><strong>Semester – II</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mechatronics Systems Design</td>
<td>Data Acquisition and Signal Conditioning</td>
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<tr>
<td></td>
<td>Micro Electro-mechanical Systems</td>
<td>Autotronics and Vehicle Intelligence</td>
</tr>
<tr>
<td></td>
<td>Vehicle Dynamics</td>
<td>Electro-optic Systems</td>
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<tr>
<td></td>
<td>Power Electronics and Drives</td>
<td>Design of Hydraulic and Pneumatic Systems</td>
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<tr>
<td></td>
<td>Advanced Sensor Systems and Instrumentation</td>
<td>Advanced Vibration Engineering</td>
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<tr>
<td></td>
<td>Fuzzy logic and neural networks</td>
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</tr>
<tr>
<td></td>
<td>Computational Fluid Dynamics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Machine Vision System</td>
<td></td>
</tr>
</tbody>
</table>

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
### Training Diploma Programme

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

**Duration**: 12 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

#### SUBJECT COVERED

**Semester – I**
- Basics of Computer Engineering
- Basic Electrical Engineering
- Basic Electronics Engineering
- Circuit Analysis
- Engineering Mathematics
- Electric wiring
- Electrical Engineering Material
- Microprocessor

**Semester – II**
- Electrical Machine
- Electrical Measurements
- Generation of Electrical Power
- Control System
- Renewable Energy Sources
- Instrumentation
- Utilization of Electrical Energy
- Electrical Design Drawing & Estimating

**Semester – III**
- Power Generation, Transmission And Distribution
- Power Electronics
- Industrial Control
- Installation Maintenance & Repair of Electrical Equipments
- Digital Electronics
- Switch Gear & Protection
- Introduction to FACTs
- Control of Electric Machines

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**Professional Graduation Programme**

**Eligibility Criteria**
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

**Duration**: 16 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

#### SUBJECT COVERED

**Semester – I**
- Basic Electrical Engineering
- Analog Electronics
- Circuit Analysis-I
- Circuit Analysis-II
- Object Oriented Programming Structures (OOPS)
- Advanced Mathematics
- Digital Electronics
- Electrical Measurements

**Semester – II**
- Electrical Machines - I
- Power Electronics
- Generation of electrical power
- Power Generation, Transmission And Distribution
- Instrumentation
- Power System Components
- Non Conventional Energy Sources
- Electrical engineering material

**Semester – III**
- Electrical Machines - II
- Industrial Electronics
- Power System-I
- Control System
- Advanced Control System
- Introduction to MATLAB
- Distribution Automation
- Substation Designing

**Semester – IV**
- Power System-II
- Power System Analysis
- Power System Protection
- Electric Drives
- High Voltage Engineering
- Artificial Intelligence
- Power System Design
- Electrical Machine

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*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months

Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I

- Computer Methods in Power Systems
- Power System Analysis
- Power System planning & Restructuring
- Advanced Distribution System
- Power System Optimization
- EHV AC Transmission
- Advanced Power Electronics
- Introduction to FACTs
- Power Quality

Semester – II

- Simulation and Modeling
- Advanced Circuit Analysis & Design
- Integrated Energy Systems
- Power System Stability
- Industrial Drives
- MATLAB Programming & Simulation
- Intelligent Control of Power System
- Power System Operation and Control
- HVDC Transmission Systems

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
<th>Subject</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection of wiring System</td>
<td>12-10-19</td>
<td>Introduction: Electric Drives</td>
<td>22-10-19</td>
</tr>
<tr>
<td>Commutation Techniques</td>
<td>14-10-19</td>
<td>Steady State and Dynamic Stabilities</td>
<td>23-10-19</td>
</tr>
<tr>
<td>Introduction to FACTS</td>
<td>15-10-19</td>
<td>Measuring Instruments</td>
<td>24-10-19</td>
</tr>
<tr>
<td>Conduction in Semiconductors</td>
<td>16-10-19</td>
<td>Introduction to Power Planning</td>
<td>25-10-19</td>
</tr>
<tr>
<td>Solar Energy</td>
<td>17-10-19</td>
<td>Introduction to wiring</td>
<td>25-10-19</td>
</tr>
<tr>
<td>Fundamental Electrical Theory</td>
<td>18-10-19</td>
<td>Per Unit System</td>
<td>26-10-19</td>
</tr>
<tr>
<td>Introduction</td>
<td>19-10-19</td>
<td>Rectifiers and Inverters</td>
<td>30-10-19</td>
</tr>
<tr>
<td>Introduction to Electrical Machines</td>
<td>21-10-19</td>
<td>Alternator</td>
<td>31-10-19</td>
</tr>
<tr>
<td>Corona, Insulators, Underground Cables</td>
<td>22-10-19</td>
<td>hydro and nuclear power plants</td>
<td>31-10-19</td>
</tr>
</tbody>
</table>

* Classroom training will be delivered at the employer’s premises. * Subject to employer’s consent. * The lecture schedule is applicable to those students who enrolled till April 2018.
**Training Diploma Programme**

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

**Duration**: 12 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

**SUBJECT COVERED**

<table>
<thead>
<tr>
<th>Semester – I</th>
<th>Semester – II</th>
<th>Semester – III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Mechanics</td>
<td>Digital Integrated Circuits</td>
<td>Microwave &amp; Optical Communications</td>
</tr>
<tr>
<td>Engineering Drawing</td>
<td>Electronics Instrumentation</td>
<td>Digital Signal Processing</td>
</tr>
<tr>
<td>Devices &amp; Circuits</td>
<td>Data communication</td>
<td>Robotics</td>
</tr>
<tr>
<td>Signals and Systems</td>
<td>Industrial Electronics</td>
<td>Microprocessor</td>
</tr>
</tbody>
</table>

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

**Professional Graduate Programme**

**Eligibility Criteria**
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

**Duration**: 16 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

**SUBJECT COVERED**

<table>
<thead>
<tr>
<th>Semester – I</th>
<th>Semester – II</th>
<th>Semester – III</th>
<th>Semester – IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Drawing</td>
<td>ROBOTICS</td>
<td>Electromagnetic Field Theory</td>
<td>Advanced Engineering Drawings</td>
</tr>
<tr>
<td>Devices &amp; Circuits</td>
<td>Industrial Electronics</td>
<td>Analog Electronics</td>
<td>Devices &amp; Circuits</td>
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<tr>
<td>Data communication</td>
<td>Microwave &amp; Optical Communications</td>
<td>Signals and Systems</td>
<td>Digital Signal Processing - 2</td>
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<td>Digital Signal Processing</td>
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<td>Measurements and Instrumentation</td>
</tr>
</tbody>
</table>

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Engineering Mechanics
- Engineering Drawing
- Devices & Circuits
- Signals and Systems
- Digital Integrated Circuits
- Electronics Instrumentation

Semester – II
- Data communication
- Industrial Electronics
- Microwave & Optical Communications
- Digital Signal Processing
- Robotics
- Microprocessor

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.

E-Lecture Schedule for the month of October - 2019

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
<th>Subject</th>
<th>Date</th>
</tr>
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<tbody>
<tr>
<td>Energy Band Theory of Solids</td>
<td>11-10-19</td>
<td>PN Junction Devices</td>
<td>22-10-19</td>
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<tr>
<td>Oscillators</td>
<td>12-10-19</td>
<td>Power Amplifiers</td>
<td>23-10-19</td>
</tr>
<tr>
<td>BJT; FET</td>
<td>14-10-19</td>
<td>Operational Amplifiers</td>
<td>24-10-19</td>
</tr>
<tr>
<td>Field Effect Transistors</td>
<td>19-10-19</td>
<td>Laplace Transform Analysis</td>
<td>26-10-19</td>
</tr>
<tr>
<td>Special Diodes</td>
<td>21-10-19</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Classroom training will be delivered at the employer’s premises.  
* Subject to employer’s consent.  
* The lecture schedule is applicable to those students who enrolled till April 2018.
## INSTRUMENTATION & CONTROL ENGINEERING

### Training Diploma Programme

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

**Duration:** 12 Months

**Study Method:** Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

#### Semester – I
- Basics of Computer Engineering
- Electrical & Electronics Engineering
- Digital Electronics
- Network Analysis
- Engineering Mathematics
- ELECTRICAL MEASUREMENTS
- Engineering Materials
- Microprocessor

#### Semester – II
- Electrical Machine
- Process Controller
- Optical Instruments & Devices
- Control Theory
- Renewable Energy Sources
- Signaling Conditioning
- Instrumentation Workshop
- Industrial Instrumentation

**Semester – III**
- Microcontrollers
- Power & Industrial Electronics
- Biomedical instrumentation
- Applied Instrumentation
- Automobile Engineering
- Transducers and telemetry
- Analytical Instrumentation
- Instrumentation
- Digital control

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

### Professional Graduate Programme

**Eligibility Criteria**
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

**Duration:** 16 Months

**Study Method:** Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

#### Semester – I
- Basic Electrical Engineering
- Analog electronics
- Network Theory-I
- Network Theory-II
- Object Oriented Programming
- Structures (OOPS)
- Advanced mathematics
- Digital Electronics
- Measurement and Instrumentation

#### Semester – II
- Electrical Machines - I
- Power electronics
- Electrical Measurements
- Sensors & Transducers
- Mechatronics
- Signals and Systems
- MEMS and Nano-technology
- Engineering Materials

#### Semester – III
- Electrical Machines - II
- Advanced Industrial electronics
- Robotics
- Control system components
- Advanced control system
- Introduction to MATLAB
- Soft computing
- Distributed control systems

#### Semester – IV
- Process Control and its Operation
- Fibre optic & Instrumentation
- Industrial Measurement
- Digital Image processing
- Instrumentation in Industries
- Artificial Intelligence
- Biomedical Instrumentation
- Principles of machine tool design
- Digital signal processing

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration: 11 Months
Study Method: Blended Learning / e-Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Measurement Science
- Process Control and its Operation
- Digital control
- Microcontrollers
- Energy Management
- Industrial Instrumentation
- Opto electronic & Instrumentation
- Digital signal processing
- Soft computing

Semester – II
- Instrumentation for Environmental Engineering
- Analytical Instrumentation
- Power Plant Instrumentation
- Data communication
- Digital communication
- Biomedical Instrumentation
- Computer networks
- Virtual Instrumentation
- Technology Management

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.

E-Lecture Schedule for the month of October - 2019

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
</tr>
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<tbody>
<tr>
<td>Synchronous Machine</td>
<td>11-10-19</td>
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</tbody>
</table>

* Classroom training will be delivered at the employer’s premises.  
*Subject to employer’s consent.  
*The lecture schedule is applicable to those students who enrolled till April 2018.
CIVIL ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

Duration: 12 Months

Study Method: Blended Learning / e Classroom Learning with Case study analysis

<table>
<thead>
<tr>
<th>SUBJECT COVERED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester – I</strong></td>
</tr>
<tr>
<td>‣ Engineering mathematics - I &amp; II</td>
</tr>
<tr>
<td>‣ Construction Technology</td>
</tr>
<tr>
<td>‣ Fluid Mechanics</td>
</tr>
<tr>
<td>‣ Strength of material</td>
</tr>
<tr>
<td>‣ Surveying - I</td>
</tr>
<tr>
<td>‣ Engineering Drawing</td>
</tr>
<tr>
<td><strong>Semester – II</strong></td>
</tr>
<tr>
<td>‣ Design of Steel Structure</td>
</tr>
<tr>
<td>‣ Environmental Engineering</td>
</tr>
<tr>
<td>‣ Design of Reinforced Concrete Structure</td>
</tr>
<tr>
<td>‣ Surveying - II</td>
</tr>
<tr>
<td>‣ Irrigation Engineering</td>
</tr>
<tr>
<td>‣ Estimating and Costing</td>
</tr>
<tr>
<td><strong>Semester – III</strong></td>
</tr>
<tr>
<td>‣ Concrete technology and RCC</td>
</tr>
<tr>
<td>‣ Road, bridge and airport engineering</td>
</tr>
<tr>
<td>‣ Advance Construction Technology</td>
</tr>
<tr>
<td>‣ Irrigation Engineering</td>
</tr>
<tr>
<td>‣ Railway Tunnel and Harbor</td>
</tr>
<tr>
<td>‣ Water Resource Management</td>
</tr>
</tbody>
</table>

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration: 16 Months

Study Method: Blended Learning / e Classroom Learning with Case study analysis

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<td><strong>Semester – I</strong></td>
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<tr>
<td>‣ Engineering mathematics - I &amp; II</td>
</tr>
<tr>
<td>‣ Strength Of Material</td>
</tr>
<tr>
<td>‣ Basics of Mechanical Engineering</td>
</tr>
<tr>
<td>‣ Elements of Civil Engineering</td>
</tr>
<tr>
<td>‣ Engineering Graphics</td>
</tr>
<tr>
<td>‣ Basic Electrical Engineering</td>
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<tr>
<td><strong>Semester – II</strong></td>
</tr>
<tr>
<td>‣ Engineering Mathematics - III &amp; IV</td>
</tr>
<tr>
<td>‣ Building and Town Planning</td>
</tr>
<tr>
<td>‣ Surveying - I</td>
</tr>
<tr>
<td>‣ Fluid Mechanics</td>
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<tr>
<td>‣ Geotechnical engineering</td>
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<tr>
<td>‣ Structural Analysis - I</td>
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<tr>
<td>‣ Concrete Technology</td>
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<tr>
<td><strong>Semester – III</strong></td>
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<tr>
<td>‣ Structural Analysis - II</td>
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<tr>
<td>‣ Design of Reinforced Concrete Structure</td>
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<tr>
<td>‣ Surveying - II</td>
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<tr>
<td>‣ Transportation Engineering</td>
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<tr>
<td>‣ Environmental Engineering</td>
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<tr>
<td>‣ Bridge Engineering</td>
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<tr>
<td>‣ Irrigation Engineering</td>
</tr>
<tr>
<td><strong>Semester – IV</strong></td>
</tr>
<tr>
<td>‣ Design of Steel Structure</td>
</tr>
<tr>
<td>‣ Quantity Surveying and Estimation</td>
</tr>
<tr>
<td>‣ Hydraulic Structures</td>
</tr>
<tr>
<td>‣ Remote Sensing</td>
</tr>
<tr>
<td>‣ Engineering Management</td>
</tr>
<tr>
<td>‣ Hydrology and Water Resource Engineering</td>
</tr>
</tbody>
</table>

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Advanced Analysis of Structures
- Concrete Technology
- Bridges Design
- Advanced Foundation Design
- Analysis and Design of Tall Structures
- Earth Quake Engineering

Semester – II
- Structural Dynamics
- Design of Reinforced Concrete Structure
- Highway Engineering
- Project Report
- Computer Methods and Finite Element Analysis
- Soil Dynamics

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.

E-Lecture Schedule for the month of October - 2019

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
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<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic Turbines</td>
<td>11-10-19</td>
<td>Bernoulli Equation and Applications</td>
<td>18-10-19</td>
</tr>
<tr>
<td>Determinate Shaft</td>
<td>12-10-19</td>
<td>Compression Members &amp; Tension Members</td>
<td>24-10-19</td>
</tr>
<tr>
<td>Three-Hinged Arches</td>
<td>14-10-19</td>
<td>Vertical control</td>
<td>24-10-19</td>
</tr>
<tr>
<td>Elasticity and creep</td>
<td>14-10-19</td>
<td>Wall, Floor, and Ceiling Systems</td>
<td>25-10-19</td>
</tr>
<tr>
<td>Beams</td>
<td>17-10-19</td>
<td>The general principles of foundation design</td>
<td>26-10-19</td>
</tr>
<tr>
<td>Introduction to Estimating</td>
<td>17-10-19</td>
<td>The Displacement Method</td>
<td>30-10-19</td>
</tr>
</tbody>
</table>

* Classroom training will be delivered at the employer’s premises.  
* Subject to employer’s consent.  
* The lecture schedule is applicable to those students who enrolled till April 2018.
# HEALTH SAFETY AND ENVIRONMENT ENGINEERING

## Training Diploma Programme

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience & compulsory having S.S.C or ITI Holder from any reputed University / Institute or Polytechnic.

**Duration:** 12 Months

**Study Method:** Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

**Semester – I**
- Principle of Process Safety
- Basic of Manufacturing Industry
- Environmental Management
- Element of Safety Management

**Semester – II**
- Hazard safety measures in Manufacturing Industry
- Electrical Safety
- Statutory regulation & safety in Construction

**Semester – III**
- Green fuel & Environmental Management
- Fire Risk & Control
- Linkage between EHS & Business Performance
- Project Report

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

## Professional Graduate Programme

**Eligibility Criteria**
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

**Duration:** 16 Months

**Study Method:** Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

**Semester – I**
- Fire Risk & Control
- Environmental Management
- Element of Safety Management
- Total Quality Management
- Occupational Health & Safety Management

**Semester – II**
- Project Management & Contract Administration
- Hazard Safety Measures in Manufacturing Industry
- Safety in Construction
- Safety in Industrial Operation & Design

**Semester – III**
- Electrical Safety
- Statutory regulation & safety in Construction
- Management of quality and safety in Construction
- Total Predictive Maintenance

**Semester – IV**
- Clean Development Mechanism
- Linkage Between EHS & Business Performance
- Project Report

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
<th>Subject</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major process hazards, Process</td>
<td>16-10-19</td>
<td>Non permit required confined</td>
<td>23-10-19</td>
</tr>
<tr>
<td>Hazard control: Planning</td>
<td></td>
<td>space</td>
<td></td>
</tr>
<tr>
<td>Personal protective equipment</td>
<td>19-10-19</td>
<td>Safety laws and regulations</td>
<td>24-10-19</td>
</tr>
<tr>
<td>Consequences of ignoring</td>
<td>23-10-19</td>
<td>Introduction &amp; elements of</td>
<td>30-10-19</td>
</tr>
<tr>
<td>manufacturing Safety</td>
<td></td>
<td>quality management</td>
<td></td>
</tr>
</tbody>
</table>

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.

* Classroom training will be delivered at the employer's premises.  
*Subject to employer's consent.  
*The lecture schedule is applicable to those students who enrolled till April 2018.
ENVIRONMENTAL ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C or ITI Holder from any reputed University / Institute or Polytechnic.

Duration : 12 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Principle and Practice of Management
- Basics of Management Accounting
- Introduction to Environment-1
- Environmental Legislation

Semester – II
- Data Collection, Analysis & Reporting
- Introduction to Environment-1
- Natural Resource Management
- Industrial waste water management

Semester – III
- Environmental Management
- Environmental Pollution & Disaster Management
- Project Report
- Written Analysis & Communication Skills

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having H.S.C or Diploma Holder from any reputed University / Institute or Polytechnic.

Duration : 16 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Basics of Management Accounting
- Introduction to Environment-1
- Environmental Legislation
- Principle and Practice of Management

Semester – II
- Introduction to Environment-1
- Natural Resource Management
- Data Collection, Analysis & Reporting

Semester – III
- Environmental Pollution & Disaster Management
- Environmental Management
- Written Analysis & Communication Skills

Semester – IV
- Industrial waste water management
- Environmental chemistry and microbiology
- Solid waste and hazardous waste management
- Project Report

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
### Post Graduate Programme

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

**Duration:** 11 Months
Study Method: Blended Learning / e-Classroom Learning with Case study analysis

### SUBJECT COVERED

#### Semester – I
- Numerical Method and Applied Statistics
- Air Pollution and Control
- Physico-Chemical Process for Water and Waste
- Water Treatment
- Introduction to Environment-1
- Environmental Legislation

#### Semester – II
- Industrial Waste Water Management
- Environmental Chemistry and Microbiology
- Solid Waste and Hazardous Waste Management
- Natural Resource Management
- Environmental Pollution & Disaster Management

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
## Training Diploma Programme

**Eligibility Criteria**  
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C or ITI Holder from any reputed University / Institute or Polytechnic.

**Duration**: 12 Months  
**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

#### Semester – I
- Health, Safety & Environmental Management-I
- Construction Science And Materials
- Welding And Grinding
- Risk Assessment And Safety Analysis

#### Semester – II
- Safety Signs
- Building Technology
- Lifting & rigging operations -I
- Basic Fire Fighting

#### Semester – III
- Confined Space Entry
- Accident Investigation
- Ground Disturbance/ excavation safety

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

## Professional Graduate Programme

**Eligibility Criteria**  
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

**Duration**: 16 Months  
**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

#### Semester – I
- Basics of HSE
- Safety Management System
- Hazard Identification and Risk Assessment
- Occupational Health
- Fire Safety
- Environmental Engineering & Management
- HSE Management

#### Semester – II
- Electrical Safety
- Fire Prevention & Protection Measures
- First Aid & Emergency Procedure
- Environmental protection and Waste management
- Industrial Hygiene

#### Semester – III
- Safety legislation in India
- Accident prevention techniques & Case studies
- Disaster Management
- Total Quality Management (TQM)
- Environmental legislation in India
- Safety and Risk Management

#### Semester – IV
- Workplace Safety
- Physical & Psychological Hazards & Control
- Transport & Musculoskeletal Hazard
- Construction Safety
- Safety in Material handling
- Safety in Engineering industry
- Human Factor & Ergonomics
- Safety in Dangerous substances
- Safety in Dock
- Safety in Mines
- Safety in Oil & Gas
- Safety in Chemical Industries
- Safety in Health care
- Safety in Nuclear & Radioactive material

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
SAFETY ENGINEERING

Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- HSE Management
- Quality Control in HSE
- Safety Engineering 1
- Safety Engineering 2
- HSE Legislation in India
- Industrial Hygiene & Occupational Health
- General Management

Semester – II
- Safety in Hydrocarbon & Process Industries
- Safety in Engineering Industries
- Environmental Management & Governance
- Advanced Safety Mgt & Engg. Techniques
- Applied Ergonomics
- Fire Safety Technology
- Safety in Construction & demolition
- Safety in Dock
- Safety in Textile
- Safety design
- International legal framework & conventions

E-Lecture Schedule for the month of October - 2019

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COMPUTER APPLICATION ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

Duration: 12 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Engineering Mathematics
- C Programming
- Data Structures with C & C++
- Operating System
- Object Oriented Programming with C++
- Research Method

Semester – II
- Database Management System
- Computer Organization
- Unix & Shell Programming
- Computer Graphics & Visualization
- Formal Languages And Automation
- Theory & Software Architecture

Semester – III
- Corel Draw
- Desk Top Publishing (Page Maker, Photoshop)
- Data Communication and Computer Networks
- C # and .Net
- Artificial Intelligence
- Software Testing
- Mobile Applications Development
- Cloud Computing
- Cryptography & Network Security
- Internet Technology
- Cyber Crimes & IPR

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration: 16 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Computer Fundamental & Office Automation
- Programming Principle & Algorithm
- Principle of Management
- Business Communication
- C Programming
- Social Media Marketing

Semester – II
- Organisation Behavior
- Financial Accounting
- Object Oriented Programming with C++
- Data Structures with C & C++
- Computer Architecture & Assembly Language

Semester – III
- Elements of Statistics
- Computer Graphics & Multimedia Application
- Operating System
- Software Engineering
- Optimization Techniques
- Introduction to DBMS
- Java Programming and Dynamic Webpage Design

Semester – IV
- Computer Networks
- Numerical Methods
- Network Security
- Information System: Analysis Design & Implementation E-Commerce
- Knowledge Management

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

<table>
<thead>
<tr>
<th>SUBJECT COVERED</th>
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<tbody>
<tr>
<td><strong>Semester – I</strong></td>
</tr>
<tr>
<td>Software Engineering</td>
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<tr>
<td>Internet Technology</td>
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<tr>
<td>Database Management System</td>
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<tr>
<td>Computer Networks</td>
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</tbody>
</table>

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
CHEMICAL ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

Duration : 12 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Engineering Mechanics
- Engineering Drawing
- Strength Of Material
- Chemical Engineering

Semester – II
- Principle & Calculations
- Heat Transfer Thermodynamics

Semester – III
- Fundamental of Computer
- Polymer Science and Engineering
- Chemical Reaction Engineering
- Transport Phenomenon

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration : 16 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Advance Chemical Reaction Engineering
- Chemical Engineering Mathematics
- Energy Management
- Engineering Thermodynamics
- Simulation and modeling

Semester – II
- Advance Mass Transfer
- Fluid Mechanics
- Computational Fluid Dynamics
- Fire and Safety
- Advanced Heat Transfer

Semester – III
- Transport Phenomenon
- Surface Chemistry
- Equipment Design Techniques
- Fertilizer Technology
- Chemical Technology

Semester – IV
- Science of Catalyst
- Oil & Paint Technology
- Cement Technology
- Separation Techniques
- Process Control and its Operation

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Advance Chemical Reaction Engineering
- Advance Mass Transfer
- Fluid Mechanics/Fire and Safety
- Process Control and its Operation
- Advanced Heat Transfer
- Polymer Science and Engineering
- Chemical Technology

Semester – II
- Transport Phenomenon
- Surface Chemistry
- Fertilizer Technology
- Process Control and its Operation
- Human Sociological Aspect
- Pollution Control Methods
- Nuclear Chemistry
- Separation Techniques
- Science of Catalyst

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
## Training Diploma Programme

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Holder from Government Board.

**Duration:** 12 Months

**Study Method:** Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

**Semester – I**
- Physical Metallurgy
- Metallic Materials
- Material Science and Steel
- Material Science of Non-Ferrous Metals

**Semester – II**
- Mineral Materials & Mineral Science
- Science of Mineral Materials
- Glass Technology, Ceramic Technology
- Inorganic Building Materials
- Process Technology

**Semester – III**
- Ferrous Process Metallurgy
- Non-Ferrous Process Metallurgy
- Casting Technology
- Metal Forming, Process & Plant Engineering
- Physical Metallurgy & Materials

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

## Professional Graduate Programme

**Eligibility Criteria**
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

**Duration:** 16 Months

**Study Method:** Blended Learning / e Classroom Learning with Case study analysis

### SUBJECT COVERED

**Semester – I**
- Material Science & Metallurgy
- Production of Non-Ferrous Metals and alloys
- Physical Metallurgy
- Testing of Metallic Materials

**Semester – II**
- Iron Making
- Steel making
- Metallurgical analysis

**Semester – III**
- Foundry Technology
- Metal Forming, Process & Plant Engineering
- Welding Technology

**Semester – IV**
- Heat and mass transfer
- Principles of Extractive Metallurgy
- Material Degradation and Prevention

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

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- Metal Forming, Process & Plant Engineering
- Welding Technology

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Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C or ITI Holder from any reputed University / Institute or Polytechnic.

Duration : 12 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Apply mathematical techniques
- Occupational Health & Safety Management
- Apply basic scientific principles
- Interpret engineering drawings
- Reservoir engineering basics
- Computing technology
- Basic drilling operations

Semester – II
- Organize and communicate information
- Assist in performing formation evaluation
- Surface production operations and equipment
- Select common engineering materials
- Overview of the oil and gas industry
- Oil refining

Semester – III
- Petroleum Geology
- Chemical processing
- Process control and instrumentation technology
- Petrochemical industry
- Project Report

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration : 16 Months
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- Select common engineering materials
- Overview of the oil and gas industry
- Oil refining

Semester – III
- Petroleum Geology
- Chemical processing
- Process control and instrumentation technology
- Petrochemical industry
- Project Report

Semester – IV
- Multilateral and Horizontal Well Technology
- Oil and Gas Field Development and Planning
- Integrated Reservoir Management
- Well Servicing

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*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
**Post Graduate Programme**

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

**Duration : 11 Months**
Study Method : Blended Learning / e Classroom Learning with Case study analysis

**SUBJECT COVERED**

<table>
<thead>
<tr>
<th>Semester – I</th>
<th>Semester – II</th>
</tr>
</thead>
<tbody>
<tr>
<td>‣ Petroleum Drilling and Production Engineering</td>
<td>‣ Advance Petroleum formation Evaluation</td>
</tr>
<tr>
<td>‣ Petroleum safety practices</td>
<td>‣ Enhanced Oil recovery techniques</td>
</tr>
<tr>
<td>‣ Introduction to Petroleum Geology</td>
<td>‣ Offshore oil and gas technology</td>
</tr>
<tr>
<td>‣ Petroleum Reservoir Engineering and field development</td>
<td>‣ Advance Well Completion</td>
</tr>
<tr>
<td>‣ Introduction to Petroleum Geophysics</td>
<td>‣ Oil &amp; Gas Property Evaluation, Economics &amp; Risk Analysis</td>
</tr>
<tr>
<td></td>
<td>‣ Drilling System Design</td>
</tr>
<tr>
<td></td>
<td>‣ Well test analysis</td>
</tr>
</tbody>
</table>

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
PETROLEUM ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience & compulsory having S.S.C or ITI Holder from any reputed University/Institute or Polytechnic.

Duration: 12 Months

Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Mechanical Engineering
- Drilling Technology
- Managerial Economics
- Engineering and Management
- Petroleum Production Operation
- Directional Drilling

Semester – II
- Natural Gas Engineering
- Offshore Drilling and Petroleum Production Practices
- Petroleum Exploration - Geophysical Methods
- Health Safety and Environment in Petroleum Industry
- Personnel Management and Industrial Relations

Semester – III
- Surface Operations for Oil and Gas Production Reservoir Modeling and Simulation
- Pipeline Engineering Oil & Gas Property Evaluation, Economics & Risk Analysis
- Petroleum Marketing and Transportation
- Human Resources Development Projects & Dissertation

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/Institute or Polytechnic.

Duration: 16 Months

Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Mechanical Engineering
- Drilling Technology
- Managerial Economics
- Engineering and Management
- Petroleum Production Operation
- Directional Drilling

Semester – II
- Natural Gas Engineering
- Offshore Drilling and Petroleum Production Practices
- Petroleum Exploration - Geophysical Methods
- Health Safety and Environment in Petroleum Industry
- Personnel Management and Industrial Relations

Semester – III
- Surface Operations for Oil and Gas Production Reservoir Modeling and Simulation
- Pipeline Engineering Oil & Gas Property Evaluation, Economics & Risk Analysis
- Petroleum Marketing and Transportation
- Human Resources Development Projects & Dissertation

Semester – IV
- Oil & Gas Law, Business Policy and Strategy
- Petroleum Geology
- Chemical processing
- Petrochemical industry

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
## Post Graduate Programme

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

**Duration**: 11 Months

Study Method: Blended Learning / e Classroom Learning with Case study analysis

## SUBJECT COVERED

### Semester – I
- Mechanical Engineering
- Oil & Gas Law, Business Policy and Strategy
- Drilling Technology
- Managerial Economics
- Engineering and Management
- Petroleum Production Operation
- Natural Gas Engineering
- Offshore Drilling and Petroleum
- Production Practices

### Semester – II
- Surface Operations for Oil and Gas Production Reservoir Modeling and Simulation
- Petroleum Marketing and Transportation
- Pipeline Engineering
- Oil & Gas Property Evaluation, Economics & Risk Analysis
- Human Resources Development Projects & Dissertation
- Petroleum Exploration - Geophysical Methods
- Health Safety and Environment in Petroleum Industry
- Personnel Management and Industrial Relations

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
INFORMATION TECHNOLOGY ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C or ITI Holder from any reputed University / Institute or Polytechnic.

Duration : 12 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- English Communication
- Maths 1
- Fundamental of Computer
- Electrical Concept
- Basic Hardware & Software

Semester – II
- C Programming
- World Wide Web
- Networking
- Operating System
- Object Oriented Programming Structures (OOPS)
- Real Time System

Semester – III
- Data Structure
- Computer Architect
- Introduction to Cloud Technology
- E-Commerce
- Database Management System
- Cyber Security

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration : 16 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Mathematics - I
- Programming and Computing (C and Unix)
- Engineering Drawing
- Basic Electricals and Electronics
- Physics- I
- Chemistry

Semester – II
- Object Oriented Programming Structures (OOPS)
- Digital Electronics
- Physics-2/Internet Technology
- Data Structure
- Computer Organization
- Software Engineering

Semester – III
- Industrial Economics
- Microprocessor
- Engineering Mechanics
- Mathematics - II
- Theory of Computation
- Design and Analysis of algorithm

Semester – IV
- Operating System
- Computer Networks
- Mathematics - 3
- Digital Image Processing
- Industrial Management

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
### Post Graduate Programme

<table>
<thead>
<tr>
<th>Eligibility Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Duration : 11 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Method : Blended Learning / e Classroom Learning with Case study analysis</td>
</tr>
</tbody>
</table>

### SUBJECT COVERED

#### Semester – I
- Introduction to IT
- Data Structures and Algorithms
- Basic Electronics and Communication (E&C)

#### Semester – II
- Computer Organization & Architecture
- Data Base Management System (DBMS)
- Object Oriented Programming Structures (OOPS)
- Data Communication and Computer Networks

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
Quantity Surveying Engineering

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/Institute or Polytechnic

Duration: 16 Months
Study Method: Blended Learning / e-Classroom Learning with Case study analysis

Semester – I
- Surveying
- Structural Analysis - I
- Building Materials and Construction
- Engineering Drawing

Semester – II
- Estimation, Costing and Valuation
- Project Management Systems And Techniques
- Management of Public Private Partnership Projects
- Building Planning and Drawing

Semester – III
- Tendering, Bidding and Contracting
- REPAIR AND STRENGTHENING TECHNIQUES
- Transportation Engineering
- Contracts and Claims Management
- Valuation of Land, Buildings and Machinery
- Cost Control

Semester – IV
- Real estate marketing
- Environmental impact assessment And management
- Managerial economics & Financial analysis
- Human values & professional Ethics

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Construction Technology
- Tendering, Bidding and Contracting
- Estimation and Quantity Surveying
- Quality, Safety and Environment Management
- Construction Materials and Specifications
- Management of Public Private Partnership Projects
- Finance Management and Cost Accounting
- Arbitration, Conciliation and Dispute Resolution
- Productivity & Work Study Techniques in Construction Projects

Semester – II
- Valuation of Land, Buildings and Machinery
- Contracts and Claims Management
- Legal Framework of Construction
- Construction Management
- Risk Management and Insurance
- Project Management Systems and Techniques
- Project Formulation and Appraisal
- Real Estate Valuation, Estimation and Quantity Surveying
- Real Estate Marketing

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
ELECTRONICS & TELECOMMUNICATION ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having H.S.C. or Diploma Holder from any reputed University / Institute or Polytechnic.

Duration : 12 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Engineering Graphics
- Computer Science
- OOPS with C++
- Signals and Systems
- Basic Electrical Engineering

Semester – II
- Electronic Devices and Circuits (EDC)-I
- Electromagnetic Field Theory
- Probability and Random Variables
- Digital Electronics
- Electronic Devices and Circuits (EDC-II)
- Network Theory
- Applied Numerical Methods
- Electronic Materials and Processes

Semester – III
- Linear Integrated Circuits
- Digital Integrated Circuits
- Microprocessor and Peripherals
- Analog Communication
- Power Electronics and Drives
- Antenna and Wave Propagation

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration : 16 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Engineering Graphics
- Computer Science
- OOPS with C++
- Signals and Systems
- Basic Electrical Engineering

Semester – II
- Electronic Devices and Circuits (EDC)-I
- Electromagnetic Field Theory
- Probability and Random Variables
- Digital Electronics
- Electronic Devices and Circuits (EDC-II)
- Network Theory
- Applied Numerical Methods
- Electronic Materials and Processes

Semester – III
- Linear Integrated Circuits
- Digital Integrated Circuits
- Microprocessor and Peripherals
- Analog Communication
- Power Electronics and Drives
- Antenna and Wave Propagation
- Microwave Engineering
- Control System Engineering
- Digital Signal Processing
- Digital Communication
- VLSI

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
**ELECTRONICS & TELECOMMUNICATION ENGINEERING**

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**Post Graduate Programme**

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

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**SUBJECT COVERED**

**Semester – I**
- Electrical Measurements
- Electric circuit theory
- Electromagnetic field theory
- Analog Electronics
- Analog Communication
- Linear control system

**Semester – II**
- Signals and systems
- DC Machines
- Instrumentation for environmental engineering
- Digital Electronics
- Microprocessor
- Electric drives

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*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.

---

**E-Lecture Schedule for the month of October - 2019**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
<th>Subject</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Electronics Concepts</td>
<td>16-10-19</td>
<td>Fourier Transform</td>
<td>30-10-19</td>
</tr>
<tr>
<td>Voltage and Current Sources</td>
<td>17-10-19</td>
<td>Graph Theory; Network Functions</td>
<td>31-10-19</td>
</tr>
<tr>
<td>Two Port Networks</td>
<td>18-10-19</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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* *Subject to employer’s consent.*  
* *The lecture schedule is applicable to those students who enrolled till April 2018.*
# ELECTRICAL AND ELECTRONICS ENGINEERING

## Training Diploma Programme

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Or Diploma Holder from any reputed University / Institute or Polytechnic.

**Duration:** 12 Months

**Study Method:** Blended Learning / e Classroom Learning with Case study analysis

## SUBJECT COVERED

**Semester – I**
- Applied Mathematics - 1
- Elements of Electrical Engineering - I
- Elements of Mechanical Engineering
- Basic Computer Skills

**Semester – II**
- English Communication
- Applied Mathematics-II
- Elements of Electrical Engineering - II
- Analog Electronics
- Electrical Engineering Drafting - I

**Semester – III**
- Electrical Machines - I
- Communication Electronics
- Electrical & Electronics Measurements
- Digital Electronics
- Electrical Drafting - II & CAD

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.*

## Professional Graduate Programme

**Eligibility Criteria**
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University / Institute or Polytechnic

**Duration:** 16 Months

**Study Method:** Blended Learning / e Classroom Learning with Case study analysis

## SUBJECT COVERED

**Semester – I**
- Basic Electrical Engineering
- Environmental Science
- Engineering Mathematics
- Electronics Fundamentals
- Electrical Measurements
- Electric Circuit Theory

**Semester – II**
- Electromagnetic Field Theory
- Analog Electronics
- Signals and Systems
- DC Machines
- Digital Electronics
- Instrumentation

**Semester – III**
- Power Electronics
- Linear Control System
- Digital System Design
- Electrical Material Science
- Synchronous and Induction Machines
- Power Generation, Transmission and Distribution

**Semester – IV**
- Electric Drives
- Electrical engineering drawing
- Control System
- Microprocessor
- Artificial Intelligence
- Bio Medical Instrumentation
- Bio Medical Instrumentation

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Electrical Measurements
- Linear & Digital IC Applications
- Electrical Power Transmission Systems
- Power Electronics
- Utilization of Electrical Energy
- Modern Control Theory

Semester – II
- Reactive Power Compensation and Management
- Neural Networks & Fuzzy Systems
- Flexible A.C. Transmission Systems
- Advanced Power System Protection
- Programmable Logic Controllers
- Power Semiconductor Drives

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.

E-Lecture Schedule for the month of October - 2019

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<thead>
<tr>
<th>Subject</th>
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<th>Subject</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oscillators</td>
<td>12-10-19</td>
<td>Power Amplifiers</td>
<td>23-10-19</td>
</tr>
<tr>
<td>BJT; FET</td>
<td>14-10-19</td>
<td>Operational Amplifiers</td>
<td>24-10-19</td>
</tr>
<tr>
<td>Field Effect Transistors</td>
<td>19-10-19</td>
<td></td>
<td></td>
</tr>
</tbody>
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* The lecture schedule is applicable to those students who enrolled till April 2018.
PLASTIC ENGINEERING

Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Or Diploma Holder from any reputed University / Institute or Polytechnic.

Duration : 12 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
› Plastic Material & Application
› Plastic Processing Techniques
› Plastic Testing Techniques

Semester – II
› Fundamental of Product / Mould Design
› Design of Hydraulic and Pneumatic Systems
› Electrical & Electronics Engineering

Semester – III
› Maintenance of plastics processing machinery
› Quality Management
› Costing & Industrial Management

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration : 16 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
› Plastics Materials & Applications
› Plastis Processing Techniques
› Plastics Testing Techniques

Semester – II
› Fundamentals of Product / Mould Design
› Design of Hydraulic and Pneumatic Systems
› Electrical & Electronics Engineering

Semester – III
› Maintenance of Plastics Processing Machinery
› Quality Management
› Costing & Industrial Management

Semester – IV
› Plastics Recycling and Waste Treatment
› Environmental & Pollution in Plastic Industry
› Adhesive and Sealants

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Plastics Materials & Applications
- Plastic Moulds & Product Design
- Plastic Moulds Manufacturing Technologies
- Plastic Testing Technologies

Semester – II
- Plastic Composite Technologies
- Quality Management
- Plastics Recycling and Waste Treatment
- Plastic Waste Management

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Or Diploma Holder from any reputed University / Institute or Polytechnic.
Duration: 12 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Numerical Methods in Structure Engineering
- Pre-stressed concrete
- RCC Structure
- Structural mechanics

Semester – II
- Mechanics of deformable bodies
- Structural dynamics
- Design of industrial structures (RCC and Steel)
- Design of plates and shells

Semester – III
- Hydraulic structures
- Seismic Microzonation
- Earthquake resistant structures
- Optimization techniques

SUBJECT COVERED

Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic
Duration: 16 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Computational structural mechanics
- Pre-stressed concrete
- Advanced design of RCC structures
- Numerical Methods

Semester – II
- Mechanics of deformable bodies
- Structural dynamics
- Design of industrial structures (RCC and Steel)
- Design of plates and shells

Semester – III
- Hydraulic structures
- Seismic Microzonation
- Earthquake resistant structures
- Optimization techniques

Semester – IV
- Design of concrete bridges
- Special concrete
- Design of tall structures
- Finite element method of analysis
- Project works

SUBJECT COVERED

Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Computational structural mechanics
- Numerical Methods
- Pre-stressed concrete
- Advanced design of RCC structures
- Mechanics of deformable bodies
- Structural dynamics
- Design of industrial structures (RCC and Steel)
- Design of plates and shells
- Hydraulic Structures
- Seismic Microzonation
- Earthquake resistant structures

Semester – II
- Optimization techniques
- Design of concrete bridges
- Special concrete
- Design of tall structures
- Finite Element Method
- Project Report

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
Training Diploma Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Or Diploma Holder from any reputed University / Institute or Polytechnic.

Duration : 12 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Risk Management
- Computerized maintenance management system
- Reliability, availability & maintainability (RAM) Analysis

Semester – II
- Introduction -Fundamentals of Maintenance
- Root Cause Analysis
- Inventory and spare parts control system,
- Purchasing system
- Condition Based Maintenance

Semester – III
- Machinery Vibration Monitoring & Analysis
- Maintenance planning
- Plant Equipment maintenance

SUBJECT COVERED

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration : 16 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

Semester – I
- Risk Management
- Computerized Maintenance
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- Introduction -Fundamentals of Maintenance
- Root Cause Analysis
- Inventory and spare parts control system,
- Purchasing system
- Condition Based Maintenance

Semester – III
- Machinery Vibration Monitoring & Analysis
- Maintenance planning
- Plant Equipment maintenance

Semester – IV
- Reliability Centered maintenance
- Product lifecycle management
- Preventive & breakdown maintenance

SUBJECT COVERED

*Professional Graduate Programme in Engineering is recognized by City of Oxford College, Oxford.
**Post Graduate Programme**

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

**Duration**: 11 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

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### SUBJECT COVERED

#### Semester – I
- Introduction - Fundamentals of Maintenance
- Computerized maintenance management system
- Reliability, availability & maintainability (RAM) Analysis
- Risk Management
- Root Cause Analysis

#### Semester – II
- Inventory and spare parts control system
- Condition Based Maintenance
- Machinery Vibration Monitoring & Analysis
- Maintenance planning
- Plant Equipment maintenance
- Reliability Centered maintenance
- Product lifecycle management
- Preventive & breakdown maintenance

*Post Graduate Programme in Engineering is Jointly offered by CCESD, The Institute of Engineers (INDIA), GSC.*
Diploma in Management Studies

Eligibility Criteria
SSC + 2 Years of work experience

Duration: 12 Months

Study Method: Blended Learning / e-Classroom Learning with Case study analysis

SUBJECT COVERED

- General Management
- Specialization Paper I
- Specialization Paper II
- Specialization Paper III
- Project Study

*Diploma Programme in Management is recognized by City of Oxford College, Oxford.*
TRAINING DIPLOMA PROGRAMME

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having S.S.C. Or Diploma Holder from any reputed University / Institute or Polytechnic.

Duration: 12 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Organisation Behavior
- Operation Management
- General Management

Semester – II
- Business Communication
- Consumer Behavior
- Marketing Management

Semester – III
- Financial Management
- Specialisation-1
- Specialisation-2
- Case Study

*Training Diploma Programme in Engineering is recognized by City of Oxford College, Oxford.

PROFESSIONAL GRADUATE PROGRAMME

Eligibility Criteria
Any Professional with 2 Years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration: 16 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- General Management
- Personnel Management
- Consumer Behavior
- Business Communication

Semester – II
- Financial Accounting
- Organisation Behavior
- Quantitative Analysis
- Marketing Management

Semester – III
- E-Commerce Business Management
- Leadership and Change
- Corporate Law

Semester – IV
- Strategic Decision Making
- Service Marketing Specialization-1
- Specialization-2
- Project Study

*Professional Graduate Programme in Management is recognized by City of Oxford College, Oxford.
### Post Graduate Programme

**Eligibility Criteria**

Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

**Duration :** 11 Months  
**Study Method :** Blended Learning / e Classroom Learning with Case study analysis

#### SUBJECT COVERED

**Semester – I**
- Marketing Management
- International Management
- Finance and Economics
- Managing Organization and Change
- Foreign Exchange Management

**Semester – II**
- Strategic Management
- Technology Management
- Information Management
- Operation Management
- Human Resource Management
- Specialization I
- Specialization II
- Specialization – III
- Project Study

*Post Graduate Programme in Management is Jointly offered by UGC-HRDC, Kumaun University, Nainital.*

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### E-Lecture Schedule for the month of October - 2019

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
<th>Subject</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Principles of Communication</td>
<td>11-10-19</td>
<td>The Importance of Listening in The Workplace</td>
<td>25-10-19</td>
</tr>
<tr>
<td>Probability analysis for discrete data</td>
<td>17-10-19</td>
<td>Development, Growth and Theories</td>
<td>26-10-19</td>
</tr>
<tr>
<td>Achievement Motivation Theory</td>
<td>21-10-19</td>
<td></td>
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</tr>
</tbody>
</table>

* Classroom training will be delivered at the employer's premises.  
* Subject to employer’s consent.  
* The lecture schedule is applicable to those students who enrolled till April 2018.
POST GRADUATE PROGRAMME IN
INTERNATIONAL BUSINESS MANAGEMENT

Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- International Marketing
- Accounting Management
- Finance and Economics
- Business Information Systems
- Strategic Management

Semester – II
- Intercultural Management and Ethics
- Managing Technology
- International Financial Management
- International Business
- Global Trade Environment
- Project Study

*Post Graduate Programme in Management is Jointly offered by UGC-HRDC, Kumaun University, Nainital.

E-Lecture Schedule for the month of October - 2019

<table>
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<tr>
<th>Subject</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Book-Keeping and Accounting</td>
<td>15-10-19</td>
</tr>
<tr>
<td>Funds Flow Analysis</td>
<td>21-10-19</td>
</tr>
</tbody>
</table>

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POST GRADUATE PROGRAMME IN SCM & LOGISTICS

Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration: 11 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Organisation Behavior
- Managerial Economics
- Management Information System
- Production Management
- Marketing Management
- Human Resource Management

Semester – II
- Project Management
- Strategic Management
- International Business
- Logistic Part Management
- Purchasing & Procurement Management
- International Trade Documentation & Procedure
- Material & Store Management

*Post Graduate Programme in Management is Jointly offered by UGC-HRDC, Kumaun University, Nainital.
**POST GRADUATE PROGRAMME IN HUMAN RESOURCES MANAGEMENT**

<table>
<thead>
<tr>
<th>Post Graduate Programme</th>
</tr>
</thead>
</table>

**Eligibility Criteria**

Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

**Duration**

11 Months

**Study Method**

Blended Learning / e Classroom Learning with Case study analysis

<table>
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<tr>
<th>SUBJECT COVERED</th>
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<tbody>
<tr>
<td><strong>Semester – I</strong></td>
</tr>
<tr>
<td>Organisation Behavior</td>
</tr>
<tr>
<td>Man Power Planning and Talent Segmentation</td>
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<tr>
<td>Employee Retention</td>
</tr>
<tr>
<td>Talent Acquisition and Talent Management</td>
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<tr>
<td>Total Rewards Management</td>
</tr>
<tr>
<td><strong>Semester – II</strong></td>
</tr>
<tr>
<td>Talent Engagement</td>
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<tr>
<td>Talent Measurement and Performance Reviews</td>
</tr>
<tr>
<td>Appraisals and Motivation</td>
</tr>
<tr>
<td>Leadership Development and Growth</td>
</tr>
<tr>
<td>Effective Employee communication and using Social Media for effective reach</td>
</tr>
<tr>
<td>Effective Recruitment</td>
</tr>
<tr>
<td>Project Report</td>
</tr>
</tbody>
</table>

*Post Graduate Programme in Management is Jointly offered by UGC-HRDC, Kumaun University, Nainital.*
POST GRADUATE PROGRAMME IN BUSINESS MANAGEMENT

Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
› Organisation Behavior
› Markets and Marketing
› Economic environment of Business
› Statistics for Business
› Consumer Behavior
› Human Resource Management

Semester – II
› Operations Management
› Cost and Management Accounting
› Financial Management
› Export Management
› Corporate Law
› International Business

*Post Graduate Programme in Management is Jointly offered by UGC-HRDC, Kumaun University, Nainital.

E-Lecture Schedule for the month of October - 2019

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<td>Human Behaviour at Work— With an Emphasis on Ethics</td>
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</tr>
<tr>
<td>Book-Keeping and Accounting</td>
<td>15-10-19</td>
</tr>
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<td>Funds Flow Analysis</td>
<td>21-10-19</td>
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<tr>
<td>Export Customs practice</td>
<td>25-10-19</td>
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POST GRADUATE PROGRAMME IN
PROJECT MANAGEMENT

Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration: 11 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Project Planning and Scheduling
- Time Management and Leadership
- Supply Chain Management
- Human Resource Management
- Risk Management

Semester – II
- Quality Management
- Effecting Communication & Business Writing
- Project Management
- Safety Management System

• Post Graduate Programme in Management is Jointly offered by UGC-HRDC, Kumaun University, Nainital.

E-Lecture Schedule for the month of October - 2019

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<tr>
<td>Introduction to time management</td>
<td>16-10-19</td>
</tr>
<tr>
<td>Regulatory Framework of Insurance</td>
<td>18-10-19</td>
</tr>
<tr>
<td>Principles And Philosophies Of Quality Management</td>
<td>22-10-19</td>
</tr>
</tbody>
</table>

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POST GRADUATE PROGRAMME IN SUSTAINABILITY MANAGEMENT

**Post Graduate Programme**

**Eligibility Criteria**
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

**Duration**: 11 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

**SUBJECT COVERED**

**Semester – I**
- Basics of Sustainable Management
- Micro Sustainability
- Corporate Social Responsibility - CSR
- Sustainability Building and research
- Financial and Organization Sustainability

**Semester – II**
- Sustainability Issues and Solutions
- Sustainability Policies for the Organization
- Organization Development with Sustainability Performance
- Role of an Entrepreneur
- Global prospective on Sustainability
- Human Resources and Sustainability Management

*Post Graduate Programme in Management is Jointly offered by UGC-HRDC, Kumaun University, Nainital.*
POST GRADUATE PROGRAMME IN AVIATION MANAGEMENT

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration : 11 Months
Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

**Semester – I**
- Airline and Airport Organisation
- Introduction of Aviation
- Marketing and Sales Management
- Management Information System
- Research Methods and Project Management
- Aviation Safety and Security

**Semester – II**
- Strategic Management Indian Global Context
- Operation Management
- Quantitative Techniques
- Air Traffic Management
- Corporate Communication
- Aviation Legal Environment

*Post Graduate Programme in Management is Jointly offered by UGC-HRDC, Kumaun University, Nainital.*
POST GRADUATE PROGRAMME IN
FINANCIAL MANAGEMENT

Post Graduate Programme

Eligibility Criteria
Any Professional with 2 Years of Continuous work experience Compulsory having Graduation Holder from any reputed University / Institute.

Duration: 11 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
› Behavioral Dynamics of Capital Market
› Financial Management
› Financial Markets Regulations
› Management Accounting
› Business Policy and Environment
› Retail Banking

Semester – II
› Insurance Management
› Mergers and Acquisition
› Capital Market Instruments
› Research Methods and Data Analysis
› Portfolio Management

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E-Lecture Schedule for the month of October - 2019

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scope and Functions of Finance Managers</td>
<td>14-10-19</td>
</tr>
<tr>
<td>Retail Market Segmentation and Strategies</td>
<td>30-10-19</td>
</tr>
</tbody>
</table>

* Classroom training will be delivered at the employer’s premises.  *Subject to employer’s consent.  *The lecture schedule is applicable to those students who enrolled till April 2018.
Professional Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University / Institute or Polytechnic

Duration: 16 Months
Study Method: Blended Learning / e Classroom Learning with Case study analysis

Subject Covered

**Semester – I**
- Food Production Foundation Level
- Food & Beverage Service
- Front Office Operations
- Business Communication

**Semester – II**
- House Keeping operations
- Computer Application
- Advance food and beverage service
- Hotel information system

**Semester – III**
- Bakery and confectionary
- Hotel accounting and finance
- Food safety hygiene
- Hospitality sales and marketing

**Semester – IV**
- Hospitality law
- Tourism concept and practices
- Total Quality Management
- Project Report

*Professional Graduate Programme in Management is recognized by City of Oxford College, Oxford.*
Post Graduate Programme

Eligibility Criteria
Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

Duration : 16 Months

Study Method : Blended Learning / e Classroom Learning with Case study analysis

SUBJECT COVERED

Semester – I
- Principles of Tourism and Hotel Management
- Travel Management
- Managerial Communication
- Food Production and Beverage Service

Semester – II
- Tourism Hospitality and Marketing Management
- Human Resource management
- Food safety & Nutrition
- Customer Relationship and Service Management
- Hotel Facility Management

*Professional Graduate Programme in Management is recognized by City of Oxford College, Oxford.

E-Lecture Schedule for the month of October - 2019

<table>
<thead>
<tr>
<th>Subject</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing Environment</td>
<td>11-10-19</td>
</tr>
<tr>
<td>Market Segmentation &amp; Consumer Behaviour</td>
<td>15-10-19</td>
</tr>
<tr>
<td>Statistical Process Control And Process</td>
<td>26-10-19</td>
</tr>
</tbody>
</table>

* Classroom training will be delivered at the employer’s premises.  *Subject to employer’s consent.  *The lecture schedule is applicable to those students who enrolled till April 2018.
# Construction Management

## Post Graduate Programme

**Eligibility Criteria**

Any Professional with 2 years of continuous work experience & compulsory having HSC or Diploma from any reputed University/ Institute or Polytechnic

**Duration**: 16 Months

**Study Method**: Blended Learning / e Classroom Learning with Case study analysis

## SUBJECT COVERED

### Semester – I

- Construction Project planning and Administration
- Quantitative methods in Construction Management
- Management of quality and safety in Construction
- Construction methods and Equipment
- Construction and Contract Management
- Construction Economics and Finance
- Civil Engineering materials and Recent Advances
- Infrastructure valuation
- Human Resources Development for construction

### Semester – II

- Formwork and scaffolding design
- Remote sensing and GIS for urban planning and management
- Critical chain management
- Under water construction
- Strategic management in construction
- Earthquake resistant design of structures
- Rehabilitation and retrofitting of structures
- Building services
- Geo-Environmental Engineering

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CONTACT DETAILS FOR ENROLMENT / ENQUIRY

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GOVERNMENT INDUSTRIAL TRAINING INSTITUTE
(FOR GOVERNMENT JOINT CERTIFICATION COURSES)

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ITI Vadagam jamtha road at vadagam taluka. Dhansura dist. Aravalli
02774277300

ITI BHARUCH
Industrial Training Institute, Bharuch Near R.t.o. office, N.h.no-8 At Po Vadadla Ta-dist Bharuch

ITI MODASA (MAHILA)
Industrial Training Institute, Malpur Road, Modasa, Dist: Sabarkantha

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UGC-HRDC
Industrial Training Institute
CCSOU
MILESTONE
HR
HISPANIA
EADL