Central Board of Irrigation and Power  
(More than 9 decades of Service to the Nation in Power Sector) 
(Grade A, Category-1 Institute Accredited by MoP, Govt. of India)  
CBIP Centre of Excellence, Plot No.-21, Sector-32, Gurgaon

5 Weeks Internship Program (Virtual Mode) With Certification 
On 
POWER GENERATION, TRANSMISSION & DISTRIBUTION WITH GREEN ENERGY AND OTHER TECHNOLOGICAL INTERFACES LIKE AUTOMATION (SCADA / DMS), SMART GRID / MICRO GRID, SMART METER, HOME AUTOMATION WITH AI & ML / IOT AND OTHER.  
Commencing from 24th June 2022

WHY YOU SHOULD JOIN CBIP
- Concept of Engineering and design drawing with software.
- Concept of preparing complete estimation with BOM and Teach specification.
- Bid preparation/ tender evaluation.
- Contract document.
- Procurement/supply chain management.
- Project construction management with MS Project premiere software.
- Overall scenario of Power/ Energy at National and International level.
- Conventional Power and its accessories
- Non- Conventional Power and its accessories; Renewable / Green Energy.
- Smart Grid, Automation for Power Utility, SCADA / DMS, Micro Grid, Smart Meter, AI & ML, IOT , Data Engineering.
- Transmission and Distribution Systems
- Control & Protection of Transmission and Distribution Networks/Substation

PROGRAM MODULE DETAILS
1. Power Generation Overview and Power Generation-
2. Conventional Power Generation, Boiler, Turbine and their Auxiliaries-
   Introduction to Steam Generation & Steam Cycle Theory, Description of Water Tube Boiler, Boiler Circulation Theory, Generator – Working Principle & Construction Details, Overview of Steam Turbine. Draft System and Fans; Coal Milling Plant; Coal Milling Plant; Air Preheating Arrangement; Emission Control System- Flue Gas Cleaning, Dust Suppression System and ESP; Regenerative Feed Water Heating System, De-aeration and HP/LP FW Heaters; Condenser and CW System with Concept of Turbine Vacuum System; Turbine Lube Oil System; CEP, BFP and Booster Pumps; DM Water Treatment and Service Water System.
3. Electrical Equipment of Thermal Power Plant-
4. Alternative Sources of Power Generation-
5. Transmission and Distribution Systems-
6. Control & Protection-
   T & D Networks/ Substation Protection and its Philosophy. Relay Coordination studies, Relay setting, Configuration and Software
7. Smart Technologies-
   Smart Grid, Automation for Power Utility, SCADA / DMS, Micro Grid, Smart Meter, AI & ML, IOT , Data Engineering.
8. Utilities-
   Discom, Distribution systems overview, Planning, Design, Operation & Maintenance. Roles and Responsibilities upto 66kV

IMPORTANT POINTS

ELIGIBILITY:  2nd year/ 3rd year/ 4th year Engineering students in Electrical/ Electrical and Electronics/ Power/ Mechanical/ Civil Engineering from Premier Universities/ Institutes with minimum 60% marks.

COURSE FEES: Rs. 10,000

For Registration, Brochure and more details of the Program, please refer to our website www.cbip.org and contact our CBIP Official with following details.

ADDRESS FOR CORRESPONDENCE:
CBIP, Centre of Excellence, Plot No. 21, SECTOR-32, Gurugram-122001.
Contact Person- Sh. Manas Bandyopadhyay
Mob- 9871303367, Email ID- manasbandyopadhyay@cbip.org.

BANK DETAILS IN CASE OF E-TRANSFER

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<tr>
<th>Beneficiary Name</th>
<th>Central Board of Irrigation &amp; Power</th>
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<tr>
<td>GST No.</td>
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TRANSFER

Branch: IOBA0002367
Beneficiary Name: Central Board of Irrigation and Power
Funding Agency: Ministry of Power
Funding Code: 2367

GST Details:
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PAN No.: AAAJC0237F

Beneficiary Name: Central Board of Irrigation and Power
Funding Agency: Ministry of Power
Funding Code: 2367

GST Details:
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