

**REPORT ON ADD ON / CERTIFICATE PROGRAMS OTHER THAN ONLINE COURSES: ELECTRICAL DEPARTMENT (2015-16)**

<b>Name of Add on /Certificate programs offered</b>	<b>External/ In-House</b>	<b>No. of times offered during the year</b>	<b>Number (students enrolled)</b>	<b>Number of Students (completed)</b>	<b>Course Outcome</b>
Educance Training	External Training	1	13	13	•Able to develop IoT based project. • Able to design Embedded systems
Power Converter Design, MATLAB	In-house training	1	41	41	•Able to develop power converter project. •Able to Simulate power converter circuits.
PLC/SCADA	In-house training	1	40	40	•Programmable Logic Controller (PLC) • Supervisory Control & Data Acquisition • Industrial Control Panel (Designing & Maintenance)
Power System Design	In-house training	1	49	49	•Able to design Power System basic transmission line Simulations • Power System protection simulations
Panel Designing and wiring	In-house training	1	38	38	• Able to develop basic electrical drawing •Able to design basic electrical panel wiring

TECHNO HUDA NUR INSTITUTE OF TECHNOLOGY

# REPORT ON ADD ON / CERTIFICATE PROGRAMS OTHER THAN ONLINE COURSES: ELECTRICAL DEPARTMENT (2016-17)

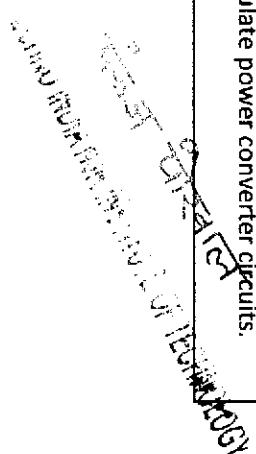
Name of Add on /Certificate programs offered	External/ In-House	No. of times offered during the year	Number (students enrolled)	Number of Students (completed)	Course Outcome
Cranes Software International Limited, Bangalore Training on Prog In C & DS / Linux System Prg.	External Training	1	2	2	<ul style="list-style-type: none"> <li>• Able to develop codes for embedded systems</li> <li>• Able to develop IDE for Embedded systems</li> </ul>
Cranes Software International Limited, Bangalore Training on Matlab & Embedded	External Training	1	2	2	<ul style="list-style-type: none"> <li>• Able to design Embedded systems • Able to basic codes for MATLAB</li> </ul>
RRVNL	External Training	1	49	10	<ul style="list-style-type: none"> <li>• Able to understand all types of electrical grid</li> <li>• Able to understand basic working of electrical grid system and transmission parameter</li> </ul>
Power Converter Design, MATLAB	In-house training	1	25	25	<ul style="list-style-type: none"> <li>• Able to develop power converter project.</li> <li>• Able to Simulate power converter circuits.</li> </ul>
PLC/SCADA	In-house training	1	41	41	<ul style="list-style-type: none"> <li>• Programmable Logic Controller (PLC) • Supervisory Control &amp; Data Acquisition • Industrial Control Panel (Designing &amp; Maintenance)</li> </ul>
Power System Design	In-house training	1	40	40	<ul style="list-style-type: none"> <li>• Able to design Power System basic transmission line Simulations • Power System protection simulations</li> </ul>
Control System Design	In-house training	1	49	49	<ul style="list-style-type: none"> <li>• Able to develop basic electrical drawing • Able to design basic electrical panel wiring</li> </ul>

DR. S. S. CHITRAKANTH

TECHNO EDUCATION INSTITUTE OF TECHNOLOGY

**REPORT ON ADD ON / CERTIFICATE PROGRAMS OTHER THAN ONLINE COURSES: ELECTRICAL DEPARTMENT (2017-18)**

Name of Add on /Certificate programs offered	External/ In-House	No. of times offered	Number of students	Number of Students	Course Outcome
Bharat Sanchar Nigam Limited	External Training	1	4	4	<ul style="list-style-type: none"> <li>• Provide understanding of operation of industrial systems</li> <li>• To provide opportunity for interaction with industry experts for practical knowledge</li> </ul>
CSIR - Central Electronics Engineering Research Institute	External Training	1	1	1	<ul style="list-style-type: none"> <li>• Able to develop IoT based project. • Able to design Embedded systems</li> </ul>
KTPS- Kota Super Thermal Power Station	External Training	1	2	2	<ul style="list-style-type: none"> <li>• Able to describe the power generation process and Transmission systems • Industrial exposure from industrial experts</li> </ul>
Cranes Software International Limited, Bangalore Training on Matlab & Embedded	Cranes Varsity	1	1	1	<ul style="list-style-type: none"> <li>• Able to design Embedded systems • Able to basic codes for MATLAB</li> </ul>
Kalisindh Thermal Power Project	External Training	1	3	3	<ul style="list-style-type: none"> <li>• Able to describe the power generation process and Transmission systems • Industrial exposure from industrial experts</li> </ul>
MERC: Basic Automation Training	External Training	1	3	3	<ul style="list-style-type: none"> <li>• Programmable Logic Controller (PLC) • Supervisory Control &amp; Data Acquisition</li> <li>• Variable Frequency Drive (VFD) • Human Machine Interface (HMI) • Industrial Control Panel (Designing &amp; Maintenance)</li> </ul>
Pyrotech Electronics Private Limited	External Training	1	2	2	<ul style="list-style-type: none"> <li>• Able to describe the production of various sensors and electronics circuits. • Industrial exposure from industrial experts</li> </ul>
Tempens Instruments India Private Limited	External Training	1	2	2	<ul style="list-style-type: none"> <li>• Able to describe the production of various sensors and electronics circuits. • Industrial exposure from industrial experts</li> </ul>
Power Converter Design, MATLAB	In-house training	1	14	14	<ul style="list-style-type: none"> <li>• Able to develop power converter project.</li> <li>• Able to Simulate power converter circuits.</li> </ul>



  
 Anna University, Chennai

PLC/SCADA	In-house training	1	25	25	<ul style="list-style-type: none"> <li>• Programmable Logic Controller (PLC)</li> <li>• Supervisory Control &amp; Data Acquisition</li> <li>• Industrial Control Panel (Designing &amp; Maintenance)</li> </ul>
Power System Design	In-house training	1	41	41	<ul style="list-style-type: none"> <li>• Able to design Power System basic transmission line Simulations</li> <li>• Power System protection simulations</li> </ul>
Protection of Power System Simulation using PSCAD	In-house training	1	40	40	<ul style="list-style-type: none"> <li>• Able to develop basic electrical drawing</li> <li>• Able to design basic electrical panel wiring</li> </ul>

TECHNO INDIA NRI INSTITUTE OF TECHNOLOGY

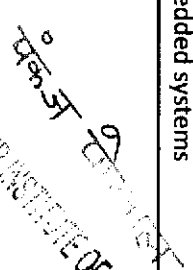
**REPORT ON ADD ON / CERTIFICATE PROGRAMS OTHER THAN ONLINE COURSES: ELECTRICAL DEPARTMENT (2018-19)**

Name of Add on /Certificate programs offered	External/ In-House	No. of times offered	Number (students enrolled)	Number of Students (completed)	Course Outcome
Cranes Software International Limited, Bangalore Training on Prog In C & DS / Linux System Prg.	Cranes Varsity	1	3	3	<ul style="list-style-type: none"> <li>• Able to develop codes for embedded systems • Able to develop IDE for Embedded systems</li> </ul>
Thermax Limited	External Training	2	3	3	<ul style="list-style-type: none"> <li>Understanding of Basic power plant engineering, Working of Rankine cycle in actual power plant . • Types of boiler, accessories and mounting • Coal &amp; Ash handling power plant • Water treatment plant, water to steam path, Auxiliary cooling Water pump system • Electrical calculations of generations • Turbine startup (permissive and protection) • Process &amp; instrumentation diagram, Heat mass balance diagram, Turbine Lube Oil System, Key performance &amp; index • Safety and Environment</li> </ul>
Power Converter Design, MATLAB	In-house training	1	7	7	<ul style="list-style-type: none"> <li>• Able to develop power converter project. • Able to Simulate power converter circuits.</li> </ul>
PLC/SCADA	In-house training	1	14	14	<ul style="list-style-type: none"> <li>• Programmable Logic Controller (PLC) • Supervisory Control &amp; Data Acquisition • Industrial Control Panel (Designing &amp; Maintenance)</li> </ul>
Power System Design	In-house training	1	25	25	<ul style="list-style-type: none"> <li>• Able to design Power System basic transmission line Simulations • Power System protection simulations</li> </ul>
Power System design PSCAD Simulation	In-house training	1	41	41	<ul style="list-style-type: none"> <li>• Able to develop basic electrical drawing • Able to design basic electrical panel wiring</li> </ul>

  
 Techno India North India Institute of Technology

**REPORT ON ADD ON / CERTIFICATE PROGRAMS OTHER THAN ONLINE COURSES: ELECTRICAL DEPARTMENT (2019-20)**

Name of Add on /Certificate programs offered	External/ In-House	No. of times	Number of students enrolled)	Number of Students (completed)	Course Outcome
MERC: Basic Automation Training	External Training	1	7	7	Programmable Logic Controller (PLC) • Supervisory Control & Data Acquisition • Variable Frequency Drive (VFD) • Human Machine Interface (HMI) • Industrial Control Panel (Designing & Maintenance)
MERC: Basic Automation Training	External Training	1	2	2	Programmable Logic Controller (PLC) • Supervisory Control & Data Acquisition • Variable Frequency Drive (VFD) • Human Machine Interface (HMI) • Industrial Control Panel (Designing & Maintenance).
GRRAS Solutions, Linux Training	External Training	1	7	7	• Able to develop codes for embedded systems • Able to develop IDE for Embedded systems
GRRAS Solutions, Linux Training	External Training	1	4	4	• Able to develop codes for embedded systems • Able to develop IDE for Embedded systems

  
 Head of Department  
 TECHNO INDIA INSTITUTE OF TECHNOLOGY