



**One Week Short Term Training Programme (STTP)
On
“Challenges in Smart Grid Environment
Using IoT”
24th September to 30th September, 2021**

Registration Form

NB: There will be no Registration fee as the STTP is funded by AICTE.

1. Name of the Applicant:
(Block Letters)
2. Designation:
3. Organization:
4. Gender: (M/F):
5. Educational Qualifications:
6. Address for Correspondence:
.....
.....
7. E-mail:
8. Telephone No:

**Place:
Date:**

Note: Participants are instructed to submit the Google form, along with the scanned copy of Registration form with full details in PDF format before the last date of registration.

Signature of the Participant

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Mrs. Smitarani Panigrahi, Chairperson Trident Group of Institutions

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Prof (Dr.) M.N Dwibedi, Principal, TAT, Bhubaneswar

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**AICTE Sponsored One Week Online
Short Term Training Programme (STTP)**

ON
“Challenges in Smart Grid Environment Using IoT”
24th September to 30th September, 2021



Sponsored by
AICTE, New Delhi-110070
Organized by
Department of Electrical and Electronics
Engineering
Trident Academy of Technology (TAT)



Accredited by



**Plot No. F2/A, Chandaka Industrial Estate,
Near Infocity, Bhubaneswar-751024**
www.tat.ac.in



About the STTP

Cities nowadays face complex challenges to meet objectives regarding socio-economic development and quality of life. The concept of “smart cities” has attracted considerable attention in the context of urban development policies. Smart city is the one that uses information and communications technologies (ICTs) to make the city services and monitoring more aware, interactive and efficient. Smartness of a city is driven and enabled techno-logically by the emergent Internet of Things (IoT) a radical evolution of the current Internet into a ubiquitous network of interconnected objects that not only harvests information from the environments (sensing) and interacts with the physical world (actuation/command/control), but also uses existing Internet standards to provide services for information transfer, analytics, and applications. Cognitive technologies make it possible to make sense of vast amounts of IoT data to better understand what’s happening more deeply. Infusing intelligence into systems and processes can help the participants to increase efficiency, improve customer satisfaction, uncover new business opportunities, and mitigate risks and threats proactively.

Topics to be Covered

- ❖ Introduction of HIL Technology (Simulation, Real-time Simulation and HIL Simulation)
- ❖ Modelling & Simulation of: Single-Phase Inverter with R load.
- ❖ Closed Loop Control of Induction Motor Drive.
- ❖ PMSM Closed Loop SVPWM Control
- ❖ IEEE 4 Node Test Feeder.
- ❖ Grid Connected Converter
- ❖ Simulation of: Back-to-Back converter DFIG for Wind Energy System

Resource Persons

This program will be carried out by eminent professors from different academic institutions, industry talks and hands on sessions by industry experts on TYPHOON-HIL

ELIGIBILITY

- ❖ Faculty members and research scholars working in the same field from different AICTE approved Engineering institutions are invited to the STTP.
- ❖ This program is based on **first come and first serve basis**.

REGISTRATION

- ❖ Applications in the specified format duly recommended /sponsored by the principal and the sponsorship certificate should reach the convener on or before 23th September, 2021
- ❖ The interested participants can also register for the STTP by filling up the registration form and sending us back the scanned copy of the same duly approved by the authority to the mail id: ceesttp2021@tat.ac.in.

Registration Link

<https://forms.gle/q5AXxhBbgBW8CmjA8>

- ❖ **No registration fee** shall be charged.
- IMPORTANT DATES**
- ❖ Programme commencement: **24th September 2021**
- ❖ Programme Duration: **One week**
- ❖ Last date of receipt of Registration Form: **23rd September, 2021 by 5 PM.**
- ❖ Intimation to candidates: **23th September, 2021**

QR Code



About The Institution

Trident Academy of Technology, a name that has become a brand in the field of technical education, is today synonymous with excellence. Trident is where Education meets Enthusiasm. Within just a few years of its establishment, Trident Academy of Technology has built an image amongst the aspiring masses which is worth the quality of education it imparts. Trident Academy of Technology offers the kind of education needed for leadership in a rapidly changing world and accredited by NAAC and NBA. Its departments – Department of Electrical and Electronics Engineering, Department of Computer Science and Engineering, Department of Computer Science and Technology, Department of Electronics and Telecommunication Engineering, Department of Mechanical Engineering, Department of Civil Engineering – offer a breadth of highly regarded M.Tech /B.Tech/M.B.A./M.C.A. degree programs under Biju Patnaik University of Technology that allow students the freedom to explore their intellectual and personal passions.

About The Department

The Department was established in the year 2005. The students are actively engaged in innovative thinking and ideation on problems, academic challenges and new domains of knowledge through innovation development cell funded by DST. Apart from regular classroom delivery on academic curricula as per BPUT guidelines, the department emphasizes on “Learn with Fun” approach to nurture their intellectual, technological and personal skill development by involving the students through varieties of technical and intellectual clubs, and professional chapters like IEEE, IET, IETE and ISTE. There is also practical exposure to the student through an EPC firm named Inland Engineers.