

Two Day Workshop

on

Typhoon HIL's Hardware in the Loop Simulation Technology in Electrical Engineering

7th & 8th November 2019

REGISTRATION FORM

Name:

Designation:

Department:

Educational Qualifications:

Institution:

Affiliating University:

Address for Communication:
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Phone:

Mobile: Fax:

E-mail ID:

Place: -----Signature:-----

Date: -----

Chief Patrons:

**Dr. P. Rajeshwar Reddy, MLC & Govt. Whip, TS
Chairman, AGI.**

Ms. P. Neelima, Secretary & Correspondent, AGI

Patrons:

Dr. K.S. Rao, Director. AGI

Dr. R. Somanatham, Advisor

Chief Coordinator:

Dr. T. Anil Kumar, Professor & Head

Ph No: 9989372551, 7095669666

Workshop Coordinators:

Dr. G. Venu Madhav, Professor

Ph No: 9848749953

Mr. MD. Yaseen, Assistant. Professor

Ph No: 9866432512

Organizing Committee:

Ms. Dr. C. Nagamani, Associate Professor

Mr. Ch. Srinivasa Rao, Associate Professor

Mrs. S. Saraswathi, Associate. Professor

Mrs. S. Mamatha, Associate Professor

Mr. K. Bhadraraj, Assistant. Professor

Mr. B. Nageswara Rao, Assistant. Professor

Mr. B. Chandra Sekhar Reddy, Asst. Professor

Mr. M. Srikar, Assistant. Professor

Mr. T. Dinesh, Assistant. Professor

Mr. I. Vijaya Kumar, Assistant. Professor

Mr. D.Krishna, Assistant. Professor

Mr. M. Lalu, Assistant Professor

Mr. G. Venu, Assistant. Professor

Mr. A. Naveen Kumar, Assistant. Professor

Mr. K. Rakesh, Assistant. Professor

Mr. K. Vasu, Assistant. Professor

Mr. K. Sateesh Kumar, Assistant. Professor

Mrs. A. Ajitha, Assistant. Professor



Typhoon HIL

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7th & 8th November 2019

Organized By

Department of

Electrical & Electronics Engineering



ANURAG GROUP OF INSTITUTIONS

(Formerly CVSR College of Engineering)

Autonomous Institution - Accredited by NAAC

with 'A' Grade & NBA, Affiliated to JNTUH

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About the Institution



AGI established in 2002, has evolved into one of the top institutions of Telangana and is well reputed for its pursuit of excellence by providing world class education. Under the leadership of Founder and Chairman, Dr. Palla Rajeshwar Reddy (MLC, Whip in Govt. of Telangana), the institution has grown phenomenally and now offers a total of 10 UG and 13 PG programs in the fields of Engineering, Pharmacy and Business Management. Sprawling over more than 50 acres, with lush green and avant-garde infrastructure, AGI provides an exciting academic environment, with more than 400 dedicated faculty members including 87 Doctorates, training our students to become truly Global Engineers. AGI Ranked 169 in NIRF ranking given by MHRD in 2018-2019. AGI implements Outcome Based Education techniques and blended pedagogy to help the students, navigate the rapidly changing landscape of modern-day technological world. As success of the students is the only measurable metric in the quality of education given here, AGI boasts of a whopping 900+ placements in 2018-19 academic year.

Department of EEE

The Department of Electrical & Electronics Engineering established in 2002. The present intake of the department in UG level is 120. We have Power Electronics and Electrical Drives (PEED) PG specialization with an intake of 36 students. A period of 15 years the department has been a hive of academic activity and instrumental in creating successful careers for many students. The department had well equipped laboratories with sophisticated lab equipment. Consistent growth was witnessed in development and consequently the Department was accredited by NBA in 2008 and reaccredited by NBA in 2017. The infrastructure facilities are world class and the students have exposed to the latest technologies and industry environment by offering internship to bridge the gap between industry and academics. The department has strong industry interaction and MoU's with 30 core industries. The environment of the Department encourages the students to think innovatively and develop technological solutions to the society concern problems. Being known as the mother of all engineering courses, EEE offers a wide range of career choices in core technologies to software industry. If your heart is in Electrical and Electronics Engineering this is the place of your choice to become ever green global engineer.

About the Workshop:

This workshop aims to provide hands-on experience on the Hardware in the Loop (HIL) Emulator & Software. The participants will have an exposure to the energy applications (smart grid, renewable energy and distributed generation, electric vehicles, electrification of vessels and off shore installations, etc.). The workshop includes practice sessions on the HIL real-time simulation, direct REAL TIME execution on the FPGA, interface to connect real converter and Micro Grid controllers.

DAY 1	
Session 1 09:30 AM to 11:00 AM	Introduction of Typhoon HIL Technology Simulation, Real-time Simulation, Hardware-in-the-Loop Simulation Modeling Principles: System Architecture Basics, Electrical Domain Modeling Principles and Constraints Signal Processing Modeling Principles
Session 2 11:15 AM to 01:00PM	Schematic Editor: This Schematic Editor allows you to create high-fidelity models of the power stage for your real-time simulations.
Session 3 02:00 PM to 03:30 PM	HIL SCADA allows you to interact with the real-time simulation of the model you created in Schematic Editor. To empower you to use HIL SCADA to its full potential, this section first provides detailed explanations of all window elements contained in HIL SCADA.
Session 4 03:45 PM to 05:30 PM	Introduction to Typhoon HIL Test Suite: Monitoring and Controlling with HIL SCADA (Example)
DAY 2	
Session 1 09:30 AM to 11:00 AM	Quick Revision and Queries. Demonstration of Area Specific Examples.
Session 2 11:15 AM to 01:00 PM	Hands on Practice with examples related to Power System
Session 3 02:00 PM to 03:30 PM	Hands-on experience with an example related to Power Electronics and Drives.
Session 4 03:45 PM to 05:30 PM	Hands-on experience with an example related to Control System. (Python Programming in Test-Script tool.) Queries and word of thanks

About the Company:

Typhoon HIL Inc. is the technology leader in the rapidly-growing field of ultra-high-fidelity controller-Hardware-in-the-Loop(C-HIL) simulation for power electronics, micro grids, and distribution networks. We provide industry-proven, vertically integrated test solutions along with highest-quality customer support. The company was founded in 2008 and since then has been creating products distinguished by the ultimate ease of use, unrivaled performance, leading-edge technology, and affordability.

Resource Persons:

Resources Persons from Typhoon HIL's Power System Company.

Important Dates:

Last date of Registration: 4th November 2019

Participation Confirmation: 5th November 2019

Workshop Dates: 7th & 8th November 2019

E-Mail Id to which Registration Forms are to be sent

The soft copy of the Registration Forms shall be sent to: hodeee@cvsr.ac.in

Registration Form Link:

<https://docs.google.com/forms/d/1nfETxCYZ3N1Gw22CbNiYYfPfgiDb3efLz6EUlpQ2t0w/edit>

Note: Number of Registrations limited to 40 seats

Registration Fee:

Industry Delegates: 1000 INR

Academicians: 500 INR

Research Scholars/PG Students: 500 INR

Mode of Payment of Registration Fee:

Both online and offline mode registrations (Registration includes Registration Kit, Certificate, Lunch and Snacks) are allowed.

For offline mode enclosed crossed Demand Draft drawn on any Nationalized Bank in Favor of: "Anurag Group of Institutions", Payable at Hyderabad.

For Online mode, Bank name & address: SBI, Ghatkesar, A/C No.: 62289105582, IFSC Code: SBIN0020450.

For further details please visit: www.anurag.edu.in

Location Map:

