



टीएचडीसी इंडिया लिमिटेड
THDC INDIA LIMITED

iHUB DivyaSampark

WRD&M Dept. and CFSE, IIT Roorkee in Support of iHub DivyaSampark and THDC India Limited Organize:

Power System Cybersecurity Hackathon: Protecting the Backbone of Modern Society

14th-15th October, 2024

Join us in a thrilling cyber-security hackathon focused on safeguarding critical infrastructures including electrical power systems, dam control management system and power generation plants (including hydropower) from emerging cyber threats. This event is designed for engineering graduates, postgraduates, doctoral students and industry personnel passionate about solving real-world challenges in the energy sector. Participants will tackle innovative problems related to attack detection algorithms and controller design for cyber-attack mitigation, using platforms like MATLAB, Simulink, Python, etc. The initial problem-solving round (phase-1) will be conducted online, with the top teams advancing to a live demonstration at the main event for phase-2. Compete for cash prizes and the opportunity to contribute to a safer, more resilient energy future!

Important Dates:

- Registration with proposal from 1st to 12th September 2024
- Shortlisting of proposals for phase-1 on 15th September 2024
- Online submission of implemented solutions till 28th September 2024
- Selection intimation for presentation round (phase-2) on 3rd October 2024
- Demonstration at the venue and award distribution during 14th – 15th October 2024

Venue:

- Phase-1 : Online
- Phase-2: Department of WRD&M, IIT Roorkee-247667, Uttarakhand

Guidelines:

- Registration is free and open to all, with no specific qualifications required.
- Participants can register individually or as part of a team. A team can have a maximum of 4 members.
- During registration, participants must specify their problem and submit a 1–2-page proposal outlining their approach.
- Once registration is complete, no additional team members can be added.
- Shortlisted candidates (Phase-1) will be notified through mail.
- Submission must include relevant files, such as Simulink models, code files, and documentation. There are no restrictions on the programming languages or software tools that can be used.
- Shortlisted candidates (Phase-2) will be notified via email. Accommodation and mess facilities will be provided to the shortlisted candidates, from 13th to 15th October 2024.
- After assessment of demonstrations by technical committee, prizes will be distributed.
- Winners must be present at the prize distribution ceremony to claim their award.
- Participants should adhere to the timeline and deadlines provided for each phase of the Hackathon.
- Teams are expected to work independently and maintain the integrity of their work. Any form of plagiarism or unethical behavior will lead to disqualification.
- All participants must adhere to the code of conduct and respect the decisions made by the organizing committee.
- Participants are encouraged to reach out to the organizing committee throughout the Hackathon for any technical discussions and queries.

Attractions

- Total prize money of Rs. 1 Lac for winners of best solutions
- Certificate of participation
- Industrial Visit
- Merchandise

For phase-2 selected teams only

Who Can Participate:

- Open for all UG, PG, PhD and Post-doctoral candidates
- Industry professionals

Scan to Register



Or click on weblink below:

<https://forms.gle/7pgR743tgPg3xYM89>

Organizing Labs:

- Hydropower Simulation (HSL) Lab
- Power Electronics and Hydro Electric Machines (PEHEM) Lab

Coordinators:

- Prof. Thanga Raj Chelliah
WRD&M Dept. and CFSE
- Prof. Premalata Jena
Elect. Engg. Dept. and CFSE
- Prof. Abdul Saleem Mir
Elect. Engg. Dept.

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Lab Annual Reports: [HSL](#) | [PEHEM](#)