

### Faculty Development Program (FDP) Execution Structure & Schedule

#### Highlights

- **Electronics & ICT Academy IIT Roorkee (E&ICT IITR)**, supported by **MeitY**, Govt. of India.
- Focuses on Faculty Development Programs for institutes and colleges across States and UTs through targeted training sessions.
- All the FDP programs are **financially supported by E&ICT Academy** IIT Roorkee.
- Organize **offline/hybrid FDPs** and short courses **with flexible delivery options** (evenings, weekends, weekdays).
- E&ICT IITR has organised over 250+ courses and benefited more than 17,000 individuals.
- Chief Investigator/P.I. **Prof. Sanjeev Manhas** (ECE, IIT Roorkee)



#### Collaboration

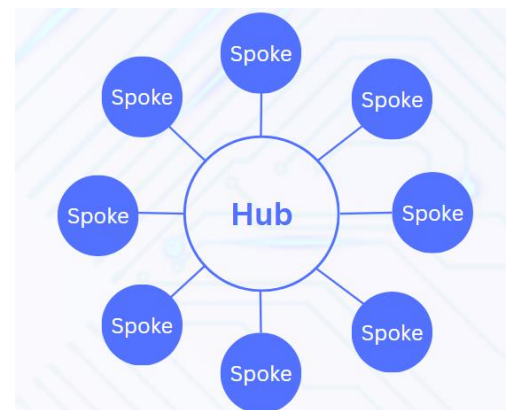
In order to conduct FDPs, EICT Academy IIT Roorkee will **sign MoUs** with participating Institutes.

- **The certificates awarded by E&ICT Academy IIT Roorkee in the FDPs are on par with those issued by AICTE & other QIP programs**
- **These certificates can be used to support accreditation and other requirements for faculty & institutions related to NBA and NAAC.**



#### Implementation of Hub and spoke model.

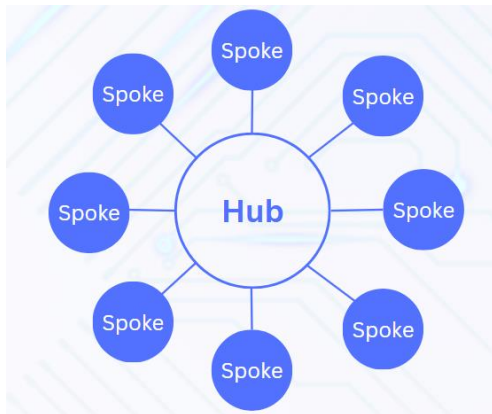
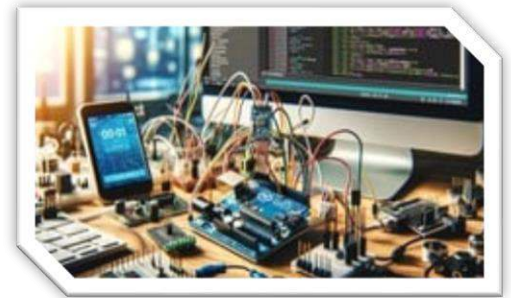
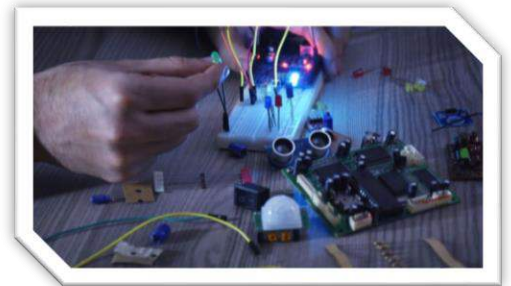
- The Faculty Development Programs (FDPs) will be organized using a hub-and-spoke model to maximize reach and efficiency.
- E&ICT IIT Roorkee will establish **hubs in various nodal city** institutes to extend expertise and resources to **spoke institutions in tier-2 and tier-3 cities.**
- **Hub can be Institute in your city** while **spokes can be any institute across India**
- The hub will host and conduct FDP at its institute while the spokes will join online with the hub.
- **Content Delivery:** The main instructional content will be delivered from the central 'hub' through an online mode, ensuring seamless connectivity with multiple 'spoke' institutions. This setup allows participants from various locations to join live, expert-led sessions and demonstrations in real time.
- **Practical Hands-on Sessions:** Hands-on practical sessions will be conducted at both the hub and spoke institutions for interactive, experiential learning. Local experts at each site will assist participants with exercises, case studies, and skill application.
- **Hub Coordinator:** The hub Coordinator in contact with the EICT Academy team (C.I.) will coordinate with spoke institutions to align with the delivery of hands-on ensuring sufficient participants at the spoke center. Regular interactions between the EICT hub and spoke experts will ensure consistent content delivery and implementation.



### FDP Duration and Session Breakdown

The Faculty Development Program (FDP) offers a comprehensive learning experience with lectures, hands-on and pedagogy/industry sessions as follows: -

- **Theoretical Lectures (15 hours):** These sessions will cover core concepts, methodologies, and essential knowledge related to the FDP's focus. Expert-led lectures aim to bridge industry and academic perspectives, enhancing faculty understanding of current trends and applications.
- **Hands-On Practical Sessions (15 hours):** Practical sessions offer experiential learning, allowing participants to apply theory in real-world scenarios. These include guided hands-on, simulations, and interactive tasks at both hub and spoke institutes, supported by experts from academia/industry.
- **Industry/ Pedagogy & Teaching sessions (10 hours):** This time allocation includes sessions like the inauguration, industry talks, pedagogy training, and teaching. Industry & Academic experts will share insights on effective teaching practices, industry expectations, and integrating pedagogy with practical skills.



### Working of Hub & Spoke

The hub coordinator along with E&ICT Academy IIT Roorkee will establish a network of spoke centers, ensuring a maximum number of participants match those at the hub. **For each successful connection, the coordinator will receive an extra honorarium.** Responsibilities include coordinating with spoke centers, facilitating lectures and hands-on sessions, and maintaining communication with spoke coordinators to ensure consistent learning. At each spoke center, the local coordinator will ensure the effective execution of hands-on sessions with the support of Teaching Assistants (TAs), facilitating a cohesive and impactful learning experience for all participants.



Connected (Online/NKN)



- **Hub:** - Organize Lecture/Pedagogy/Industry sessions
- Conduct hands-on lab training for local participants at the institute.

- **Spoke:** - Host/Conduct online/NKN Lecture/Pedagogy/Industry sessions streaming from the hub institute.
- Conduct hands-on lab training for local participants at the institute.

### Benefits of Collaboration's with E&ICT Academy, IITR

1. Certificate of the FDP.
2. Financial Support (The FDP programs are **financially supported** by E&ICT Academy IIT Roorkee)
3. The honorariums for course coordinator, experts, TA, Lab facility, and Institute/Dept. Head will be provided (will be shared along with MoU/agreement).

### Sample certificate of the FDP

