

**Ph.D. Admission in I Semester 2022 – 2023****1. Department plan to admit student under:**

- a. **Full Time students:** Candidates will devote full-time on PhD work.
- b. **Part-time Students:** Candidates working in organizations will be admitted under this scheme. Students will have to complete required course work similar to full-time students as specified by the Department Research Committee (DRC). They will not be entitled for any assistantship from the Institute.

**2. Eligibility for admission**

- a. **Essential Input criteria:** As per Ph.D advertisement given in general information link
- b. **Shortlisting criteria for department:**

Full time	Part time
<ul style="list-style-type: none"> <li>● M.E./M.Tech/MS in relevant areas (only interview for admission)</li> <li>● A candidate must have 60% (or CGPA 6.0/10) during UG &amp; PG programmes</li> <li>● Openings are available in the selected areas (as mentioned in the below table) only</li> <li>● Calling for interview will be at the discretion of the Department Research Committee</li> </ul>	<ul style="list-style-type: none"> <li>● M.E./M.Tech/MS in relevant areas (only interview for admission)</li> <li>● A candidate must have 60% (or CGPA 6.0/10) during UG &amp; PG programmes</li> <li>● Openings are available in the selected areas (as mentioned in the below table) only</li> <li>● Calling for interview will be at the discretion of the Department Research Committee</li> </ul>

In the rare case, the department will consider candidates with only a BTech degree from a EEE stream having a minimum of 65% (or CGPA 6.5/10) and of high professional standing and proven competence with a good research background. Such candidates will have to take up a written exam in addition to the regular interview and mandatorily satisfy all institute stipulated requirements if selected for the PhD program.

**3. Area(s) of PhD admission in the I Semester 2022-23** (Interested candidates are encouraged to apply in the areas marked as ✓ below for PhD admissions )

Area	Full-Time (Institute / Project sponsored)	Full-Time(Externally sponsored– eg CSIR / UGC)	Part- Time
Power Systems & Power Electronics/ Power System Protection	✓	✓	✓
High Voltage Engineering		✓	
Optical Communication, Optical MEMS/ Silicon Photonics and Photonic Integrated Circuits	✓	✓	✓
Broadband Wireless Networks (4G/5G) /Communications/Signal Processing for Communications	✓	✓	
Antenna/RF and Microwave Engineering		✓	
MEMS / Microfluidics / Nanoelectronics / Supercapacitors and Vehicles/Nanomaterials	✓	✓	
VLSI Circuits and Systems/ VLSI Architecture /	✓	✓	✓
VLSI Architecture for Cryptography and Hardware Security	✓	✓	
Sensors/Instrumentation/Bio Sensors	✓	✓	
Embedded System/Network-on-Chip Design and Optimization	✓	✓	✓
Flexible Electronics	✓	✓	✓
Renewable Energy and Storage/ Smart Grid /Game Theory	✓	✓	
Intelligent Transportation Systems/Cyber Physical Systems/Controls		✓	
Robotics	✓	✓	

Further details about each faculty and their research interests can be found in the following link: <https://www.bits-pilani.ac.in/hyderabad/EEE/Faculty>