

About the Institute

National Institute of Technology Raipur situated in the capital of Chhattisgarh, has proven to be 'avant-grade' in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president hon'ble Dr. Rajendra Prasad on 14th Sept. 1956, the Institute started with two Departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our prime minister hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st Dec. 2005, the Institute has become the National Institute of Technology.

About the Department

Academic Programs and Placement:

- The Department was established in 1958.
- Department offers a B.Tech. program in Electrical Engineering, M.Tech. program in Power System and Control and a Doctor of Philosophy (PhD) in Electrical Engineering and allied areas.
- The B.Tech. program in Electrical Engineering has been NBA accredited till 30th June 2025.
- In the current academic year, the students are placed in companies like Microsoft, Deutsch Bank, Carl Zeiss, ZS associates etc, having highest package in the current academic year 55 LPA.

Research, Testing and Consultancy:

- The Department has received a sum of Rs 1.08 Crores fund under DST-FIST program. Various research projects worth 5.96 Crores have been completed/ongoing.
- Department has provided numerous technical supports to many organizations (Govt./Pvt.) not only in the state of Chhattisgarh but across the Nation, as a consultancy service in terms of testing of Electrical Machine, technical guidance, training programs, vetting of drawings/specifications/bill of quantities (BoQs), Third Party Quality Assurance.
- The Department has catered testing services to many Firms/Vendors, majorly from Chhattisgarh.

Major Achievements (Faculty):

- The faculty members of the Department are among the top 2% World Scientists Ranking of Stanford University 2023 and have been conferred best faculty and best researchers award of the Institute.
- They are serving as Editor and Editorial board member of IEEE Transaction on Power Delivery, Electric Power Systems Research (Elsevier), Electrical Engineering (Springer), Modeling & Simulation in Electrical & Electronics Engineering (Semnan University, Iran), and Vice Chair of Power Electronics Society Chapter of IEEE M.P. section.

Major Achievements (Students):

- The students of the Department have been conferred CIGRE Thesis Award 2022 from CIGRE Paris France for his Doctoral research work, Chhattisgarh State Young Scientist Award-2018, Research Excellence in Ph.D. award by Institution of Engineers, POSOCO Power System Award and prestigious PMRF fellowship for 2020, 2021. Many of them are also selected/qualified in UPSC, IES and GATE.















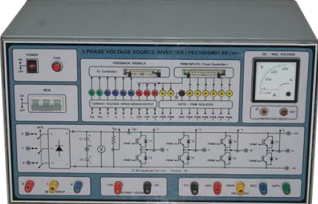





Scan for the faculty profile, and research, testing and consultancy services offered by the Department.

Contact us

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Research and Testing Facilities

S.N.	Equipment	Image
1	OPAL RT Digital Simulator (OP5600 and OP4510)	
2	dSPACE 1103 & 1104, MicroLab Box	
3	1.2 Kw Fuel Cell System	
4	DSO YOKOGAWA DLE 850, 8 Channel DSO	
5	Impulse Generator (150 KV)	
6	Static VAR TCSC	
7	Air Circuit Breaker (ACB) and ACB Test kit (630 A)	
8	Power Quality Analyzer: Fluke 434-II (3Ph), Fluke 143/5 (1ph), Hioki	
9	Twin Rotor MIMO System	
10	100kV Transformer Oil Testing Kit	
11	Programmable DC Power Supplies	
12	Solar PV Emulator (5KW) (Ecosense)	
13	Spectrum Analyzer	
14	Electrical Drives (1 Hp) 1. IM Drives 2. PMSM Drives 3. SRM Drives	
15	Intelligent Power Module 1. IGBT Module 2. MOSFET Module	
16	Solar Array Simulator (Chroma)	
17	Lithium-Ion Battery Bank	
18	Three Phase FACTS Controller	
19	Insulation Tester (Motwane)	