Courses Offered: B.Tech. Electrical Engineering

http://www.bppimt.ac.in/EE.aspx
• Since inception in 1999, the department is fully committed and continuously striving to create and sustain a congenial academic environment.

• Department of EE has conducive environment to provide state of the art education system where unmatched academic excellence which can transform into practical applications and expertise for the benefit and overall well-being of mankind and society at large.

• The highly qualified faculty members of the department (75% of more than 10 years experience) are involved in research activities in different domains. The Department is also enriched with qualified technical staffs to guide student and nurture their technical skills.

Programmes Offered

<table>
<thead>
<tr>
<th>Programme</th>
<th>Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Tech. Electrical Engineering</td>
<td>60</td>
</tr>
</tbody>
</table>

Vision & Mission

VISION

To emerge as a knowledge hub for higher learning and research in Electrical Engineering.

MISSION

• To create a conducive quality teaching – learning environment to make the student assimilate thorough knowledge in Electrical Engineering.

• To create a platform for building confidence among faculties and students by exchanging their views through research, interactive sessions with industry and by the use of modern tools.

• To adopt a goal driven teaching learning method to foster innovative entrepreneurship skills in student community with expertise in different engineering domain.

• To enable students to become authority in the field of electrical engineering along with sustainable and environment friendly technologies to meet the societal needs.
HOD PROFILE

Dr. Nandita Sanyal B.E., M.E, PhD
Associate Professor & Head
Department of EE

Teaching Experience 19yrs
Industrial Experience 8yrs

Membership In Professional Body
Institute of Electrical & Electronics Engineers IEEE 92310792

Faculty Details

<table>
<thead>
<tr>
<th>No. of faculty with PhD</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of faculty Pursuing PhD</td>
<td>4</td>
</tr>
<tr>
<td>No. of Faculty with PG Degree</td>
<td>4</td>
</tr>
</tbody>
</table>

Faculty Experience

- More than 15 Yrs.: 42%
- More than 10 yrs: 33%
- 6 to 10 yrs experience: 8%
- 1-5 yrs experience: 17%

Research & Development

Research Areas
- Illumination & Energy Systems
- Signal & Image Processing
- Control & Robotics
- Material Science

Industry Trained faculty
- 1

AICTE UHV & ATAL Trained faculty
- 7
Faculty and student Publication and Project competition Details

- No. of Faculty Publication
- No. of student Publication

<table>
<thead>
<tr>
<th>Year</th>
<th>Student Paper</th>
<th>Student Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018-19</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>2019-20</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>2020-21</td>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

Faculty Programme Participation

- No. Faculty members participated events within BPPIMT
- No. Faculty members participated events outside BPPIMT

<table>
<thead>
<tr>
<th>Year</th>
<th>Faculty Participation</th>
<th>Student Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018-19</td>
<td>12</td>
<td>0</td>
</tr>
<tr>
<td>2019-20</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>2020-21</td>
<td>12</td>
<td>4</td>
</tr>
</tbody>
</table>

Marketable Products Developed by our Students

- **Bhawan Home Automation**
- **Coat & Sense**
- **Electric Blaze**
- **Smart Building automation**
Madhumita Kundu Mondal published a paper on 06.04.2020, titled "Fault location in UPFC compensated double circuit transmission line using negative sequence current phasors" in Electric Power System Research, Elsevier, Volume 184, July 2020, 106347.


Dr. Sutapa Mukherjee,Comparative study on analysis of daylight glare from different windows for different seasons, Michael Faraday IET International Summit (MFIIS- 2020),Kolkata, ISBN No.: 978-1-83953-272-6, Vol. 1st volume, pp. 69, October -2020.
**Curriculum Based laboratory Facility**

<table>
<thead>
<tr>
<th>1</th>
<th>Electrical Machine Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Basic Electrical Engineering Lab</td>
</tr>
<tr>
<td>3</td>
<td>Electric Circuit Theory Lab</td>
</tr>
<tr>
<td>4</td>
<td>Power System Lab</td>
</tr>
<tr>
<td>5</td>
<td>Electrical &amp; Electronic Measurement Lab</td>
</tr>
<tr>
<td>6</td>
<td>Power Electronics &amp; Electric Drives Lab.</td>
</tr>
<tr>
<td>7</td>
<td>Control System Lab.</td>
</tr>
<tr>
<td>8</td>
<td>Project Lab</td>
</tr>
<tr>
<td>9</td>
<td>Electrical Simulation Lab</td>
</tr>
<tr>
<td>10</td>
<td>Electrical System Design Lab</td>
</tr>
</tbody>
</table>

**Electrical Machine Lab is AICTE MODROB Funded for 2021-2022**

Student Projects

- Self balancing robot
- Hydrophonic Farming Using IoT
- Emotion Recognition
**Student Achievement 2019-2020**

- **Biswanath Karmakar, Swagata Roy, Rajib Kumar Das** won 1st prize in STEM-2020 Poster Competition STEM-2020 (Science, Technology, Engineering, Management) organized by Maulana Abul Kalam Azad University of Technology.

- **Aman Kumar Singh** Runners up in IET inter college quiz Competition Tech Enquesta 15th February, 2020.

- **Aishani Basu** Completed run of 5K with a timing of 00:38:38 with gender rank of 10 in IEM-UEM Marathon, Kolkata, 2020.

- **ED Cell Intercollege B Plan presentation Competition Sauvik Das and Sashi Raj** For Retail start-up. IoT based easy home automation kits for smart home automation, Runners up **Sourav Mohanty & Soham Saha** for Web/Mobile based application concentrating on Ambulance-Booking and Doctor-Locating services.

**2020-2021**

- **Krishanu Chowdhury** 3rd year secured position of 1st Runner up in Tech Tantra 2K 21 Seminar Competition National Level Competition Organised by Dept. of EE Padm. Dr. V.B. Kollte College of Engineering Malkapur Buldana 18th April 2021

- **Biswanath Karmakar** Winner of JuNO 2.21, Inter College Arduino Programming Competition 31st January 2021 Abhiyantran Technical Forum, BPPIMT from 3rd Year

- **Debasis Saha** secured 1st rank from EE 2nd year in “BREAK THE CODE” contest organized by B.P. Poddar Institute of Management and Technology in association with HackerEarth held on 30th May 2021

- **Final Year Student Nilotpal Kapri, Souparna Datta, Noor Alas Saba** participated and presented project SMART POWER LINE QUANTITY METER in 5th National Level IEEE Project Competition-2021 organised by IEEE STUDENT BRANCH GSSS Institute of Engineering and Technology For Women
ON CAMPUS BPPIMT, IET KOLKATA NETWORK, is the 2nd largest On Campus Student Chapter in West Bengal which offers a profusion of opportunities to its members to hone on their technical skills. Members get opportunity to participate in various conferences, seminars, industrial visits and workshops organized by IET. At present, there are 115 student members from the department.
Events Organised

Seminar on **Future Mobility** on 15th February 2020 in collaboration with IET On Campus BPIMT Kolkata Network

5 Day International FDP on Emerging Trends in Sensors, Security, Smart Automation Systems  
**ETSSSAS2020** 8th to 12th July 2020

Webinar on “Internet of Things For Electrical Engineers” on 23rd April

Teachers Day Celebration 2020

Epilogue 2020

3-Day Workshop on Machine Learning for Future Generation
Our Alumni

Debmalya Banerjee, Regional Director, Indian Chamber of Commerce
Dr. Anirban Som, IIM Trichy

Suddhasatwa Chakraborty, Jadavpur University

Tathagata Sardar, DVC
Tuhin Roy, TCS
Amit Mukherjee, Kahrama, Doha
Dr. Mourmita Das, IIT Mandi
Amartya Roy, Worley
Apala Mitra, Siemens
Satyaseel Chatterjee, TCS
Aritra Ghosh, Linde India Limited
Sneha Banerjee Intel Corporation
Drupad Chattoraj, Accenture
Tanul Chakraborty, Ha MEEM Group, Dhaka

Parijat Bhowmick Post Doctoral Fellow
University of Manchester(UK)
Udayan Bhattacharya, Cognizant
Snehashish Laha, Accenture
Sharmili Roy, IBM
Partha Mitra, Accenture Strategy
Rudra Roy, BHEL
Sourav Gargari, Hawkins Cookers
Tapan Singha Mahapatra, WBSETCL
Ranadip Saha, Airport Authority of India

Sk. Sahid Parvez GE
Tausif warsi, Amazon
Binandita De, HSBC
Abhishek Some, Senior QA Engineer at NRI Fintech India
Akash Nag Choudhry, Account manager at HCL Technologies
Madhuprana Goswami, Sprint
Arohita Bhattacharya, Comviva
Sayani Seth Aon India Consulting
Tunir Saha, Bluespacelabs Pvt. Ltd., CEO
Skubotics
Soumya Subhra nandy, CTS
Sambit Chakraborty, CTS
Upamanyu Sengupta, WBSEDCL
Jayaprita Samanta, CTS
Gazala Amin Siddiquee, JE ATC at Airport Authority of India
Snehasis Ghosal, B.C. Roy Engg. College
Sourav Gargari Hawkins Cookers Ltd.