

ANNUAL REPORT (2023-24)

01 July 2023- 30 June 2024

FACULTY OF ENGINEERING AND TECHNOLOGY

Department of Electrical Engineering

Established (Year): 2002

About the Department:

The department offers a regular course for the award of the degree in Bachelor of Technology (B.Tech.) in Electrical Engineering since 2002 and Department also offers a three-year regular course, Diploma in Electrical Engineering since 2022-23. The curriculum provides strong base to the students in Electrical Engineering and exposure to the latest technologies in various aspect of worldwide. Collaboration with faculty members from other disciplines, both within and outside the institute even from reputed industries is also being encouraged. The department currently has well maintained laboratories, equipped with latest equipment and software platforms, to impart state-of-the art technical knowledge.

Head of Department: Mr. Gajendra Singh Rawat

Faculty Members:

1. Mr. Gajendra Singh Rawat
2. Mr. Yogesh Kumar
3. Dr. Brijesh Kumar
4. Dr. Ashish Dhamanda
5. Mr. Bipin Kumar Nishad
6. Mr. Gaurav Kumar
7. Mr. Lokesh Bhardwaj

Details of Publication/Conference attended/ Workshop attended/ Awards/ Invited talk/MOU etc.:

- I. No. of publications in UGC listed journals with impact factors (if any):**03– Annexure- I**
- II. No. of books/edited books/chapters in books: **00**
- III. No. of papers presented in conferences/seminars by the faculty members:**01- Annexure-II**
- IV. No. of awards to faculty members: **00**
- V. No of Invited talk delivered: **00**
- VI. No. of FDP/ Workshop Attended **01– Annexure- III**
- VII. No. of Events Organized **02– Annexure- IV**
- VIII. MOU **01- Annexure-V**
- IX. No. of Patents: **02 - Annexure-VI**

Annexure I

Paper Published in journal

1. Ashish Dhamanda, “**Improve the Electric Power Generation Issue by Cognitive Thinking**”, WSEAS Transaction on Systems and Control, DOI:10.37394/23203.2023.18.64, ISSN/E-ISSN: 1991-8763/2224-2856, volume 18, pages: 636-641, 2023.
2. Ashish Dhamanda, “**Application of Artificial Intelligence in Healthcare Transformation from Electrical to Medical Industry**”, Journal of Advanced Zoology ISSN: 0253-7214 Volume 44, Issue 04, Page 1243:1248, 2023.
3. Ashish Dhamanda, Gajendra Singh Rawat, Yogesh Kumar, “**AI and Traditional Techniques for Driving the response of Thermal Hydro Power Plant**”, Journal of Computational Analysis and Applications VOL. 32, NO. 1, 10.48047/jocaaa.2024.32.01.85, 2024.

Annexure II

Papers Presented in Conferences/Seminars

- 1: Ashish Dhamanda, Gajendra Singh Rawat, Brijesh Kumar, Yogesh Kumar, Bipin Kumar Nishad, Gaurav Kumar presented paper on “**Veda’s: A Way of Living Harmony**”, in International Conference on Veda Vijnana & Sanskriti Mahakumbha on 23-25 Dec 2023, Gurukula Kangri (Deemed to be University), Haridwar.

Annexure III

FDP/Workshop Attended

1. Ashish Dhamanda attend online FDP on “**Aiming Towards in 3 D in Electrical Engineering**”, on 11-15 March 2024 (One Week) Organised by EEE Department, MGIT, Gandipet Hyderabad

Annexure IV

Event Organised

1. Department of Electrical Engineering organised Student Induction Program on 22-29 August 2023.



2. Department of Electrical Engineering organised Workshop on “Virtual Labs” on 4 September 2023 in collaboration with IIT Roorkee.



Annexure V

MOU:-

1: Department signed MOU with “Dronacharya Unmanned Aviation Innovation” (DUAI), Dehradun on 16 February 2024.



Annexure VI

Patents

1. Ashish Dhamanda, M. Nagaraj, Abhishek Agarwal, M. Sri Rama Chandra Murthy, P. Satish kumar, Hitanshu Saluja. **“AN IOT BASED SOLAR POWERED LIGHT ON COMPOUND WALL”**, Design No.: 390892-001, Patent Granted on 08/12/2023.
2. Ashish Dhamanda, P Satishkumar, Harshal Patil, Linda Joel, K. Suresh, Ajith Kumar D. **“DEVICE FOR VEHICLE DRIVER DROWSINESS DETECTION”**, Design No.: 395445-001, Patent Granted on 02/11/2023.