

ANNUAL REPORT (2021-22)

01 July 2021- 30 June 2022

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 in Diploma in Electrical Engineering since 2022-23. The curriculum provides strong base to the students in Electrical Engineering and provides exposure to the latest technologies. Collaboration with faculty members from other disciplines, both within and outside the institute, is 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. Mr. Brijesh Kumar
4. Dr. Ashish Dhamanda
5. Mr. Bipin Kumar Nishad
6. Mr. Gaurav Kumar
7. Mr. Ankush Sharma

Details of Publication/Conference attended/ Workshop attended/ Awards/ Invited talk 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: **01**- Annexure II
- III. No. of papers presented in conferences/seminars by the faculty members:**00**
- IV. No. of awards to faculty members: 00
- V. No. of Patents: **01** – Annexure III
- VI. No of Invited talk delivered: 00
- VII. No. of FDP/ Workshop Attended **20**– Annexure IV
- VIII. No. of Events Organized **06**– Annexure V

Head

Annexure I

Paper Published in journal

1:- Ashish Dhamanda published a Journal Paper titled “Computational Techniques for the issue of Variation Problem” in international journal “International Journal of Control Systems and Robotics”, Volume 7, 2022, ISSN: 2367-8917.

2:- Ashish Dhamanda published a Journal Paper titled “Multifarious Technique Applied for the Correctness the Nervous System of Electricity Demand Using GA and AI Technique” in international journal “NeuroQuantology, May 2022, Volume 20, Issue 5, Page 3592-3598 E-ISSN 1303-5150.

3:- Ashish Dhamanda published a Journal Paper titled “Analyzing Mathematical Approach for Facing the Electricity Problem Using Traditional and AI Technique” in “International Journal of Mechanical Engineering”, Vol. 7 No. 2022, ISSN: 0974-58237.

Annexure II

- 1. Ashish Dhamanda, (2022), “Artificial Intelligence for Power and Frequency Variation Control”, Book Title:Artificial Intelligence Application, Pages:- 59-80, December 2021, IKSAD Publishing House, ISBN: 978-625-8423-28-0 (International).**

Annexure III

Patent Published

1. Mr.Gajendra Singh Rawat has published patent on Network Traffic Flow Predictive, Analytical And Control Model For Cloud Based Networks on date 10/09/2021 having Application No. 202141039319.

Annexure IV

FDP/Workshop Attended

1. Mr. Gajendra Singh Rawat participated in the 5 days online short term course on “Stability issues, Challenges and solution in Renewable Integrated Power Systems ” organized by Department of Electrical Engineering NIT Uttarakhand during 28 Feb 2022 to March 04,2022.
2. Mr. Gajendra Singh Rawat participated in a webinar on “IP Rights for Green Energy Initiatives in Startups” organized by TIDES IIT Roorkee on April 19,2022.
3. Mr. Bipin Kumar Nishad participated in the ATAL online FDP on “Magnetic Levitation System “organized by NIT Mizoram during Feb 07, 2022 to Feb 11, 2022.
4. Mr. Bipin Kumar Nishad participated in the One week online workshop on “Recent Research in Power Convertor and Control” organized by REC Ambedkar Nagar during Feb 21, 2022 to Feb 26, 2022.
5. Mr. Ashish Dhamanda participated in the “Induction Program” at Gurukula Kangri (Deemed to be University) Haridwar during April 05, 2022 to April 13, 2022.
6. Mr. Bipin Kumar Nishad participated in the “Induction Program” at Gurukula Kangri (Deemed to be University) Haridwar during April 05, 2022 to April 13, 2022.

7. Mr. Gaurav Kumar participated in the “Induction Program” at Gurukula Kangri (Deemed to be University) Haridwar during April 05, 2022 to April 13, 2022.
8. Mr. Ankush Sharma participated in the “Induction Program” at Gurukula Kangri (Deemed to be University) Haridwar during April 05, 2022 to April 13, 2022.
9. Mr. Brijesh Kumar participated in the ATAL online FDP on Smart City Technologies during 20/09/2021 to 24/09/2021.
10. Mr. Brijesh Kumar participated in the ATAL online FDP on Renewable Energy For Industrial & Domestic Applications organized by Jawaharlal Nehru Technological University Anantapur College Of Engineering Pulivendula during 06/09/2021 to 10/09/2021.
11. Mr. Gajendra Singh Rawat participated in a AICTE-ISTE approved orientation / Refresher programme on “ Recent Trends in AI” organized by Jhulelal Institute of Technology, Nagpur on 07/12/2021 to 13/12/2021
12. Mr. Bipin Kumar Nishad participated in the ATAL online FDP on “Electric Vehicle” organized by College of Engineering Thalassery during 06/09/2021 to 10/09/2021.
13. Mr. Bipin Kumar Nishad participated in the ATAL online FDP on “Design and Optimization of EV Charging Technology in Smart Grid Platform” organized by Puducherry Technological University during 13/09/2021 to 17/09/2021.
14. Mr. Bipin Kumar Nishad participated in the online FDP on “Electric Vehicle and Smart Grid: A Path Towards Sustainable Energy” organized by KIIT Bhubaneswar during 17/12/2021 to 23/12/2021.
15. Mr. Bipin Kumar Nishad attended National Webinar on “National Education Policy- NEP 2020: Opportunities, Challenges & Its Effective Implementation” Organized by Faculty of Engineering & Technology, Gurukula Kangri Samvishwavidyalaya, Haridwar on 29 April, 2021 in online mode.
16. Mr. Ashish Dhamanda participated in the ATAL online FDP on “Magnetic Levitation System” organized by NIT Mizoram during Feb 07, 2022 to Feb 11, 2022.
17. Mr. Ashish Dhamanda participated in the ATAL online FDP on “Mobile Robotics” organized by IIT Patna during 20/09/2021 to 24/09/2021.
18. Mr. Ashish Dhamanda participated in the online FDP on “Smart Grids and Micro Grids in Indian Context” organized Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Gandipet, during 20-06-2022 to 24-06-2022.
19. Mr. Ashish Dhamanda participated in the online FDP on ‘Inculcating Universal Human Values in Technical Education’ organized by AICTE during 27/12/2021 to 31/12/2021.
20. Mr. Ashish Dhamanda participated in the ATAL online FDP on “Additive Manufacturing: Current Trends And Prospects Towards Developing AM Research” organized by IIT Kanpur during 22/08/2021 to 26/08/2021.

3. Department of Electrical Engineering organised Webinar on “Career Guidance” on 18 February 2022.

The banner features the Gurukula Kangri logo on the top left and the National Digital Library of India logo on the top right. The central text reads "Webinar On Teesta Canal Fall Hydel Project And Career Guidance". Below this, a computer monitor displays a 3D rendering of a dam. To the left, the timing is listed as "18 FEB 2022 10AM to 11AM" and a meeting link is provided: <https://gkvv.webex.com/gkvv/j.php?MTID=m8526eb9c6627df2d4281f1780f3d058e>. To the right, a photo of the speaker, Er. Kishan Maurya, is shown with his title "Assistant Engineer WBSEDCL". At the bottom, it states "Organized by Department of Electrical Engineering" and "Certificate to all Participants".

Gurukula Kangri (Deemed to be University)
Haridwar, Uttarakhand

National Digital Library of India

Webinar On
Teesta Canal Fall Hydel Project And Career Guidance

Timing-
18 FEB 2022
10AM to 11AM

Meeting link-
<https://gkvv.webex.com/gkvv/j.php?MTID=m8526eb9c6627df2d4281f1780f3d058e>

Speaker

Er. Kishan Maurya
Assistant Engineer
WBSEDCL

Certificate to all Participants

Organized by
Department of Electrical Engineering

The screenshot shows a Cisco Webex meeting in progress. The top bar displays "Cisco Webex Meetings Meeting Info Hide Menu Bar" and the time "01:22:38". The main area is a grid of 20 video thumbnails, with some showing participants and others showing logos or names like "K Mohankrishna", "Vivek", "Richesh kumar", "OM KUMAR DEO", and "ABHINAV KUMAR". On the right, a "Participants (79)" list is visible, including names like Ankush Sharma, GKV Host, kishan maurya, Abhinash Raj, ABHINAV KUMAR, Abhinav Yadav, ABHISHEK PANDEY, Aditya Chaudhary, Aditya singh yadvanshi, Ajit kumar, and AKASH SINGH SISODIA. The bottom control bar includes buttons for "Unmute", "Stop video", "Share", and other meeting controls. The date and time "11:03 Friday 18-02-2022" are shown in the bottom left corner.

4. Department of Electrical Engineering organised NDLI National Level Quiz on “Carbon Neutral and Green Energy Electrification” on 25 April 2022.

Gurukula kangri (Deemed to be University)
Haridwar, Uttarakhand

NDLI QUIZ
On
Carbon Neutral and Green Energy Electrification

Date- 25 April 2022
Timing- 2PM to 2:30PM

Coordinator
Mr. Bipin Kumar Nishad

Registration Link-
<https://forms.gle/RkbtYpSnRjCWrxHM>

Certificate to all Participants

Organized By
Department of Electrical Engineering

5. Department of Electrical Engineering organised Webinar on “Electric vehicle” on 10 May 2022.

Gurukula Kangri (Deemed to be University)
Haridwar, Uttarakhand

Life Is On **Schneider Electric**

Speaker

Mr. Mohan Sunderarajan Iyer
General Manager
Christiani Sharpline Technical Training

Webinar On Electric Vehicle

Time-3 PM
Date-10 May 2022
Registration Link-
<https://forms.gle/zB2zG3R4JSGnFhvv5>

Coordinator
Mr. Gajendra Singh Rawat
Mr. Bipin Kumar Nishad

Organized By
Department of Electrical Engineering
Faculty of Engineering and Technology

CoE Smart Cities – Solar Technology

Learning Technologies

- Basic Solar Technology
- Solar Modules
 - Installation
 - Maintenance
- Advanced Solar Modules
 - On Grid/ Off Grid Learning

Christiani Sharpline

6. Department of Electrical Engineering organised Seminar on “Finance for Non-Finance Students” on 23 May 2022.



गुरुकुल काँगड़ी (समविश्वविद्यालय), हरिद्वार, उत्तराखण्ड
Gurukula Kangri (Deemed to be University), Haridwar, Uttarakhand
Faculty of Engineering & Technology



**SEMINAR ON
FINANCE FOR NON FINANCE STUDENTS**



Mr. Ashish Bansal
Head-Audit & GM- Strategy
Relaxo Footwears Ltd.

Event Coordinator
Mr. Bipin Kumar Nishad

Event Co-Coordinator
Mr. Gaurav Kumar

Venue:- Mechanical Seminar Hall, FET
Date- 23/05/2022
Time- 01:30 PM

Organized By:
Department of Electrical Engineering

