

## CURRICULUM VITAE

### BRIJESH KUMAR

Assistant Professor  
Gurukula Kangri Vishwavidaya  
Haridwar Uttarakhand

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### **OBJECTIVE:**

To be a part of an organization where process of learning never ends and my imagination takes wing to great heights. A place where initiative, hard work and learning through constructive criticism is always promoted.

### **EXPERIENCE:**

- As a lecturer in the Department of **Electrical & Electronics Engg KNIPSS** Sultanpur (U.P). from 11 March, 2010 to 20 Aug 2011.
- As an Assistant Professor in the Department of **Electrical Engg. DBIT Dehradun (U.K)** from 27<sup>th</sup> Aug 2011 to 5<sup>th</sup> Aug 2012.
- Appointed As an Assistant Professor in the Department of **Electrical Engg.** Seemant Institute of Technology **Pithoragarh**, Uttarakhand. In 2012 (Not Joined)
- As an Assistant Professor in the Department of **Electrical Engg.** Gurukula Kangri Vishwaviday Haridwar Uttarakhand **Since 11<sup>th</sup> Aug 2012 to till date**

### **EDUCATIONAL QUALIFICATION:**

- Ph.D. Pursuing in Renewable energy from N.I.T. Kurukshetra Haryana Since 14<sup>th</sup> February 2016.
- M.Tech. in Power Electronics & Drives (Electrical Engineering) in 2011 with first division from K.N.I.T. Sultanpur affiliated to U.P.T.U, Lucknow, (U.P.).
- B.Tech in Electrical Engineering in 2007 with first division from P.I.T. Jaunpur. Affiliated to U.P.T.U, Lucknow, (U.P)
- INTERMEDIATE in 2001 with second division from B.M.I.C. Rishikesh Dehradun Affiliated to U.P.Board, Allahabad, (U.P).

- HIGH SCHOOL in 1999 with first division from G.I.C. Sidhakhal Churani Pauri Garhwal Affiliated to U.P.Board, Allahabad, (U.P).

## PROJECTS :

- A project is submitted in M. Tech. On the topic, **Autotransformer connected 24-Pulse AC-DC Converter for Vector Controlled Induction Motor Drives: AMATLAB SIMULATION.**
- Completed Minor Project work in M.Tech on **Minimization of harmonics of the output current of matrix converter.**
- Completed Project work in **B. Tech on High Voltage Marx Generator.**
- Since 2012, guided in different projects approximately 160 students in B. Tech Electrical Engineering.

## SEMINARS:

### As a part of Ph.D. Course curriculum

- Seminar Delivered on Performance of **Doubly Fed Induction Generator.**

### As a part of M. Tech. Course curriculum

- Seminar delivered on “**Matrix Converter Used in Variable Speed Constant Frequency Wind Power Generation Application**”.

### As a part of B. Tech. Course curriculum

- Seminar delivered on **Thermoelectric Cooler.**

## TRAINING/WORKSHOPS/SEMINARS:

- Undergone Industrial Training at UPRVUNL, Obera Sonbhadra. Submitted a report on Power Plant.
- Attended workshop on “**THREAT OF VOLTAGE INSTABILITY IN POWER SYSTEMS**” Organized by Department of Electrical Engineering Institute of Technology, Banaras Hindu University (**BHU**) Varanasi-221005Uttar Pradesh (INDIA).
- Attended Seminar on “**NCERU-2009**” Organized by **ELECTRICAL ENGINEERING DEPARTMENT, KNIT, Sultanpur**
- Attended workshop on “**MATLAB AND ITS APPLICATION IN ELECTRICAL ENGINEERING-2009**” “Organized by **ELECTRICAL ENGINEERING DEPARTMENT, KNIT, Sultanpur**

- Attended a workshop conducted by Dev Bhoomi Institute of Technology at Dehradun On MISSION10X. From 9<sup>th</sup> to 13<sup>th</sup> April 2012.
- Attended a National Conference On “PEAS” Nov-2012 Organized by Electronics & Communication Engineering Department **FET GKV Haridwar**.
- Attended a National Conference on ETES 9, 10 Nov-2013 Organized by Mechanical Engineering Department **FET GKV Haridwar**
- Attended a short term course on ICESA-TP2013. 1-5 July-2013 at **MNNIT Allahabad**.
- Attended a QIP short term course on Power System Economics. 26-30 July-2013 at **IIT Kanpur**.
- A two-day workshop conducted by the Electrical Engineering Department, **FET, GKV, Haridwar** titled PSCAD On 28-29 Sep-2013.
- Attended a QIP short term course on Solar Power and Space conditioning 2-8 July-2014 at **IIT Delhi**.
- Attended workshop on “MICRO & NANO FABRICATION”-2015 held at **IIT Kanpur** during 16-20 March 2015. Organized by Centre for development of Technical Education.
- Attended a National Workshop on Power Electronics (NWPE-2015). November 2015 Organized by Department of Electrical Engineering, **Delhi Technological University (DTU)**.
- Attended a lecture-demonstration workshop organised by Spoken Tutorial Project, **IIT Bombay** on 02 May 2017.
- Participated in the TEQIP I I I sponsored E-Training Program/Short -term course on “Finite element analysis for Engineers” in the Department of Metal lurgy Engineering and Mater ials Science from 07-12 December 2020 at **IIT Indore**.
- Participated in webinar on “METAMATERIAL ANTENNA” held in the Department of Electrical Engineering of School of Engineering on 30.06.2020. **Gautam Buddha University Greater Noida, Uttar Pradesh, India**
- Attended the Webinar on Future of STI: “Impacts on Education, Skills and Work” on the occasion of National Science Day, Organized by The Indian Science Congress Association, Haridwar Chapter In Association with **FET GKV Innovation Cell, Haridwar Feb, 28, 2021**.
- Participated in the Five-Day Workshop on "Simulation Software for Electrical Engineers" held from 08/02/2021 to 12/02/2021 at “Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur”.

- 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.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 2020-11-21 to 2020-11-25 at **IIIT, Naya Raipur**.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" from 2021-2-1 to 2021-2-5 at **National Institute of Technology Calicut**.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Power Electronics application in Machine Drives and Power system" from 2020-12-1 to 2020-12-5 at **NIT Mizoram**.

#### **RESPONSIBILITIES IN FET, GURUKULA KANGRI SAMVISHWAVIDYALAYA , HARIDWAR :**

- Working in placement committee member since 2012 to till date.
- Working in scholarship committee member since 2012 to till date.
- Worked as a Co-Organizer in ATAL FDP, Conducted in Electrical Engineering Department, in 2020-21
- Working as a Co-ordinator of Board of Study (BoS) of Electrical Engineering Department.
- Acted as Session Coordinator in one week “Online Student Induction Program” organized by Faculty of Engineering & Technology, Gurukula Kangri Vishwavidyalaya, Haridwar from 14 - 19 December 2020.
- Worked as a Time-Table committee member of Electrical Engineering Department.
- Worked as Lateral Entry Admission cell committee member.

#### **Other Activity**

- Awarded as a best faculty award.
- Worked as Paper Setter in UTU Uttarakhand.
- Worked as Paper Setter in DIT Dehradun Uttarakhand.
- Worked as Paper Setter in HPTU Himanchal Pradesh.

- Worked as Paper Setter in Rohilkhand University, Bareilly Uttar Pradesh.
- Worked as External Practical Examiner in UTU Uttarakhand.

### Research Publications:

- Brijesh Kumar, Niraj Kumar Shukla, Sunil Kumar Sinha, Ajay Shekhar Pandey “Autotransformer Connected 24 Pulse AC-DC Converter for Vector Controlled Induction Motor Drive: A Matlab Simulation” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-4, February 2019.
- One paper is under revision
- One paper is communicated.
- One paper is under process.

### SUBJECTS OF INTEREST/FUNCTIONAL AREAS:

- Renewable Energy.
- Network Synthesis and Analysis.
- Elements of Power System.
- Fundamental of Network Synthesis and Analysis.
- Power Electronics.
- Electric Drives.
- Power Converter Applications.
- Basic Electrical.

### SOFTWARE KNOWLEDGE:

- Packages Known: MATLAB Programming and SIMULATION.
- Operating systems: WIN 98, WIN XP.

### PERSONAL DETAILS:

Father's name	:	Ugrasen Yadav
Date of Birth	:	May 02, 1984
Gender	:	Male
Nationality	:	Indian
Marital Status	:	Married
Languages Known	:	English, Hindi
Permanent Address	:	Gali no 10, Bees Bigha Bapugram ,Rishikesh .
	:	District Deharadun Uttarakhand.

### DECLARATION:

I hereby declare that the above information is correct to the best of my knowledge.

**Date.....**

**Place: Haridwar**

**(BRIJESH KUMAR)**