



**Sumit Kumar Gupta**  
Assistant Professor (EE)

**Centre/School/Special Centre: School of Studies of Engineering & technology**

**Department: Electrical Engineering, ECE**

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**Personal Webpage Link:**

<https://ggu.ac.in/Admin/Files/Resume/ECE- SUMIT KUMAR GUPTA 10.02.20.pdf>

**Qualifications: Ph.D. (Pursuing), M. Tech., B.E.**

**Area of Interest/Specialization: Microwave Structures, Metamaterial, Power Circuits.**

**Experience: 9 Years**

**Awards and Honors:**

Received CERTIFICATE OF APPRECIATION: BEST INNOVATIVE PAPER AWARD, in conference entitled Trends in Electronics and Healthcare infomatics (TEHI) with Paper ID# 384 authored by Manish Deshmukh, **Sumit Kumar Gupta** and Akansha Chandravanshi for the paper entitled ‘Isolation Enhancement using PRSR Technique for Wireless Applications

**Research Projects: NIL**

**International Collaboration/Consultancy**

**Best Peer Reviewed Publication (up-to 10):**

[1] Sumit Kumar Gupta, Modelling and Simulation of Multi Pulse AC to DC Converter Feeding To Different Reactive Power Loads and their THD Analysis”, Volume 5, Issue 1 (February, 2018) | E-ISSN: 2348-2273 | P-ISSN : 2454-1222

[2] Sumit Kumar Gupta, M. Sunitha, K Sri Lakshmi, Power Quality enhancement using Multi Pulse AC to” DC Converter in Direct Torque Controlled Induction Motor Drive”, IJSART - Volume 4 Issue 1 – JANUARY 2018 ISSN [ONLINE]: 2395-1052

[3] Sumit Kumar Gupta, “Modeling and Simulation Of Hill Climb Search Method For Maximum Power Point Tracking As Applied To Wind Energy Conversion System”, IJTICES, e-ISSN: 2455- 2585 Volume 4, Issue 02, February-2018

**Recent Books/Book Chapters/Monographs etc.:**

[1] Deshmukh, M., Gupta, S.K., Chandravanshi, A. (2022). Isolation Enhancement Using PRSR Technique for Wireless Applications. In: Kaiser, M.S., Bandyopadhyay, A., Ray, K., Singh, R., Nagar, V. (eds) Proceedings of Trends in Electronics and Health Informatics. Lecture Notes in Networks and Systems, vol 376. Springer, Singapore. [https://doi.org/10.1007/978-981-16-8826-3\\_50](https://doi.org/10.1007/978-981-16-8826-3_50)

[2] Gupta, S.K. (2022). Modeling and Simulation of FPGA-Based Vector-Controlled Induction Motor Drive Using Simulink. In: Kolhe, M.L., Jaju, S.B., Diagavane, P.M. (eds) Smart Technologies for Energy, Environment and Sustainable Development, Vol 2. Springer Proceedings in Energy. Springer, Singapore. [https://doi.org/10.1007/978-981-16-6879-1\\_54](https://doi.org/10.1007/978-981-16-6879-1_54)

**Research Supervision: NIL**

### **Administrative Responsibilities:**

- Section Incharge of B. tech. first Year, section D, session 2013-14
- Co-coordinator for B. tech. first Year, session 2013-14
- member of anti-ragging committee during session 2013-14
- Assistant Coordinator for mid semester exam of B. Tech. first year for session 13-14.
- Mentor for 7 mechanical Engg. Students, session 2013-14
- Co-coordinator for B. tech. first Year 2014-15
- Member of document verification committee for B.Tech. Admission 2014-15.
- member of anti-ragging committee during session 2014-15
- Assistant Coordinator, B.Tech. Admission by CSAB session 15-16.
- member of committee formed for evaluation of electricity tariff paid by residents of university quarters
- Co-coordinator for B. tech. first Year 2015-16.
- Section Incharge for B. tech. first Year ECE Students 2015-16
- Assistant Coordinator B.Tech. Admission by JoSAA session 2015-16.
- Coordinator B. tech. First year from 01-12-2015 to 07-01-2016.
- Assistant coordinator for B. tech admission through CSAB/ JoSAA for session 2016-17
- Mentor for B. tech. 3rd Year Students.
- Section Incharge for B. tech. first Year ECE Students 2016-17.
- member of Discipline Cum anti ragging committee during session 2016-17
- Member of Registration committee for B. tech admission through Local/ Spot Counseling for session 2017-18
- Member of document verification committee for walk-in interview 2017-18 of adhoc teachers.
- Member of Discipline Cum anti ragging committee during session 2017-18.
- Section Incharge for B. tech. first Year ECE Students 2017-18
- Incharge for Mobile distribution under Chhattisgarh Sanchar kranti Yojna.
- Incharge of NAAC Criteria II for ECE department.
- Incharge for Library related Works for department.
- Member of departmental NAAC/ NIRF Committee for session 2019-20
- Member of departmental NAAC/ NIRF Committee for session 2020-21
- Incharge for Library related Works for department for session 2020-21
- Member of school level training and placement committee for conducting on campus placements, session 2021-22.
- Incharge for department faculty information for NBA

### **RESPONSIBILITIES GIVEN UNIVERSITY LEVEL**

- member of committee formed for repair and maintenance of AC water cooler and water purifier under GFR -155

- Member of the committee formed to make plan proposal and recommendation for running electrical equipment's of different buildings by solar energy.
  - member of technical committee for evaluation of open Tender under store for purchase of electrical and sanitary items
  - member of committee formed for purchase of electrical items for maintenance of distribution box of VC Residence under GFR 146
  - Member of the committee formed to make plan proposal and recommendation for establishment of smart classroom at certain places inside the university campus.
  - Hostel warden responsibilities given on 7 March 2018 for Swami Vivekanand Boys Hostel.
- (Continued)**
- Worked as polling officer for Student council election 2017.
  - Member of technical committee formed for repair and maintenance and purchase of AC water cooler and water purifier.
  - Committee member for projects under HEFA Boys Hostel (G+4) (100 Rooms with 200 Capacity)
  - Committee member for projects under HEFA, Installation of Solar Power Plant 2MW
  - Worked as Election Officer for GGV Students Council Election 2019.
  - Member, Technical committee, Mess for hostels in university, session 2020-21
  - Coordinator for maintenance and shifting of DB panel at VC residence.

**Additional Information: NIL**

**Sumit Kumar Gupta**