

Dr. Sajad Ahmad Tali

Lecturer

Department of Computer Science Engineering

North Campus Delina, University of Kashmir, India

Personal Profile:

Name: Dr. Sajad Ahmad Tali

Father's name: Mohd Rafiq Tali

Designation: lecturer

Department: Department of Computer Science Engineering

Official Address: Department of Department of Computer Science Engineering university of Kashmir
North Campus India.

E-mail: Talisajad89@gmail.com

Mobile No.: +91-9906629047

Academic Qualification:

Higher Secondary: First Division in 2006 from JKBOSE. India.

B.Tech.: First Division in 2012 from LPU Phagwada Punjab, India.

M.Tech.: First Division in 2014 from LPU Phagwada Punjab, India.

Ph.D : Awarded in June, 2023 from IUST Kashmir, India.

Teaching Experience:

Assistant Professor: From 14.4.2015 to 31.12.2015 in the Department of electronics and communication Engineering, IUST Kashmir

Assistant Professor: From 24.3.2016 to 31.3.2018 in the Department of electronics and communication Engineering, IUST Kashmir.

Assistant Professor: From 4.8.2018 to 9.10.2018 in the Department of electronics and communication Engineering, NIT Srinagar.

Assistant Professor: From 10.10.2018 to 11.12.2018 in the Department of electronics and communication Engineering, SSM Srinagar.

Lecturer: From 26.10.2022 to Present in the Department of computer science engineering Kashmir University (KU).

Research Interests: Photovoltaics and Optical fibre Communication

Publications:

Journal

1. Tali, S.A., Ahmad, F. & Wani, I.H. Hardware implementation of improved perturb and observe maximum power point tracking technique for photovoltaic systems with zero oscillations. *Analog Integr Circ Sig Process* **112**, 13–18 (2022).
2. Tali, Sajad, and Faroze Ahmad. "Investigation of Non isolated dc-dc converters used in Photovoltaic Systems using Matlab Simulation." *Journal of Critical Reviews* 7, no. 18 (2020): 1390-1396
3. Tali, Sajad, and Faroze Ahmad. "Comparative Analysis of PID Controller and Current

mode Controller in Matlab Simulink for DC-DC Buck Converter." *Journal of Critical reviews* 7, no. 18 (2020): 1390-1396.

4. Tali, Sajad. "Minimization of Power Penalty and Crosstalk due to Four Wave Mixing of WDM System by using CPFSK Modulation Technique." *International Journal for Scientific Research & Development.* " Vol. 5, Issue 06, 2017, 2321-0613.

5. Novel technique for reduction of output voltage ripple and Transient time of DC-DC Converters under dynamically load. **(Review received form journal of electrical engineering (Springer) response under process)**

Conferences

1. Tali, S. A., & Ahmad, F. (2021). Systematic study of maximum power point tracking methods used in photovoltaic-based systems. In A. Iqbal, H. Malik, A. Riyaz, K. Abdellah, & S. Bayhan (Eds.), *Renewable power for sustainable growth. lecture notes in electrical engineering.* (Vol. 723).
2. Tali, Sajad & Ahmad, Faroze & Wani, Inayat. (2021). Design and Analysis of Feedback Control for DC-DC Buck Converter. 10.52458/978-81-95502-00-4-33.

Workshops and seminars:

1. TEQIP-III Sponsored One Week Online Short Term Course on "AI Inspired 6G Communication Technology" organised by the Department of Electronics & Communication Engineering, National Institute of Technology Srinagar from 16th - 20th September, 2020.
2. A short term Course on "learn to design your own solar home system"
3. TEQIP-III Sponsored One Week Online Faculty Development Program on Soft Computing Techniques (SCT-2020) from 25-30 July' 2020 organised by Electrical Engineering Department, National Institute of Technology Srinagar, J&K (*An Institute of National Importance under Ministry of HRD, Govt. of India*)
4. One week online short term course on "Energy and Its Applications" (E&IA-2020) organized by Department of Chemical Engineering, National Institute of Technology Srinagar sponsored by TEQIP III during the period of 8th to 12th September 2020
5. Online Workshop /Faculty-Development-Programme on Recent Research Trends in Information Technology from September 12, 2020 to September 18, 2020. The Programme was organised by Islamic University of Science and Technology (IUST), J&K in collaboration with Maulana Abul Kalam Azad University of Technology, West Bengal.

Subject Taught:

Under Graduate-

1. Basics of electronics and communication
2. Electronic devices and circuits
3. Computer organization and architecture
4. VLSI
5. Microprocessors
6. Signals and system
7. Principles of electrical engineering
8. Digital electronics
9. Communication systems
10. Wireless communication

Post-graduation

- 1.Fiber optical communication
- 2.Data com