



**Name Dr Rajini V Honnunar**

**Designation Professor**

**Experience (Teaching and Industry)**

RNSIT (2004- till date)  
Previous college (1998-2004)

---

**Qualifications**

B.E. from Dr Ambedkar Institute of Technology  
M.Tech. from B M S College of Engineering  
PHD from Indian Institute of Science

**Specialization (Academics)**

Antennas  
Microwaves  
Optical Communication  
Analog electronics  
Satellite Communication

**Specialization (Research) Optics and Photonics**

**Publications** 1. Madhuri Kulkarni, Rajini V Honnunar, Lecture notes in Electrical Engineering by Springer (ICPSPCT-18) emerging trends in photonics, SP and Communication Engg. "Planar waveguide Bragg Grating pressure sensor-design and applications", Kulkarin, et.al 2019.

2. Ibrar Jahan, Rajini V Honnunar, "Sensitivity Improvement and Opto mechanical Analysis of Composite Material Using Fiber Bragg Grating", International Journal of Engineering and Technology, 7(4.36)(2018)204-211.

3. Chethana, K, Rajini V Honnunar, IbrarJahan, Comparison Studies on Hand Grip Measurement Techniques using FBG Sensor and sEMG", 2020 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT),Bangalore,India,2020,pp.1-6, ,doi:10.1109/CONECCT50063.2020.9198583.

4. Chethana K, Rajini V Honnunar, Ibrar Jahan, Haripriya, Bhargava Narayanan,Designand Calibration of Fiber Bragg Grating Sensor for Analysis of Real Time Skeletal Hand Muscle Strength", INOCON 2020: IEEE International Conference for Innovation in Technology, November 6-8,2020.

5. Chethana K, Rajini V Honnunar, Ibrar Jahan, Guruprasad A,S, S.Asokan, Real Time Data on Hand Grip Strength in a Population-Based Study using Fiber Bragg Grating", ACCES 2020 3 Conference, September 18-19,2020.

6. Chethana K, Rajini V Honnunar, Ibrar Jahan, Guruprasad A,S, S.Asokan, Design and Calibration of Fiber Bragg Grating Sensor for Analysis of Real Time Wrist Angular Grip Strength", ACCES 2020 Conference,September 18-19,2020.

7. Bhoomika, Ibrar Jahan,Rajini V Honnunar, Review on waveguide grating based sensors, International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Vol. 2, Issue 2, February 2020

**Awards Received**

Best Teacher Award RNSIT -2006  
Best Paper Award ICOL -2014, DehraDun