

Name: Dr. D. NAGENDRA PRASAD  
Designation: Assistant Professor  
Department: H&S  
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Experience (in years): 9      Teaching: 8.5      Research: 0.3      Others (if any, specify):

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Sc.	2004	MPC
2	M.Sc.	2006	Physics
3	Ph.D.	2019	Nanoelectronics

### 2. Teaching and Learning:

- 2.1. Teaching Interests: Applied Physics, Semiconductor Device Physics, Electromagnetic Theory, Materials Science
- 2.2. Novel Teaching & Learning Techniques adopted: Objective oriented teaching & learning, Application perspective, Establishing correlations between fundamental concepts
- 2.3. Involvement in curriculum updating / Design: Yes

### 3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: Music sense (instrumental), Story Scripts, Scientific research discussions
- 3.2. CCA/ECA Organized: ----
- 3.3. CCA/ECA participated: ----
- 3.4. Counseling and Mentoring Activity: Yes
- 3.5. Committees involved in: Yes  
Department level:  
Institute Level:

### 4. Conference / Workshop / Seminar / Guest Lectures :

- 4.1 Conducted: ----
- 4.2 Attended: 7/5/4/2

### 5. Academic Contribution and Research & Consultancy:

- 5.1. Invited Lectures: 2
- 5.2. Articles / Chapters published in Books: 5
- 5.3. Books published as single author or as editor: ----
- 5.4. Projects Guided: ----  
a) UG :    b) PG :
- 5.5. Research Interests: Micro/Nano Device Level Fabrication (Lithography) & Characterization (Probe station)
- 5.6. Ph.D students : ----  
a) Enrolled:                      b) Submitted:                      c) Awarded:
- 5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	2D-MXene as an Additive to Improve the Power Conversion Efficiency of Monolithic Perovskite Solar Cells	Materials Letters- Elsevier, 309,131353	ISSN: 0167-577X	3.423	International
2	Comparison Study of Metal Oxides (CeO <sub>2</sub> , CuO, SnO <sub>2</sub> , CdO, ZnO and TiO <sub>2</sub> ) decked Few Layered Graphene Nanocomposites for Dye-Sensitized Solar Cells	Sustainability (MDPI), 13(14), 7685	ISSN: 2071-1050	3.251	International
3	Investigation of localization of DNA molecules using triangular metal electrodes with varying separation	AIP Proceedings, 1724, 020036	ISSN: 0094-243X	0.402	International
4	Effect of curvature of tip and convexity of electrode on localization of particles	OJFD, 5, 295	ISSN: 2165-3860	--	International
5	Localization of suspensoid biological molecules using lithographically patterned metal electrodes subjected to AC-electrokinetic effects	JETIR, 6, 5, 321	ISSN: 2349-5162	--	International

#### 5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	AC Electroosmosis and Dielectrophoresis for trapping spherical particles between rectangular and triangular electrodes	COMSOL Proceedings	International	2013
2	Effect of conductivity and viscosity in the velocity characteristics of a fluid flow induced by non-uniform AC electric field in electrolytes on microelectrodes	COMSOL Proceedings	International	2012

#### 5.9. Sponsored research Projects: ----

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: ----

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. **Awards / Honors received:** DAE-JRF and BITS Pilani Institute Fellow

7. **Motto:** Teaching is an effective tool that offers continuous learning and knowledge sharing. So, learn with Joy and share with Love to enlighten young bright minds.