



**Name:** Dr. G.SIREESHA

**Designation:** Assistant Professor; Mathematics

**Department:** Humanities & Sciences

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**Experience (in years): Teaching: 12 Research: 2 others (If any, Specify):**

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D.	2015	Group Theory
2	M.Phil.	2005	Group Theory
3	M.Sc.	1998	Mathematics
4	B.Sc.	1995	M.P.C

### 2. Teaching and Learning:

#### 2.1. Teaching Interests:

- Discrete Mathematics
- Laplace Transforms
- Fourier Transforms
- Trigonometry
- Diff. Equations
- Linear Algebra

#### 2.2. Novel Teaching & Learning Techniques adopted:

- POGIL
- Learning by doing
- Video presentation
- WIT & WIL
- Think, pair & Share
- Mind maps
- Concept maps

#### 2.3. Involvement in curriculum updating / Design: No

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

#### 3.1. Interests and Hobbies:

- Reading books
- Listening Music

#### 3.2. CCA/ECA Organized: NIL

#### 3.3. CCA/ECA participated: NIL

#### 3.4. Counseling and Mentoring Activity: Counseling for 1<sup>st</sup> & 2<sup>nd</sup> year students

#### 3.5. Committees involved in:

- Department level: Departmental library incharge, assigning invigilation duties
- Institute Level:

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

#### 4.1. Conducted:

#### 4.2. Attended:

- Attended a seminar on "Understanding the Higgs Boson" by Prof. Sridhar Rao on 14/07/14 at VNR VJIET.
- Attended Foundation day lecture by D.N.Reddy on 21<sup>st</sup> sep, 2014
- Attended a seminar on "Curriculum design & development" on 2<sup>nd</sup> April, 2015 at VNRVJIET

- Attended a seminar on overview of MATHEMATICA for education on 23<sup>rd</sup> Jan 2015
- Attended a three day workshop on “FINITE ELEMENT METHOD IN MECHANICAL ENGINEERING” 25<sup>th</sup> – 27<sup>th</sup> Feb, 2016.
- Attended a two day workshop on “Basic tools in Mat lab and R-Language at VNRVJIET, from 17<sup>th</sup> – 18<sup>th</sup> March, 2016.
- Attended a workshop on “Matrix Analysis through Octave” at VNRVJIET, on 12<sup>th</sup> May, 2016.
- Attended a two day workshop on “Innovative Pedagogy for Teaching and Learning Engineering Mathematics” at JNTUH College of Engineering, Hyderabad, from 29<sup>th</sup>-30<sup>th</sup> June, 2016.
- Attended a workshop on “Arduino for Everyone” at VNRVJIET, on 1<sup>st</sup> July, 2016.
- Attended an International conference on “Advanced Material Technologies (ICAMT)” at Dadi Institute of Engineering & Technology, Visakhapatnam during 27<sup>th</sup>-28<sup>th</sup> December, 2016.
- Attended a National workshop on” Applications of Advanced Mathematics in Engineering & Science” at Andhra University College of Engineering(A), Andhra University, Visakhapatnam from 28<sup>th</sup> February to 1<sup>st</sup> March, 2017.
- Attended a one week workshop on “Advanced Numerical Modelling Techniques for Mechanical Engineering” held during 27<sup>th</sup>-31<sup>st</sup> March 2017 at VNRVJIET, Hyderabad.

## 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: NIL

5.2. Articles/Chapters published in Books: NIL

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided:

a) UG: Nil

b) PG: Nil

5.5. Research Interests:

- Group Theory
- Graph Theory

5.6. Ph.D students: Nil

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/ISS N No.	Impact Factor/ Citation Index	National/ International
1	Tensor components and indices of faintness for magneto electric ferroic species.	IOSR Journal of Applied Physics , vol 3, issue4 (2013), pp: 01-07.)	E-ISSN: 2278-4861		National

2	Quadrupole arrangements in ironoxy borate.	International Journal of Pure and Applied Physics, vol 9, Number1(2013), pp:67-72	ISSN:0973-1776		International
3	Tensor pairs of Langbeinite family of crystals.	Bulletin of Pure & Applied sciences, vol 32E(Math and Stat.) Issue (N0:1) 2013, pp:93-97			National
4	Magneto-Electric Polarizability Space Groups	International Journal of Applied Physics (IJAP) Vol.3, no 2 (2013) pp 71-78	ISSN:2249-3174		International
5	Domain pairs of the ferroic species of Langbeinite family of Crystals	International Journal of Current Research and Review. Vol.5 (21) 2013 pp 92-95	ISSN:2231-2196		International
6	Ferrotoroidal properties of Non-crystallographic point groups	Iop conference series : Materials science and Engineering	Vol(225), 1		National

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Ferrotoroidal Properties of Non-Crystallographic point Groups	International conference on Advanced Material Technologies (ICAMT)-2016	International	27 <sup>th</sup> -28 <sup>th</sup> December 2016

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:**

**7. Motto:**

