

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

KNOWLEDGE ASSET 2022-23

Name: Dr.E.Prasad  
Designation: Asst Professor  
Department: Mathematics-H&S  
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Experience (in years): 15      Teaching: 15      Research:      Others(if any, specify):

**1. Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	PhD	2018	Mathematics & Software Technology
2	MSc	2007	Mathematics
3	BSc	2005	MStCs
4	Intermediate	2002	MPC

**2. Teaching and Learning:**

- 2.1. Teaching Interests:
- 2.2. Novel Teaching & Learning Techniques adopted:
- 2.3. Involvement in curriculum updating / Design:

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

- 3.1. Interests and Hobbies: Acquire Knowledge of new technologies
- 3.2. CCA/ECA Organized:
- 3.3. CCA/ECA participated:
- 3.4. Counselling and Mentoring Activity:
- 3.5. Committees involved in:
  - Department level:
  - Institute Level:

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

- 4.1 Conducted:-5
- 4.2 Attended:15

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

- 5.1. Invited Lectures: 2
- 5.2. Articles / Chapters published in Books: 01
- 5.3. Books published as single author or as editor:1
- 5.4. Projects Guided :0

a) UG :    b) PG :

5.5. Research Interests :Mathematical Modeling and AIML modals

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	Vectors of Identity matrix are the only Solution for a Special Linear System of Equations and Linear Programming Problems	JOURNAL OF ALGEBRAIC STATISTICS  Volume 13, No. 1, 2022, p. 567-585	ISSN: 1309-3452	-	International

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Cyclotomic polynomials and numbers.	International e- Conference on Number Theory and Differential Equations (ICND–2021) December 20-24, 2021	International	December 20-24

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 / Honours received:

### Patents

- Computational Fluid Dynamics Based Model for Thermal Monitoring and Data Centers  
The Patent Office Journal No. 44/2020 Dated 30/10/2020 55246 in Part 1
- Two-temperature magneto-thermo elasticity for heat conductivity

- Application Number: 202241026851, Published Date-20/05/2022  
Mathematical modeling and Internet of things based Patient health monitoring system
- Application Number: 202241028401, Published Date-27/05/2022

**Books Published**

- Published a Book Chapter titled “Facts behind Linear Systems of Differential Equations and Symmetric Matrix”, in B P International publishes with DOI: 10.9734/bpi/nramcs/v4/6177F, Print ISBN: 978-93-5547-727-9, eBook ISBN: 978-93-5547-728-6, Published Date-28/05/2022

**7. Motto:** Maths is life to science!