Name: Swarnakar Dornala

Designation: Assistant Professor
Department: Humanities & Science
Mail I'd: swarnakar_d@vnrvjiet.in

Experience (in years):   Teaching: 16   Research: 05
        Others(if any, specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	Submitted	NUMERICAL METHODS
2	M.Sc	2007	Applied Mathematics
3	B.Sc.	2003	M.St.CS

2. Teaching and Learning:
2.1. Teaching Interests: Analytical and Numerical mathematics

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: Reading News Papers and Playing Games

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: No

3.5. Committees involved in:

   Department level: Time Table coordinator,Remedial and Bridge Courses cocordinator

   Institute Level: Member in Convergence refreshment committee, incharge for Dept..Banners and member in Finishing School.

4. Conference / Workshop / Seminar / Guest Lectures :
4.1 Conducted:
   i)

   ii)

4.2 Attended:

- Attended Orientation Program on Research Methodology for Science Research Scholors organized by Dean,Faculty of Science,KU,Warangal.

- Attended an International conference on Computational Fluid Flow and Heat Transfer-2018 organised by Dept.Of Mathematics,NIT-Warangal.

- Attended One Week Short Term Program on Mathematical Modeling & Numerical Techniques in Engineering & Science during October-2018 organised by Dept.of Mathematics,NIT-Warangal.

- Attended a FDP "EXPERT GUIDELINES IN TEACHING AND RESEARCH METHODS IN ENGINEERING MATHEMATICS" conducted by VBIT,Ghatkesar,Hyderabad.

- Attended a three day workshop on"REIMAGINESTEM" conducted by VNRVJIET,HYD.

- LECTURES ON TEXAS INSTRUMENTS,POGIL,INTROPOGIL,ART OF TEACHING

- Attended National Conference on "Recent Advanced Applications of Mathematical Sciences to Engineering" conducted by VNRVJIET,H & S Dept on 21st,22nd,23rd of December-2012.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapterspublished inBooks: Nil

5.3. Bookspublishedassingleauthororaseditor: Nil

5.4. Projects Guided : NA

       a) UG :

       b) PG :

5.5. Research Interests : Advanced Numerical Techniques

5.6. Ph.Dstudents : NA

       a) Enrolled :

       b) Submitted:

       c) Awarded:

5.7. Papers published in reviewed journals : Nil

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Numerical Solution of Boundary Layer Problem Using Second Order Variable Mesh Method	Communications in Mathematics and Applications Vol. 11, No. 3, pp. 489–497, 2020	ISSN 0975-8607 (online); 0976-5905 (print)	—	International
2	AN EXTENDED FINITE DIFFERENCE METHOD FOR SINGULAR PERTURBATION PROBLEMS ON A NON-UNIFORM MESH	Int. J. of Applied Mechanics and Engineering, 2022, vol.27, No.1, pp.203-214	DOI: 10.2478/ijame-2022-0013		International
3	Computational Approach for a Singularly Perturbed Differential Equations With Mixed Shifts Using a Non-Polynomial Spline	Int. J. Anal. Appl. (2023), 21:5	ISSN: 2291-8639		International

5.8. Papers presented at National / International Journals : Nil

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	An Extended Finite Difference Method for SPP on Non-Uniform Mesh	Telangana Academy of Sciences	International	22-24th December-18
2	Numerical Solution of Boundary Layer Problem using Second Order Variable Mesh Method.	CFFHT-2018	International	28-29th March-18

5.9. Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

    6.1 Qualified **APSET-2012** conducted by **Osmania** University

    6.2 Ratified as an Assistant Professor in 2017 by **JNTUH**

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7. Motto: "We must be knowledgeable to everything because we are living in a competitive world.**"**