

## RAJANI PUNUKOLLU

**Department:** Basic Sciences and Humanities

**College:** Gudlavalleru Engineering College



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### **RESIDENTIAL ADDRESS:**

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**ACADEMIC QUALIFICATIONS:** M.Sc.

**ACADEMIC REWARDS / ACHIEVEMENTS:** NIL

### **PROFESSIONAL EXPERIENCE:**

Designation	Institution	Period
Asst. Professor	Gudlavalleru Engineering College, Gudlavalleru	06-06-2009 to Till date
Lecturer	A.N.R. College, Gudivada	03-06-2003 to 31-05-2009

### **PROJECTS GUIDED:**

PhD	Post Graduation	Under Graduation
NIL	NIL	NIL

**SPECIALIZATION:** Mathematics

**RESEARCH PAPERS / BOOKS:** 05

**BOOKS PUBLISHED IN PUBLICATIONS:** NIL

### **RECENT PUBLICATIONS/CONFERENCES:**

International/National Journals	International / National Conferences
04	01

### **International/ National Journals:**

1. "Selection of Bio-implant Materials using Entropy and Analytic Hierarchy Process"  
Research & Review: A Journal of Bioinformatics, ISSN: 2393-8722, Vol. 4, Issue 3, PP-15-21, Dec 2017.

2. “Analytic Hierarchy Process (AHP) as a Decision – Making Tool for Spouse Selection” : SIDDHANT A Journal of decision making, Volume – 17 , Issue-2, PP-107-113, DOI:10.5958/2231-0657.2017.00012.X April – June 2017.
3. “Implementation of Analytic Hierarchy Process(AHP) as a decision support tool for selection of Robot for spot welding operation: International Journal of Research in Engineering and Technology, Vol-5 Special issue. DOI:10.15623/ijret.2016.0528002PP7-12, September 2016.
4. “Quantification of Subjectivity for better Decision making Role of Mathematics” GEC’s International Journal of Innovation Technology and Management, Volume I, Issue II, ISSN : 2394-594X (August, 2015), PP-6-69.

#### **International / National Conferences:**

- 1) Participated in International Conference on Energy Environment and Engineering (ICEEE)- 2016, a paper on “Role of Mathematics in Quantification of Subjectivity for better decision making, held in Coimbatore Institute of Technology, Coimbatore, 29<sup>th</sup> February to 02<sup>nd</sup> March 2016.
- 2) Presented a paper in International conference on Mathematics and statistics applications ,a paper on ,”Neutrosophic positive implicative N-ideal in BF algebras “organized by Vignan’s university,Guntur during 10-11 june,2022
- 3) Presented a paper in International conference on Recent development in Mathematics, a paper on ,”Neutrosophic N ideals and N filters of BF algebra “organized by Canadian university,Dubai during 24-26 August,2022
- 4) Presented a paper in International conference on Mathematical sciences and emerging applications in Technology,a paper on “ Neutrosophic N- filters of BF algebra “organized by GITAM university ,Hyderabad during 09-11,September,2022.
- 5) Presented a paper in International conference on Algebra,Analysis and applications,a paper on ,”Neutrosophic ideals and filters of BF algebra “organized by Manipal institute of Technology during 06-08 january,2023.
- 6) Presented a paper in National conference on Advances in Mathematical Sciences and its applications,a paper on ,”Neutrosophic set theory applied to BF algebras “organized by Acharya Nagarjuna University during 17-18 ,March,2023.

#### **LIST OF WORKSHOPS ORGANIZED:**

- ❖ “Optimization techniques and its applications” at Gudlavalleru Engineering College, Gudlavalleru on 13-09-2014.

#### **LIST OF WORKSHOPS /SEMINARS ATTENDED:**

1. Four day workshop on “Numerical Methods with Matlab” (Theory & Hands on Experience) organized by BS&H dept., Gudlavalleru Engineering College, Gudlavalleru, from 25–28 June 2018.
2. “A Five - Day workshop on R-Programming for Statistical Computations”, Part-I, organized by dept. of BS&H, Gudlavalleru Engineering College, Gudlavalleru, 24 – 25 June 2017.
3. Two day workshop on ““Multivariate Analysis using R-Software” Conducted by Gudlavalleru Engineering College, Gudlavalleru on 12<sup>th</sup> & 13<sup>th</sup> November, 2016.
4. One Day Workshop on “Fuzzy Mathematics in Engineering Control : An Example Oriented

Treatise” Conducted by Gudlavalleru Engineering College, Gudlavalleru on 21st February, 2016.

5. Attended Two – Week ISTE workshop on “Signals & Systems” from 2<sup>nd</sup> to 12<sup>th</sup> January 2014 organized by IIT, Kharagpur at Gudlavalleru Engineering College, Gudlavalleru as Remote centre. This workshop was held under the National Mission on Education through ICT (MHRD).
6. Attended in One-day State Level Two Day Workshop on “Applications of Mathematics in Engineering” (As per JNTUK R13 - Syllabi) from 09<sup>th</sup> & 10<sup>th</sup> November 2013 Organized by Gudlavalleru Engineering College, Gudlavalleru.

**CERTIFICATIONS: 03**

- 1) NPTEL Certification on “Discrete Mathematics”
- 2) NPTEL Certification on “Fuzzy Logic & Neural Networks”
- 3) NPTEL Certification on “Numerical Analysis”

**INDUSTRIAL TRAINING: NIL****GUEST LECTURES DELIVERED: NIL****MEMBERSHIP IN PROFESSIONAL BODIES: APSMS****CONSULTANCY ACTIVITIES: NIL****GRANTS FETCHED: NIL****Online FDP's / Workshops :**

<b>International</b>	<b>National</b>
<b>1</b>	<b>8</b>

**International:**

- 1) Two-day International virtual FDP on “Innovative Techniques for Effective teaching Online & Offline” organized by Mahatma Gandhi Institute of Technology, Hyderabad from 12-06-2020 to 13-06-2020.

**National:**

- 1) Faculty Development Program on “Mathematical modeling in Multidisciplinary Domain” organized by Bannari Amman Institute of Technology, Satyamangalam from 01-06-2020 to 07-06-2020.
- 2) Faculty Development Program on Multidisciplinary Approach towards Emerging trends in Science & Humanities. [MASH – 2020]” organized by Ramachandra College of Engineering, Eluru from 01-06-2020 to 05-06-2020.
- 3) Faculty Development Program on “Real Life Applications of Fuzzy Mathematics” organized by St. Peter’s Institute of Higher Education & Research, Chennai on 22-05-2020.
- 4) Online Course on “Operations Research” conducted by VHNSN College, Virudhunagar from 18-05-2020 to 20-05-2020
- 5) National level Faculty Development Program V2.0 organized by North Storm Academy from 13-05-2020 to 14-05-2020.
- 6) Faculty Development Program on NBA organized by Bharathi Vidyapeeth College of Engineering, Navi Mumbai on 13-05-2020.
- 7) 2-day workshop on “Modern methods for Remote Teaching Learning practices” organized by Krishna University, Machilipatnam from 12-05-2020 to 13-05-2020.
- 8) 5-day workshop on “Mathematical Sciences for UGC/CSIR NET/SET/GATE aspirants” organized by Sree Narayana Guru College of Engineering, Coimbatore from 11-05-2020 to 15-05-2020.

**Online Webinars :**

<b>International</b>	<b>National</b>
<b>1</b>	<b>5</b>

**International:**

- 1) International webinar on “Mathematics : Tracing of Curve” organized by Bharathi Vidyapeeth College of Engineering, Pune on 09-05-2020.

**National:**

- 1) Webinar on “Mathematics Made Easy with Breath & Yoga” organised by New Horizon College of Engineering” Bengaluru on 18-07-2020.
- 2) Webinar on “Impact of COVID in Engineering Education & Way forward” organized by ISTE, Gudlavalleru Engineering College on 09-06-2020.
- 3) Webinar on “Cryptography & Current trends in security for pervasive applications” organized by Adikavi Nannaya University, Rajahmundry on 05-06-2020.
- 4) Webinar on “Effective Conduction of Online classes using Zoom” organized by IUCEE virtual academy on 21-05-2020.
- 5) National level Webinar on “Mathematics is Everywhere” organized by Free Conference on 12-05-2020.