

# Mrs. Venkata Ratna Prabha K



**Designation** : Assistant Professor  
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**Contact at** : EC-354, Department of Electronics and Communication Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Deemed to be University, Kanuru, Vijayawada, Krishna (Dt.), Andhra Pradesh 520007.

## Education

**Ph.D. (Electronics and Communication Engineering)**

*(Pursuing), JNTUK, Kakinada*

**M.Tech (Communication Engineering and Signal Processing)**

*2013, Jawaharlal Nehru Technological University, Kakinada*

**B.Tech (Electronics and Communication Engineering)**

*2010, Andhra University, Vishakapatnam*

## Experience

| Period         | Designation         | Institution / Organization                            |                                                                                                                                                                                                                          |
|----------------|---------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2014-Till Date | Assistant Professor | Velagapudi Ramakrishna Siddhartha Engineering College | Syllabus preparation, Student Counselling, UG projects guidance, alumni coordinator, research publications, NBA/NAAC/ coordination. Attending conferences, seminars, faculty development programs and training programs. |

## Research Interests

**Broad Area of Research :**

- Bio-Medical Image Processing

- Digital Image Processing
- Machine Learning

## Courses Taught

| S.No | Course Name                             | Level (UG/PG) |
|------|-----------------------------------------|---------------|
| 1    | Signals and Systems                     | UG            |
| 2    | Linear Control Systems                  | UG            |
| 3    | Probability Theory and Random Processes | UG            |
| 4    | Analog Communications                   | UG            |
| 5    | Basics of Electronics                   | UG            |
| 6    | Problem Solving using Python            | UG            |
| 7    | High Speed Communications               | UG            |
| 8    | Probability Theory and Random Processes | PG            |

## Research Profile

### Publications

The recent publications and research contributions can be viewed from the following URLs

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Google Scholar | <a href="https://scholar.google.com/citations?hl=en&amp;view_op=list_works&amp;gmla=AL3_zih00jWwGr3XPHFzkJnpJJOhaBH35h2sexA5_ENevmrKg2tVJ4p99V8OVmGvnq41v4dGPrj-m-igdnSEuzhlTPGehi8YN4NkFMJjs5E4&amp;user=_bfhl0gAAAAJ">https://scholar.google.com/citations?hl=en&amp;view_op=list_works&amp;gmla=AL3_zih00jWwGr3XPHFzkJnpJJOhaBH35h2sexA5_ENevmrKg2tVJ4p99V8OVmGvnq41v4dGPrj-m-igdnSEuzhlTPGehi8YN4NkFMJjs5E4&amp;user=_bfhl0gAAAAJ</a> |
| Scopus         | <a href="https://www.scopus.com/authid/detail.uri?authorId=57211353172">https://www.scopus.com/authid/detail.uri?authorId=57211353172</a>                                                                                                                                                                                                                                                                                                 |
| ORCID          | <a href="https://orcid.org/0000-0002-7234-2363">https://orcid.org/0000-0002-7234-2363</a>                                                                                                                                                                                                                                                                                                                                                 |
| Research Gate  | <a href="https://www.researchgate.net/profile/Venkata-K-2">https://www.researchgate.net/profile/Venkata-K-2</a>                                                                                                                                                                                                                                                                                                                           |
| LinkedIn       | <a href="https://www.linkedin.com/in/ratna-prabha-k-v-b797951a4/?originalSubdomain=in">https://www.linkedin.com/in/ratna-prabha-k-v-b797951a4/?originalSubdomain=in</a>                                                                                                                                                                                                                                                                   |
| IRINS          | <a href="https://vrsiddhartha.irins.org/myprofile">https://vrsiddhartha.irins.org/myprofile</a>                                                                                                                                                                                                                                                                                                                                           |

### Recognized Research Supervisor

| S.No. | Department | University |
|-------|------------|------------|
| 01.   | --         | --         |
| 02.   | --         | --         |

## Funded Research Projects

| S.No. | Type | Title | Status | Funding Agency | Amount (INR) | Duration |
|-------|------|-------|--------|----------------|--------------|----------|
| -     | -    | -     | -      | -              | -            | -        |

## Administrative Roles

| S.No. | Role               | Institution | Duration     | Responsibilities  |
|-------|--------------------|-------------|--------------|-------------------|
| 1     | Alumni Coordinator | VRSEC       | 2020-Present | Alumni Engagement |

## Certifications/MOOC Courses Completed

| S.No. | Title                                                | Platform   | Duration | Year |
|-------|------------------------------------------------------|------------|----------|------|
| 1.    | Programmiing,algorithms,data structures using python | NPTEL      | 8 Weeks  | 2024 |
| 2.    | Introduction to neuro hacking                        | course era | -        | 2021 |
| 3     | Introduction to R                                    | course era | -        | 202  |

## Consultancy / Industry Projects

|           |    |
|-----------|----|
| Completed | 00 |
| On-going  | 00 |
| Applied   | 00 |

## Patents

| S.No | Title         | Status | Application | Year       |
|------|---------------|--------|-------------|------------|
| 1.   | AN AI POWERED | Grant  | 364036-001  | 11.05.2022 |

|  |                                 |  |  |  |
|--|---------------------------------|--|--|--|
|  | FACIAL<br>RECOGNITION<br>SYSTEM |  |  |  |
|--|---------------------------------|--|--|--|

## Ph.D

|         |    |
|---------|----|
| Awarded | 00 |
| Guiding | 00 |

## Invited Talks

|                      |   |
|----------------------|---|
| No. of Invited Talks | - |
|----------------------|---|

## Professional Service / Reviewer

ICMACC 2024.

## Professional Development Activities - Participations

|                                                                  |    |
|------------------------------------------------------------------|----|
| Faculty Development and Training Programmes<br>(at least 5 Days) | 30 |
| International / National Level Seminars                          | 15 |
| International / National Level Conferences                       | 18 |
| Workshops                                                        | 12 |
| Instructor Led / Self-Paced Courses                              | 09 |
| Webinars                                                         | 16 |

## Professional Bodies Membership Details

| S.No. | Membership No. | Society Name |
|-------|----------------|--------------|
| 1.    | M-505094       | IETE         |

*Ratna Prabha K.*

(Mrs.Venkata Ratna Prabha K)

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