

# Faculty Profile

## Dr. Pradip S.Varade

M.E., Ph.D.(E&TC Engineering),

### Associate Professor

Associate Professor, Department of E&TC Engineering

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## Educational Qualifications

| Degree                         | University/Institution                                                                   | Year of Passing |
|--------------------------------|------------------------------------------------------------------------------------------|-----------------|
| Ph.D.                          | Savitribai Phule Pune University, Pune, Maharashtra India.                               | 2018            |
| Master of Engineering (M.E.)   | Digital Electronics<br>Sant Gadgebaba University Amravati Maharashtra India              | 2007            |
| Bachelor of Engineering (B.E.) | Electronics & Telecommunication,<br>Sant Gadgebaba University Amravati Maharashtra India | 2000            |

## Professional Experience

| Sr. No. | Institute / University | Designation         | Nature of Appointment  | Duration   |            | Last Salary   |
|---------|------------------------|---------------------|------------------------|------------|------------|---------------|
|         |                        |                     |                        | From       | To         |               |
| 1.      | PICT Pune              | Associate Professor | Full Time (OBC to OBC) | 01-05-2022 | Till Date  | Rs. ₹179320/- |
| 2.      | PICT Pune              | Assistant Professor | Full Time (OBC to OBC) | 08-09-2008 | 30-04-2022 | Rs. 121314./- |
| 3.      | PICT Pune              | Lecturer            | Full Time(OBC to OBC)  | 04-01-2002 | 07-08-2008 | Rs.24489/-    |

## Research Publications

### SCI INDEXED JOURNAL PUBLICATIONS (PLEASE MENTION Q1 / Q2 / Q3/ Q4 )

1. P. S. Varade and Y. Ravinder, "Quality Constrained Multi Attribute Energy Efficient Resource Allocation For Cognitive Radio Network" IET communications journal. SCI Indexed. DOI: 10.1049/iet-com.2018.5254 (Q2)
2. P. S. Varade, Y. Ravinder and H. Kulkarni, "Geolocation Aware Resource Allocation In Cellular Based Cognitive Radio Networks With Green Communication Perspective" Journal of Engineering Science and Technology (JESTEC). (ESCI and Scopus Indexed) (Q3)

### SCOPUS INDEXED JOURNAL PUBLICATIONS (PLEASE MENTION Q1 / Q2 / Q3/ Q4 )

1. P. S. Varade, A. Wable Y. Ravinder, and R.C. Jaiswal "Throughput Maximization of Cognitive Radio Multi Relay Network with Interference Management" International Journal of Electrical and Computer Engineering (IJECE) Vol. 8, No. 4, August 2018, pp. 2230~2238 ISSN: 2088-8708,, DOI: 10.11591/ijece.v8i4.pp2230-2238, Scopus Indexed (Q3)
2. P Palsodkar, P Palsodkar, A Gokhale, PS Varade, H Vyawahare," Digital Railway Signaling and Collision Avoidance System, Grenze International Journal of Engineering & Technology (GIJET), 2024, Vol 10, Issue 1, Part 3, p2081. ISSN 2395-5287 (Q4)

### UGC CARE JOURNAL PUBLICATIONS

1. P. Mangale, Y. Ravinder, and P. S. Varade," Testbed Implementation of Energy Efficient Multi Antenna System and its Performance Evaluation " ICTACT JOURNAL ON COMMUNICATION TECHNOLOGY, VOLUME: 08, ISSUE: 04 P 1650-1655, DECEMBER 2017. DOI: 10.21917/ijct.2017.0242

### REFERRED JOURNAL PUBLICATIONS

1. Vidhi Sharma, Savani Adhikari, Sarvesh Malpani, Dr. Pradip Varade "ExpertsCloud-A mobile application to find local tutors" accepted for publication at International Journal Advances in Engineering and Management(IJEAM) Volume 4 , Issue 9, September 2022 , Page No : 753-757. ISSN: 2395-5252. DOI : 10.35629/5252-0409753757.
2. Meghraj Salunke and Prof. P. S. Varade Rohit Deshmukh," Cooperative Spectrum Sensing Using 5G Cognitive Radio Network", IJREAT International Journal of Research in Engineering & Advanced Technology Volume 11, Issue 4, Pages 1-6, sept 2023.
3. Rahul Kulkarni, Dr. Pradip Varade, Dr. R.G. Yellalwar," NLP and Human-Computer Interaction: Enhancing User Experience through Language Technology", International

### Books Published : Nil

| Sr. No. | Title | Publisher & Year |
|---------|-------|------------------|
|---------|-------|------------------|

### Conferences / Seminars Attended

[1] P.S. Varade and Y. Ravinder “Novel Testbed Implementation for Resource Allocation in Cognitive Radio for Green Communication” at IEEE ICAECCT 2016 Pune, India. DOI: 10.1109/ICAECCT.2016.7942582

[2] P.S. Varade and Y. Ravinder “Optimal Spectrum Allocation in Cognitive Radio using Genetic Algorithm” at IEEE Indicon 2014 Pune India on 12-13 Dec 14. The paper is available on IEEE explore. DOI 10.1109/INDICON.2014.7030480.

[3] V. Kulkarni, P.S. Varade and Y. Ravinder “Channel Selection Strategy for Cognitive Radio using ns2” at IEEE Conference on Human Computer Interactions (ICHCI 2013) Chennai Tamilnadu on 23rd and 24th Aug 2013. The paper is available on IEEE explore

DOI <http://dx.doi.org/10.1109/ICHCI-IEEE.2013.6887771>

[4] P. S. Varade and Y. Ravinder “Quality Constrained Multi Attribute Energy Efficient Resource Allocation for Cognitive Radio Network” IET communications journal, Vol. 12, No. 18, November 2018, PP.2290-2296. SCI Indexed. Impact Factor: 1.779

DOI: 10.1049/iet-com.2018.5254

[5] P. S. Varade, Y. Ravinder and H. Kulkarni, “Geolocation Aware Resource Allocation In Cellular Based Cognitive Radio Networks With Green Communication Perspective” Journal of Engineering Science and Technology (JESTEC), Vol.13, Issue 12, Dec 2018. (ESCI and Scopus Indexed)

[6] P. S. Varade, A. Wable Y. Ravinder, and R.C. Jaiswal “Throughput Maximization of Cognitive Radio Multi Relay Network with Interference Management” International Journal of Electrical and Computer Engineering (IJECE), Vol. 8, No. 4, August 2018, pp. 2230~2238 ISSN: 2088-8708. (Scopus Indexed) DOI: 10.11591/ijece.v8i4.pp2230-2238

### Awards & Recognitions

|    |                                                     |            |                                                                                                                                                                                                                                                                                                                  |
|----|-----------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | <b>Best Paper award is adjudged to P. S. Varade</b> | April 2022 | For presenting a paper "Energy Efficiency and Throughput maximization for 5G Green IoT Networks using Ambient Backscatter Communication" at Third International Conference on Internet of Things (Iciot-2022), Springer Conference, by SRM Institute of Science and Technology, Chennai, India 5 - 7 April, 2022 |
|----|-----------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|   |                                       |          |                                                                                                                                                                                                                     |
|---|---------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | <b>IIEECP course with Distinction</b> | Jan 2023 | <b>For Successfully completing and securing Distinction (93%) in IUCEE's International Engineering Educators Certification Program IIEECP 2022 (6Months duration Extensive Program) From July 2022 to Jan 2023.</b> |
|---|---------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Areas of Interest

| Sr. No. | Area                                     |
|---------|------------------------------------------|
| 1       | Digital Communication                    |
| 2       | Information Theory and Coding techniques |
| 3       | Cognitive Radio                          |