



Ph.D. Research Center

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

About PICT Research Center:

The department's research center was established in the year 2012 under Savitribai Phule Pune University (SPPU) for the faculty of Electronics and Telecommunication Engineering, Pune. The research center aims to conduct high-quality academic and applied research and provide support for effective exploration and development of quality research work. The research center is well-equipped with high configuration systems with internet connectivity and access to digital resources like eBooks, eJournal, etc. The research scholar undertakes research in various fields like Wireless Communication, Antenna, Adaptive, Smart Antennas, Cognitive Radio, Image Processing, Network Security / Information Security, Computer Network/ Communication Network, Internet Traffic Modelling, Mechatronics, Devices and Circuits, Biomedical Signal and Image Processing Data Science, Machine learning, Cloud Computing, etc.

1. Admission Data:

<u>S. No.</u>	<u>Admission Year</u>	<u>Admitted Candidates</u>	<u>PhD Status</u>
1	AY:2014-15	2	Completed
2	AY:2016-17	1	In process
3	AY:2020-21	3	In process
4	AY:2021-22	2	In process
5	AY:2023-24	8	In process
6	AY:2024-25	2	In process

2. List of the Research Scholars Ph.D. Awarded:

Sr. No.	Name of the Research Scholar	Date of Admission	Category	Name of Research Guide	Year of Ph.D. awarded
1	Vaibhav B. Vaijapurkar	AY:2014-15	Open	Dr. Y. Ravinder	2023
2	Rajendra G. Yelalwar	AY:2014-15	NT	Dr. Y. Ravinder	2023
3	Sushant J Pawar	AY:2016-17	Open	Dr. S. T. Gandhe	2025



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3. List of the Research Scholars Ph.D. Ongoing:

Sr. No.	Name of the Research Scholar	Date of Admission	Category	Name of Research Guide	Current Status
1	Priya Sunil Sawant	AY:2020-21	Open	Dr. R. Sreemathy Co Guide- Dr S T Gandhe	Pre-submission Seminar completed. Co Guide is allocated. Publications: 02 journal & 02 conference papers
2	Vaishali U. Gongane	AY:2020-21	Open	Dr. M. V. Munot	Completed six Half-yearly PhD progress presentations. Compressive presentation of PhD work is conducted ,Recommended for Pre Submission seminar Publications: 02 journal & 03 conference papers
3	Seema A. Bhalgaonkar	AY:2020-21	Open	Dr. M. V. Munot	Completed seven Half-yearly PhD progress presentations. (14/01/2025) Publications: 01 journal & 03 conference papers
4	Nitesh H. Shenare	AY:2021-22	Open	Dr. S. K. Moon	Completed four Half-yearly PhD progress presentations. (30/01/2025)
5	Shahadev D. Hake	AY:2021-22	NT	Dr. R. C. Jaiswal	Completed four Half-yearly PhD progress presentations. (30/01/2025) Publications: 02 Journal
6	Amol Sukhadeorao Ingole	AY:2023-24	SC	Dr. S. K. Moon	Completed two Half-yearly PhD progress presentations. (15/01/2025)
7	Ananya Ajay Gawari	AY:2023-24	ST	Dr. R. C. Jaiswal	Completed two Half-yearly PhD progress presentations. (25/01/2025)
8	Asha Rahul Digge	AY:2023-24	SBC against Open	Dr. S. K. Moon	Completed two Half-yearly PhD progress presentations. (25/01/2025)
9	Ashwini Rajendra Deshmukh	AY:2023-24	Open	Dr. M. V. Munot	Completed two Half-yearly PhD progress presentations. (31/01/2025)
10	Shriram Mulla Madavi	AY:2023-24	ST against Open	Dr. S. K. Moon	Completed two Half-yearly PhD progress presentations. (15/01/2025)
11	Suhas Mahadeo Patil	AY:2023-24	Open	Dr. R. C. Jaiswal	Completed two Half-yearly PhD progress presentations. (14/01/2025)
12	Aishwarya R. Gangajaliwale	AY:2023-24	Open	Dr. R. C. Jaiswal	Completed two Half-yearly PhD progress presentations. (25/01/2025)
13	Prachiti Charade	AY:2023-24	OBC	Dr. S. K. Moon	Completed two Half-yearly PhD progress presentations (31/01/2025)



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4. List of the Research Scholars Ph.D. Topic Approved:

Sr. No.	Name of the Research Scholar	Research Guide	Topic Approved
1	Priya S. Sawant	Dr. R. Sreemathy	Medical Image Analysis, Detection and Classification of Pulmonary Infections Using Machine Learning Approaches
2	Vaishali U. Gongane	Dr. M. V. Munot	AI based framework for analysis, detection and moderation of social media content.
3	Seema A. Bhalgaonkar	Dr. M. V. Munot	Development of a Framework for Visual Pattern Recognition Network (VPRN) Model Compression
4	Nitesh H. Shenare	Dr. S. K. Moon	Steganography and Stegoanalysis Using Digital Forensic Approach for Cyber Security
5	Shahadev D. Hake	Dr. R. C. Jaiswal	Design and Analysis of Circularly Polarized Microstrip MIMO Antenna
6	Amol S. Ingole	Dr. S. K. Moon	Application of radical steganography technique to enhance security, confidentiality, and authentication of secret data.
7	Ananya A. Gawari	Dr. R. C. Jaiswal	Design and analysis of novel power factor correction technique for power converter.
8	Asha R. Digge	Dr. S. K. Moon	Enhancing Information Security and its Authentication with Multimodal Biometric System.
9	Ashwini R. Deshmukh	Dr. M. V. Munot	Artificial Intelligence based models for Sound design pertaining to foley effects.
10	Shriram M. Madavi	Dr. S. K. Moon	An investigation security model for Internet of Things using intrusion detection technique.
11	Suhas M. Patil	Dr. R. C. Jaiswal	Digital watermarking framework for medical imaging
12	Aishwarya R. Gangajaliwale	Dr. R. C. Jaiswal	Investigation on power converter for electric vehicle application.
13	Prachiti A. Charade	Dr. S. K. Moon	Breast Cancer Detection and Analysis Using Fractal Features and Machine Learning Approach.

5. List of the Research Scholars admitted during AY:2024-2025

Sr. No.	Name of the Research Scholar	Date of Admission	Category	Selection again category	Name of Research Guide
1	Sandipkumar Shivaji Bhandare	11 March 2025	Open	Open	Dr. S. T. Gandhe
2	Adesh Ajitkumar Chandanshive	11 March 2025	SC	SC	Dr. R. C. Jaiswal