Faculty Profile

1. Name: **Dr. Pravin. Latane**
2. Designation: Assistant Professor, IT department,
3. Email :   platane.sit@sinhgad.edu, pclatane@gmail.com
4. Mobile: 9423166094
5. Date of Birth: 01/05/1974
6. Address: Department of IT, Sinhgad Institute of Technology, Kusgaon(BK), Lonavala, Pune. 401401 (M.S.) India.
7. Research Interests: **Embedded System, Internet of Things, Data Science, Antenna Design, Wireless sensor Networks, Control and Automation.**

Educational Details:

- **PhD** (Electronics and Communication), SGVU, Jaipur, Rajasthan, 2023.
- **M.E**. (Electronics), from Govt. COE, Aurangabad, First class, Jan 2010.
- **B.E.** (Electronics) from WCE, Sangli, First class, June 1997.
- **H.S.C**. from SBVE, Atpadi, First class with Distinction, June 1993.

Experience: (2&1/2 years Industrial and 24 years Teaching)

- July 2001-Dec 2001:- Lecturer in COE, Pandharpur. , MS .India
- Jan 2002-Aug 2003:- Lecturer in BV COE, Dhankavadi, Pune. , MS .India
- Aug 2003-Sep 2004:- Lecturer in COE, Malegaon, Baramati. , MS .India
- Sep 2004-June 2010:- Lecturer in COE, Kopargaon. , MS .India
- June 2010-July 2013:- Assistant Professor in ICOER, Wagholi, Pune. , MS .India
- July 2013-till date:- Assistant Professor in SIT, Lonavala, Pune. , MS .India

Professional Membership:

- ISTE (LM31916)
- IEEE (96135661)

Responsibilities:

- Taluka Coordinator at College Level
- Organized Two Days National Level Workshop on "IOT: Transformation in Engineering Education for Digital India" (Jan 2019)
- "Drishti" College Magazine Coordinator
- NBA/ NAAC Dept. Coordinator (till 2019)
- Techtonic 2015, 2016, 2017, 2018, 2019 Dept. Coordinator
- UG and PG Project Guide
- "YUKTI-NIR", IIC Coordinator from AY 2022-23
- Senior Supervisor from AY 2022-23
- Training and MOUs Head, SIT from AY 2023-24

Research publications:

- International Journals: **21**, International Conference: **12**, National Conference: **04**
- Google Citation :**11**, h-index: **02**, i10 index: **0** (Since 2019)

Books and Book Chapter Published:

- **Published a Book** "The Internet of Things Connecting Everything- Introduction, Sensor, Protocol, Application", at LAP Lambert Academic Publishing, ISBN: 978-620-5-50976-0, on 19 Oct. 2022.
- **Published a Book** "Design and Analysis of 4 Port MIMO Antenna Array for 5G Application", at LAP Lambert Academic Publishing, ISBN: 978-620-6-76736-7, on 10 Aug. 2023.
- **Published a Book Chapter** "Practical and Innovative Applications of IOT & IOT Networks Smart Home", Futuristic Trends in IOT, Volume 3, Book 7, IIP Series, Volume 3, May, 2024, Page no.47-58,

e-ISBN: 978-93-6252-172-9

Copyright and Patent Published:

- **Filed copyright** of antenna design on "Design of 4 port microstrip antenna array" having Diary Number- 17922/2022-CO/L on 26/08/2022 and is under status of "Registered", ROC No -L-119885/2022 on 21 Dec. 2022.
- **Filed copyright** on "Be My Eyes App for Blind People" having Diary Number- 2252/2024-CO/L on 19/01/2024 and is under status of "Registered", ROC No L-144557/2024 on 01 March 2024.
- **Filed copyright** on "SIGN GESTURE: LANGUAGE TO TEXT TRANSLATOR" having Diary Number- 2187/2024-CO/L on 19/01/2024 and is under status of "Registered", ROC No L-145696/2024 on 01 March 2024.
- **Published Patent** of antenna design on "Design of 4 Port MIMO Antenna Array for 5G Application" having Patent Application Number - 202321025187 on 03/04/2023 at 2.29 pm and is under status of "Published" on 05/05/2023.

Achievements and Awards:

- **Reviewer** for Indian Journal of Science and Technology (IJST).
- **Reviewer** for Indian Journal of Electrical and Computer Engineering (IJECE).
- **Reviewer** for 66th Annual IETE Convention (AIC).
- **Reviewer** for Asian Journal of Research in Computer Science (AJRCS).
- **Session Chair** (Track-IOT) for IEEE, 9th International Conference for Convergrnce in Technology (I2CT) on 5th April 2024.
- Worked as **Co-chair in cPGCON 2018** in SIT, Lonavala, Pune.
- Recognized as "**Innovation Ambassador**" at MoE's Innovation cell and AICTE, IIC.

- Received "**Best Teacher Award**" at Institute level in Sinhgad Institute of Technology, Lonavala for overall excellent contribution in AY 2022-23 on 15th September 2023.
- Completed final **defense of PhD viva-voice** titled "Design and Analysis of MIMO antenna array for 5G application" at Suresh Gyan Vihar University, Jaipur, Rajasthan on 28/06/2023.

- Received **NPTEL- Elite Certificate** on successfully completing the course on "Python for Data Scienc" with a consolidated score of 72% in Jan-feb. 2024 (4 Weeks).
- Received **"Top Performer Mentor Certificate"** as a Mentor of 55 students for NPTEL Course "Python for Data Science" on 24th March 2024.
- Received **NPTEL- Elite Certificate** on successfully completing the course on "Introduction to Industry 4.0 And Industrial Internet of Things" with a consolidated score of 71% in July-Oct. 2023 (12 Weeks).
- Received **NPTEL- Elite Certificate** on successfully completing the course on "Introduction to Internet of Things" with a consolidated score of 69% in July-Oct. 2023 (12 Weeks).
- Completed **8 Week NPTEL course** on "Evolution of Air Interface towards 5G" (Jan-Apr 2020 semester)

- Received **seed money sanction of Rs. 1,40,000/-** for the Establishment of an Anechoic Chamber in pre incubation center, under NISP, IIC, SIT, Lonavala by the President, Sinhgad Institutes, Pune.
- Received **SPPU grant of RS-2,50,000/-** for Two Days National Level Workshop On "IOT: Transformation in Engineering Education for Digital India".
- **Designed syllabus** for "Skill Based Training in Antenna Design and Testing in Anechoic Chamber", for the pre incubation centre, under NISP, IIC, SIT, Lonavala.
- Published **study material** of Subject "Internet of Things" for BE (E&Tc) students on vselfLearn Engineering online Platform.

- Appointed as "**Judge for Project Competition**" on 24/04/2023 at SKNSIT, Lonavala Department of Information Technology, SKNSIT, Lonavala.
- Appointed as "**Judge for Project Competition**" on 04/05/2023 at SIT, Lonavala Department of Electronics and Telecommunication, SIT, Lonavala.

- Appointed as **Chairman** for subject "TE 2019 Internet of Things (Elective - I) (Sem.-I) (314445 D) (Appt. No. 23206732)" from AY- 2023-24 by Board of study in Information Technology, SPPU.

- Appointed as **Chairman** for subject "BE 2015 Internet of Things (Elective - III) (Sem.-II) ((414464A) (Appt. No. 23245983)" from AY- 2023-24 by Board of study in Information Technology, SPPU.
- Appointed as **Chairman** for subject "ME Rev. 2017 Project Phase – I (Sem.-I) (514017), Project Phase – I (Sem.-I) (514417), Project Phase – II (Sem.-I) (514419) (Appt. No. 248171102)" from AY- 2023-24 by Board of study in Information Technology, SPPU.
- Appointed as **Chairman** for subject "ME 2017 Applied Algorithms (514403) (Appt. No. 2322570374)" from AY- 2023-24 by Board of study in Information Technology, SPPU.

- Appointed as "**Syllabus setter** for subject "Information and Storage Retrieval (2019)" of AY- 2022-23 by Board of study in Information Technology, SPPU.
- Appointed as "**Syllabus setter and Team Leader** for subject "Embedded System and RTOS (2019)" of AY- 2022-23 by Board of study in Electronics & Telecommunication, SPPU.
- Appointed as "**Syllabus setter and Team Leader** for subject Embedded System and RTOS BE(2019)" of AY- 2021-22 by Board of study in Electronics & Telecommunication, SPPU.

- Appointed as "**Paper Setter & Examiner** for subject Elective-VI- Augmented and Virtual Reality (414452 B) BE(2019)(Insem) (Appt. No. 24130480)" of AY- 2023-24 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Elective-I-Internet of Things (314445 D) TE(2019)(Insem) (Appt. No. 23206732)" of AY- 2023-24 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Elective-IV- Multimedia Technology (414444 C) (Appt. No. 23214183)" of AY- 2023-24 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Elective-VI- Augmented and Virtual Reality (414452 B) BE(2019)(Insem) (Appt. No. 23100220)" of AY- 2022-23 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Elective-I-Internet of Things (314445 D) TE(2019)(Endsem) (Appt. No. 22203616)" of AY- 2022-23 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject "Information and Storage Retrieval (414441) BE(2019)(Endsem) (Appt. No. 22229562)" of AY- 2022-23 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject "Microcontrollers (304184)" BE (2019)(Endsem) (Appt. No. 22203296)" of AY- 2022-23 by Board of study in Electronics & Telecommunication, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Applied Algorithms (514403) ME(2017)(Appt. No. 23106780)" of AY- 2022-23 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Elective-VI- Augmented and Virtual Reality (414452 B) (2019)(Endsem) (Appt. No. 23124873)" of AY- 2022-23 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Elective-I- Internet of Things (314445 D) (2019)(Endsem) (Appt. No. 23126959)" of AY- 2022-23 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Embedded System and RTOS (404184C) (2015)(Endsem) (Appt. No. 23128890)" of AY- 2022-23 by Board of study in Electronics & Telecommunication, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Information and Storage Retrieval (414441) (2019)(Endsem) (Appt. No. 23120537)" of AY- 2022-23 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject -Microcontrollers (304184) (2015)(Endsem) (Appt. No. 23126141)" of AY- 2022-23 by Board of study in Electronics & Telecommunication, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Elective-I-Internet of Things TE(2019)(Insem)" of AY- 2021-22 by Board of study in Information Technology, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Digital Circuits SE(2019)(Insem)" of AY- 2021-22 by Board of study in Electronics & Telecommunication, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Elective-I-Internet of Things

TE(2019)(Endsem)" of AY- 2021-22 by Board of study in Information Technology, SPPU.

- Appointed as "**Paper Setter & Examiner** for subject "Embedded System and RTOS BE(2015)(Endsem)" of AY- 2021-22 by Board of study in Electronics & Telecommunication, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Microcontrollers TE(2015)(Insem)" by Board of study in Electronics & Telecommunication, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Microcontrollers TE(2015)(Endsem)" by Board of study in Electronics & Telecommunication, SPPU.
- Appointed as "**Paper Setter & Examiner** for subject Embedded System and RTOS BE(2015)(Endsem)" by Board of study in Electronics & Telecommunication, SPPU.

- Received **Certificate of Appreciation** for contribution and efforts for incredible SPPU BE Sem-I result of AY 2022-23 in IT depart for subject "Multimedia Technology (90.14%)" on 15th September 2023.
- Received **Certificate of Appreciation** for contribution and efforts for incredible SPPU BE Sem-II result of AY 2022-23 in IT depart for subject "Data Science and Big Data Analysis (93.33%)" on 15th September 2023.
- Received **Certificate of Appreciation** for contribution and efforts for incredible SPPU BE Sem-II result of AY 2022-23 in IT depart for subject "Natural Language Processing (90.91%)" on 15th September 2023.
- Received **Letter of Appreciation** in Sem-I(2019-20) for SPPU Final Year E&TC result at STES Level of IOT(100%)
- Received **Letter of Appreciation** in Sem-II(2019-20) for SPPU Third Year E&TC result at STES Level of Mini Project (100%)
- Received **Letter of Appreciation** in Sem-I(2017-18) for SPPU ME E&TC result at STES Level of ESD (100%)
- Received **Letter of Appreciation** in Sem-I(2016-17) for SPPU ME E&TC result at STES Level of ESD (100%)
- Received **Letter of Appreciation** in Sem-II(2016-17) for SPPU ME E&TC result at STES Level of ESP (100%)
- Received **Letter of Appreciation** in Sem-II(2016-17) for SPPU BE E&TC result at STES Level of BCS (100%)

- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in one week "Train the Trainers" Program at IT Department, SKNSIT, Lonavala on the new curriculum of TE IT (2019 Course) for the subject "Data Science and Big Data analytics" held on 26th to 30th Dec. 2023.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in one week FDP on "Recent Advances and Future Trends in AI Tools, Computer Vision and NLP" Program at IT Department, SKNSIT, Lonavala on 28th February 2024.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in one month Workshop on "IETE AI&ML For IOT" Program at IETE Pune Chapter held on 1st August to 31st August 2023.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in "Guest Lecture on IOT" at IT Department, SKNSIT, Lonavala held on 6th October 2023.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in one week "Train the Trainers" Program at IT Department, SIT, Lonavala on the new curriculum of TE IT (2019 Course) for the subject "Elective-I, Internet of Things" held on 19th to 25th July 2023.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in one week "Train the Trainers" Program at E&Tc Department, SIT, Lonavala on the new curriculum of BE IT (2019 Course) for the subject "Elective-I, Modernize Internet of Things" held on 19th to 25th July 2023.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in two days "Student Training Program - I" SIT, Lonavala on the topic "SWOT Analysis" held on 26th to 27th July 2023.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in one week "Train the Trainers" Program at E&Tc Department, SIT, Lonavala on the new curriculum of BE IT (2019 Course) for the subject "Elective-I, Modernize Internet of Things" held on 19th to 25th July 2023.

- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in two days "Student Training Program - I" SIT, Lonavala on the topic "SWOT Analysis" held on 26th to 27th July 2023.
- Invited as a **Resource Person** for "Internet of Things (IoT) TEIT (2019 Course), IT Dept. on 14th Nov. 2022 at SKNSITS, Lonavala.
- Invited as a **Resource Person** in one day workshop on "Aurdino Fundamentals, Programming and Interfacing", E&Tc Dept. on 23rd Oct. 2022 at SIT, Lonavala.
- Invited as a **Resource Person** in one day Workshop on "Arduino and IOT", IT Dept. on 23rd Nov. 2022 at NMIET, Talegaon.
- Invited as a **Resource Person** for Faculty Orientation Program on "Information Storage and Retrieval and Lab Practice III", BEIT (2019 Course) on 27th July 2022 at D. Y. Patil College of Engineering, Akurdi, Pune.
- Invited as **Resource Person** for one Week FDP on "IOT-Industry 5.0" on 20th to 24th Feb. 2023 in IT Department.
- Delivered Inspiration, Motivation & Ideation **Motivational Speech** on "Identifying Right Problem and Solution using Double Diamond Approach" at SIT, Lonavala on 30th Nov. 2022 as Innovation Ambassador, MoE's Innovation cell and AICTE, IIC.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in Online Faculty Orientation Program at SPPU on the new curriculum of BE IT (2019 Course) for the subject "Augmented and Virtual Reality and Laboratory Practice-VI (AVR)" held on 08th Feb. 2023.
- Appointed **subject expert** for finalizing the revised Syllabus of TE IT (2019 Pattern) of AY- 2021-22 for the subject "Elective-I-Internet of Things" by Board of study in Information Technology, SPPU.
- Appointed **subject expert** for finalizing the revised Syllabus of TE E&Tc (2019 Pattern) of AY- 2021-22 for the subject "Elective-III-Embedded System and RTOS", by Board of study in Electronics & Telecommunication, SPPU.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in Online Faculty Orientation Program at SPPU on the new curriculum of TE IT (2019 Course) for the subject "Internet of Things and Laboratory Practice-I (IoT)" held on 31st July 2021.
- Received Certificate of Appreciation for being **Resource Person** and Guiding Participant in Online Faculty Orientation Program at SPPU on the new curriculum of TE IT (2019 Course) for the subject "Internet of Things and Laboratory Practice-I (IoT)" held on 31st July 2021.
- Received Letter of Appreciation for being **Resource Person** and Guiding Participant "Spreading brightness through sustainability solar lamp and awareness training for rural" on 29th Dec. 2020.

Place: Lonavala   **Dr. Pravin. Latane**

Important Link:
ORC ID- 0000-0003-0596-9905
Google Scholar: https://scholar.google.com/scholar?hl=en&as_sdt =0%2C5&q=pravin+latane&btnG=

Last update on 13/06/2024