

S.A.P.D. Jain Pathashala



# Walchand Institute of Technology, Solapur

An Autonomous Institute

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## Department of Electronics & Telecommunication Engineering

### Faculty Achievements and Activities : July- December 2024

Sr. No	Faculty Name	Achievement/Activity Event
1	Dr. Ms. A. V. Thalange	Mentored a team in SIH 2024 finale in December 2024 at Chittoor, AP.
2	Dr. Ms. A. V. Thalange	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Embedded Systems in Automotive Industry: An Industry 4.0 Perspective at MRK INSTITUTE OF TECHNOLOGY from 06 to 11 January 2025
3	Dr. Ms. A. V. Thalange	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Generative AI and It's Applications with Computer Vision at Lalbhai Dalpatbhai College of Engineering Ahmedabad from 16 to 21 December 2024.
4	Dr. Ms. A. V. Thalange	Chaired a Technical session in the IEEE ICISAA 2024 held on 25 and 26 October 2024 at D Y Patil Institute of Technology, Pimpri, Pune.
5	Dr. Ms. A. V. Thalange	Participated in the International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th August 2024.
6	Dr. Ms. A. V. Thalange	Completed one week National level FDP on Recent Advancement in AI & IoT- Industry Perspective organized by Department of Computer Applications, PMIST, Thanjavur in association with Pantech Solutions during period 25 to 31 November 2024.

7	Dr. R. R. Dube	Working as Technical Committee member at 9th International Conference on Imaging, Signal Processing and Communications to be held in Osaka, Japan July 11-13, 2025
8	Mr.V.H.Kondekar	Working as IEEE Access Reviewer and 3 reviewed Papers are published in IEEE Access.
9	Mr.V.H.Kondekar	Worked as Reviewer for 5th International conference on Advance Technologies for Societal Applications by SVERI's college of Engineering, Pandharpur in DEC. 2024
10	Mr.V.H.Kondekar	Mentored a team in SIH 2024 finale in December 2024 at Chittoor, AP.
11	Mr.V.H.Kondekar	Worked as a Head Observer on behalf of NPTEL, IIT Madras for NPTEL online Certification Examination session conducted at the Centre Solapur Digital Hub for Jan-April 2024 session.
12	Mr.V.H.Kondekar	Nominated and appointed as AICTE Campus Ambassador for the Institute
13	Mr.V.H.Kondekar	<p>Papers Published:</p> <p>Harnessing AI and IoT for Optimized Renewable Energy Integration and Resource Conservation. AS Bale, P William, VH Kondekar, S Sanamdikar, P Joshi, P Nigam, Library of Progress-Library Science, Information Technology &amp; Computer 44 (3)</p> <p>Automation in plant pathology: Optimized Attentional Capsule_BiLSTM optimized with chaotic sparrow algorithm for colour feature-based plant disease detection V H Kondekar, SK Bodhe Multimedia Tools and Applications 83 (14), 41727-41760</p> <p>Integrating AI and Machine Learning in Omnichannel Marketing for Superior Customer Experience BB Shaharkar, VH Kondekar, N Shaik, S Kiruba, BS Hari Digital Transformation Initiatives for Agile Marketing, 101-132</p> <p>Empowering Sustainable Agriculture: A CNN-Based Plant Disease Detection System with Interactive AI Guidance, 5th International Conference on Advanced Technologies for</p>

		<p>Societal Applications</p> <p>Presented the research paper entitled “Integration of Gradient Descent Optimized Polynomial Regression with Neural Networks in Remaining Useful Life of Lithium ion Batteries ” in the 2024 First International Conference on the Innovations in Communications, Electrical and Computer Engineering (ICICEC 2024)</p> <p>Dual Parameter Control of Drum Boiler using Formula-Based Fuzzy Controller at Journal of Electrical Systems</p>
14	Mr. P. U. Dhage	Granted Patent for “IoT Based Rain Forecasting along with Flood detection and Automated Alert system using Artificial Intelligence ”
15	Mr. P. U. Dhage	Granted Patent for Wireless Charger for Electrical Vehicle
16	Mr. P. U. Dhage	Presented paper in scopus indexed International conference on An Efficient Method for Early Detection System for Cardiovascular Disease using Ensemble Machine Learning Techniques
17	Mr. P. U. Dhage	One Week Industrial Training Have Completed in Fox Solutions Pvt. Ltd. Gonde Nashik
18	Mr. P. U. Dhage	Presented paper in scopus indexed International conference on Enhancing Abstractive Summarization with Pointer Generator Network and Coverage Mechanisms in NLP.
19	Mr. P. U. Dhage	Completed and Secured an Elite certificate in Introduction to IoT course from NPTEL
20	Mr. S. P. Swami	Worked as Reviewer for 5th International conference on Advance Technologies for Societal Applications by SVERI’s college of Engineering, Pandharpur in DEC. 2024
21	Mr. S. P. Swami	Qualified PAHSU, Solapur PET9 Exam for Ph.D admission.
22	Mrs. P. S. Utage	Presented paper in scopus indexed International conference on “An Efficient Method for Early Detection System for Cardiovascular Disease using Ensemble Machine Learning Techniques”

23	Mrs. P. S. Utage	Presented paper in scopus indexed International conference on an “Enhancing Abstractive Summarization with Pointer Generator Network and Coverage Mechanisms in NLP”.
24	Mrs. P. S. Utage	Scored in Swayam NPTEL Elite for the subject Introduction to Internet of Things
25	Mrs. P. S. Utage	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Electric Vehicles: Technology, Power System, Energy Management, Testing and Certification” at PIMPRI CHINCHWAD COLLEGE OF ENGINEERING from 23/12/2024 to 28/12/2024.
26	Mrs. P. S. Utage	Participated in the International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th August 2024.
27	Mr. A.D. Malivasekar	Guide to a project which won first prize in University Level Research Event, Aavishkar 2024 organised by PAHSU, Solapur
28	Ms. A. D. Wadgaonkar	Qualified PAHSU, Solapur PET9 Exam for Ph.D admission.
29	Ms. A. D. Wadgaonkar	Successfully completed and secured the SWAYAM-NPTEL Elite Certificate for the course Python for Data Science.
30	Ms. S. B. Kantekure	2% topper in NPTEL FDP ‘Introduction to IoT’.
31	Ms. S. B. Kantekure	Completed 5 days National Level FDP by ExcelR on ‘Cloud Architect- G3
32	Ms. S. B. Kantekure	Completed and secured an A grade at 8 days National Level FDP on ‘Outcome Based Education and Application of Generative AI in Teaching and Research’ organised by St. Mary's College (Autonomous), Thrissur, Kerala in association with the Collegiate Education Department, Government of Kerala.

33	Ms. S. B. Kantekure	Completed 6 days of AICTE Training and Learning (ATAL) Academy FDP on 'Unlocking innovations with Blockchain and Generative AI'.
34	Mr. V. R. Mylavarapu	Completed and Secured an Elite Gold badge certificate in Introduction to IoT course from NPTEL (Secured 96%, Top 1%)
35	Mr. V. R. Mylavarapu	Mentored a team who got shortlisted for SIH 2024 competition.
36	Mr. V. R. Mylavarapu	Awarded as top performer and received certificate of Excellence in Phase 2 FDP organized by IMIB Creators of Metaverse program.
37	Mr. V. R. Mylavarapu	Completed an ATAL (AICTE training and learning Academy) FDP on Electric Vehicles: Technology, Power System, Energy Management, Testing and Certification at Pimpri Chinchwad College of Engineering. (Secured 96.66%)
38	Mr.S.R.Barbade	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Generative AI and It' s Applications with Computer Vision at Lalbhai Dalpatbhai College of Engineering Ahmedabad from 16 to 21 December 2024.
39	Mr.S.R.Barbade	Successfully completed and secured the SWAYAM-NPTEL Elite Certificate for the course Python for Data Science during Jul-Aug 2024.
40	Mr.S.P.Kulkarni	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Unlocking innovations with Blockchain and Generative AI at VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY from 02/12/2024 to 07/12/2024.
41	Mr.S.P.Kulkarni	Completed one week National level FDP on Recent Advancement in AI & IoT- Industry Perspective organized by Department of Computer Applications, PMIST, Thanjavur in association with Pantech Solutions during period 25 to 31 November 2024.
42	Mrs.B.N.Patil	Certified for attending a Webinar on Opportunities in CyberSecurity Organised by ISPR solutions limited on 23/09/2024..

43	Mrs.B.N.Patil	Certified for attending a SCALER MASTERCLASS on Learn how to Land Data Science Jobs Outside India on 30/09/2024.
44	Mrs.B.N.Patil	Certified as a google trainer in “Google Tools in Teaching Learning Process” conducted by upEducators -A Google for Education Partner company on Tuesday ,Oct 8 2024.
45	Mrs.B.N.Patil	Completed EXCELR Faculty Development Program on AI Applications in Banking and Healthcare Industry organized by K.J. Somaiya Institute of Technology Sion, Mumbai - Maharashtra KLE Technological University, Dr. M S Sheshgiri Campus, Belagavi - Karnataka Chaitanya Bharathi Institute of Technology Autonomous, Hyderabad - Telangana Adhiyamaan College of Engineering, Hosur - Tamil Nadu in Collaboration with ExcelR Edtech Pvt. from 12/12/2024 to 18/12/2024.
46	Mrs.B.N.Patil	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Crystal Growth ,Semiconductor Processing and Manufacturing Technologies” at Indian Institute of Technology Dhanbad from 16/12/2024 to 21/12/2024.
47	Mrs.B.N.Patil	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Innovative material and construction technologies for sustainable construction” at MET’S INSTITUTE OF ENGINEERING from 23/12/2024 to 28/12/2024.
48	Mr.P.Y.Kumbhar	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Electric Vehicles: Technology, Power System, Energy Management, Testing and Certification” at PIMPRI CHINCHWAD COLLEGE OF ENGINEERING from 23/12/2024 to 28/12/2024.
49	Mr. S.V.Aursang	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Electric Vehicles: Technology, Power System, Energy Management, Testing and Certification” at PIMPRI CHINCHWAD COLLEGE OF ENGINEERING from 23/12/2024 to 28/12/2024.
50	Mr. S.V.Aursang	Successfully completed and secured the NPTEL-AICTE Elite Silver Certificate for Faculty Development Program on Introduction to Internet of Things during Jul-Oct 2024.

51	Mr. K.R.Biradar	Completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Electric Vehicles: Technology, Power System, Energy Management, Testing and Certification” at PIMPRI CHINCHWAD COLLEGE OF ENGINEERING from 23/12/2024 to 28/12/2024.
52	Mr. V. V. Anagire	Completed and Secured an Elite certificate in Digital Circuits course from NPTEL
53	Mr. V. V. Anagire	Top performer at PAHSU PET 9 Exam for Ph.D admission.

### **Faculty Achievements and Activities : 2023-24**

<b>Sr. No</b>	<b>Faculty Name</b>	<b>Achievement Event</b>
1	Dr. Ms. A. V.Thalange	Member of Faculty of Science and Technology, P A H S U, Solapur.
2	Dr. Ms. A. V. Thalange	Member of BOS, Electronics Engineering Department, P A H S U, Solapur
3	Dr. Ms. A. V. Thalange	Research Advisory Committee (RAC) Member in Electronics and Telecommunication Engineering, PAHSUS for Ph.D. Research Center at SKNSCOE, Korti, Pandharpur for PhD Research Progress Evaluation
4	Dr. Ms. A. V. Thalange	Moderator for 4th International Conference on Electronics, Biomedical Engineering, and Health Informatics (ICEBEHI) on 4-5 Oct 2023 at Surabaya Organized by Dept. of Medical Electronic Technology, Poltekkes Kemenkes Surabaya, Indonesia.

5	Dr. Ms. A. V. Thalange	Reviewer for International Conference On Recent Innovations In Computing (ICRIC-2023) VOLUME 2, Springer Approved Conference held between 21th to 22nd December, 2023.
6	Dr. Ms. A. V. Thalange	External Reviewer for Vishwacon 2023, 6th International Conference on Recent Trends in Engineering and Technology, Organised by VIIT, Pune held from 24th to 25th November 2023
7	Dr. Ms. A. V. Thalange	Contributed as Mentor in SIH 2023 Grand Finale during 19-20 December 2023 at PSNA College of Engineering and Technology, Dandigul, TN.
8	Dr. Ms. A. V. Thalange	Received grant of Rs. 10,000/- for Industry collaborated project by RMTAG LLP Solutions, Bengaluru
9	Dr. Ms. A. V. Thalange	Participated in Pitch Day 2023 organised by Uddyam PAHSU Foundation, Incubation Centre, PAHSU, Solapur In association with Shiksha Sanskriti Utthan Nyas, New Delhi on 18th August 2023
10	Dr. R. R. Dube	Honorary Chair in 3rd International Conference on Advanced Communication and intelligent Systems (ICACIS-2024) May 16-17, 2024
11	Dr. Mrs. R.R. Mergu	Member of Faculty of Science and Technology, P A H S U, Solapur
12	Dr. Mrs. R.R. Mergu	Member of BOS, Electronics Engineering Department, P A H S U, Solapur
13	Dr. Mrs. R.R. Mergu	Member of BOS, Electronics & Telecommunication Engineering, P A H S U, Solapur
14	Dr. Mrs. R.R. Mergu	Reviewer for B.P. International book chapter.
15	Dr. Mrs. R.R. Mergu	LIC Committee member of PAHSU, Solapur to visit for continuation of affiliation of PhD (E&TC) at SVERI COE, Pandharpur, on 2/2/2024.
16	Mr. V. H. Kondekar	Worked as a Head Observer on behalf of NPTEL, IIT Madras for NPTEL online Certification Examination session conducted at the Centre Solapur Digital Hub for Jan-April 2024 session.
17	Mr. K R Biradar	Secured Swayam NPTEL Elite + Silver Certificate for the course Introduction to Internet of Things
18	Mr.S.N. Chamatagoudar Mr.P.D.R. Patnaik	Received grant of Rs. 65,000/- by PAHSU, Solapur under the scheme seed money for researcher



19	Mr. P. U. Dhage	Applied for Indian Patent “IoT Based Rain forecasting along with Flood Detection and automated alert system using Artificial Intelligence”
20	Mr. P. U. Dhage	Secured Swayam NPTEL Elite Certificate for the course Accreditation and Outcome Based Learning
21	Mr. P. U. Dhage	
21	Ms. A. D. Wadgaonkar	Secured Swayam NPTEL Elite + Silver Certificate for the course Accreditation and Outcome Based Learning
22	Ms. S. B. Kantekure	Secured Swayam NPTEL Elite Certificate for the course Accreditation and Outcome Based Learning
23	Mr. V. R. Mylavarapu	Secured Swayam NPTEL Elite + Silver Certificate for the course Accreditation and Outcome Based Learning
24	Mrs. P. S. Utage	Secured Swayam NPTEL Elite Certificate for the course Accreditation and Outcome Based Learning

### Faculty Achievements and Activities : 2022-23

Sr. No	Faculty Name	Achievement Event
1	Dr. Ms. A. V. Thalange	Member of BOS, Electronics & Telecommunication Engineering Department, P A H S U, Solapur.
2	Dr. Ms. A. V. Thalange	Member of BOS, Electronics Engineering Department, PAHSU, Solapur.
3	Dr. Ms. A. V. Thalange	Attended as a Jury member for State level Technical Paper Presentation Competition for Technosiddh - 2k23 at Shri Siddheshwar Women's Polytechnic, Solapur on 21st March 2023.
4	Dr. Ms. A. V. Thalange	Received Recognition as PhD guide for E&TC Engineering under P A H Solapur University, Solapur. Recognized PhD guide for Electronics Engineering under P A H Solapur University, Solapur.
5	Dr. Ms. A. V. Thalange	Received grant of Rs. 15,000/- for Industry collaborated project by RMTAG LLP Solutions, Bengaluru.
6	Dr. R. R. Dube	Reviewer for International Conference on the Role of AI in Bio-Medical Translations' Research for the Health Care Industry.
7	Dr. R. R. Dube	Technical Committee Member and reviewer for 6th International Conference on imaging signal processing and communications, Kumamoto, Japan.
8	Dr. R. R. Dube	Technical Committee / Reviewer at 2023 IEEE Region 10 Symposium.
9	Dr. R. R. Dube	Reviewer Evaluation of the security of password protected encrypted RAR3 and RAR5 archives at NCIT2022- International Conference on Networks, Communication and Information Technology, India.
10	Dr. Mrs.R.R. Mergu	Reviewer for 8th International conference on IEEE International Symposium on Smart Electronics System (IEEE-iSES) 19th Dec2022 to 21 Dec 2022.

11	Dr. Mrs. R.R. Mergu	Received Recognition as PhD guide for E&TC branch under P A H Solapur University, Solapur. Recognized PhD guide for Electronics Engineering under P A H Solapur University, Solapur.
12	Dr. Mrs. R.R. Mergu	Member of BOS, Electronics Engineering Department, PAHSU, Solapur.
13	Mr. S. P. Swami	Reviewer for 4th International conference Techno Societal 2022 on Advanced Technologies for Societal Applications dated on 10th Dec. 2022 to 11th Dec. 2022.
14	Mr. S. P. Swami	5% Topper in NPTEL Exam of Introduction to Industry 4.0 and Industrial Internet of Things course from Jul-Oct. 2022

### **Faculty Achievements and Activities : 2021-22**

<b>Sr. No</b>	<b>Faculty Name</b>	<b>Achievement Event</b>
1	Dr. Ms. A V. Thalange, Dr. Mrs. R. R. Mergu, Mrs. P S. Shetgar,	Granted Australian Innovation Patent for “A technology-based system for the management and detection of ADHD and other behavioural disorders”
2	Dr. Ms. A V. Thalange	Granted Australian Innovation Patent for “A real-time computer-based system to detect mental health disorders and behaviour patterns”
3	Dr.R. R. Dube	Awarded with the prestigious Lifetime Achievement Award in International Research Awards on Science, Technology and Management, Chennai.
4	Dr.R. R. Dube	Recognized PhD guide for Electronics Engineering and Electronics and Telecommunication Engineering under P A H Solapur University, Solapur.
5	Mr.R. R. Konapure	Received Grant of Rs. 84,000/- under the scheme “Seed Money for Research”, from P A H Solapur University, Solapur.