CURRICULUM VITAE

Navnee S. Babar

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CAREER OBJECTIVE:

Quest to work in a professional and competent atmosphere involving my enthusiasm aided with my efforts contributing to growth of the organization to strive and achieve excellence in the area of work undertaken with honesty, commitment and dedication.

EDUCATIONAL QUALIFICATION:

Education	Institution	University	Marks(agr)	Class
M.TECH (Digital Systems)	Rajarambapu Institute Of Technology,Sakharale.	Autonomus Institute	80.7%	Distinction
B.E. (Electronics and Telecommunication)	Rajarambapu Institute Of Technology,Sakharale.	Shivaji University.	70%	Distinction
DIPLOMA (Electronics & Telecommunication)	Govt.Polytechnic,Karad.	MSBTE	77.12%	First
S.S.C.	Kanya prashala,karad.	Kolhapur	78.93%	Distinction

Project Details:

Class	Project Name	Programing
B.E.	Universal remote control	89p61Mc
M.tech	Rapid color grading system for fruit(tomato)	MATLAB

Research Project Details:

Sr. No.	Funding Agency	Scheme	Title	Worked as	Principal Investigator
1	DST, New Delhi	Cognitive Science Research Initiative	Intelligent Cognitive Vision support for an independent lifestyle of elderly people	Junior Research Fellow	Dr. Smriti H. Bhandari Assistant Professor, Walchand college of Engineering, Sangli.

Software Skills:

MATLAB, C and Cpp programming, 8085,8086 simulator and training kit, Keil software, Proteus software, Python programming.

Work Experience:

Teaching: 6.5   Research: 10 Months

1   **Walchand College of Engineering, Sangli**

Currently working as an Assistant Professor from 1st March 2023 till date in ELN Department for UG.

2   **Walchand College of Engineering, Sangli**
   Post: Assistant Professor on CHB basis in CSE Department
   Duration of Job: From September 2022 to January 2023

3   **Walchand College of**
   Engineering, SangliPost: Project
   Manager of TEQIP-III
   Duration of Job: From June 2018 to December 2020

4   **Walchand College of Engineering, Sangli**
   Post: Junior Research Fellow for DST approved project in CSE Dept.
   Duration of Job: From July 2017 to May 2018

5   **Dr. Daulatrao Aher College of Engineering, Karad**
   Post: Assistant Professor in E&TC Dept
   Duration of Job: From Jan 2012 to July 2012 and July 2014 to May 2017

6   **Dadasaheb Mokashi**
   College, Karad
   Post: Lecturer in E&TC Dept
   Duration of Job: From July 2011 to December 2011

Subjects Taught:

Analog Electronics, Digital Electronics, Deep Learning, Reinforcement Learning, Signals and Systems, Digital Signal Processing, Pattern recognition, Automotive Electronics, Object Oriented Programming, Basics of Data Structures and Algorithms.

Special Recognition:

1. Registered a design Patent titled as **Assisting smart cane**, 461472-001 in October 2025.
2. Successfully Completed 12 Week NPTEL course with **Topper Category** in "Reinforcement Learning" conducted by IIT, Madras.
3. Successfully Completed 12 Week NPTEL course with **Silver Category** in "Deep Learning" conducted by IIT, Ropar.
4. Registered for PhD in COEP Technological University, Pune.

Responsibilities:

1. Worked as Organizing Committee member for ICFT conference technically sponsored by IEEE Bombay section during 7th and 8th November 2025 held at WCE, Sangli.
2. Worked as a Web design committee member in College Magazine 2025.
3. Worked as a committee member for social media marketing committee from 2023.
4. Worked in Graduation Day ceremony as procession committee member in WCE, Sangli in 2024.
5. Worked as Department Virtual Lab coordinator from March 2023.
6. Worked as an Organizing Committee Member of International Conference on Communication, Image Processing and Computing (ICCIPC 2025) at WCE, Sangli
7. Worked as organizing Committee member in Induction Program for FY B.Tech organized by WCE, Sangli in 2024 and 2025
8. Worked as Vision 2k25 Committee member organized by WCE on 14th and 15th March 2025.
9. Worked as a Reviewer for for 3rd IEEE International Conference on Data Science and Information System (ICDSIS-2025).
10. Served as a Judge for Mock Placement event of Electrovert organized by ELESA, WCE, Sangli on 19th October 2024.

Paper Published:

1. International Conference: 05

2. International journal: 07

Sr. No.	Title of paper	Year of publication	Name of journal/ conference
1	Tomato Maturity Evaluator based on color grading system using neural network.	2014	7th RFW, IETE conference at Bangalore.
2	Color grading system for evaluating tomato maturity.	2014	IJRMST,Vol. 2, No. 1, April 2014(E-ISSN: 2321-3264)
3	Detection of leaf diseases by image processing.	2015	IJARECE,vol no.4,april 2015 ISSN: ISSN 2278-909X, 809-813
4	Wireless speed detection system using vehicle	2015	IJSRD,vol no.3 ISSN:2321-0613
5	PIC based traffic light control using solar panel	2016	IJSRD,vol.4, issue 1 ISSN:2321-0613
6	Vehicle intelligence system using CAN bus	2016	IJSRD,vol.4, issue 1 ISSN:2321-0613
7	Design & development of heart beat rate measuring device using finger tip	2017	IARJSET,vol.4, Issue 2 ISSN (Online) 2393-8021 ISSN (Print) 2394-1588
8	Medicine handing robotic arm with computer synchronization	2017	IARJSET,vol.4, Issue 2 ISSN (Online) 2393-8021 ISSN (Print) 2394-1588
9	A Novel Approach for Fall Detection in Home Environment	2017	IEEE Global Conference on Consumer Electronics at Nagoya,Japan.

10	Abnormal Activity Recognition using Saliency and Spatio-Temporal Interest Point Detector	2018	International Conference on Soft Computing Systems, ICSCS,2018
11	Detecting the Undetectable: A review of cutting-edge Deepfake detection techniques.	2025	International Conference on Communication, Image Processing and Computing, ICCIPC 2025
12	High-Pass Filter Assisted Deep Feature Extraction For Image Forgery Detection	2025	3rd International Conference on Computer, Electronics, Electrical Engineering and their applications, IEEE UP section IC2E3, 2025

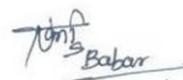## Major FDP/STTP/Workshops attended:

Year: 25-26:

- Online FDP on Network Simulator and Its Applications held during 14 July to 18 July 2025
- Atal FDP on Smart Cities and Future Mobility: Technologies, Policies, and Practices held during 01/12/2025 to 06/12/2025.

Year: 24-25

- 6 days ATAL FDP online on Cutting-Edge Approaches to Natural Language Processing and Large Language Models organized by DR. J.J. Magdum College of Engineering, Jaysingpur from 16/12/2024 to 21/12/2024.
- Offline FDP on Generative AI at GCE, Karad from 6/1/25 to 10/1/25.
- Online Workshop on Practical Aspects of Patent Filing Jointly organised by ShodhEvents And Navkar D & B Pharmacy College and Research Center, Mintbotics Edutech Pvt.Ltd.,IJRMPS and Shri Mardadi Solutions LLP. during 3/2/2025 to 5/2/2025
- Online FDP on Innovative Teaching Strategies and Tools in Digital Age by Scrollwell during 1st April-7th April 2025.
- FDP on Use of AI in Education and Research Organized by Electronics & ICT Academy, NIT Warangal in association with WCE, Sangli during 28th April, 2025 to 3rd May, 2025.

DECLARATION:

I hereby declared that the all above information is true and correct to the best of my knowledge and belief.

Mrs. Navnee S. Babar.