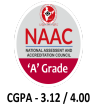Savitribai Phule Shikshan Prasarak Mandal's

N B NAVALE SINHGAD COLLEGE OF ENGINEERING
(Approved by AICTE & Affiliated to P. A. H. Solapur University, Solapur)

CURRICULAM VITAE

NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
'A' Grade
CGPA - 3.12 / 4.00

Dr. Dattatray Pandurang Gandhmal

Associate Professor & HoD CSE,   Ph.D. (CSE)

✉ **hodcse.nbnscoe@sinhgad.edu**   📞 **+91-9730038787**

Profile Summary

- Researcher and a teaching enthusiast in the core field of computer science and engineering field, with full positive energy towards inculcating the best practical knowledge to students and making them industry-ready in this competitive world.

Educational Details

Institute / University Name	Passedout Year	Degree	Remark
VIT, Vellore	2021	Ph.D. (CSE)	Successfully Completed
WIT, Solapur	2012	M.E. (CSE)	71.37 %
BIGCE, Solapur	2010	B.E. (CSE)	72.57 %
Pune Board	2006	HSC	
Pune Board	2004	SSC	

Total Experience : 13 Years and 2 Months

Teaching Experience

Institute: N B Navale Sinhgad College of Engineering, Solapur
From 2022-03-07
Total Experience: 1 years 8 months
Designation: Associate Professor & HoD (CSE)
To:
Approved: No

Institute: Walchand Institute of Technology, Solapur
From 2012-07-02
Total Experience: 9 years 6 months
Designation: Assistant Professor
To: 2021-12-31
Approved: Yes

Institute: Walchand Institute of Technology, Solapur
From 2010-08-02
Total Experience: 2 years 0 months
Designation: Teaching Assistant
To: 2012-06-30
Approved: No

Roles and responsibilities handled in Teaching:

- Taught UG students in core technical subjects like Artificial Intelligence, Java Programming, C#.Net Programming, Data Structures & Algorithms, Mobile Application Development, Database and Machine Learning, UNIX Operating System.
- Taught Course work for PhD student for the subject Network Security & Cloud Computing.
- Evaluator for KAVACH-2K23 Cyber Security National Level Hackathon
- Worked as a Project Coordinator in department and have framed rubrics to evaluate the projects.
- Worked as SPOC of Smart India Hackathon 2K22 and mentored teams, one team has won First Prize worth 1 Lakh Rupees.
- Evaluator/Member of Seed Money Research Proposal at Solapur University Solapur
- Worked on various Industry Collaborated projects.
- Member of Board of Studies at WIT, Solapur and proposed curriculum for various subjects in line with industry requirements.
- Installed and maintained Moodle LMS software in institute for all faculty and students to ease assessment process.
- Guided more than 20 Project groups to successfully complete their projects. Notable achievement of project groups qualified in Smart India Hackathon, Smart City development sponsorship, won various competitions at National Level competitions.

	• Implemented many education technology activity like flipped classroom, Think Pair Share and Learn by Doing (LbD) etc. • NAAC Criteria 7 coordinator at institute level • NBA Criteria 2 Core Team Member at department level • Coordinator for NIRF, IIC & Start Up, IIPC, Smart India Hackathon Competition at department level. • Prepared hands-on lab manual for programming subjects like Java Programming, C#.Net, using Eclipse IDE and Sharp Develop IDE. • Secondary SPoC for Infosys Campus Connect and have played an instrumental role leading to win thrice best SPoC award and best Industry Elective Rollout award. • Infosys Springboard platform coordinator at institute enrolling students on platform and tracking progress. • Question paper setting and Assessment is done using Moodle LMS software by following Blooms Taxonomy. • Created many technical videos for students under Professional Learning Community at Institute. • Worked as a Class Coordinator for last 8+ years. • AVISHKAR Project competition coordinator at department level. • Conducted Workshop on InfyTQ preparation guidelines for students aspiring for placement in Infosys at WIT, Solapur • Organized, attended and conducted workshops based on various recent technology.
Research Experience	**Total Experience :** 4 Years and 0 months **Major Roles and Responsibilities Handled in Research:** • PhD work at VIT, Vellore • Published various papers at SCI and Scopus Indexed Journals • Defended the research work successfully on 27th May 2021
Administrative Experience	**Total Experience :** 1 Years and 8 months **Major Roles and Responsibilities Handled in Administration:** • Working as HEAD of the Computer Science & Engineering Department • Workload distribution • Department Academic Planning & Execution • NAAC teamwork and distribution
Area Of Interest	• Machine Learning • Predictive Analytics • Cloud Computing
Subjects Handled	
UG	• Artificial Intelligence, Java Programming, C#.Net Programming, Data Structures & Algorithms, Mobile Application Development, Database and Machine Learning, UNIX Operating System.
PG	• Network Security & Cloud Computing
Research And Guidance	
Invited as Resource Person/ Expert/ Evaluator	• Evaluator for KAVACH-2K23 Cyber Security National Level Hackathon • Evaluator/Member of Seed Money Research Proposal at Solapur University Solapur • Reviewer for various International Journals (Scopus Indexed) • Guest Lecture at Shri Siddheshwar Womens Polytechnic, Solapur on the topic "Applications of Machine Learning" • Evaluator for Project Competition held at V.V.P Polytechnic College, Solapur
Total Journal Paper Publications	15
Total Conference Paper Publications	3

UGC Approved	11
Scopus Indexed	8
SCI Indexed	3
Detailed Journal Publication list	1. *Jawarneh, M., Arias-Gonzáles, J. L., Gandhmal, D. P., Malik, R. Q., Rane, K. P, Omarov, B., ... & Shabaz, M. (2023). Influence of grey wolf optimization feature selection on gradient boosting machine learning techniques for accurate detection of liver tumor. SN Applied Sciences, 5(7), 178.(SCI Indexed)* 2. *Dixit, R., Gandhmal, D. P., & Patil, R. (2023, January). RealDApp—Decentralized Real Estate Asset Transfer Protocol Based on Blockchain. In International Conference on Smart Trends in Computing and Communications (pp. 517-523). Singapore: Springer Nature Singapore.(SCI Indexed)* 3. *Gandhmal D.P, Gajjam N, Sheikh F.(2023, June). Supply chain Optimization Technique for biofuels industries using L1 Regularization and eXtreme Gradient Boosting, JETIR* 4. *Gandhmal D.P, Shirke A. P, Ingale S.P (Nov 2022) Job Search Improving Technique Using Recommendation System And Open AI For Freelancers, , Vol12 Issue 2, Research of Review* 5. *Dixit, R., Gandhmal, D. P.,(2023, January). Gamification: Secret Ingredient in Enhancing Flavor of Theory of Computation Understanding, Smart Trends for Computing & Communication* 6. *Yalagi P. C, Gandhmal, D. P.,(2023, April).Model for effective project implementation for under graduate students,Information and Communication Technology for Intelligent Systems* 7. *Gandhmal, D. P., & Kumar, K. (2019). Systematic analysis and review of stock market prediction techniques. Computer Science Review, 34, 100190. (SCI Indexed)* 8. *Gandhmal, D. P., & Kumar, K. (2021). Wrapper-Enabled feature selection and CPLM-based NARX model for stock market prediction. The Computer Journal, 64(2), 169-184. (SCI Indexed)* 9. *Gandhmal, D. P., & Kumar, K. (2021). Chronological penguin Adam-based deep long short-term memory classifier for stock market prediction. International Journal of Intelligent Information and Database Systems, 14(3), 215-238. (Scopus Indexed)* 10. *Kumar, K., & Gandhmal, D. P. (2021). An intelligent Indian stock market forecasting system using LSTM deep learning. Indones J Electr Eng Comput Sci, 21(2), 1082-1089. (Scopus Indexed)* 11. *Yalagi, P. S., Gandhmal, D. P., & Dixit, R. K. (2018). Business intelligence tools–content generation using moodle for self learning as an elective module. Information Technology, 2(3), (Scopus Indexed)* 12. *Gandhmal, D. P., Parihar, R., & Argiddi, R. (2011). An optimized approach to analyze stock market using data mining technique. IJCA, ICETT* 13. *Gajjam N. S, Patnaik,Gandhmal D.P: Low Cost Surveillance Using Raspberry Pi through Email. (Dec 2016). IJSART*
Detailed Conference Publication list	1. *Gandhmal, D. P., & Kumar, K. (2019, February). Ensemble computations on stock market: a standardized review for future directions. In 2019 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT) (pp. 1-6). IEEE.(Scopus Indexed)* 2. *Dol, S., & Gandhmal, D. (2018, December). Use of'Basic SQL-The Online Beginner's Guide'Site to Give Hands on Experience of SQL to Students. In 2018 IEEE Tenth International Conference on Technology for Education (T4E) (pp. 150-153). IEEE. (Scopus Indexed)* 3. *Dol, S. M., & Gandhamal, D. P. (2014, December). TPFOSS: A Modified TPS Technique to Improve Student's Conceptual understanding of Compiler Construction Course. In 2014 IEEE Sixth International Conference on Technology for Education (pp. 245-248). IEEE.*
Number Of Books Published	1
Detailed List of Books Published	1. Dr. Dattatray Gandhmal , Dr. Marunal K. Pathak , Kapil D. Dere , Nitin N. Sakhare "DEEP Learning". Aug 2022, Nirali Publication, ISBN: 9789354517181
Number Of Patents	1

Detailed List of Patents	1. Patent Filled and Published in Oct 2022 titled "A Supervised Machine Learning based system for reconstructing an image from Tomographic data using Deep Learning based Image Processing and Method Thereof"

FDP/STTP/Workshop Attended: 23

Sr.No	Title	Organized by	Dates from to	Duration in Weeks/ Months
1	FDP on Societal Applications of Machine Learning	Shri Vishnu College, Bhimavaram	2022-12-26 to 2022-12-30	1 Week
2	FDP on IOT with Data Science	Panimalar Engineering College, Chennai	2022-12-19 to 2022-12-24	1 Week
3	Online FDP on "Big Data Analytics"	AICTE Training And Learning (ATAL) Academy	2021-01-25 to 2021-01-29	1 Week
4	Online FDP on "Artificial Intelligence"	AICTE Training And Learning (ATAL) Academy	2021-02-08 to 2021-02-12	1 Week
5	Innovation Ambassador training (Foundation Level)	MoE's Innovation Cell & AICTE	2021-06-30 to 2021-07-30	4 Weeks
6	PHP and MySQL	Shri Ramdeobaba College of Engineering and Management, Nagpur	2020-05-26 to 2020-05-30	1 Week
7	Java	Pune Vidyarthi Griha's College of Engineering and Technology, Pune	2020-05-18 to 2020-05-22	1 Week
8	Moodle Learning Management System	KJ. Somaiya Institute of Engineering and Information Technology	2020-05-26 to 2020-05-30	1 Week
9	AICTE Sponsored One Week Online Short Term Training Program On "Machine Learning:Algorithms and Applications in Data Science"	VIT, Pune	2020-11-02 to 2020-11-07	1 Week
10	Technical English for Engineers	NPTEL-AICTE	2019-07-01 to 2019-09-30	8 Weeks
11	FEP "LEX based Foundation Program"	Infosys	2019-01-18 to 2019-01-25	6 Days
12	Developing Soft Skills and Personality	NPTEL-AICTE	2018-08-01 to 2018-10-30	8 Weeks
13	ET702x: Designing Learner-Centric MOOC	IIT Bombay	2018-08-02 to 2018-09-06	5 Weeks
14	Mentoring Educators in Educational Technology (FDP 301x)	IIT Bombay	2018-05-17 to 2018-07-05	2 Weeks
15	Introduction to Machine Learning	IIT Bombay	2017-12-16 to 2017-12-17	2 Days
16	Train the Trainer Program on "Explore Machine Learning using R"	Infosys, Bangalore	2017-12-27 to 2017-12-29	3 Days
17	Foundation Program 5.0	Infosys, Pune	2017-01-02 to 2017-01-04	3 Days
18	Pedagogy for Online and Blended Teaching-Learning Process	IIT Bombay	2017-09-14 to 2017-10-12	2 Weeks
19	Foundation Program in ICT for Education	IIT Bombay	2017-08-03 to 2017-09-07	2 Weeks
20	WHS791x: Technical Communication for Scientists and Engineers	IIT Bombay	2015-10-08 to 2015-11-18	
21	ET601Tx: Educational Technology for Engineering Teachers	IIT Bombay	2016-01-07 to 2016-03-07	
22	Technical Communication	IIT Bombay	2015-10-08 to 2015-11-11	1 Week
23	Faculty Enablement Program on Foundation Program 4.0	Infosys Pune	2015-01-05 to 2015-01-09	1 Week

Sr.No	Title	Organized by	Dates from to	Duration in Weeks/ Days
1	DS102X: Machine Learning for Data Science and Analytics	EDX	2021-05-01 to 2023-05-30	5 weeks
2	Introduction to Kubernetes	EDX	2021-07-27 to 2023-07-27	14 Weeks
3	OTP AWSD7: AWS: Getting Started with Cloud Security	EDX	2021-07-01 to 2021-07-27	4 Weeks
4	Programming for Everybody (Getting Started with Python)	Coursera	2020-04-01 to 2020-05-20	7 Weeks
5	Neural Networks and Deep Learning	Coursera	2020-04-12 to 2020-05-13	4 Weeks
6	AI For Everyone	Coursera	2020-04-15 to 2020-05-10	4 Weeks
7	AWS Fundamentals: Addressing Security Risk	Coursera	2020-04-27 to 2020-05-16	4 Weeks
8	AWS Fundamentals: Going Cloud-Native	Coursera	2020-04-10 to 2020-05-16	5 Weeks
9	Data Science Math Skills	Coursera	2020-04-15 to 2020-05-20	4 Weeks
10	Introduction to Programming with MATLAB	Coursera	2020-04-01 to 2020-04-27	9 Weeks
11	Technical English for Engineers	NPTEL-AICTE	2019-07-01 to 2019-09-20	8 Weeks
12	Developing Soft Skills and Personality	NPTEL-AICTE	2018-08-01 to 2018-09-20	8 Weeks

FDP/STTP/Workshop Conducted: 1

Sr.No	Title	Organized by	Worked As	Dates from to	Duration in Weeks/ Days
1	Deploying and Running Your Application on Server	NBNSCOE, Solapur	Convenor	2023-03-24 to 2023-03-25	2 Days

Other Activities

Achievements & Awards	1. Worked as SPOC of Smart India Hackathon 2K22 and mentored teams, one team has won First Prize worth 1 Lakh Rupees. 2. GATE qualified for three times with top All India Rank 2067. 3. Mentored Smart India Hackathon team and team has won 1st prize worth 1 lakh rupees. 4. Worked in association with IIT Bombay as a coordinator for the course titled "Moodle Learning Management System" 5. Winner in Content Guru Event of Infosys Faculty Excellence Awards 2017. 6. Thrice Silver Partner Award by Infosys for contribution in Campus Connect Activity. 7. Top Performer in workshop conducted by IIT,Bombay titled "Mentoring Educators in Educational Technology FDP 301x".
Professional Memberships	1. IAENG Membership 2. GreenThinkers Membership

Major Projects Handled	1. To Analyze and Design of Stock Market Prediction Model using NARX and Deep LSTM Objective: To predict stock market with high prediction accuracy by designing a CPLM-based NARX method. The developed method employed wrapper-based feature selection approach for selecting very important features produced from technical indicators. 2. Stock Market Prediction using Association Rule Mining Objective: To provide predictions on Indian Stock Market data by applying data mining techniques such as Association Rule.
Personal Details	
Employee Code	SOL/KG/03/B/2142
Adhar Card Number	203971782499
Pan Card Number	AVDPG8713G