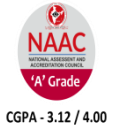




Savitribai Phule Shikshan Prasarak Mandal's
N B NAVALE SINHGAD COLLEGE OF ENGINEERING
 (Approved by AICTE & Affiliated to P. A. H. Solapur University, Solapur)



CURRICULAM VITAE



Mr. Amruta Darshan Ruikar

Assistant Professor, ME-CSE PhD*

✉ amrutashegadar8887@gmail.com ☎ **9021972253**

Profile Summary

Amruta has more than 12 years of teaching, 1 years of industrial and 1 years of research experience in networking, finite automata, image processing, machine learning, and data science. Her work includes problem-specific design and implementation of algorithms, models and their performance tuning. She is also actively involved in co-curricular activities such as organizing workshops and department administration

Educational Details

Institute / University Name	Passed out Year	Degree	Remark
Symbiosis Institute of technology, Pune		PhD	Persuing
Bhratratna Indira College of Engineering, Solapur, Solapur University	2016	ME CSE	First class with Dist
Brahmdevdada Mane Institute of Technology, Solapur, Solapur University	2010	BE CSE	First class
Government polytechnic -Solapur	2007	Diploma-IT	First class

Total Experience : 13 Years and 0 Months

Teaching Experience

Institute: NBNSCSOE, Solapur
From 2022-06-01
Total Experience: 1 years 10 months
Designation: Head of Department CSE
To: till date
Approved: Yes

Institute: SPM Polytechnic, Solapur
From 2021-08-01
Total Experience: 1 years 00 months
Designation: Head of Department CSE
To: 2022-07-31
Approved: Yes

From 2012-02-01

To: 2015-11-30

	Institute: BIGCE, Solapur From 2019-06-01 Total Experience: 2 years 2 months	Designation: I/C HoD CSE To: 2021-07-31 Approved: Yes
	Institute: SES Polytechnic, Solapur From 2018-08-01 Total Experience: 0 years 10 months	Designation: Assistant Professor To: 2019-05-31 Approved: Yes
	Institute: BMP, Solapur From 2016-06-01 Total Experience: 2 years 3 months	Designation: Assistant Professor To: 2018-08-31 Approved: Yes
	Institute: BIGCE, Solapur	Designation: Assistant Professor

	Total Experience: 3 years 10 months Approved: Yes
	Roles and responsibilities handled in Teaching:
Industry Experience	Industry: Persistent, Pune From: 2010-06-01 Total Experience: 1 years 0 months Designation: Trainee Software Engineer To: 2011-05-31
	Major Roles and Responsibilities Handled in Industry:
Area Of Interest	Medical Image Analysis Machine Learning Computer Aided Diagnosis system development
Subjects Handled	
UG	Data processing and feature engineering, Finite Automata, Compiler construction, Data structures, Python, Operating system, Computer Network, Software Engineering, Software Testing, Data Preprocessing & Visualization
Research And Guidance	
Total Journal Paper Publications	2
Total Conference Paper Publications	1
UGC Approved	2
Scopus Indexed	1
Detailed Journal Publication list	<ol style="list-style-type: none"> 1. Ruikar, D., Kamble, P., Ruikar, A., Houde, K., & Hegadi, R. (2022). DNN-Based Knee OA Severity Prediction System: Pathologically Robust Feature Engineering Approach. <i>SN Computer Science</i>, 4(1), 58. 2. Jadhav, C. M., Shegadar, A. R., & Shabade, S. (2014). Dual-Link Failure Resiliency through Backup Link Mutual Exclusion. <i>International Journal Of Engineering And Computer Science</i>, ISSN, 2319-7242. 3. Fast recovery for dual-link failure through backup path using heuristic approach" <i>Indian streams research journal the international recognized multidisciplinary research journal in 2016</i>

Detailed

1. *Ruikar, D. D., Ruikar, A. D., Kulkarni, S. G., & Hegadi, R. S. (2019). Simplified Deterministic*

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Conference

Finite Automata Construction Algorithm from Language Specification. In Recent Trends

Publication list	<i>in Image Processing and Pattern Recognition: Second International Conference, RTIP2R 2018, Solapur, India, December 21–22, 2018, Revised Selected Papers, Part III 2 (pp. 580-588). Springer Singapore.</i>
Number Of Books Published	2
Detailed List of Books Published	<ol style="list-style-type: none"> 1. Shegadar (Ruikar) A. R., Ruikar D. D (2021) Lab on C programming II: Bharati Vidyapeeth press, ISBN: 978-93-91015-51-0 2. Shegadar (Ruikar) A. R., Ruikar D. D (2021) Lab on Java: Bharati Vidyapeeth press, ISBN: 978-93- 91015-83-1
Number Of Patents	1
Detailed List of Patents	1. Indian Design patent with application number: 364660-001, accepted and published journal number 41/2022 date 14/102022, "AI and IoT based Smart Walking Stick for Visually Impaired With Alerting Unit"

FDP/STTP/Workshop Attended: 5

Sr.No	Title	Organized by	Dates from to	Duration in Weeks/ Months
1	AICTE-ISTE approved orientation/refresher programme on "Machine learning and its applications"	R.C. Patel Institutes of Technology, Shirpur, Maharashtra	2021-05-18 to 2021-05-24	1 week
2	five days online FDP on "Inculcating Universal Human Value in technical education"	AICTE	2021-04-26 to 2021-04-30	5 Days
3	one-week online FDP on "IoT (Internet of Things)" sponsored by AICTE and ISTE	department of computer engineering A. G. Patil Institute of technology, Solapur	2021-03-02 to 2021-03-08	1 Week
4	one day international workshop on pattern analysis and machine intelligence (PAMI): document engineering to healthcare 2018	Solapur University, Solapur	2022-12-20 to 2022-12-20	1 Day
5	National level workshop on "Recent Trends in Data Warehousing & Data Mining"	Solapur University	2016-03-19 to 1016-03-20	2 Days

Personal Details

Employee Code	005
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Adhar Card Number	398819442924
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