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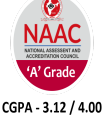
Savitribai Phule Shikshan Prasarak Mandal's
N B NAVALE SINHGAD COLLEGE OF ENGINEERING
(Approved by AICTE & Affiliated to P. A. H. Solapur University, Solapur)

NAAC 'A' Grade
CGPA - 3.12 / 4.00

CURRICULAM VITAE

Mr. Amol Ashok Kshirsagar

Assistant Professor,   M. E. (E&TC)

✉ **amolk.nbnscoe@gmail.com**   📞 **9881469351**

Profile Summary	• Master's Degree in E&TC and total experience of 21 years out of which 7 years is in Industry and 14 years in teaching field. • Interested in the field of Embedded System. • C, C++, Embedded C • Hardware Design • Designing and Programming in 8051, PIC, AVR, ARM7, Arduino • Keil, MPLAB X, AVR Studio4, ATMEL Studio 6 • Arduino, Rpi • Proteus Simulation, Express PCB, Orcad • Selection of Materials and Components, Costing Estimation for Electronics Projects • Trouble-shooting and fault-finding of Electronic and Electrical Systems • Ability to successfully guide Embedded-Systems Project, Industrial Projects

Educational Details	Institute / University Name	Passedout Year	Degree	Remark
	Solapur University	2014	M.E. (E&TC)	68.72%
	Shivaji University	2003	B.E.(Electronics)	62%
	M.S.B., Nagpur	1997	H.S.C.	68%
	Madhya Pradesh Board, Bhopal	1995	S.S.C.	72%

Total Experience : Years and Months

Teaching Experience	**Institute:** N. B. Navale Sinhgad Institute of Technology, Solapur **From** 2022-04-25 **Total Experience:** 2 years months	**Designation:** Assistant Professor **To:** 2024-04-25 **Approved:** No
	Institute: N. K. Orchid College of Engineering & Technology, Solapur **From** 2011-05-01 **Total Experience:** 10 years 1 months	**Designation:** Assistant Professor **To:** 2021-06-30 **Approved:** No
	Institute: V. V. P. Institute of Engineering & Technology, Solapur **From** 2010-06-01 **Total Experience:** years 11 months	**Designation:** Assistant Professor **To:** 2011-05-01 **Approved:** No
	Institute: S. E. S. Polytechnic (Shift), Solapur	**Designation:** Lecturer

From 2009-12-01	**To:** 2010-06-01
Total Experience: years 07 months	**Approved:** No

Roles and responsibilities handled in Teaching:
- Swayam/NPTEL/MOOC Course Coordinator at Institute level.
- Solapur University Exam ICT coordinator experience
- Conducted Value added Programs at the Department
- Industrial Internship & Project Coordinator of the Department.
- Internal Test Coordinator of Department at NKOCET
- External Senior Exam Supervisor for more than five College of Solapur University.
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- e-yantra Lab set up at the College.
- e-Yantra Robotics Lab Incharge at the Institute.
- In-charge Head of the Department for Electrical & Electronics Dept. at VVPIET
- Developed new Electrical & Electronics Dept. in VVPIET.

Area Of Interest	- Microprocessors 8085,8086, - Microcontroller 8051, PIC, AVR, ARM7 - Analog & Digital Circuit Design - Embedded Systems & Robotics - Power Electronics - Product Development

Subjects Handled

UG	- Basic Electronics Engineering - Basic Electrical Engineering - Programming Languages C, C++ - Electronics Circuit Analysis & Design –I - Electronics Circuit Analysis & Design –II - Electronics Devices & Circuits - Linear Integrated Circuits - Digital Electronics - Mechatronics - Electrical & Electronics Technology - Industrial Electronics - Analog & Digital Integrated Circuits - Microcontrollers 8051, PIC, AVR, MSP, ARM - Embedded Systems - Internet of Things - Product Design Engineering - Artificial Intelligence - Artificial Intelligence & Applications - Machine Learning
PG	- Cryptography & Network Security

Research And Guidance

Invited as Resource Person/	- Internal Smart India Hackathon, SIH-2023 Judge. - Internal Smart India Hackathon, SIH-2022 Judge.

Expert/ Evaluator	• Project Evaluator for Pune University.

Total Journal Paper Publications	2

Total Conference Paper Publications	1

Detailed Journal Publication list	1. *Amol Kshirsagar, 2014, Design & Implementation of Wireless Sensor Node for Measurement of Conducting Liquid, International Journal of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering, Vol.2,Issue 9, September 2014, ISSN(Online)2321-2004,ISSN(Print) 2321-5526* 2. *Amol Kshirsagar, 2014, Design & Implementation of Sensor for Noncontact Sensing of Liquid, International Journal of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering, Vol.2,Issue 9, September 2014, ISSN(Online)2321-2004,ISSN(Print) 2321-5526.*

Detailed Conference Publication list	1. *Amol Kshirsagar, 2014,Design & Implementation of Wireless Sensor Node for Noncontact Sensing of Liquid, IEEE INDICON-2014, IEEE Pune Section,(11-13Dec,Yashda,Pune), IEEE Explore Digital Library.*

FDP/STTP/Workshop Attended: 8

Sr.No	Title	Organized by	Dates from to	Duration in Weeks/ Months
1	FDP on Electric Vehicle	NBNSCOE, Solapur Mechanical Department	2023-02-27 to 2023-03-03	I Week
2	Research Funding & Proposal Writing	NBNSCOE, Solapur E&TC Department	2023-02-11 to 2023-02-11	1 Day
3	The Joy of Computing using Python	IIT, Ropar	2023-07-24 to 2023-10-13	12 Weeks
4	Introduction to Embedded System Design	NPTEL on Swayam Platform	2020-09-15 to 20220-12-22	12 Weeks
5	Digital Circuits	NPTEL on Swayam Platform	2020-09-25 to 2020-12-27	12 Weeks
6	NBA Accreditation and Teaching-Learning in Engineering (NATE)	IISc Banglore	2020-01-11 to 2020-04-15	12 Weeks
7	Accreditation and Outcome Based Learning	IIT KGP	2019-08-10 to 2019-10-09	08 Weeks
8	e-Yantra LSI Task Based Training on Robotics	MHRD & IIT Bombay	2015-08-12 to 2015-12-13	04 Months

Mooc/ Other Courses Attended: 6

Sr.No	Title	Organized by	Dates from to	Duration in Weeks/ Days

1	The Joy of Computing using Python	IIT, Ropar	2023-07-24 to 2023-10-13	12 Weeks
2	Introduction to Embedded System Design	NPTEL	2020-09-15 to 2020-12-22	12 Weeks
3	Python Programming Essential	Coursera	2020-04-27 to 2020-05-25	4 Weeeks
4	Digital Circuits	NPTEL on Swayam Platform	2020-09-25 to 2020-12-27	12 Weeks
5	NBA Accreditation and Teaching-Learning in Engineering (NATE)	IISC Banglore	2020-01-11 to 2020-04-15	12 Weeks
6	Accreditation and Outcome Based Learning	IIT KGP	2019-01-11 to 2019-04-15	8 Weeks

FDP/STTP/Workshop Conducted: 2

Sr.No	Title	Organized by	Worked As	Dates from to	Duration in Weeks/ Days
1	PCB Design	NKOCET E&TC Dept.,	Organizer and Resource Person	2020-07-01 to 2020-07-07	01 Week
2	Robo-Tech 2022	NBNSCOE, Solapur Robotics and AI Club	Resource Person	2022-03-20 to 2022-03-06	01 Week

Other Activities

Achievements & Awards	1. e-Yantra Task Based Challenge for Teachers (TBT Challenge-2015) completed in March 2016.Won special award with Excellent grading at all India Level. Felicitation for same was done at IIT, Bombay. Invitation to attend e-Yantra symposium at IIT Bombay campus. 2. e-Yantra Lab Set up of Robotics for College in 2016. Received 3 Free Robotics Kits worth Rs. 1,20,000/- for successful completion of Task Based Traning for Teachers by IIT Bombay. e-Yantra Robotics & Embedded Systems Lab set up worth Rs. 03 lacs in the institute. 3. Final Year Best Outgoing Project 2016. Received best outgoing Project Award for Project DIGITAL NOTICE BOARD in E&TC Dept. on 4. Foundation Day e-Yantra Ideas Competition held at PICT, Pune 2019. Students guided by me won Regional Finals of e-Yantra Ideas Competition held at PICT, Pune. 5. Project "Learning Ability Robot" was selected at e-YIC 2019 Final round held in e-Yantra Symposium at IIT Bombay in 2019. Our Project 6. "Learning Ability Robot" was selected for Finals amongst top 21 out of 362 teams, of e-YIC 2019 at IIT-Bombay. 7. "Accreditation and Outcome Based Learning" 8 week course by IIT Kharagpur, NPTEL Swayam Platform 2020 completed with Top 5% rank (Elite+Gold certificate) in "Accreditation and Outcome Based Learning" 8 week course by IIT Kharagpur, NPTEL Swayam Platform IIT Kharagpur, NPTEL Swayam Platform. 8. Texas Instruments Lab Setup for Embedded Systems 2020. Received 45 number Lunch-box hardware Kits from Texas Instruments for completing MOOC Course "Embedded System Design Using MSP430 MCU".

Professional Memberships	
Major Projects Handled	1. Solar Operated e-bicycle. 2. Health Monitoring Device 3. Wi-Fi controlled Digital Display Notice Board 4. Power Saver Timer 5. LEOE Robot

Personal Details	
Employee Code	
Adhar Card Number	890750006645
Pan Card Number	AOEPK9403K