

CURRICULUM VITAE



Mr. AMIT M. SOLANKI

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OBJECTIVE:-

- To excel in this highly competitive world with hard work and enthusiasm, through learning, implementing and contributing towards the development of the organization.

PROFESSIONAL EXPERIENCE:- (Total Experience – 16 Years Teaching)

- Currently working as an Assistant Professor in Electrical Engineering Department of JSPM's BSIOTR Wagholi -Pune (Pune University) Since January-2024 to Continue.
- Worked as an Assistant Professor in Electrical Engineering Department of SND College of Engg. & RC –Yeola District Nasik (Pune University) from February-17 to January-2024.
- Worked as an Asst. Prof. in Electrical & Electronics Engineering Department of Oriental University Indore during May – 2015 to February-2017.
- Worked as an Asst. Prof. in Electrical & Electronics Engineering Department of Lakshmi Narayan College of Technology Indore during January -2013 to April-2015.
- Worked as a Sr. Lecturer in Electronics & Communication Engineering Department of Patel College of Science & Technology Indore during March-2010 to January 2013.
- Worked as a Lecturer in Electronics & Communication Engineering Department of MGIEM. Indore from October-2007 to March-2010.

AREA OF INTEREST:-

- My research area includes Power Electronics Converters and their performing Parameters.
- Power Electronics Converters integration with Renewable Energy Systems.

EDUCATIONAL QUALIFICATION:-

Degree	Institutions	University /Board	Year of Passing	Percentage
* Ph.D (Electrical Engineering)	Sangam University Bhilwara	Sangam University Bhilwara	Pursuing	NA
M.E. (Power Electronics)	SATI Vidisha (Autonomous Engg. College)	RGPV Bhopal	DEC-2012	65.10%
B.E. (Electrical & Electronics Engineering)	JIT Khargone	RGPV Bhopal	JUNE-2007	66.75%
Higher Secondary	SJGGHSS Mhow (Indore)	MP Board Bhopal	March-2002	64.4%
High School	SJGGHSS Mhow (Indore)	MP Board Bhopal	March-2000	72.3%

JOB RESPONSIBILITY:-

- Worked as a Training & Placement Officer and placed more than 900 students in last three year.
- Worked as a PG Co-ordinator & Guided more than 05 Students PG Project.
- Worked as a Training & Placement Coordinator at SNDCOE & RC Yeola.
- Worked as a Diploma In-charge (Administrative) in Oriental School of Polytechnic.
- Class room Teaching of Electrical Engineering Subjects.
- Worked at SND COE & RC as a Departmental NAAC Criteria-5 Co-ordinator.
- Signed MOUS with various Organizations for Students Development.
- Organized State Level Conference under SPPU Pune QIP Scheme & received Rs- 1 Lakh Grant during Academic Year 2017-18.
- Organized State Level Workshop under SPPU Pune QIP Scheme & received Rs- 1 Lakh Grant during academic year 2018-19.
- Organized State Level Seminar under SPPU Pune QIP Scheme & received Rs- 1 Lakh Grant during academic year 2019-20.

- Organized Various Webinar during Pandemic like –Industry 4.0, Battery Charging System, and Power System Protection etc.
- Organized Soft Skills Training Program for the Students.
- New Lab Setup and Lab developments Like Power Electronics, Basic Electrical Engineering, Electrical Drives.
- Delivered expert lecture on “Power Electronics & Drives” for the TY students of SVERI College of Engineering Pandharpur during Academic Year 2023-24.
- Delivered expert lecture on “Recent Trends in Power System” for the TY students of SKN Sinhgad College of Engineering Pandharpur during Academic Year 2023-24.
- Delivered expert Lecture on “PECD” for the students of MMANTC Malegaon College.
- Delivered expert Lecture on “Transformer” to the FE students of SNJB Chandwad.
- Delivered expert Lecture on “Sustainable Power System” to the SE Students of SKN Sinhgad College of Engg. Pandharpur (Solapur).
- Delivered Carrier Guidance lecture to Various Polytechnic College (SND/MIT/Ajitedada Pawar/Gurukul/Ashok) Students in the view of Admission Campaigning.
- Conduction of RGPV Practical and Theory Examination.
- Conduction of Oriental University Practical and Theory Examination
- Student assessment & Evaluation including Examination Work of university.
- Guided Minor & Major Project at Graduate Level and Post Graduate Level.
- Assistant Superintendent in RGPV University Exam.
- Organize industrial visit for student in various industry/ organization
- Organize a Workshop for students on PCB Designing & MATLAB.
- Plan & implement Student’s development activities.
- Question Paper Moderation of University Main Exam in Oriental University Indore.
- Member of “Academic Council” & “Board of Studies” in Oriental University Indore.

SUBJECTS TAUGHT:-

- Electrical Drives & PECD
- Power System-I
- Power Electronics
- Basic Electrical Engineering

PROJECT WORK:-

Project in M.E. “Performance Parameters Analysis of Power Electronics Converter Using PSIM 9.1”

Project in B.E. “Microcontroller Based PWM Inverter”.

RESEARCH GUIDANCE AT POST GRADUATE LEVEL:-

- ❖ Hybrid Wind- Solar Power Generation System with Battery Storage :- Mr. Umesh Kute
(M.E. Power System Pune University in May-2021).
- ❖ Design & Development of Hybrid Electric Vehicle Using BLDC Motor :- Ms. Sonali G.Vidhate
(M.E. Power System Pune University in Dec-2020).
- ❖ Autonomous Power Management for Interlinked AC-DC Microgrids :- Mr. Sachin K.Chitalkar
(M.E. Power System Pune University in May-2020)
- ❖ Characteristics Comparison of Hybrid STATCOM with Different Compensating Devices:
Mr. Kale Ganesh (M.E. Power System Pune University)
- ❖ Short Circuit Analysis of 25 KV Centenary of Electric Traction System: Mr. Aditya Ahire
(M.E. Power System Pune University)
- ❖ Reactive Power Compensation & PF Correction using SVC Binary Technique:-
Ms. Swati Kolhe (M.E. Power System Pune University)
- ❖ Improvement of Power System Stability in Wind Generation by FACT Device:
Ms. Sangale Pooja (M.E. Power System Pune University)
- ❖ Design and Performance Analysis of Three-Phase Solar PV integrated UPQC:
Mr. Hadpe Nilesh (M.E. Power System Pune University)
- ❖ Reduction of Energy Storage requirements in future Smart Grid using Electric Springs:-Ms. Joshi Arati (M.E. Power System Pune University)

PUBLICATIONS: -`

- Amit Solanki, ”Review on Power Quality Improvement in Solar Fed Multilevel Inverter”
Published in Journal of Emerging Technologies and Innovative Research (JETIR) April
2023, Volume10, Issue

- Amit Solanki , “Isolated Wind-Solar Hybrid Power Generation System with Battery Storage System” Published in the International Research Journal of Engineering & Technology (IRJET) Volume -08 Issue -02 February -2021 P.N. 1160 ISSN -2395-0056.
- Amit Solanki, “Power Generation System from Isolated Wind-Solar Hybrid with Battery Storage” Published in the International journal of analytical and experimental modal analysis. Volume-XII, Issue XII , December-2020 P.N.-1637-1354 ISSN : 0886-9367.
- Amit Solanki “ Design & Development of Hybrid Electric Vehicle Using BLDC motor Published in The International journal of Recent Research & Review .Volume-XIII, Issue 03, September-2020 ISSN : 2277-8322.
- Amit Solanki, “Control Strategy for Cross Phase Connected and Conventional UPQC” Published in International Research Journal of Engineering & Technology.Volume-03 Issue 09 ,Sep-2016 P.N.-1352-1354 ISSN : 2395-0056 .
- Amit Solanki, “Study of UPQC for Power Quality Improvement” Published in IJECS Volume05,10th Oct-16 P.N-18330-18333 ISSN :2319-7242.
- Amit Solanki, “MATLAB/SIMULINK of solar Photovoltaic system Through Cuk – Converter.” Published in International Journal of Engineering and Computer Science .Volume-5 ,10th Oct-2016 P.N. -18270-18273,ISSN:2319-7242.
- Amit Solanki, “Grid Connected Solar Biomass Hydro Hybrid System for Renewable Energy production for Village Pachori.” Published in International Journal of Emerging Trends in Engineering and Development Issue 6, Vol. 4 (July 2016).
- Amit Solanki,” Simulation & Performance Parameters Analysis of Single-phase Half Wave Controlled Converter using PSIM” in International Conference at Mangalmay Institute of Engineering & Management in March-2014 at Noida.
- Amit Solanki “Simulation & Performance Parameters Analysis of Single-phase Full Wave Controlled Converter Using PSIM” in International Journal of Engineering Research and General Science Volume2, Issue 3,ISSN 2091-2730, April-May,2014 ,Page No.410-414.
- Amit Solanki, “Adaptive Control method for the speed control of dc Series motor” AT

National Level Conference at LNCT INDORE in August-2011.

- Amit Solanki, “Adaptive Control method for the speed control of dc Series motor” AT National Level Conference at LNCT INDORE in August-2011.

WORKSHOP/SEMINAR/FDP ATTENDED:-

- Attended MPCT funded one week National level Workshop on “Grant Writing, IPR & Publication strategy” from 27th Nov. to 1st Dec.-2023 organized by SVKM’s NMIMS Indore.
- Attended two days FDP on “Electrical Vehicle Technology” during 1st March to 2nd March-2024 organized by MIT Yeola in association with EV Robotics Skill Coach India Pvt. Ltd.
- Attended five days Short time Course (STC) on “Big Data Applications in Electrical Engineering” during 20th to 24th February-2023 organized by National Institute of Technical Teachers Training & Research, Chandigarh.
- Attended Eight Week NPTEL course on “Ethics in Engineering Practice” during 21st Feb-20th March-2022.
- Attended online AICTE Approved Short term Course on “Real time Simulation in Smart Grid: Signification & Applications during 21st Feb to 26th Feb-2022 organized by IIT Indore.
- Attended online AICTE-ISTE Approved Orientation Programme “Smart Renewable Energy & Society during 21/02/2022 to 26/02/2022 organized by BIT Durg Chhattisgarh.
- Attended online one week STTP on “Smart Grid & Big Data Analysis “during 02nd Novemberto 07th Nov.-2020 .it organized by IES IPS Academy Indore Sponsored by AICTE New Delhi.
- Attended online one week FDP on “NAAC Awareness Program for Faculty” during 8/5/2020 to 14/05/2020 organized by MMIT Pune.
- Attended one day Seminar on “Modeling, Simulation and Implementation on Embedded system using MATLAB & SIMULINK ” on 27th October 2015 at Bhopal .it Organized by “MATHWORKS” Limited.

- Attended four days' workshop on "MATLAB & SIMULINK" on 4th-7th March 2014 at LNCT Indore in association with Techwiz Ltd. Indore.
- Attended Two week ISTE workshop on "CONTROL SYSTEM" (2nd Dec to 12th Dec-14) Organized by IIT Kharagpur in association with MHRD Delhi.

COMPUTER AWARENESS:-

- MS-word & Excel, Simulation Software's PSIM 9.1 & MATLAB SIMULINK.

STRENGTH:-

- Hardworking
- Dedication
- Capacity for Teamwork
- Patience

ACHIEVEMENTS:-

- Appointed as a Subject Chairman of M.E. Course (Power Quality Assessment & Mitigation) by SPPU Pune during Academic Year 2022-23 & 2023-24.
- Achieved 90 % result of my subject (Power electronics Controlled Drives) during June-2022 Exam session.
- Received Grant of 1,00,000/-rs from SPPU Pune under QIP Scheme in March -2019 for Two days State level workshop on "Power Electronics Applications in Renewable Energy Systems"
- Received Grant of 1,00,000/-rs from SPPU Pune under QIP Scheme in March-2018 for Two days State level Conference on "Recent Trends in Power Systems".

PERSONAL DETAILS: -

Name	AMIT SOLANKI
Fathers Name	Shri Madhu Solanki
Mother's Name	Smt. Santoshi Devi
Wife's Name	Mrs. Priya Solanki
Date of Birth	26 th - July -1984
Permanent Address	Flat No.-416 C01 Newyorkcity –Indore (Madhya Pradesh)
Marital Status	Married
Nationality	Indian
Languages Known	Hindi, English, Marathi

REFERENCE:-

- **Dr. Pradyumn Chaturvedi**

Assistant Professor, Electrical Engineering Department, VNIT Nagpur, Maharashtra

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I hereby acknowledge that all the details furnished about me are true to the best of my Knowledge and belief.

Date: - / /

Place: - Wagholi Pune

(AMIT M. SOLANKI)