

CURRICULUM VITAE

SUNIL S. MANJANI

“ADITYA” 29, Kukreja Nagar, Nara Road,
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ttsunil_2002@yahoo.co.in



Personal Profile:

Name : Sunil Sadhu Manjani
Father's Name : Sadhu S. Manjani
Sex : Male
Marital Status : Married
Nationality : Indian
Hobbies : Reading, net surfing, watching football
Date of Birth : 19-11-1977

Career Objective:

To secure a challenging position where I can effectively contribute my skills as Electrical Engineer, & deliver my knowledge to budding engineers .

Educational Qualifications:

Examination	Year	Discipline/ Specialization	School/college	Board/ University
MTech	2004	Integrated Power Systems	V.N.I.T, Nagpur	V.N.I.T, Nagpur (Deemed)
B.E	2000	Electrical Engineering	P.C.E & A, Nagpur	Nagpur University
H.S.S.C	1995	Science + Maths Stream	S.H Junior College, Nagpur	Maharashtra Board.
S. S. C	1993	S.S.C	M.G.C.S High School, Nagpu r	Maharashtra Board.

Academic Projects:

Project1: Robot Limb Controlled By PC [During B.E]

Language of Implementation: Basic

Operating System: Dos.

DESCRIPTION:

In this project four stepper motors were controlled by a program written in basic generated at printer port of pc and fed via Electronic interfacing circuit and relays

Project2: Voltage Stability Study

Language of Implementation: Matlab

Operating System: Windows95/98.

DESCRIPTION:

The objective of this project is to generate the required code in Matlab for applying Load Flow to IEEE test systems and using another Matlab Program and results of Load flows Modal Analysis was done to identify weak buses in the system regarding voltage profile which help to provide proper compensation to the weak bus.

Capabilities and Experience:

Research

- Facts Devices , Voltage Stability, Drives
- One journal and three conference articles

Leadership

- Mentored students (UG and PG)
- Organised various workshops & seminars
- Teaching (UG and PG Levels)

Operating systems

- Windows

Software skills

- MATLAB programming (4 years)
- C (3 years)
- C++ (1 year)

•PSCAD,

• VISIO

Specializations

- Power systems ,
- Drives

Experience Details :

Teaching

Sr No.	Name of organization	Duration	Position held	Nature of duties
1.	Unacademy	Feb 2021 to present	GATE and ESE faculty	Teaching
2.	The GATE COACH	May 2019 to present Part time	Branch head n GATE/IES/PS U/JE Faculty	Teaching Content development
3.	Elite academy	April 2018 to present (Part time)	Gate Faculty	Teaching t
4.	Goodwill Classes	July 2014 to present	Sr. Lecturer Physics for XI, XII IIT JEE, SCIENCE teacher	Teaching and mentoring students
5.	Gniet, nagpur	July 2016 to April 2017	Asst Professor	Teaching solving difficulties, mentoring
6.	Priyadarshini College of Engg, Nagpur	July '06 to Sept'13	Assistant professor	Teaching And R&D
7.	K.I.T.S Ramtek (Nagpur Dist)	Jan '05 to June'06	Lecturer	Teaching
8.	Umrer College of Engg, Umrer (Nagpur Dist)	July '04 to Jan'05	Lecturer	Teaching

MATLAB EXPERIENCE : USING MATLAB SINCE 2002 (EXPERIENCE 4 YEARS)

PRESENT Pay : 8.0 lacs p.a

Subjects Taught:

UNDER GRADUATE

Practice Basic Electrical Engineering, Network Theory, , Basic Electrical Machines, C Programming ,

Power electronics. **Practise POST GRADUATE(Mtech) :**

GATE:

Network Analysis, Electromagnetic Fields , Control Systems, Electrical/ Electronics Measurements , Analog/ Digital Circuits.

IIT JEE: Physics , Chemistry

JUNIOR COLLEGE: XI, XII (Maharashtra/cbse boards) .. Physics , chemistry

SCHOOLING: (6th ,7th ,8th , 9th ,10th), Science

- Participated in National Conference on Power Systems (NPSC-2004) held at IIT Chennai and Presented Paper on “Voltage Stability assessment Using Modal Analysis”
- Qualified Graduate Aptitude Test in Engineering in 2001.
- Completed Short Term Course on ‘ PLC(AB slc-500) and Drives .
- Completed short term course on FPGA &VHDL

Guided projects/Dissertation:

(i) PG level(Four)

S.No.	Title of project	Name of projectee/ Institution	Status
1	Comparative study of PMSM control methods	Mr. Amit Muley	Completed
2	Fault diagnosis of induction motor using PLC.	Mr. Yogesh Godhwani Final year M Tech priyadarshini college of Engineering Nagpur.	Completed
3	Torque ripple mininisation in Stepper motos	Mr. pradeep Morpak Final year M Tech priyadarshini college of Engineering Nagpur	Completed
4	Control of stepper motor using CNC machine	Mr .Rahul Meshram priyadarshini college of Engineering Nagpur	Completed

(ii) UG level (Five)

S.No.	Title of project	Status
1)	Alarm annunciatator for Dg set	completed
2)	Detection of faulty transformer in substation using microcontroller.	completed
3)	Design of EHV AC Transmission line	completed
4)	Design and implementation of medium power low cost inverter for rural lightning loads	completed
5)	Theft detection of electrical loads.	completed

Research activity(Papers presented):

National Conference(One)

- Mr, S.S Manjani & Mr. S.R Tambay “Voltage Stability assesment Using Modal Analysis” National conference on Power Systems on 26-30 Dec 2004 Organised by IIT Chennai

International Conference(Three)

- Mr.S.S Manjani, Yogesh godhwani “Fault diagnosis of induction motor using PLC” International conference on Novel Horizons & prospectus of Industry Institute Interaction on dated 5-6 Feb 2012 Organised by Shankaprasad Agnihotri college of engineering Wardha.
- Mr.S.S Manjani, Yogesh godhwani “Fault diagnosis of induction motor using PLC.” IR net International conference on Electrical & electronics Engg (ICEEE-2012) held at Nagpur on dated 4 Feb 2012 Organised by Interscience Reasearch Network Bhubaneshwar ,Odisha(India).
- Mr. Amit Muley , S.S Manjani “ Speed control of PM synchronous motor by Direct Torque Control Method” International Conference on Telecommunication and Computing (ICTC-2013) Organised by kITS Ramtekdated 18 th – 20 th Dec-2013

Seminar/Workshop/STTP Attended:

S.NO.	Conference/ STTP Name of theme	Venue	Date
1)	Exposures to Electrical drives & control Techniques.	Dept of EE PCE Nagpur	27-11-06 to 8-12-06
2)	Staff Development progamme on Advances in power system,drives & control.	Dept of EE PCE Nagpur	1-12-2008 to 13 -12-2008
3)	Workshop held on Non conventional energy sources	Renewable enegy club PCE Nagpur	20-02 -07
4)	STTP on Advancement in Power Electronics & its applications	Dept of EE Dr.Babasaheb Ambedkar CE Hingna Road Nagpur.	23-04-12 to 27-04-12

Conference/Seminar/Workshop/STTP Organized:

S.NO.	Event /PortFolio	Venue	Nature of work
1)	International conference on Recent Trends in automation & its adoption to industries.	Dept of EE PCE Nagpur	Committee Member
2)	Staff Development programme on Advances in power system,drives & control.	Dept of EE PCE Nagpur	Committee Member
3)	National students convention JIGYASA 2009	Dept of EE PCE Nagpur	Dept section Head
4)	National students convention JIGYASA 2011 on dated 28,29,30 Jan 2011	Dept of EE PCE Nagpur	Dept section head
5)	Industrial Visit(CPRI) Nagpur	Organised by Dept of EE PCE Nagpur	Co-Incharge
6)	Industrial Visit Hydro Electric	Organised by	Incharge

	power plant Totlahdoh Nagpur.	Dept of EE PCE Nagpur	
7)	Training and Placement	PCE, Nagpur	Dept section head

Administrative duties:

- Successfully completed 2 year tenure of Forum Incharge of Electrical Engineering department.
- Successfully completed 2 year tenure of scheduling of Electrical Engineering department.
- Successfully completed 2 year tenure of Lab Incharge of Electrical Engineering department.
- Successfully Headed various Events like Blood Donation camp, cultural evening, Debate Competition under the banner of Electrical Engineering Students Forum for EE department.
- Our Students are very much happy with my effective Teaching.
- Set up of new experiments in various laboratory, prepared many reports & lab manuals.

Duties at university Level:

- Nagpur University Approved Lecturer & Assistant Professor.
- Worked as Invigilator in Nagpur University Examination Every year.
- Worked as Internal practical examiner in Nagpur University Examination Every year.
- Worked as External practical examiner in Nagpur University Examination Every year.
- Worked as Paper Setter in Nagpur University Examination Every year.
- Worked as Paper Moderator in Nagpur University Examination Every year.
- Worked as Paper Valuer in Nagpur University Examination Every year.
- Worked as External examiner for evaluation of under graduate project in Nagpur University Examination.
- Worked as Reassessment Valuer in Nagpur University Examination Every year.
- Worked as Invigilator in Sessional Examination in our college Every year.
- Worked as Committee Member in Sessional Examination in our college Every year.

Social Duties:

- Performed Election Duty for Loksabha constituency on 16 April 2009
- Performed Election Duty for Zilla parishad constituency on 7 Feb 2012
- Performed Election Duty for Nagpur Muncipal constituency on 16 Feb 2012.

Additional Interests:

- Motorcycling ,watching football, reading and internet surfing.

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Nagpur

(Sunil Manjani)