

RESUME

Mrs.Sakshi M. Hosamani

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Birth Date : 3JANUARY 1987



Career Objectives:

To obtain a career that brings me to the forefront of challenges, this makes ample use of my potentials & experience for the welfare of my organization/institute and helps me to update myself to the new technologies.

Work Experience: -

- Working as an **Assistant Professor in E&TC Department, PICT, Pune** since 1 July 2014 to till date.
- Worked as **Assistant Professor in E&TC Department, JSPM's JSCOE, Hadapsar** from 1 Aug 2012 to 26 June 2014.
- Subject Taught:** Control System, Electronic Circuits, Basic Electronics Engineering, Electronic Product Design, Electronics System design, Project Based learning, Electronic Skill Development
- Total Teaching Experience: **8 Years 9 Months**

Educational Qualification:

Qualification	Course	Branch	University/Board/College	Year Of passing	Aggregate % marks/Class
Post-Graduation	M.E	E&Tc Microwa ve	Pune University PICT, Pune	2011	First Class 7.4 (CGPA)
Graduation	B.E	E&Tc	Solapur University College of Engineering, Pandharpur.	2008	First Class with Distinction 71.00%
Higher Secondary	HSC	General Science	Maharashtra State Board- Kolhapur SRVM High School & Jr.College,Jath	2004	First Class with Distinction 78.33%
School	SSC	-----	Maharashtra State Board- Kolhapur SRVM High School & Jr.College,Jath	2002	First Class with Distinction 85.06%

Computer Skill:-

Software : Multisim, Octave, HFSS (High Frequency Structure Simulator), Proteus, MATLAB, CADFEKO.

Project Work:-

<p><u>M.E. Project:</u></p> <p>"Microstrip To Waveguide Transition Using Substrate Integrated Waveguide H-Plane Horn Antenna"</p> <p><u>Sponsored By:</u></p> <p>Society of Applied Microwave Electronics and Engineering Research (SAMEER), EMI/EMC division, IIT Powai, Mumbai.</p>	<ul style="list-style-type: none"> ▪ Study of Horn Antenna & Substrate Integrated Waveguide Technology. ▪ Design and simulation of H-Plane Horn Antenna on HFSS Software. ▪ Actual designing and implementation of Microstrip to W/G Transition using SIW H-Plane Horn antenna and Testing and testing them on Vector Network Analyzer. ▪ Testing of Antenna in Anechoic Chamber. ▪ Parameter Calculated Gain & Bandwidth
<p><u>B.E. Project:</u></p> <p>"Wireless Robo Control using PC".</p>	<ul style="list-style-type: none"> ▪ Developing program using VB. <p><u>Project Details:</u></p> <ul style="list-style-type: none"> ▪ Project is designed to automate the task such as, in certain industry where due to high temp, rotating shaft; oily areas to carry materials from small tunnels & dangerous part of mine. ▪ This robot is developed which microcontroller system will be there which will take reading & pass to other computer using RF modules.(TX/Rx)

Publications: -

<u>Sr No:</u>	<u>Title</u>	<u>Authors</u>	<u>Year & Occasion</u>
1	"Pentagonal shaped fractal antenna with modified ground and enhanced bandwidth for wireless applications"	Ms. Shridevi Jamage, Mr. Shahadev Hake, Mr.Vishal Bhame,	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 IJERTV7IS030045 Published by :www.ijert.org

		Mr. Pritam Nikam	Vol. 7 Issue 03, March-2018
2	" Dielectric Loaded H-Palne Horn Antenna using SIW Technology"	Ms. Shridevi K. Jamage, Mrs. S. R. Ranade , Dr. A.P. Dhande..	January 2011, "i-COST" International Conference by Sunris Technology, Dhule, India
3	"Microstrip to waveguide transition using Substrate integrated Waveguide H-Plane Horn Antenna"	Ms. Shridevi K. Jamage, Mrs. S. R. Ranade , Dr. A.P. Dhande..	e-PGCON – 2011, Conference held by University of Pune, Pune, India

Departmental Responsibilities

- **In charge of Visiting faculty record for last two years.**
- Committee member **of PICT branding committee.**
- **Committee Member of Time table** (E&TC department) for last 5 Years.
- **Member of UHV cell from E&TC Departmental.**
- **Subject Coordinator** of Basic Electronics Engineering for 7 Years.
- **Class** coordinator of SE8 division for Academic Year 2020-21 SEMII
- **Teacher-Guardian** for every semester one batch.
- **Committee member for time table committee of E&TC department** for last 5 Years.
- **Member of NBA CO-PO Calculation** of BXE (last 6 years), EXC and Control System subject.
- **Member of TW calculation** of BXE subject for last 7 Years.

Co-curricular Activities (Workshop attended/organized/Resource person/Guest lectures organized)::-

- 1 **Attended ₹- -One day workshop cum webinar** on e-content development and Intellectual Property Rights on 27-04- 2020 at 11.00 am to 3pm.
- 2 **Attended two days online workshop on "Academic Research Methodology ,Publication and Ethics "**on 28 April 2020 at 11 am to 1pm and 29 April 2020 at 11 am to 1 pm
- 3 **Attended One week online FDP on "Python-3.4.3"**by Department of Computer Engineering, PICT in association with spoken Tutorial IIT Bombay during 27 April to 2 May 2020
- 4 **Attended One week online FDP on "Ardunio "**by AISSM COE, Pune in association with spoken tutorial, IIT Bombay during 28 April to 2nd MAY. Watched

12 related Videos out of 17 till dated and going to appear exam on same FDP on 3rd May 2020

- 5 **Attending One week online FDP on "Scilab"** by SCOE, Vadgaon Pune, E&TC Department in association with spoken tutorial, IIT Bombay during **29 April to 4 th MAY**. Watched **4** related Videos out of 17 till dated and going to appear exam on same FDP on 4 th May 2020.
- 6 Attended "**One Day Online National Workshop on "Block chain Technology" on 2nd May 2020**" organized by GANPAT UNIVERSITY, FCA in association with ACM Ahmadabad Professional 2nd May 2020.
- 7 **Attending" Faculty Development Program for TA/ LA and interested teaching staff of E &TC"** organized by E&TC Department, PICT Pune.
- 8 Attended One week Online FDP "**Opportunities and Challenges in Electronics and allied Industries in INDIA post Covid-19**" organized by Department of Electronics Engineering in association with Institution's Innovation Council of Vivekanand Education Society's Institute of Technology from 25th to 30th May, 2020.
- 9 Attending FDP on "**Moodle Learning Management System**" organized by Department of E&TC Engineering, PICT Pune in association with IIT Bombay Spoken Tutorial from 26th to 30th May. 2020.
- 10 Attending Five Day "**LIVE ONLINE SHORT TERM COURSE ON ARTIFICIAL INTELLIGENCE , MACHINE LEARNING AND ITS APPLICATIONS**" from 29-05-2020 to 02-06-2020 organized by Dept of ECE "Tirumala Engineering College ,Jannalagadda(V),Narasaraopet, Guntur(Dt)AP.
- 11 **Successfully completed** One Week Online Faculty Development Program on "**Effective Proposal Writing for Research and Funding**" organized by Department of Electronics & Telecommunication Engineering In association with IEEE Women in Engineering from **13th May to 18th May 2020**.**Received e-certificate for the same.**
- 12 **Attended 5 days online Faculty Development Program on " RECENT COMMUNICATION TOOLS AND ITS APPLICATIONS "** organized by Department of Electronics and Communication Engineering of St. Martin's Engineering college organizing during 1:30 PM to 3:30 PM ,19/5/2020 to 23/5/2020
- 13 Attended one week online FDP on "**Recent Trends in Electronics Industry**"(**RTEI-2020**) during May 18th to May 23rd.
- 15 **Attended and completed One week online FDP on "LINUX"** organized by Electronics & Telecommunication Engineering, SCOE, Kondhawa, Pune in

association with spoken tutorial, IIT Bombay during 4thMay to 10th MAY 2020.

- 15 **Attended Two-Day workshop on "Wired and Wireless Simulation using Network Simulator (NS-2), on 9th and 10th May 2020 organized by PICT Wireless Communication Group.**

Extra-curricular Activities (College level): -

1. Member of **Extra Curricular Activities** of PICT for last 6 Years
2. Member of **Anti Ragging Committee** of PICT
3. Member of **PICT ACM** chapter.
4. Part of **FE Admission cell last 4 Years.**
5. Member of **SWADA.**
6. **Member of UHV**
7. Member of **Pune PICT Covid WORRIER.**
8. **Member of**
9. **Committee member** of Judging for Concepts Event Committee and Online arrangement as per Committee Head and members for INC 2021
10. Part of **Convocation ceremony 2020-21.**
11. **Member of FE INDUCTION PROGRAM** for AY 2019-20.

Any other significant Achievement: -

1. Completed **MOOC's NPTEL Online certification course in Basic Electrical circuit** with 61%(Elite Grade)(Duration 8 week) , **Basic Electronics** with 63%(Elite Grade) (Duration :12 week) and Outcome Based Pedagogic Principles for Effective Teaching with 73%(Elite Grade)(Duration:4 Week)
2. Completed **MOOC's NPTEL Online certification course in Basic Electrical circuit** with 61%(Elite Grade)(Duration 8 week)
3. Completed **MOOC's NPTEL Online certification course in Basic Electronics** 63%(Elite Grade) (Duration :12 week)
4. **Successfully completed following Coursera online courses**
 - 1)"Learning How to Learn: Powerful mental tools to help you master tough subjects"
 - 2)"Mind shift: Break Through Obstacles to Learning and Discover Your Hidden Potential"
 - 3) Course of "Enhancing Soft Skills and Personality" (8 Weeks) AICT Approved Completed all assignments on time .Exam is pending due to lockdown

5. Prepared e-learning material for the subject **Basic Electronics Engineering**. This e- material contains animations, question bank (objective and descriptive) and presentation

Creation of e-learning contents/study material: -

- **Total 26 Video lectures of BXE are recorded during lockdown and uploaded same on you Tube and PICT FE Department e-learning portal.**
- **Record 4 Video demonstrations** of all experiments of BXE **and uploaded same on You Tube and PICT FE Department e-learning portal.**
- Prepared of notes in soft copy and PPTs for all the six units for BXE.
- Prepared descriptive type questions and 400 MCQ question on BXE.

In-House Development of Experimental Kits: -

- Developed Prototype of
 - a) Study of Rectifier circuit
 - b) V-I characteristics of PN junction and zener diode
 - c) OP-AMP application circuit
- Prepared Informational **Charts and experimental boards** for laboratory development.

Declaration: -

- I hereby declare that the above written particulars are true to best of my knowledge & belief.

Place: Pune

Date: 25 May 20201

(Mrs. Sakshi M. Hosamani)