

Mrs. G. P. S. PRASHANTHI,
 Assistant Professor,
 Department of Electronics & Communications Engineering,
 Gayatri Vidya Parishad College of Engineering for Women,
 (Approved by AICTE, New Delhi and affiliated to JNTU-Kakinada,
 Accredited by National Board of Accreditation (NBA))
 Visakhapatnam-48, Andhra Pradesh, India.



Contact no: 8297048294

Email id: gpsprasanthi@gvpcew.ac.in, gpsprasanthi@gmail.com

CAREER OBJECTIVE:

To work in a creative, challenging environment and achieve growth oriented career in an organization where I can contribute best to the growth of the organization and my technical skills.

ACADEMIC QUALIFICATIONS:

Qualification	Institution	Year of passing	Percentage of marks
M. Tech (VLSI and Embedded Systems Design)	Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam. (JNTU Kakinada)	2013	82.57%
B. Tech (E. C. E)	Kaushik College of Engineering, Visakhapatnam. (JNTU Kakinada)	2011	71.21%
Intermediate	Sri Chaitanya Junior College, Visakhapatnam. (B. I. E)	2007	90%
10th Class	Zinc Smelter Senior Secondary School, Visakhapatnam. (S. S. C)	2005	84%

Area of Expertise	<i>Digital Electronics, Digital IC Design, Very Large Scale Integration</i>
--------------------------	---

TECHNICAL SKILLS:

Programming languages	Tools
<ul style="list-style-type: none"> • C • Visual Basic • MATLAB • VHDL & Verilog HDL • Assembly Level Language • KEIL 'C' • Embedded 'C' 	<ul style="list-style-type: none"> • Turbo C • MASM • KEIL • Xilinx • Mentor Graphics • Lauterbach • Green Hills

PROFESSIONAL EXPERIENCE:

Assistant Professor (*Ratified by Jawaharlal Nehru Technological University, Kakinada, India*) in Gayatri Vidya Parishad College of Engineering for Women, Visakhapatnam from 19-09-2016.

Institution	Position held	From date	To date	Years of Experience
Gayatri Vidya Parishad College of Engineering for Women	<i>Assistant Professor</i>	04-02-2014	Till date	8 years 3 months
Visakha College of Engineering	<i>Assistant Professor</i>	19-06-2011	13-11-2011	6 months

COURSES TAUGHT:

Subjects Taught (UG)	<ul style="list-style-type: none"> • <i>C Programming Language (C) – 1 time</i> • <i>Switching Theory and Logic Design (STLD) – 3 times</i> • <i>Digital Logic Design (DLD) – 4 times</i> • <i>Micro Processors and Micro Controllers (MPMC) - 5 times</i> • <i>Embedded Systems (ES) - 2 times</i> • <i>Satellite Communications (SC)– 1 time</i> • <i>Linear Digital IC Applications (LDIC)– 1 time</i> • <i>Digital Electronics (DE)– 1 time</i> • <i>Digital IC Design (DICD)– 1 time</i>
Subjects Taught (PG)	<ul style="list-style-type: none"> • <i>System On Chip (SOC) – 1 time</i> • <i>CMOS Digital IC design – 1 time</i> • <i>Embedded Systems (ES) – 1 time</i> • <i>CMOS Mixed Signal Circuit Design – 2 times</i>
Labs Dealt (UG)	<ul style="list-style-type: none"> • <i>C Programming Language (C) Lab</i> • <i>Digital Logic Design (DLD) Lab</i> • <i>Electronic Computer Aided Design (ECAD) Lab</i> • <i>Digital Signal Processing (DSP) Lab</i> • <i>Digital Communication (DC)Lab</i> • <i>Microwave Engineering & Optical Communication (MWE & OC) Lab</i> • <i>Digital System Design & Digital IC Applications (DSD & DICA) Lab</i> • <i>Very Large Scale Integration (VLSI) Lab</i> • <i>Micro Processors and Micro Controllers (MPMC) Lab</i> • <i>Switching Theory and Logic Design (STLD)Lab</i> • <i>Digital IC Design (DICD) Lab</i>

PAPERS / BOOKS PUBLISHED:

Title	Name of Journal	National/ International	Year of publication with page Nos.
<i>Development of Embedded Processor Based “Communication and Acquisition System”</i>	<i>International Journal of Engineering Research & Technology (IJERT)</i>	International	ISSN: 2278-0181, Volume. 2 Issue 10, Oct., 2013 Page No’s: 2340 to 2345
<i>Enriched Pole Positioning Technique for Audio Applications</i>	<i>International Journal for Scientific Research & Development (IJSRD)</i>	International	ISSN: 2321-0613, Volume. 3, Issue 1, Mar., 2015. Page No’s:1189 to 1191
<i>Speech to Text Conversion using HMM)</i>	<i>International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)</i>	International	ISSN: 2278 – 909X, Volume 5, Issue 3, March 2016. Page No’s: 557 to 560
<i>Analog and Digital PLL with Single Ended Ring VCO for “Full Swing Symmetrical Even Phase Outputs</i>	<i>” International Journal of Computer Engineering In Research Trends (IJCERT)</i>	International	ISSN (O): 2349-7084 Volume 3, Issue 8, August-2016, pp. 441-446
<i>Low Power Adiabatic Logic Design</i>	<i>IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)</i>	International	e-ISSN: 2278-2834,p- ISSN: 2278-8735. Volume 12, Issue 1, (Jan.-Feb. 2017), PP 28-34
<i>Design and Implementation of High speed counters using “MUX based Full Adder (MFA)”</i>	<i>IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)</i>	International	e-ISSN: 2278-2834,p- ISSN: 2278-8735. Volume 14, (Jul.- Aug. 2019), PP 57-64

M.TECH PROJECT:

Project Trainee at “*Naval Science & Technological Laboratory (N. S. T. L)*”, *Defense Research & Development Organization (DRDO)*, Government of India, Visakhapatnam.

- **Training Period** : From 7th January 2013 to 31st October 2013.
- **Project Title** : *Development of Embedded Processor Based “Communication and Acquisition System” for Underwater Technology.*

PROJECTS UNDERTAKEN:

- Did the project on “Study of Transmission Maintenance” in “Bharat Sanchar Nigam Limited (BSNL)”, Telecom services, Visakhapatnam.
- Undertaken the project “Prediction of coverage for GSM networks” in Kaushik College of Engineering, Visakhapatnam.

CONFERENCES/ WORKSHOPS/ FDPs/ WEBINARS/QUIZES ATTENDED:

Name of Program	National/ International	Venue	No. Of days	Month, Year
Conference on <i>Advances in Radar, Communications and Network Enabled Technologies</i>	National	<i>Naval Science and Technological Laboratory (NSTL), DRDO, Visakhapatnam, AP</i>	2 days	September 2013
Workshop on <i>Cognitive Radio Technologies (CRT)</i>	National	<i>GVPCEW</i>	2	25 th & 26 th September, 2015
Workshop on <i>Electromagnetic and Radio Frequencies (EMRF)</i>	National	<i>GVPCEW</i>	3	22 nd – 24 th January, 2016
FDP on <i>CMOS Mixed signal and RF VLSI Design</i>	National	<i>IIT Kharagpur</i>	2 weeks	December 25 th , 2016 to February 4 th , 2017
Organized A Three Day Workshop On “ <i>Signal Processing and Communication Systems</i> ”	National	<i>GVPCEW</i>	3	15 th To 17 th November, 2017
Participated in the Workshop “ <i>WCCS-2018</i> ”	National	<i>GVPCEW</i>	3	22 nd March To 24 th March, 2018.
A Three days Workshop on <i>Custom Analog & Digital IC Design using Mentor EDA Tools (ADICD)</i>	National	<i>GVPCEW</i>	3	27 th to 29 th September, 2018.
AICTE _FDP , NPTEL (<i>STLD</i>) ELITE -60%	National	Online AICTE _FDP, <i>IIT Kharagpur</i>	12 Weeks	July – Oct, 2018
Webinar on <i>Analog IC Design using Mentor EDA tool</i>	National	<i>CoreEL Technologies</i>	1 day	10 th April, 2020
Online FDP on <i>Design, Implementation & Verification in VLSI</i>	National	<i>Sandeepani School of Embedded system Design, Bangalore</i>	5 days	27 th April to 1 st May, 2020
Quiz on <i>Basic Electronics and Digital Logic Gates, scored 90%</i>	National	<i>JP College of Arts & Science</i>	1 day	4 th May, 2020

Online FDP on Digital system design with Verilog & Vivado	National	Sandeepani School of Embedded system Design, Bangalore	5 days	11 th May to 15 th May, 2020
Online FDP on Deep Learning & Its Applications	National	Electronics and ICT Academy, IIT Roorkee	10 days	11 th May to 20 th May, 2020
Quiz on Social Networking	National	Mangalayathan University, Uttar Pradesh	1 day	15 th May, 2020
Webinar on Machine learning for beginners	National	Narayana Engineering College, Gududru	1 day	23 rd May, 2020
Webinar on Corona, The Unwanted Companion but an Invisible Teacher	National	International School of Management, Patna	1 day	24 th May, 2020
FDP on Artificial Intelligence	National	Chalapathi Institute of Technology, JNTU K, Guntur	1 week	24 th May to 29 th May, 2020
Webinar on computational Electromagnetic techniques for different RF Microwave and Millimeter wave Application	National	Gayatri Vidya Parishad College for Degree & PG Courses (A), Visakhapatnam	1 day	25 th May, 2020
Webinar on Digital Logic Design	National	Sri Manakula Vinayagar Engineering College, Puducherry	5 days	25 th May to 29 th May, 2020
Quiz on NAAC	National	Padmabhushan Vasantdada Patil Pratishthans College of Engineering, Mumbai	1 day	26 th May, 2020
Quiz on COVID-19 Awareness Program, in which a quiz about Aarogya Setu App scored 60%	National	Government Degree College, Uttar Pradesh	1 day	26 th May, 2020
Webinar on Insights into Machine learning	National	Vellore Institute of Technology, Vellore	1 day	26 th May, 2020
Quiz on Research Metrics in Scientific Publications with a score of 100%	National	MLR Institute of Technology, Hyderabad	1 day	26 th May, 2020
Online FDP on Advanced Embedded systems with Arduino	National	Santhiram Engineering College, Kurnool	1 week	26 th May, 2020 to 31 st May, 2020
Webinar on Survival of the fittest post COVID-19	National	SCAD college of Engineering & Technology, Chennai	1 day	27 th May, 2020
Webinar on How to build a career in VLSI	National	QSOCs Technologies, Bangalore	1 day	27 th May, 2020
Webinar on Image Processing and Computer Vision Industrial Scope	National	Chalapathi Institute of Technology, JNTU K, Guntur	2 days	27 th May to 28 th May, 2020
Webinar on Digital Transformation	National	Poornima Institute of Engineering & Technology, Jaipur	1 day	29 th May, 2020
Webinar on MATLAB software for Power Electronics Hands on training	National	Arasu Engineering College, Chennai	1 day	30 th May, 2020

Webinar on Post COVID-19 Challenges in Media Organisations and Future Employment Avenues	National	Vivekananda School of Journalism and Mass Communication	1 day	30 th May, 2020
Quiz on COVID-19 with a score of 65%	National	Government Degree College, UttaraKhand	1 day	31 st May, 2020
Workshop on Introduction to Big Data & Artificial Intelligence	National	Institute of Leadership and Governance, Gujarat	1 day	31 st May, 2020
Online FDP on Digital Engineering in Aerospace	National	Andhra Pradesh State Skill Development Corporation (APSSDC) in association with Dassault systems	1 week	1 st June to 5 th June, 2020
Online FDP on Overview of AI & Its applications in Speech Processing	National	Chebrolu Engineering College, Guntur	1 week	1 st June to 5 th June, 2020
Webinar on VLSI Design & Verification	National	GVPCEW	1 day	3 rd June, 2020
Quiz on Basic Electronics	National	MVPS's Rajarshi Shahu Maharaj Polytechnic, Nashik	1 day	3 rd June, 2020
Online FDP on Cyber Security	National	Anurag University	3 days	3 rd June to 5 th June, 2020
Quiz on Digital Electronics with a score of 84%	National	GMR Institute of Technology, Rajam	1 day	4 th June, 2020
Webinar on Brain Computer Interface (BCI)	National	NITK in Association with Pantech Solutions	1 day	5 th June, 2020
Quiz on World Environment Day	National	Lords University, Delhi	1 day	5 th June, 2020
Webinar on Challenges of Working from Home - 2020	National	Rai University, Gujarat	1 day	12 th June, 2020
Webinar on Memory Secrets for Teachers	National	ML Dahanukar College of Commerce, Mumbai	1 day	15 th June, 2020
Quiz on Arduino Board Findings, scored 75%	National	JP College of Arts & Science	1 day	15 th June, 2020
Webinar on UGC-NAAC Accreditation Strategies in Institutions	National	MEC College Erumely, Kerala	1 day	16 th June, 2020
Webinar on IOT using Arduino	National	Pantech Solutions	1 day	16 th June, 2020
Quiz on Real Time Operating Systems (RTOS) with a score of 90%	National	NRI Institute of Technology	1 day	19 th June, 2020
Online FDP on " Verilog Course "	National	QSOCs Technologies, Bangalore	2 weeks	26 th June to 7 th July, 2020
Online FDP on Recent Advances in Biomedical Applications and communication Networks	National	GMR Institute of Technology, Rajam	1 week	13 th July to 18 th July, 2020
Webinar on Autonomous Vehicle Technology	National	Pantech Solutions	1 day	28 th July, 2020

Webinar on Brain Computer Interface (BCI)	National	Pantech Solutions	1 day	8 th August, 2020
Webinar on How to continue our study during COVID-19 Pandemic	National	Gautam Buddha Teachers' Training College Hazaribag, Jharkhand	1 day	9 th August, 2020
Online FDP on Block Chain and its applications	National	Ajay Kumar Garg Engineering College, Ghaziabad	1 week	10 th August to 14 th August, 2020
Webinar on Industrial IOT & AI/ML Job Opportunities	National	GVPCEW in association with Rugged board and PHYTECH Embedded Pvt. Ltd.	1 day	24 th September, 2020
Webinar on From Campus to Corporate	National	GVPCEW	1 day	17 th October, 2020
Webinar on Modern Radar Systems and their Applications	National	GVPCEW	1 day	18 th September, 2021

PUBLICATIONS	NUMBER
No. of UG students guided	08
No of PG students guided	05
No of Publications in International Journals	06
No of Publications in National Journals	---
No. of Publications In International Conferences	---
No of Publications in National Conferences	01

Professional Body Memberships	ISTE LIFE TIME MEMBERSHIP
--------------------------------------	---------------------------

PERSONAL INFORMATION:

- Date of birth** : 10-03-1990
- Languages Known** : Telugu and English
- Strengths** : Self motivating, Workaholic, Optimistic, Adaptable.
- Hobbies** : Pencil Sketching, Playing chess, Solving Puzzles.

DECLARATION: I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: Visakhapatnam, AP, India.

G. P. S. Prashanthi

(G.P.S. PRASANTHI)

Date: 09-05-2022

Signature