FACULTY PROFILE

Department: Information Science & Engineering

1. Personal Details

NAME	Dr. Rekha P M	
DEPARTMENT	Information Science & Engineering	
DESIGNATION	Associate Professor	
PHONE	+91 9845636529	
EMAIL ID	rekhapm@jssateb.ac.in	
Date of Joining (JSSATEB)	22-05-2002	

2. Experience

Total Experience in Years	Teaching: 18 Years	Industry: 1 year 8 months	Research: 10 Years

3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Electronics & Communication Engineering	1995	Bapuji Institute of Technology, P.O. Box No. 325, Shamanur Road, Davangere -570004 Karnataka, INDIA	Kuvempu University, Jnana Sahyadri, Shimoga District Karnataka, INDIA
M.Tech.	Computer Science & Engineering	2006	Allahabad Agricultural Institute SHIATS - Deemed University Naini, Allahabad – - 211 007 Uttar Pradesh, INDIA	Allahabad Agricultural Deemed University Uttar Pradesh, INDIA
Ph.D.	Faculty of Computer & Information Sciences	2019		Visveswaraya Technological University, Belgavi Karnataka

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 03	National:
Papers Published in SCOPUS indexed Journals	International: 07	National:
Papers Published in other Journals	International: 15	National:
Papers Presented in Conferences / Symposium	International:4	National: 17
PhD Guide? Give field & University	No	
PhDs / Projects Guided	Ph.D. Awarded: Guiding:	Projects at Master's Level:
Books Published / IPRs/ Patents	Published Electronic Circuits and Logic Design Laboratory Manual as per Revised VTU syllabus for III sem CSE/ISE in the year Sept 2008	
Consultancy	--	

5. Grants/ Funding Received,

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization

Patents

Sl. No.	Details	Details of award of patent

6. Awards Received

Awards	Received Second Best Paper Award for the title "Domain Specific Language -A solution to the intricacies of General-Purpose Language", at International Conference on Advanced Computing and Information Technology on 21st ,22nd March 2013, AMC Engineering college, Bengaluru.

7. a. Publications (Journals)

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	An internet of things-based smart energy meter for monitoring device-level consumption of energy	Shishir Muralidhara Niharika Hegde Rekha P M	Computer & Electrical Engineering	Vol. No.87 Issue No. pp: Year: 2020	WOS & Scopus	2.633	Elsevier
2	Health Informatics as a Service	Rekha P M Dr. M Dakshayini	Trends in Cloud-based IoT	Chapter number: 10 January 2020	Scopus	--	Springer Cham
3	Efficient task allocation approach using genetic algorithm	Rekha P M Dr. M Dakshayini	Cluster Computing-The Journal of Networks,	Vol. No.22 Issue No.1 pp: 1241–1251 Year: 2019	WOS & Scopus	2.733	Springer

SI No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
	for cloud environment		Software Tools and Applications				
4	A Novel Approach for Monitoring Resources in Virtual Environment	Rekha P M Dr. M Dakshayini	International Journal of Control Theory and Applications	Vol. No. 9 Issue No.21 pp:147-153 Year: 2016	Scopus	1.16	International Science Press
5	A Study of Software Defined Networking with Open Flow 10.5120	Rekha P M Dr. M Dakshayini	International Journal of Computer Applications Publisher:	Vol. No. 122 Issue No.5 pp:5-12 Year: 2015	--	0.752	Foundation of Computer Science
6	Service Broker Routing policies in Cloud Environment: A survey	Rekha P M Dr. M Dakshayini	International Journal of Advances in Engineering & Technology	Vol. No.6 Issue No.6 pp: 2717-2723 Year:2014	--	1.56	IJAET

a. **Publications (Conferences)**

SI. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Analysis of Deep Learning Algorithms for Breast Cancer Diagnosis on WBC	Prachi Jain, Syeda Zoya Kulsum, Rohan, Srivastava, Aryan Singh Dr. Rekha P M	International Journal of Engineering Research & Technology (IJERT)	Vol. No.8 Issue No.15 pp: 1-7 Year: Sept 2020	--	7.87	ESRSA
2	Study of Different Approaches to Develop an Automatic Traffic Rule Violation Detection System	Dr. Rekha P M Likitha G Nishant Kumar Alisha Sharma	International Journal of Engineering Research & Technology (IJERT)	Vol. No.8 Issue No.15 pp: 8-11 Year: Sept 2020	--	7.87	ESRSA
3	IoT in the Face of COVID - 19	Suhasi P M Khadija Fatima Dr. Nagamani N Purohit Dr. Rekha P M	International Journal of Engineering Research & Technology (IJERT)	Vol. No.8 Issue No.15 pp: 125-129 Year: Sept 2020	--	7.87	ESRSA
2	Dynamic Cost-Load Aware Service Broker Load Balancing in Virtualization Environment	Rekha P M Dr. M Dakshayini	International Conference on Computational Intelligence and Data Science	Vol. No.132 Issue No. pp: 744-751 Year: April 2018	Scopus	0.73	Elsevier
3	Dynamic Network Configuration and Virtual Management Protocol for Open Switch in Cloud Environment	Rekha P M Dr. M Dakshayini	IEEE International on Advance Computing Conference (IACC-2015)	pp :143-148 Year: 2015	WoS Scopus	--	IEEE
4	Cost based Data center selection policy for large scale networks	Rekha P M Dr. M Dakshayini	International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC)	pp:18-23 Year:2014	Scopus	--	IEEE

No	Title	Authors	Journal/Proceedings	Volume/Issue/Year			
5	Omurt [On-Road Management Using RFID and IOT] Systems for City Traffic Control. Systemized Sophistications for Generating Smarter Cities	Spoorthi Kulkarni Rekha P M	Proceedings of "Magic of Bits & Bytes – Drives the World" Regional Student Convention Computer Society of India Region V	February 2020	---	---	---
6	A Secure Wireless Healthcare System using IoT	B P Oohala, Meghana Hathwar T V, Sri Sampath Valluri Dr.Rekha P M	Journal of Network Security Computer Networks	Vol.No.6 Issue No.1 Year:2020	---	1.08	
7	Diagnosis of Breast Cancer using Machine Learning Algorithms	Divya D, Amudhasurabhi A Rekha P M	Journal of Image Processing and Artificial Intelligence	Vol. No. 5 Issue No. 3 pp. 23-29 Year :2019	---	---	MAT Journals
8	An IoT Based Solution for People Suffering with Dementia	Parthjeet, Piyush Kumar Rekha P M	Journal of Data Mining and Management	Vol.No.: 3 Issue No.: 2 Year: 2018	---	---	MAT JOURNALS
9	Intelligent Traffic Lights: An IOT approach	Yashas Y, Sowmya N S Rekha P M	International Journal of Advanced Research in Computer and Communication Engineering (NCAIT-2017)	Vol.No.: 6 Issue: 5 pp. 1-3 Year: May 2017	---	5.947	Tejass
10	Cybercrime security and prevention	Prasanna Kumar, Prem Vikas Rekha P M	International Advanced Research Journal in Science, Engineering and Technology (NCAIT-2017)	Vol. No.: 4 Issue: 8 Year: 2017 pp. 29-32	---	4.821	IARJSET
11	A Comparative Study of 64-Bit Microprocessors Apple, Intel and AMD DOI Prefix: 10.17577	Surakshita, Shifa ameen Rekha P M	International Journal of Engineering Research & Technology	Vol. No: 4 Issue No.: 22 pp. 289-295 Year:2016	---	5.011	International Research Publication House
12	Wireless intelligent Billing Trolley for shopping Malls using ZigBee and RFID	Akash S.N Preetham havan Manjunath C S	Proceedings of NCAIT-2015	Year:2015	---	---	---
13	Hybrid Encryption Schemes for Security Enhancement in Cloud Computing	Jeevitha J.S Darshini A.S Rekha P M	Proceedings of NCAIT-2015	Year:2015	---	---	---
14	Security Mechanisms in Software as a Service	Pavan C.T Akash N.G Punith B.M Rekha P M	Proceedings of NCAIT-2015	Year:2015	---	---	---

15	Encryption schemes for data storage in cloud: A survey	Kusuma A Apoorva G Sneha Raghavan Rekha P M	International Journal of Engineering Research & Technology	Vol. No.: 2 Issue:13 pp. No.: 85-88 Year: 2014	---	1.76	ESRSA
16	Survey on secure protocol for data storage in cloud computing	Preethi Rekha P M	International Journal of Engineering Research & Technology	Vol.No: 2 Issue: 13 pp.89-92 Year: 2014	---	1.76	ESRSA
17	Digital Forensics for Large Networks: A Study	Aakash S. N. Chethan Kumar N.P. Rekha P M	International Journal of Engineering Research & Technology	Vol.No: 2 Issue: 13 Year: 2014	---	1.76	ESRSA

b. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	E-Learning Using LMS tools	Dept of ISE, SKIT Bengaluru	3 Sept 2020
2	Android development with Kotlin	VTU, Belgavi, Karnataka	10th to 12th Aug 2020
3	Virtual Labs	Sri Venkateshwara College of Engineering, Bengaluru	2 June 2020
4	FDP on Artificial Intelligence	Dept of CSE, Alva's Institute of Engineering Technology	22 to 26th May 2020
5	Satellite and Automation	GSSSIETW, Mysore	11 to 13th May 2020
6	Strategy for Enhancing Article Citation and H-Index	Department of Mechanical Engineering, ACS College of Engineering, Bengaluru.	11th May 2020
7	Art of Writing Scientific Report	Department of Electronic and Instrumentation, Velammal Engineering College, Chennai	14 to 15th May 2020
8	FDP on contemporary tools and techniques for Teachers and Researchers in Higher Education: experience of using virtual classrooms	Cambridge Institute of Technology, Bengaluru	9th May 2020
9	Webinar on A Developer Introduction to ReactJS	Department of Computer Science and Engineering, SJB Institute of Technology, Bengaluru	23rd May 2020
10	FDP on Emerging trends in Computer Science & Engineering	Dept. of CSE, Dayanand Sagar University, Bengaluru	10th to 4th June 2020
11	FDP on NBA & NAAC accreditation Process	IQAC, M S Ramaiah Institute of Technology Under AICTE	4th to 8th June 2020
12	FDP on Python Programming	Dept. of CSE, Government college for women, Kolar	5 to 11th June 2020
13	Search Engine optimization Techniques	Dept. of MCA, RNSIT, Bengaluru	13th June 2020
14	Role and Importance of Preincubates and Incubators in Higher Education Institutions" AND "Design Thinking and Innovation	Government Engineering College, Ramanagara	17 to 19 June 2020
15	Web series on Devops tools	Reva University, Bengaluru	19th to 22nd June 2019
16	Two days FDP on Data Science & Statistics	Organized by SJBIT, Bengaluru,	24th ,26th Jan 2019
17	National Conference on combat depression	Organized by JSS Medical college and Hospital, Mysuru	22 to 23 oct 2018
18	Two days National Symposium on Data Science & Statistics-Trends and Challenges	JSSATE Bengaluru	4th, 5th July 2018
19	Five days FDP on data science & communication network	BMS College of Engineering, Bengaluru	2nd to 6th Jan 2018

20	one-week FDP on OOP with java for DAA lab & ARM microcontroller Programming	Jyothy Institute of Technology, Bengaluru from	16th to 21st Jan 2017
21	National Workshop on Accreditation Process for Technical Institutions	JSSATE Bengaluru	26th to 27st Aug 2016
21	IBM Bluemix	VTU with IBM academic initiative VTU regional Office, Bengaluru	6 Dec 2015
22	Workshop on Android application development	JSSATE, Department of ISE, Bengaluru	3 Nov 2015
23	Plagiarism awareness for PhD thesis writing	VTU at SJBIT, Bengaluru	25th July 2015
24	Two-day National seminar & tutorial on Software defined networking	CDAC at Trivandrum	10th,11th Jan 2015
25	Workshop on Quality enhancement of engineering education through NPTEL	JSSATE, Dept. of computer science & Information Science engineering	7th August 2013
26	Three-day workshop on Research Methodologies & Latex	Ghousia college of engineering by VTU e-learning center, Ramanagara,	27th to 29th July 2013
27	One day FDP on cloud computing	TCS in association with BMS College of Engineering, Bengaluru	7th March 2013
28	Three-day workshop on Joy of Teaching computer Networks	PESIT, Bengaluru,	28 to 30 June 2012
29	One day workshop on Cloud computing	BMS College of Engineering, Bengaluru,	28th Dec 2011
30	Three-day FDP on Cyber Forensics	JSSATEB, Bengaluru,	25 to 27th AUG 2011
31	Seven-day Workshop on Applied Embedded system design	JSSATE, Dept. of Electronics & Communication	3rd, 7th August 2009
32	Syllabus Review	Conducted by VTU, at MSRIT, Bengaluru	9th October 2007
33	Three-day Workshop on Essential of functional testing with Rational Robot	Conducted by IBM on at RVCE, Bengaluru	26th,28th June 2006
34	Vykthi vikas kendra	JSSATE at Sivratheswara Kendra, Bengaluru	27,28th May 2005
35	Five-day Workshop on INTEL curriculum development on advance microprocessor	Conducted by INTEL at IITB, Bengaluru	23rd to 27th September 2002

c. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	FDP on Microcontroller & Embedded systems	Dept. of ISE, JSSATE, Bengaluru	27thto 29th Jan 2020	Coordinator & Speaker
2	SDP on Angular Bootcamp	Srinath Waramballi, M/s Tantragnana, Bengaluru	20th, 21st Sept 2019	Coordinator
3	Technical talk on Cloud 101 and JAVA	Mr.Varun, Mr.Syed, M/s Zysk technologies, Bengaluru	25th Sep 2018	Coordinator
4	Technical talk on Software Engineering Practices	Ms. Anitha P.C, Consultant, Corp trainer, Agile practitioner, M/s Zinemind Technologies, Bengaluru	1st Mar 2019	Coordinator
5	Technical talk on Connecting vehicles through Controllers	Manjunath T.M, Senior Architect, M/s Robert Bosch, Bengaluru	13th Apr 2019	Coordinator
6	Seminar on Overview on VLSI opportunities & trends	S N Kamath, M/s Kanada Technologies, Bengaluru	20th Aug 2017	Coordinator
7	One Day Hands on workshop on Embedded C	Mr. Shashank, Embedded Engineer i3indyaTechnologies, Delhi	21st April 2017	Coordinator
8	Two Day SDP on Web Application Development using Node JS	Pavan Kumar HPE, Bengaluru	19th,20th Feb 2016	Coordinator
9	State Level Two Day SDP on IoT	Fazal Mahfooz Robotics Engineer Sunny Bhardwaj, Hardware Engineer i3indya Technologies association with Techfest IIT Bombay	26th,27th Sept 2016	Coordinator
10	Technical talk on, Wireless sensor Networks	Dr. Guruprasad H G Professor & Head	5th September 2013	Coordinator

		Dept. of ISE BMS college of Engineering, Bengaluru		

d. **Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)**

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	**TEQIP** -II sponsored, Five-day Workshop on Cloud computing & virtualization	Dept. of Computer science & Engg, RIT sakharale, Maharashtra	20 to 24 June -2014
2	AICTE sponsored Fifteen-day FDP on Advances in cloud computing	Dept. of ISE, Acharya institute of Technology Bengaluru	1st to 14th July 2013

8. **Membership of Professional Bodies:**

1.	**Life Membership in Indian Society for Technical Education (MISTE)**
2.	International Association of Engineers (IAENG)
3.	**Institute of Research Engineers and Doctors (IRED)**

9. **Any other information you will like to share about your professional experience**

- Invited talk on "Smart IoT " for V ,VII sem students at Department of computer Science & Engineering,
- Delivered two modules Lecture on "Analog & Digital Electronics" III sem CSE/ISE in VTU - EDUSAT Programme -21 in the month of SEPT-OCT 2016.
- Delivered Hands on session on "cloud simulator" for MTech students on   6th FEB, 2015 at Department of Information Science & Engineering, BMS college of Engineering, Bengaluru.