

Dr. JAGADEESHA. R

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FACULTY PROFILE

1. Name : Dr. Jagadeesha.R
2. Date of Birth : 16-04-1982
3. Highest Qualifications : B.E., Mtech(CNE), Ph.D.
4. Academic Performance :

(High School to Highest Qualifications)				
Qualifications	Board / IIT / University	Institute and place where studied	Year of passing	Class & % marks
SSLC		S.B.R.H.S, Arsikere.	1998	62
PUC / 10+2		Kalpataru Science college , Tiptur.	2001	58
UG Degree	VTU	Kalpataru Institute Of Technology, Tiptur.	2008	56
PG Degree	VTU	A.M.C.E.C, Bangalore	2011	78
Ph. D.	VTU	VTU-RRC, MYSORE	2022	

5. Date of Joining : 26-11-2011
6. Status as on date of Joining : Lecturer
7. Salary as on date of Joining : 21888=00
8. Present Status : Associate Professor
9. Salary as on date : 53800

10. Number of promotions : 02

OBJECTIVE

- To obtain a challenging and demanding job in Educational Institution that will further enhance my knowledge and skills, being a part of a highly motivated team and achieving a challenging position using the knowledge gained till now.
- To seek a challenging career in an Institution having the environment that encourages continuous learning and provides exposure of new technologies, achieving professional and personal growth in the field of Computer Science.

EDUCATIONAL PROFILE

Degree/ Course	Branch	Institute	University	Year of passing
Ph.D	Computer & Information Science	V.T.U- RRC	V.T.U	2022
M.Tech.	Computer network and engineering	A.M.C. Engineering college, Bangalore	V.T.U	2011
B.E	Computer science and engineering	Kalpataru institute of technology, Tiptur	V.T.U	2008

PROFESSIONAL EXPERIENCE

- Currently working as a Associate Professor in Kalpataru Institute of Technology, Tiptur, since 08 Apr 2022 to till date.
- Worked as a Assistant Professor in Kalpataru Institute of Technology, Tiptur, since Sept 2014 to 7 Apr 2022.
- Worked as a lecturer in Kalpataru Institute of Technology, Tiptur, since Dec 2011 to Aug 2014.
- One year of experience in C Protocol Development as an intern in Global Edge Software Ltd, Bangalore from October 2010 to October 2011.
- One year of experience as developer in Afttech Technologies, Bangalore from August 2008 to July 2009.

TECHNICAL SKILLS

- Language : C, Java.
- Area of interest : Networks (IP-Security), Web technologies.
- Tools : GDB, MAKE, INSIGHT, VALGRIND.
- Operating Systems : Linux, Windows, Android.
- Subjects Known : Computer Networks, UNIX, Data Structures, Web Technologies.

RESEARCH SKILLS

- Strong knowledge in IP-sec & Kerberos Sensor Networks.
- Knowledge of UNIX Network Programming.
- Real-time experience in Linux Programming.
- Strong knowledge and real time experience in web applications design and development (worked as Website administrator and coordinator in the KIT).
- Strong knowledge in domain hosting and server space management.

PROFESSIONAL MEMBERSHIP

- International Association of Engineers (IAENG) IAENG membership number is: 286997.
- Institute of research engineers and doctors (IRED) Membership Info: Number SNM2021059912

RESEARCH PAPERS

- Jagadeesha R, Vani V G “**An Effective method to detect cyber attacks in hospital management system**” Applied and communicated with *International Journal of Engineering Research and Technology*. (*Scopus*).
- Jagadeesha, R., Thippeswamy, K. “**Energy-efficient mobile node in multicast batch verification**”. SN COMPUT. SCI. 1, 110 (2020). <https://doi.org/10.1007/s42979-020-0111-z>

- Jagadeesha R , Thippeswamy K. (2020). “**JITTER OPTIMIZATION WITH MOBILE NODE BATCH VERIFICATION**”. *International Journal of Advanced Science and Technology (Scopus)*, 29(06), 8718-8729.
- Jagadeesha R , Thippeswamy K. “**Duplicate packet detection in the multicast network using efficient packet sequencing approach at mobile receiver**”, *International Journal of Emerging Trends in Engineering Research. (Scopus)* ISSN:2347-3983 Volume 08, no.09, September 2020 <https://doi.org/10.30534/ijeter/2020/220892020>
- Jagadeesha R , Thippeswamy K. “**Efficient Identity-Based Batch Signature Scheme to Reduce Energy Consumption at Mobile Receivers**“ *International Journal of Engineering Research and Technology. (Scopus)*, ISSN 0974-3154, Volume 13, Number 12 (2020), pp. 4701-4705.
- Jagadeesha R, Shruthi S V “**keyword based data Indexing and receiving Protected Cloud environment**” *International Journal of Engineering Research & Technology (IJERT)* (*Scopus*) - Volume 4, Issue 22, 2016.
- Mrs. Rashmi KR., Mr. Jagadeesha R “**A novel data aggregation approach in wsn for energy conservation with delay constrained**” *International journal of scientific research in engineering & technology (IJSRET)* Volume 4 Issue 4, April 2015 ISSN 2278-0882.
- Shivkumar A P, Jagadeesha R “**An efficient and reliable data routing for In-network Aggregation in wireless sensor network**”. ” *International Journal of emerging technologies and engineering (IJETE)* ISSN 2348-8050 Volume 2 ISSUE 4, April 2015.

PROJECT DETAILS

M.Tech Project :- (Internship)

Title : Implementation of IKEV2 Protocol
Duration : 1year
Language : C
Organisation : Global Edge Software Ltd

Description: IKEv2 protocol is a component IP-Sec, used to perform mutual authentication between 2 peers and establishes an IKEv2 SA's (security association) which includes shared secret information that can be used establish SA's for ESP and AH. Before establishing SA's each system creates policy for transport and tunnel mode with destination IP and writes into their kernel database that is SPD. IKEv2 is implemented as daemon and coupled with any application irrespective of their architecture (Example VPN).

Role:

- Studied the RFC 5996, designed the system .
- Involved in programming different modules with the Senior Programmers.
- Integrated different modules into a single working protocol.
- Created certificates of X509 using openssl library
- Successfully ported the implemented protocol to test application.

Ph.D Work:

Title: Design an effective multicast authentication scheme for mobile receivers through energy conservation technique.

Duration: 2015-2021

USN: 5VY15PEJ67

Description: Achieving energy efficiency, QoS and authentication in mobile devices is challenging, as they don't have the capability of Desktop and Laptops. I have carried out the research work for providing solutions to these challenges by using efficient methodologies and existing algorithms. Jitter optimization, Duplicate packet detection and removal at the mobile receiver are carried out before signature verification in multicast network. Authenticity is achieved by batch RSA signature and identity based Signature schemes.

ADMINISTRATIVE EXPERIENCE

University/Department	Position Held	Period	
		From	To
KIT/VTU	Admission Coordinator	Feb 2012	Till Date
KIT/VTU	Website Coordinator	July 2013	August 2017
MCE/VTU	BoE for Scrutiny of SEE papers of Odd Semester (CS&E Board)	18 Dec 2020	
KIT/VTU	Coordinator for FDP "Advances in Artificial Intelligence & Agent Technology	06 March 2015	

WORKSHOP/CONFERENCE/WEBINAR ATTENDED

Workshop /FDP/Webinar	College/Place	Date
Two-Days Extension Lecture Program in Mathematics	KIT TIPTUR	15-02-2018 To 16-02-2018
Web Technology and it's Applications	RNSIT BANGALORE	23-07-2018 & 24-07-2018
“New model curriculum for first year BE/B.Tech-CBCS Detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including Course Outcomes (CO) and Bloom’s Taxonomy” under TEQIP-1.3	BNMIT BANGALORE	06-08-2018
Artificial Intelligence, Machine Learning & Soft Computing	KIT TIPTUR	28-03-2019
Learning Effective Document Writing Using Latex	KIT TIPTUR	15-04-2019
One day symposium on Energy Efficiency Challenges for High Performance Computing System	C-DAC Bangalore	17-05-2019
Artificial Intelligence, Machine learning and soft computing	KIT, Tiptur	19-05-2019
Strategy for Enhancing Article Citation and H-Index	ACS College of Engineering BANGALORE	11-05-2020
DevOps Tools	Reva University Bengaluru	19-06-2020 to 22-06-2020
Big data and Machine learning using r/sparklyr	CMR Institute of Technology, Bengaluru	22-06-2020 to 27-06-2020
Internet of Things Value Chain	DBIT, Bengaluru	30-06-2020
Applied Cryptography for IoT	Dr.Ambedkar Institute of Technology, Bengaluru	27-06-2020.
Internet of Things value chain	DBIT, Bengaluru	30-06-2020
Natural Language Processing	Reva university, Bengaluru	30-06-2020 To 04-07-2020
Artificial intelligence - opportunities and challenges	Dr. Ambedkar Institute of Technology, Bengaluru	03/07/2020
Teaching & Learning Process, Course Outcomes and Program Outcomes	GMIT, Davanagere	04/07/2020
Modren trends in IOT	Reva university, Bengaluru	06-07-2020 To 10-07-2020
Deep learning based video analytics for surveillance iot applications	GSSSIETW, Mysuru	13-07-2020
Agile methodology	Reva university, Bengaluru	14-07-2020 to 18-07-2020

Industry webinar	IEEE Bengaluru,Section	25-07-2020 To 26-07-2020
Applied cryptography for IOT	Dr. AIT, Bemgaluru	27-06-2020
Few Suggestion to write Research proposal for Funding”, organized by RIC	EWCE, Bengaluru	01-08-2020.
Mathematics for Engineering	VVCE Mysuru	07-8-2020
Introduction to IPR	Presidency University Bengaluru	12-08-2020
Python and mobile application development AICTE sponsored six days STTP	HKBK Bangalore	03-09-2020 to 08-09-2020
AICTE Training And Learning (ATAL) Academy Online FDP on "Strategy"	JNN College of Engineering, Shimoga	21-09-2020 to 25-09-2020
AICTE Training And Learning (ATAL) Academy Online FDP on “Block chain”	MCE, Hassan	03-11-2020 to 07-11-2020
AICTE Training And Learning (ATAL) Academy Online FDP on “Cyber Security”	GITAM, BENGALURU	14-12-2020 to 18-12-2020
AICTE Training And Learning (ATAL) Academy Online FDP on “Internet of things (IOT)”	KONGU ENGINEERING COLLEGE.	21-12-2020 to 25-12-2020
Explainable Artificial Intelligence and Machine Learning for Solving Learning Problems Using Python and Tensorflow	Sreenivasa Institute of Technology and Management Studies, Chittoor	08-02-2021 to 13-02-2021
“Demystifying the Cognitive IoT”	Jain (Deemed -to-be- University) , Bengaluru	27-03-2021
“Conference Organizers Workshop” organized by IEEE Bangalore Section,	IEEE Mysore Subsection and IEEE Mangalore	16-05-2021
Research Trends and challenges in data security	Presidency University Bengaluru	19-06-2021
AICTE Training And Learning (ATAL) Academy Online FDP on "Practical insight into key concepts of Blockchain"	Ramaiah Institute of Technology.	2021-07-12 to 2021-07-16
AICTE Training And Learning (ATAL) Academy Online FDP on "5G TECHNOLOGY"	BMS College of Engineering	23-08-2021 to 27-08-2021
“Design Thinking” AICTE sponsored six days STTP	VTU e-learning center, Mysuru.	07-03-2022 to 12-03-2022

Signature

(Dr. Jagadeesha.R)