Dr. Sunil Kumar Jangir

I. RESUME SUMMARY

CONTACT INFORMATION

Ward no.8 new, Near Trimurti Mandir, Suratgarh,Distt. Sri Ganganagar
(M):09602538312, 09251039749   Email: sunil.jangir07@gmail.com
Google Scholar : https://bit.ly/2HrDZaf   GitHub: https://github.com/suniljangir
Website: drsuniljangir.in

EDUCATIONAL QUALIFICATION

Degree	Subjects	Board / University	School/Institute	Year	Percentage
Ph.D.	Computer Science & Engineering	JECRC University, Jaipur	School of Engineering	2014 - 2018	Awarded in 2018
M.Tech.	Software Engineering	Suresh Gyan Vihar University, Jaipur	Gyan Vihar School of Engineering & Technology, Jaipur	2010 - 2012	8.9 CGPA (Gold Medalist)
B.E.	Information Technology	University of Rajasthan, Jaipur	Jaipur Engineering College, Kukas, Jaipur	2005 - 2009	72.63% HONS.
XII	PCM	Board of Sec. Education,Rajasthan	T.C.A. Sr. Sec. School,Suratgarh	2005	70.63%
X	General Subjects	Board of Sec. Education,Rajasthan	T.C.A. Sr. Sec. School,Suratgarh	2003	85%

PROFESSIONAL EXPERIENCE

Duration	Institute / Organization	Designation	Job Profile
June 2019-Till	MODY University of Science & Technology,	Assistant Professor (Senior)	Involve in study material development & research.
Nov 2009 – June 2019	Jaipur Engineering College & Research Centre, Jaipur	Associate Professor, Head- Department of Information Technology	Involve in Research, Innovation in Active Teaching learning, Incubation ,ACM,CSI-Student Branch Coordinator
July 2009 – Oct. 2009	RMG,Info Service,Gurgaon	Software Trainee	Developer (Asp.Net,C#)

PUBLICATIONS

International Journal	National Journal	International Conferences	National Conferences
06	Nil	17	08

Conferences /Workshops/International Certification Training Programs Attended/Organized

Conference /Workshops Attended		International Certification Training Programs	
International	National	Attended	Organized
6	10	5	8

II. DETAILED RESUME

PROFESSIONAL TRAITS

An Energetic, dedicated person with good communication and leadership qualities to motivate people to achieve organizational objectives.

PROFESSIONAL SYNOPSIS

Total Experience: 10Yrs 8 Months

Academic Experience: 10Yrs & 04 Months. (Nov. 2009 – Till Date)

MODY University of Science & Technology: (June 2019 – Till Date)
Full time faculty in the Department of Computer Science & Engineering (Accredited by ABET), School of Engineering & Technology, Mody University of Science & Technology, Lakshmangarh, Dist. Sikar Rajasthan – India, Affiliated to UGC and approved by AICTE, New Delhi.

Jaipur Engineering College & Research Centre: (Nov. 2009 – June 2014)
Full time faculty in the Department of Information Technology, Jaipur Engineering College & Research Centre, Jaipur, Rajasthan – India, Affiliated to Rajasthan Technical University and approved by AICTE, New Delhi.

Industrial Experience: 04 Months
Software Trainee (july2009 –Oct.2009)
 Project titile: "Gurgaon On call"
 A search engine developed for Gurgaon which provides e-media solutions to the users and
 Business Associates at RMG Info Services Pvt. Ltd., Gurgaon.

PUBLICATIONS

International Journal:

- Sunil Kumar Jangir,Naveen Hemrajani , " **A Comprehensive Review and performance evaluation of detection Techniques of Black hole Attack in MANET** " , Published in Journal of Computer Science (JCS) 13 (10): 537.547 , DOI: 10.3844/jcssp.2017.537.547
- Sunil Kumar Jangir, Naveen Hemrajani, "**Collusion BW Hole Attack"** Published in "International Journal of Advanced Research in Computer Science" Volume 8, No. 9, November-December 2017, ISSN No : : 0976-5697 , DOI: http://dx.doi.org/10.26483/ijarcs.v8i9.5054
- Sunil Kumar Jangir, Naveen Hemrajani, "**A Comprehensive Review and Performance Evaluation of Reactive and Proactive Protocols under Routing Attacks in MANET"** Published in "International Journal of Emerging Technology and Advanced Engineering" Volume 7, Issue 10, October 2017, ISSN No : : 2250–2459
- Sunil Kumar Jangir, Neha Gupta, Shreya Agrawal, "**Evolution and Melioration Of Software Management Processes"** Published in "International Journal of Software Engineering and Applications(**IJSEA**)" Vol.3, No.1, January 2012, Page No. 61-83, ISSN No : : 0975 - 9018(Online); 0976-2221 (Print).
- Sunil Kumar Jangir , Naveen Hemrajani , "**Survey of Security Threats and Counter Measures in Mobile Ad-Hoc Networks**" Published in Volume 6, Issue12, December 2015 Edition. in International Journal of Scientific and Engineering Research IJSER .

International Conference:

- Sunil kumar Jangir[1], Naveen Hemrajani[2]. "**Investigation of MANET Routing Protocols via Quantitative Metrics**" Proceedings of ISDB-ACM-WIR 2018 by Springer**.**
- Sunil kumar Jangir, Naveen Hemrajani, "**A Detection Technique for Overhead Minimization in Tunneling Attack**" Proceedings of International Conference on Recent Advancement on Computer and Communication by Springer Nature Singapore 2018,pp. 655-644, ISBN 978-981-10-8198-9 , 2017.
- Sunil kumar Jangir[1] ,Naveen Hemrajani[2], **"Multimedia Traffic over MANETs: Evaluation and Performance Analysis" Fourth International Conference on Networks & Communications (NETCOM-2012)** held in Chennai, India on December 22 - 24, 2012 published by Springer in Lecture Notes in Electrical Engineering (LNEE) series**.**
- Sunil Kumar Jangir[1], Ritu Gupta[2], Chandra Prakash Sharma[3], Ruchi Dave[4] **"Estimating Cost Benefit by Improving Software through Re-Engineering"** Published in proceeding for RTCMC-2012 by OITM, Hisar. SPONSORED by AICTE. ISBN No. 978-81-923446-0-7, Volume-1 ,Page no.224. Date on 25-26th Feb. 2012.
- Sunil kumar Jangir[1] ,Naveen Hemrajani[2], "**A Comprehensive Review on Detection of Wormhole Attack in MANET**". in IEEE ICTBIG 2016: 2016 International Conference on ICT in Business, Industry, and Government (ICTBIG) published at IEEE Xplore Digital Library on 18-19 November 2016 at Indore. ISBN: 978-1-5090-5515-9, https://doi.org/10.1109/ICTBIG.2016.7892688 , 2016
- Sunil kumar Jangir[1] ,Naveen Hemrajani[2], "**Evaluation of Black hole, Wormhole and Sybil Attacks in Mobile Ad-hoc Networks**". 2nd International Conference on Information and Communication Technology for Competitive Strategies" (ICTCS - 2016) published at ACM Digital Library on 4-5 March 2016 at Udaipur. ISBN: 978-1-4503-3962-9, https://doi.org/10.1145/2905055.2905133 , 2016.
- Anirudhi Thanvi, Raghav Sharma, Bhanvi Menghani, Manish Kumar, Sunil Kumar Jangir, " **Bitcoin Exchange Rate Price Prediction Using Machine Learning Techniques: A Review**", International Conference on Information Management and Machine Intelligence, Poornima University, Jaipur, 14,15 Dec 2019 by Springer.**.**
- Raghav Sharma, Anirudhi Thanvi, Bhanvi Menghani, Manish Kumar, Sunil Kumar Jangir, " **An Approach towards Information Retrieval through Machine Learning and its Algorithms: A Review**", FICR International Conference on Rising Threats in Expert Application and Solutions, IIS University, 17-19th Jan 2020 by Springer.**.**
- Manish Kumar, Sunil Kumar Jangir, Sudhansu Kumar Mishra, Dilip Kumar Choubey, Sumit Kumar Choubey "**Multi-Channel FLANN Adaptive Filter for Speckle & Impulse Noise Elimination from Color Doppler Ultrasound images",** 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3)" technically supported by IEEE, IEEE Conference Record No. 45789, 21-22nd Feb 2020 , Mody University of Scince & Technology, Lakshmangarh, Sikar, Rajasthan

Book chapter:

- Kanika Gautam, Sunil Kumar Jangir, Manish Kumar, Jay Shankar Sharma, "**Malaria Detection System using CONVOLUTIONAL NEURAL NETWORK ALGORITHM",** Machine learning and Deep learning in Real-Time Applications, IGI Global, March, 2020.
- Shatakshi Singh, Prachi Singhal, Kanika Gautam, Sunil Kumar Jangir, Manish Kumar, " **A Survey on Intelligence Tools for Data Analytics**", Handbook of Research on Engineering, Business, and Healthcare Application of Data Science and Analytics, IGI Global. April 2020.

National Conferences:

- Entitled **"Distributed Security Architecture for Mobile Infrastructure Based Vehicular Ad Hoc Networks"** Published in proceeding for NCRAES-2013 by SIIT, Jaipur. Dated on 23th January 2013.
- Entitled **"Strategies & Trends in Software Bugs Removal Tactics"** National Conference COMPUTATIA- 2012 by VIT, Jaipur. Dated on 28-29th January 2012.
- Entitled **"Android as Potential source of communication in Millennium Era"** Presented at National Conference association with **IEEE student branch** of PDM college of Engineering, Bhadhurgarh, Haryana. Date on 17-18th Nov 2011.
- Entitled **"Role of Business Intelligence in Enterprises a blend to Telecommunication"** Presented at National Conference Held at Amity University, Jaipur.Date on 22-23th Sep 2011.
- Entitled **"Role of Arbitrator in Authentication"** Presented at National Conference association with **IEEE MTT-S** Conference held at Sri Balaji College of engineering & technology, Jaipur.Date on 15-16th Sep 2011.
- Entitled **"Software Testing Tool for Web Interactions in Web Applications"** Published in proceeding for SDCN-2011 by Suresh Gyan Vihar University, Jaipur in association with CSI. ISBN No. 978-81-7906-273-9, Page no.194. Dated on 30-31st March 2011.

Session chaired

- Chaired a Session at *4th International Conference on Information and Communication Technology for Competitive Strategies* (ICTCS-2019) organized by the BHUPAL NOBLES UNIVERSITY, UDAIPUR, India , held on December 13th , 2019.
- Chaired a Session at *International Conference of Information Management (ICIMMI-2019)* under the scheme TEQIP-III (RTU-ATU) organized by Poornima Institute of Engineering & Technology, Jaipur on 15, December 2019.
- Chaired a Session at *1st FICR International Conference of Rising Threats in Expert Applications & Solutions,* 2020 organized by the Department of Computer Science & Information Technology at IIS (deemed to be University), Jaipur (INDIA), held on January 19th,2020.
- Chaired a Session at *5th International Conference on Advanced Machine Learning Technologies and Applications* (AMLTA-2020) was organized by the Manipal University, Jaipur, on February 13th -15th ,2020

CONFERENCES/WORKSHOPS/ TRAINING PROGRAMS ATTENDED

- Attended a 5 Days FDP on Robotic Process Automation by UI-Path at Bennett University, Noida in May 2019.
- Attended a 5 Days FDP on Entrepreneurship Skills by MNIT Jaipur in March 2019.
- Attended a 2 Days workshop on Incubator Manager Training by Nexus, Delhi in Feb 2019.
- Attended a 3 Days workshop on OBE Process by NBA,Delhi in 2018.
- Attended a 3 Days FDP Program on Deep Learning at Bennett University, Nodia in 2018.
- Attended a 5 Days FDP Program on Machine Learning & Python at SKIT,Jaipur in 2018.
- Attended a 3 Days FDP Program on LaTeX at GIT,Jaipur in 2018.
- Attended a 2 days FDP Program on MOOCs & Digital Contents Development at Anand College,Jaipur in 2018.
- Attended a 5 Days FDP Program on Advanced Wireless Networks at MNIT, Jaipur in 2014.
- Attended a 7 Days workshop on Teaching Skills Aarambh conducted by Wipro in 2012.

- Attended two day National Workshop on "Research Methodology and Scientific Writings" supported by DST at JECRC on February 28-29, 2012.
- Certified for successfully completion of a four day training program on "Object Oriented Analysis and Design using UML with essentials of Rational Software Architect" conducted by IBM from 27th to 30th September 2011.
- Attended National Workshop on "Wireless Networks: Today & Beyond" at SGVU, Jaipur sponsored by CSI on September 20, 2010.
- Attended FDP Program Conducted by TCS on Risk Management at Poornima Engineering College. Jaipur.
- Attended FDP Program Conducted by EMC^2 on Storage & Information Management system at Jaipur Engineering College & Research Center, Jaipur.
- Attended 4 day workshop on IBM RFT tool conducted by IBM at JECRC in June 2010.
- Attended 4 day workshop on IBM RAD v6.0 tool conducted by IBM at JECRC in March 2010.
- Attended 3 day workshop on IBM DB2 9 Fundamentals conducted by IBM at JECRC in February 2010.

Ph.D. Thesis

Attacks over Mobile Ad-hoc Networks: Challenges, Detection and Counter Measures
Purpose:
To develop light weight, non-cryptographic based detection methods and countermeasures against attacks in reactive routing protocols of MANETs.
Tool: ns3

M.Tech. Dissertation

QOS Provisioning for transmitting Delay Sensitive application over MANET using Call Admission Control (CAC)
Purpose:
To discover route from source to destination that will satisfy the application delay requirement with minimum overhead and perform efficient admission control.

ACHIEVEMENTS

- Entitled 55th rank in Rajasthan Board in 10th standard, for which rewarded with scholarship.
- Achieved "**BEST STUDENT"** award from **Bharat Vikas Parishad.**
- Got **"Best project award"** in 2009 in IT department (**Project: Multi-Touch Detection System**).
- Secured **I Rank** in M.Tech.(Software Engineering) II , III & IV semester Examination at **Suresh GyanVihar University,** Jaipur.

PERSONAL PROFILE

Date of Birth: Oct-09-1987
Passport no.:   **H4676408**

REFRENCES

Dr. Naveen hemrajani
Head of Department (CSE)
School of Engineering & Technology,
JECRC University, Jaipur
Email:naven_h@yahoo.com

Dr. Chaagan Choudhary
Postdoc Fellow
University of Padua
Email: chhagan.iiita@gmail.com

Dr. Garima Mathur
Head of Department (E&C)
PCE, Sitapura, Jaipur
Email: garimamathurjec@gmail.com

Place:
Date: **(Dr. Sunil Kumar Jangir)**

Responsibilities at Mody University Science & Technology (MUST): (June 2019 – Till Date)

- *Faculty In-charge Student Chapter of "**IEEE**" at MUST, in July 2019.*
- *Faculty In-charge **Co-Cubes** assessment for SET in MUST.*
- *Co-coordinator for CSI-National Student convention coding event Feb 2020.*
- *SPOC for "Cousera for Campus" April 2020.*

Responsibilities at JECRC Foundation: (Nov. 2019 – June 2019)

INITIATIVE

- *Initiated the Student Chapter of "**ACM**" at JECRC, Jaipur in Jan 2019.*
- *SPOC for **Smart India Hackathon** at JECRC, Jaipur March 2019.*
- *Convener **JECRC HACKATHON 1.0** at JECRC, Jaipur Jan 2017.*
- *Initiated **IT Hackathon** and Conducted 2 Sessions Successfully in Department of IT-JECRC August 2017-2018.*
- *Initiated **IT IDEATHON** and Conducted 2 Sessions Successfully in Department of IT-JECRC November 2017-2018..*
- *Initiated **SIP Expo** and Conducted 2 Sessions Successfully in Department of IT-JECRC September2017-2018.*
- *Initiated the Student Chapter of "**Computer Society of India**" at JECRC, Jaipuin Jan 2012.*
- *Co-SPOC for IBM Initiative Program at JECRC, Jaipur Jan 2010-2013.*

CONFERENCE CONVENER

- Convener International Conference on Information Technology & Digital Application **ICITDA-2019.**
- Convener National Conference on Information Technology & Security Application **NCITSA-2019.**
- Convener International Conference on Information Technology & Digital Application **ICITDA-2018.**

WORKSHOP/SEMINAR COORDINATED

- Organizing Team member of "**RESEARCH MEHODOLOGY AND SCIENTIFIC WRITINGS**" Supported by DST Rajasthan in February 28-29,2012 held at JECRC,Jaipur
- Faculty development Program Conducted by **TCS** on "**Cloud Computing"** in April 2011 at JECRC, Jaipur.
- Faculty development Program Conducted by **EMC^2** on "**Storage & Information Management system"** in February 2011 at JECRC, Jaipur.
- International Conference on "**Web Based Learning and Library Management** "supported by **CSIR** in January 30-31, 2011 at JECRC, Jaipur.
- Workshop on "**Open Source Technology and their Uses**" at JECRC Foundation (JECRC & UDML). in March 2010
- Workshop on "**Ajax Uses In .NET Framework**" supported by Keyprompt Technology Pvt. Ltd. Jaipur, at JECRC Foundation (JECRC & UDML). In April 2010.
- Workshop on "**TGMC 2010**" conducted by **IBM** at JECRC in December 2009.

TRAINING PROGRAMS COORDINATED

- Coordinated the training program on IBM Tools i.e. **DB2, RAD, RFT** conducted by Authorized Training Partners of IBM.
- Organized 45 days training program on ".**Net technology**" within the campus, conducted by Key prompt Technologies Pvt. Ltd. in July2010
- Organized 90 days training program on "**Networking applies with Routers and switches**" within the campus, conducted by RNS InfoTech. Pvt. Ltd. in November 2010

TRAINING AND PLACEMENT OFFICER-Departmental (DEC-2009 to OCT- 2011)

- Core Team Member for **TCS** 2011 recruitment drive, a history was created *239* got placed in TCS from **JECRC Foundation** in December 24-26, 2010.
- Core Team Member for **TCS** 2012 recruitment drive, a history was created *267* got placed in
- TCS from **JECRC Foundation** in **S**eptember 20-22, 2011.

CO-CURRICULAR ACTIVITY COORDINATOR

- Published monthly News Letter "IT-NewsLetter" from Jan 2017-Jun 2019.
- Published magazine "The-Edifier" From July 2014-June 2019.
- Core team Member of "DST WOS-A" Interviews held at JECRC from 7th-8th Feb.2012.
- Core team member of "i-Weekend 2012", an International level technical fest held at JECRC From 3th-5thFeb. 2012.
- Organized 5 day tour for students of I.T. Department at Rishikesh, Mussoorie from 12th -16th Oct'2010
- Core team member of "Renaissance 2010-till", a national level technical cum cultural fest held at JECRC every year.
- Core team member of Anti Ragging team of JECRC foundation.
- Core team member of RPET Counseling in year 2012,2013.
- Editor Member of The Edifier Departmental Magazine from January 2012.

Place:

Date: **(Dr. Sunil Kumar Jangir)**