

## 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>

#### 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
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	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	10	08

## Conferences /Workshops/International Certification Training Programs Attended/Organized

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

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## 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**

**Academic Experience: 09Yrs & 08 Months. (Nov. 2009 – Till Date)**

#### **MODY University of Science & Technology:**

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:**

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 title: “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 .

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### International Conference:

- Sunil kumar Jangir<sup>1</sup>, Naveen Hemrajani<sup>2</sup>. “**Investigation of MANET Routing Protocols via Quantitative Metrics**” Proceedings of ISDB-ACM-WIR 2018 by Springer , *Ahead of Print*.
- 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 Jangir<sup>1</sup> ,Naveen Hemrajani<sup>2</sup>, “**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 (**Confirmed**).

Sunil Kumar Jangir<sup>1</sup>, Ritu Gupta<sup>2</sup>, Chandra Prakash Sharma<sup>3</sup>, Ruchi Dave<sup>4</sup> “**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 25-26<sup>th</sup> Feb. 2012.

Sunil Jangir<sup>1</sup> ,Naveen Hemrajani<sup>2</sup>, “**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 Jangir<sup>1</sup> ,Naveen Hemrajani<sup>2</sup>, “**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

### 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 23<sup>th</sup> January 2013.
- Entitled “**Strategies & Trends in Software Bugs Removal Tactics**” National Conference COMPUTATIA- 2012 by VIT, Jaipur. Dated on 28-29<sup>th</sup> 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, Bhadurgarh, Haryana. Date on 17-18<sup>th</sup> Nov 2011.
- Entitled “**Role of Business Intelligence in Enterprises a blend to Telecommunication**” Presented at National Conference Held at Amity University, Jaipur. Date on 22-23<sup>th</sup> 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 15-16<sup>th</sup> 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 30-31<sup>st</sup> March 2011.

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## 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 27<sup>th</sup> to 30<sup>th</sup> 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<sup>2</sup> 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.
- Attended workshop on Virtual Labs at IIT Delhi, conducted by MHRD. January 2010.

## M.TECH. DISSERTATION WORK

### **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.

**Tool:** QualnetV.5

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## 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**

## REFERENCES

### **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.iita@gmail.com

**Dr. Garima Mathur**

Head of Department (E&C)

PCE, Sitapura, Jaipur

Email: garimamathurjec@gmail.com

**Place:**

**Date:**

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#### **Role & Responsibilities at JECRC Foundation :**

##### **INITIATIVE**

- *Initiated the Student Chapter of “ACM” at JECRC, Jaipur in Jan 2019.*
- *Initiated the Student Chapter of “Computer Society of India” at JECRC, Jaipur in Jan 2012.*
- *Co-SPOC for IBM Initiative Program at JECRC, Jaipur.*
- *Convener JECRC HACKATHON 1.0 at JECRC, Jaipur Jan 2017.*
- *Initiated IT Hackathon and Conducted 3 Sessions Successfully in Department of IT-JECRC.*
- *Initiated IT IDEATHON and Conducted 3 Sessions Successfully in Department of IT-JECRC.*
- *Initiated SIP Expo and Conducted 3 Sessions Successfully in Department of IT-JECRC.*

##### **WORKSHOP/SEMINAR/CONFERENCE COORDINATED**

- Convener International Conference on Information Technology & Digital Application **ICITDA-2018**.
- 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 on “**Teaching Engineering Using MATLAB & SIMULINK**”
- Supported by **IUCEE**, US and India in July 05 – 07, 2011 at JECRC, Jaipur.
- Faculty development Program Conducted by **TCS** on “**Cloud Computing**” in April 2011 at JECRC, Jaipur.
- Faculty development Program Conducted by **EMC<sup>2</sup>** 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 September 20-22, 2011.

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## **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 7<sup>th</sup>-8<sup>th</sup> Feb.2012.
- Core team member of “i-Weekend 2012”, an International level technical fest held at JECRC From 3<sup>th</sup>-5<sup>th</sup>Feb. 2012.

- Organized 5 day tour for students of I.T. Department at Rishikesh, Mussoorie from 12<sup>th</sup> -16<sup>th</sup> 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)**