Shivaji College Faculty Details Proforma

Title	Mr.	First Name	Krishan Kant Singh	Last Name	Gautam	Photograph

Designation	**Assistant Professor**
Address	Department of Computer Science Shivaji College, University of Delhi Ring Road , Raja Garden New Delhi- 110027.
Office Phone No.	
Residence	**011-22611081**
Mobile	**9013270573,9013270579**
Email	**dr.kksgautam@gmail.com, kksgautam@shivaji.du.ac.in**
Web-Page	
Educational Qualifications	**Ph.D(P), M.Tech(CSE), MCA**

Degree	University/Institute	Year
Ph.D. (Pursuing)	**Department of Computer Science, Jamia Millia Islamia (A Central University)**	
M.Tech(CSE)	**USIT, GGSIPU, Delhi**	**2008**
MCA	**IMR, Ghaziabad, UPTU Lucknow**	**2005**
Graduation	**Zakir Hussain College(Day), University of Delhi**	**2002**
Any Other Qualification	**UGC-NET (2012)** **GATE (2005 and 2006)**	

Career Profile

1. Since July 25, 2014: Assistant Professor (Adhoc), Department of Computer Science, Shivaji College (University of Delhi), Raja Garden Delhi.
2. January 09, 2013 to July 24, 2014: Assistant Professor (Adhoc), Department of Computer Science, Rajdhani College (University of Delhi), Raja Garden Delhi.
3. Aug 03, 2010 to Jan 8, 2013: Assistant Professor Department of Computer Science and Engineering HMR Institute of Technology & Management is an established self-financed Engineering College affiliated to **Guru Gobind Singh Indraprastha University, Delhi,** Hamidpur, Delhi-110036.

4. Aug 04, 2008 to July 31, 2010: **Sr. Lecturer,** Department of Computer Science & Engineering, H.R. Institute of Technology is an established self-financed Engineering College affiliated to **UP Technical University, Lucknow.** The College is ISO certified.

Administrative Assignments

Member of IQAC Committee.
Member of Fee Concession Committee.
Member of NSS Committee.
Member of Cultural Committee.
Member of Canteen Committee.
Mentored students in organizing departmental technical festivals etc.
Member of Grievance Redressal Cell (for Admissions).

Areas of Interest/Specialisation

Internet of Things (IoT)
Information Security
Cryptography and Network Security
Computer Networks
Data Base Management Systems.
Machine Learning & Deep Learning.

Subjects Taught

Data Analysis and Visualization Using Python.
Computer System Architecture
Computational Skills
Computer Networks and Internet Technologies
Information Security and Cyber Laws
Introduction to Database Systems

Innovation Project/Research Projects (Major Grants/Research Collaboration)

Publications Profile (*Research Papers/Books)*

1. Krishan Kant Singh Gautam, C.S. Rai **"Advancements of QoS for IEEE 802.11 Wireless LAN Technology"** in **NETIT²M'08**. pp 119-124, ISBN 978-81-906531-4-5.
2. Krishan Kant Singh, Arundhati Walia and Nitin Gupta **"Secured and Improved Reactive Routing Protocols for Mobile Ad Hoc Networks"** in "National Journal HRGI Journal of Research, Vol 1 No. 1 **Maiden Issue July-December 2009**,.pp 152-156, **ISSN 0976-6642.**
3. Rajneesh Kumar, K.K.S. Gautam **"Asymmetric Key Management in Wireless Ad-hoc Network: A Survey"** in International Journal for Research in Applied Science & Engineering Technology **(IJRASET)** Vol. No 2, Issue VII July, 2014, **ISSN No 2321-9653**
4. Krishan Kant Singh, Arundhati Walia and Nitin Gupta **"A Survey of QoS for IEEE 802.22 WRAN Technologies"** in International Journal for Research in Applied Science & Engineering Technology **(IJRASET)** Vol. No 3, Issue VIiI August, 2015, **ISSN No 2321-9653.**
5. Kamal Kumar Ranga, Krishan Kant Singh Gautam et al. **"Transforming Business Requirements into IT Application Solution and Business Implementation"**, INDIACom-2017, IEEE International Conference on Computing for sustainable Development, March 1-3, 2017, **ISBN 978-93-80544-24-3.**
6. Kamal Kumar Ranga, Krishan Kant Singh Gautam et al. **"Hyper Spectral Imaging: New Era of Imaging"**, INDIACom-2017, IEEE International Conference on Computing for sustainable Development, March 1-3, 2017, **ISBN 978-93-80544-24-3.**
7. Raju, Krishan Kant Singh Gautam, Rajendra Kumar "Machine Learning Based IoT Security System for COVID - 19", International Journal of Advanced Science and Technology, Vol.29 No 7s (2020), pp. 5838-5853, ISSN: 2005-4238

8. Krishan Kant Singh Gautam, Rajendra Kumar, Subodh Kumar "A Survey on Image Encryption Techniques Enabled with Internet of Things (IOT). *Design Engineering*, Issue: 6 (2021), pp 205 – 213 ISSN: 0011-9342 Retrieved from http://www.thedesignengineering.com/index.php/DE/article/view/1953.

9. Krishan Kant Singh Gautam, Rajendra Kumar, Deena Nath Gupta "Challenges, Attacks, QoS, and Other Security Issues For An IoT Environment" in international conference on "Advancement in Computational and Computer Technologies" (ICACCT-2021) organized by Department of Computer Science and Engineering in Collaboration with UCRD, Chandīgarh University, Gharuan, India, during 30-31 October 2021.

10. Krishan Kant Singh Gautam, Rajendra Kumar "IoT and object identification enabled Smart Home Security System" *International Journal of Mechanical Engineering*. Vol. 7 (Special Issue 3, Jan.-Feb. 2022). ISSN: 0974-5823 pp. 16-23.

11. Krishan Kant Singh Gautam, Rajendra Kumar et.al "Machine Learning Algorithms for 5G and Internet-of-Thing (IoT) Networks" 2022 IEEE Sponsored Second International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2022) held at the Department of Electrical and Electronics Engineering, Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 21 - 22, April 2022. ISSN 978-1-6654-1120-2/22, *DOI: 10.1109/ICAECT54875.2022.9808005*.

12. Krishan Kant Singh Gautam, Rajendra Kumar "Security Awareness Model for Artificial Intelligence and Internet of Things". International Journal on Recent and Innovation Trends in Computing and Communication, vol. 10, no. 12, Dec. 2022, pp. 203-10, https://ijritcc.org/index.php/ijritcc/article/view/5936.

Books

1. **Krishan Kant Singh Gautam, Rakesh Yadav (2022) "Python Programming"** Scientific International Publishing House (SIPH), ISBN No: 978-93-5625-029-1 (first edition).

Conference/Seminar/Faculty Development Programme/Workshop

1. 10 day Online Faculty Development Programme on " Artificial Intelligence and Machine Learning Applications in Engineering "organized by Electronics & ICT Academy, NIT Warangal, Telangana in Association with Department of CSE, Bhoj Reddy Engineering College for Women, Hyderabad , Telangana, from 20th February -1st March 2023. https://drive.google.com/file/d/15CXjzvUFS_zvYXCoes8yKT-YjO2W1yBk/view?usp=share_link

2. Presented the research paper entitled "A Data Security Model for Internet of Things applications" AICTE sponsored in International Conference on Advanced Communication Control & Computing Technology (ICACCCT'22) organized by SIMATS Scholl of Engineering Saveetha Institute of Medical & Technical Sciences, Chennai, Tamil Nadu, India during June 28-30 2022. https://drive.google.com/file/d/19kg0t4Hz-Z8RoAjOktyXeNjcac9rkO3y/view?usp=share_link

3. Presented the research paper entitled "**Machine Learning Algorithms for 5G and Internet- of-Thing (IoT)Networks**" in the 2022 IEEE Sponsored Second International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2022) held at the Department of Electrical and Electronics Engineering, Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 21 - 22, April 2022. https://drive.google.com/file/d/1BdqTNkJmLB1bSqm6NScDWsg68AvAsjrA/view?usp=share_link.

4. Presented the research paper entitled "Challenges, Attacks, QoS, and other Security Issues for an IoT Environment" in International Conference" Advancement in Computation and Computer Technologies" (ICACCT-2021) organized by Department of Computer Science & Engineering in Collaboration with URCD, Chandigarh University, Gharun, Punjab, India during Oct 30-31, 2021. https://drive.google.com/file/d/1QruF9XA_nmrvx4BriIyU0Waj4rEFLWnm/view?usp=share_link.

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

Awards and Distinctions

Memberships

Patents
1. *PATENT Published* Entitled "**VIRTUAL VISION SYSTEM FOR VISUALLY IMPAIRED PEOPLE AND THEREOF"**, 2nd October 2020, Application Number **202041038731.** https://drive.google.com/file/d/1uaResEr1cFAYPRiV8z0UGk4U1fCNHuRk/view?usp=share_link
2. Krishan Kant Singh Gautam, Rajendra Kumar, Rakesh Yadav PATENT Published entitled "**A SYSTEM FOR DETECTING THREATS IN IOT NETWORKS AND METHOD THEREOF**", December 30, 2021, Application Number: **202141061667.** **https://drive.google.com/file/d/12izfgHAj9ZTa-mrUntLWlh1GCnzJhDWP/view?usp=share_link**
3. Krishan Kant Singh Gautam, Kapil Kumar patent grantded entilted" **A TWO-DIMENSIONAL UNIFORM LINEAR ARRAY-BASED MULTIPLE SIGNAL CLASSIFICATION SYSTEM FOR THE DIRECTION-OF-ARRIVAL ESTIMATION",** March 21, 2023. Patent No. 202023100675. https://drive.google.com/file/d/1eULGkag6lIEyCA80-4umhU2ZtQ8E3hvl/view?usp=share_link

Cultural/Extracurricular Activities

K.K.S.Gautam