




Faculty Pro forma

Title	Mr.	First Name	Sachin	Last Name	Kumar	Photograph
Designation	Assistant Professor					
Address	T12, Cluster Innovation Centre, Rugby Sevens Building, University Stadium University of Delhi, Delhi-110007					
Phone No Office	011-27666706/326					
Residence Mobile	+91-9711771381					
Email	sachin.blessed@gmail.com ;					
Web-Page	https://ducic.ac.in/					
Educational Qualifications						
Degree	Institution				Year	
PhD	Dept. of Computer Science, University of Delhi				Pursuing	
MCA	Dept. of Computer Science, University of Delhi				2011	
BSc	Meerut College Meerut, CCS University				2007	
Career Profile						
<u>Teaching Experience</u>						
Organisation	: Deen Dayal Upadhyaya College, Delhi University					
Duration	: 23 rd July 2012 to 23 rd July 2013.					
Organisation	: Indraprastha College for Women, Delhi University					
Duration	: 24 th July 2013 to 19 th Dec 2014.					
Organisation	: Atma Ram Sanatan Dharma College, Delhi University					
Duration	: 12 th Jan 2014 to 15 th July 2015.					
Organisation	: Cluster Innovation Centre, Delhi University					
Duration	: 16 th July 2015 to Till date					
<u>Industrial Experience</u>						
Organisation	: Markit Information Mosaic-UK					
Duration	: 1 st Aug 2011 to 6 th August 2012.					
Organisation	: Markit Information Mosaic -UK					
Duration	: 2 nd Jan 2011 to 31 st July 2011.					
Administrative Assignments						
<u>At Cluster Innovation Centre</u>						
<ul style="list-style-type: none"> ▪ Member, News Letter, Annual Report, Website Committee, CIC, Delhi University, 2016. ▪ Member, Grievance Committee, CIC, Delhi University, 2016 ▪ Member, Exam Committee May 2016. ▪ Member, Website Advisory Committee, University of Delhi. 						

- Member, Exam Committee May 2016.
- Member, Semester Long Project Monitoring, 2016
- Member, Panel for 'Selection of BA (H) Humanities and Social Science', CIC, 2015.

Others

- Student Volunteer at Indocrypto-2009-India
- Student Volunteer at ICQRIT-2010, India
- Student Volunteer at ICQRIT-2012, India
- Member Organizing Committee- ICQRITBO'2015, India

Areas of Interest / Specialization

- Intelligent Systems
- Computer Vision
- Human Dynamics
- Intelligent Transportation Systems
- Decision Support System
- Information Technology Systems
- Governance, Social Systems, Agriculture, and Machine

Subjects Taught

- Programming Fundamentals
- Handling Information through Data Modeling & Design
- Data Communication and Computer Networks
- Advanced Algorithm Design
- Software Engineering
- History, culture & civilization
- Optimizing memory use through Data Structure and Design

Research Guidance

- **Semester-Long Projects**
 1. Neeraj Kumar, Vishesh Sharma, Akshit Nagpal, **Human Activity Detection-2017**
 2. Arjun Sharma, Anuthstha Kalia-**Driver Assistance Development -2017**
 3. Utkarsh Anand, Mukul Yadav-**Social Care-2016**
 4. Pappu Kumar, Neeraj Chauhan-**On This Day-2016**
 5. Sagar-**DU-iNFO-2016**
- **Guided Students in Innovation Project-2016**

Publications Profile

- In Press-**Kumar, Sachin***; Shobha; Pal, Saibal K; Singh, Rampal, "Smart Home: Accurate Prediction of Energy Consumption with Extreme Learning Machine Variant", 7th International Conference on Extreme Learning Machines (**ELM2016**)-**2016-LNCS-Springer**
- In Press-**Sachin Kumar***, Dr. Rampal Singh, Dr. Saibal K Pal, "A Conceptual Architectural Design for Intelligent Health Information System: Case Study on India", 7th International Conference on Quality, Reliability, Infocom Technology and Business Operations (Trends and Future Directions), **2015, Springer**.
- **Sachin Kumar***; Pal, Saibal K; Singh, Rampal, "Intelligent Energy Conservation: Indoor Temperature Forecasting with Extreme Learning Machine", **Advances in Intelligent Systems and Computing, pp- 977-988, 2016, Springer**.
- **Kumar, Sachin***; Shobha; Pal, Saibal K.; Singh, Rampal; "ELM Variants Comparison on Applications of Time Series Data Forecasting", Fourth International Symposium on Women in Computing and Informatics (WCI-2016), pp- 1409-1414, **2016, IEEE Systems, Man, and Cybernetics Society**.

- **Sachin Kumar***, Rampal Singh, Saibal K. Pal, “From E-Governance to D-Governance”, **Computer Society of India- Communications-0970-647x**, pp 32-34, Volume 40, Issue-2, 2016.
- **Sachin Kumar***, Dr. Saibal K Pal, “Empirically Developed Integrated ICT Framework for PDS in Developing Countries”, **IEEE Third World Congress on Information and Communication Technology**, 2013, **IEEE, ISBN-978-1-4799-3230-6/13**, pp. 235-240, 2013.
- **Sachin Kumar***, Dr. Saibal K Pal, “An Approach to Ensure Superior and Sustainable Software Development Performance”, **8th International Conference on Computing for Sustainable Global Development, Delhi INDIA**, ISBN 978-93-80544-10-6, **IEEE, 2014**.
- **Sachin Kumar***, Dr. Saibal K Pal, “ICT Integrated Social Media Framework for Consumer Awareness in Society Using ICT tools”, **IEEE/ACIS 13th International Conference on Computer and Information Science (ICIS)**, pp-229 – 233, Volume-13, China, **IEEE 2014**.
- **Sachin Kumar***, Shobha, Dr. Saibal K Pal, “A New Sustainable Prototype USP for Education Information System”, **International Conference on Futuristic Trends in Computational Analysis and Knowledge Management: ISBN: 978-1-4799-8432-9/15, IEEE, Delhi, 2015**.
- Shobha Rai, **Sachin Kumar**, Devendra Prakash,” Project Guide for FYUP” ISBN -978-81-920546-7-4, year-2013, Vidhyanylam Publishers Delhi.
- **Sachin Kumar***, Shobha, Dr. Saibal K. Pal,’ “An Improved Post-Quantum Cryptographic Scheme Based on NTRU”, International Journal of Computer Applications Technology and Research, Volume 2- Issue 4, pp 499 - 503, 2013, ISSN 2319- 8656.

Popular Article

- Sachin Kumar*-Article “Cyber Space: New Space for Security, Law, and Order for India”, Yojana Development Journal: **Yojana Web Exclusives**. Volume 72, Publication Division, Ministry of I&B New Delhi. ISSN-0971-8400, Feb 2014.
- Article-“**New Dimension in Public Policy in India: Big Data Analytics**, By Sachin Kumar*, University of Delhi, 2015.

Conference Organization/ Presentations (in the last three years)

- Presented-“Smart Home: Accurate Prediction of Energy Consumption with Extreme Learning Machine Variant”, 7th International Conference on Extreme Learning Machines (ELM2016), 7, 2016-**LNCS-Springer-Singapore**.
- Presented:-“An Improved Post-Quantum Cryptographic Scheme Based on NTRU” in International Conference on Quality Reliability Infocom Technology and Industrial Technology management, **Delhi University, 2013**.
- Presented: -“Assessment and Prospects of Big Data Analytics in Public Policy in India” “IIMA 4th International Conference on Advanced Data Analysis, Business Analytics and Intelligence, **IIM Ahmadabad, IC 15/074, 2015**.
- Presented: -“A Conceptual Architectural Design for Intelligent Health Information System: Case Study on India”, 7th International Conference on Quality, Reliability, Infocom Technology and Business Operations (Trends and Future Directions), **2015, Delhi**.
- Presented: -“A New Sustainable Prototype USP for Education Information System”, International Conference on Futuristic Trends in Computational Analysis and Knowledge Management: ISBN: 978-1- 4799-8432-9/15, **IEEE, Delhi, 2015**.
- Presented-“Intelligent Energy Conservation: Indoor Temperature Forecasting with Extreme Learning Machine”, **Advances in Intelligent Systems and Computing, pp- 977-988, 2016, Springer, Switzerland**.
- Presented-“ELM Variants Comparison on Applications of Time Series Data Forecasting”, Fourth International Symposium on Women in Computing and Informatics (WCI-2016), pp-1409-1414, 2016, **IEEE Systems, Man, and Cybernetics Society**

Research Projects (Major Grants/Research Collaboration)
<ul style="list-style-type: none"> ▪ Co-PI in innovation project, “Weaving Dreams for Destitute – Night Shelters” funded by Delhi University :(2015-2016).
Awards and Distinctions
<ul style="list-style-type: none"> ▪ Research Travel Grant to attend ELM2016 Singapore from University of Delhi-2016 ▪ Cleared UGC-JRF-2014 ▪ Selected in Ph.D. for Information Technology and Systems - IIM Rohtak 2014 ▪ Cleared UGC-JRF-2012 ▪ Meerut College Alumni Delhi Scholarship for Toppers-2008 ▪ University Graduation Scholarship-2005 ▪ University Graduation Scholarship-2006 ▪ University Graduation Scholarship-2007 ▪ Got placement Offers from Several MNCs ▪ Secured 7th rank in JAM-2008 for Mathematics Entrance Exam conducted by IITs. ▪ Won 1st prize for Event Mind Matters in tech fest Sankaran -2009 ▪ Won 2nd Prize in Vinculum conducted by IP College for Women Delhi University in 2009 ▪ Won 2nd Prize in C/C++ Coding Event Sprint in Sankalan-2010 ▪ Cleared Competitions such as NDA and CDS ▪ Got 2nd place in Tehsil in Bhartiya Sanskriti Gyan Priksha-2004 ▪ Got 3rd Place in Tehsil in Bhartiya Pratibha Sammaan Samaroha-2003
Other Activities
<p><u>Workshops and Other events</u></p> <ul style="list-style-type: none"> ▪ Attended International Workshop on Big Data Analytics (WBDA-2016), School of Computer & Systems Sciences (SC&SS), Jawaharlal Nehru University-2016. ▪ Invited for- FICCI Technology Expo and Innovator - Investor Meet” on 11th dec’15 (Friday) at FICCI, Delhi. ▪ UGC-FCIT, Workshop ▪ Event Coordinator in technical quizzes namely Mind Matters for department technical festival Sankalan-2010. ▪ Event Coordinator in technical quiz namely Overnight Coding for department technical fest Sankalan-2010