




## Shivaji College Faculty Details Proforma

<b>Title</b>	<b>Mr.</b>	<b>First Name</b>	<b>Last Name</b>	<b>Photograph</b>
		Rakesh	Yadav	
<b>Designation</b>		Associate Professor		
<b>Address</b>		Department of Computer Science Shivaji College, University of Delhi Ring Road, Raja Garden New Delhi- 110027.		
<b>Office Phone No.</b>		011-25116644		
<b>Residence</b>				
<b>Mobile</b>				
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<b>Web-Page</b>				
<b>Educational Qualifications</b>		Masters in Computer Applications (MCA)		
<b>Degree</b>	<b>University/Institute</b>		<b>Year</b>	
<b>Ph.D.</b>				
<b>M.Phil./M.Tech.</b>				
<b>PG</b>	Jawaharlal Nehru University			1988
<b>UG</b>	Delhi University			1985
<b>Any Other Qualification</b>				
<b>Career Profile</b>				
Joined Shivaji College in January 1989.				
<b>Administrative Assignments</b>				
Convenor and member of various staff council committees as assigned by the college from time to time				
<b>Areas of Interest/Specialisation</b>				
Computer Networks Operating Systems Programming Languages Computer System Architecture				

<b>Subjects Taught</b>
Computer System Architecture, Data Communication, Computer Networks, Operating Systems, Software Engineering, Probability Theory, Strategic Human Resource Management, Programming Languages, System Analysis and Design
<b>Innovation Project/Research Projects (Major Grants/Research Collaboration)</b>
1. Innovation Project- Smart switch (An app and a device to digitally control home networks remotely)
<b>Publications Profile (Research Papers/Books)</b>
<ol style="list-style-type: none"> <li>1. Krishan Kant Singh Gautam, Rajendra Kumar, <b>Rakesh Yadav</b> and Preeti Sharma, "Investigation of the Internet of Things (IoT) Security and Privacy Issues," 2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA), Coimbatore, India GB, 2023, pp. 1489-1494, doi: 10.1109/ICIRCA57980.2023.10220814. <a href="https://ieeexplore.ieee.org/document/10220814/authors">https://ieeexplore.ieee.org/document/10220814/authors</a>.</li> <li>2. Singh, R., Shukla, A. K., Gaur, S. S., <b>Yadav, R.</b>, Gautam, K. K. S., Rana, O., &amp; Biswas, P. (2022, March). "The Study of A System of Non-Homogeneous Equations Using Matrix Exponential Method and Analysis With Scilab Software 6.1. 1". In <i>Journal of Physics: Conference Series</i> (Vol. 2223, No. 1, p. 012001). IOP Publishing.</li> <li>3. Singh, R., Shukla, A. K., <b>Yadav, R.</b>, Gautam, K. K. S., Biswas, P., Rana, O., ... &amp; Verma, P. (2022, March). "Computational Treatment for The Solution of A Set of Coupled Differential Equations for Any Physical System Using Scilab and Generating Scilab Codes". In <i>Journal of Physics: Conference Series</i> (Vol. 2223, No. 1, p. 012002). IOP Publishing.</li> </ol>
<b>Book</b>
1. <b>Krishan Kant Singh Gautam, Rakesh Yadav (2022) "Python Programming"</b> Scientific International Publishing House (SIPH), ISBN No: 978-93-5625-029-1 (first edition).
<b>Conference/Seminar/Faculty Development Programme/Workshop</b>
<b>Research Guidance (Supervision of Doctoral Thesis/Dissertations)</b>
<b>Awards and Distinctions</b>
<ol style="list-style-type: none"> <li>1. National Scholarship holder from 1985-1988</li> <li>2. Gold Medal for being the best Candidate at under Graduate level in Delhi University.</li> </ol>
<b>Memberships</b>
1. Computer Society of India (Life Member)
<b>Patents</b>
<ol style="list-style-type: none"> <li>1. <b>Krishan Kant Singh Gautam</b>, Prof. (Dr.) Rajendra Kumar, <b>Rakesh Yadav</b> patent granted entitled "AI-ENHANCED PREDICTIVE ANALYTICS DESK" 24<sup>th</sup> October, 2024, Patent No. 429572-001. <a href="https://drive.google.com/file/d/1ogRKvKEEm3o0zMCUW1EO1T7Y4pF3vwTp/view?usp=sharing">https://drive.google.com/file/d/1ogRKvKEEm3o0zMCUW1EO1T7Y4pF3vwTp/view?usp=sharing</a></li> <li>2. Krishan Kant Singh Gautam, Rajendra Kumar, <b>Rakesh Yadav</b> PATENT Published entitled "A SYSTEM FOR DETECTING THREATS IN IOT NETWORKS AND METHOD THEREOF", December 30, 2021, Application Number: 202141061667. <a href="https://drive.google.com/file/d/12izfgHAj9ZTamerUntLWlh1GCnzJhDWP/view?usp=share_link">https://drive.google.com/file/d/12izfgHAj9ZTamerUntLWlh1GCnzJhDWP/view?usp=share_link</a></li> </ol>
<b>Cultural/Extracurricular Activities</b>

(Mr. Rakesh Yadav)