



## **RICHA SHARMA**

**Contact Nos.:** +91-91-8107064501 / +91-9462242828 / 0148-402962

**E-Mail:** richasharma198524@yahoo.com

**LinkedIN Profile:** [id-richasharma198524@yahoo.com](https://www.linkedin.com/in/id-richasharma198524@yahoo.com)

**Google Scholar Id:** [https://scholar.google.co.in/citations?view\\_op=new\\_profile&hl=en](https://scholar.google.co.in/citations?view_op=new_profile&hl=en)

**Orchid Id:** <https://orcid.org/0009-0009-7953-6150>

### **MIDDLE LEVEL ASSIGNMENTS**

**~Software Programming ~Application Development ~Teaching Operations~**

*A **Lecturer** with invaluable knowledge of managing resources & staff in an effective & efficient manner*

*In quest of an exciting career which would help in contributing towards the growth of an organization through business acumen and meticulous analysis of real life situations- be it marketplace, corporate world, social gatherings or knowledge gained through books and academic sources*

**Industry Preference: IT**

### **Profile Summary**

**MCA & M.Sc. (IT)** qualified professional with **10 years** of experience in:

**~Teaching Operations  
Development**

**~Mentoring & Coaching**

**~Training &**

**~Student Management  
Planning**

**~Classroom Management**

**~Strategy**

**~Innovative Curriculum Development  
Audits**

**~Education Program Planning**

**~Academic**

- Expert in teaching subjects like **Oracle RDBMS / C /C++/ Java Script & HTML/JAVA**
- Experience in the areas of teaching to students of MCA, MBA & B.Tech. & BCA students
- In-depth understanding of **C, C++, Core Java , Advanced java & VB, HTML, Java Script, MS FrontPage, Oracle 9i & MS Access,php**
- Skilled in **developing curriculum** to accommodate different learning styles & maximizing students' comprehension
- Extensive experience in **developing effective teaching and learning technologies** for child development, revamping operational processes for institutes, and workforce development
- Possess sound understanding of **Application Development Lifecycle (SDLC)** including requirement analysis, design, coding, testing and maintenance phases
- Exposure of **facilitating/coaching students** by using interactive discussion sessions
- An effective communicator with excellent interpersonal, planning, problem solving and analytical skills

### **Organisational Experience**

<b>Nov' 22 to current</b>	<b>Working as an assistant professor in Sangam University</b>
<b>Feb'15 to Oct'30</b>	<b>Swift College of IT And Management, Bhilwara as Lecturer and program coordinator.</b>
<b>Jan'12 to Feb'14</b>	<b>Vidya Professional College, Bhilwara as Lecturer</b>
<b>Jan'08 to Dec'09</b>	<b>Aryabhatta College, Ajmer as Lecturer</b>
<b>Aug'01 to Dec'07</b>	<b>Worked as Centre head at Revoltech Institute, Ajmer as Faculty - IT</b>

### **Key Result Areas:**

#### **Teaching Operations**

- Coordinating with the faculty members for altering the prevailing courses/ curriculum/ syllabus based on the requirements

- Teaching subjects like Oracle RDBMS / C C++/ Java Script & HTML/php while preparing papers; supervising entrance test for candidates seeking admission in the college

### Student Management

- Fostering a healthy learning atmosphere in class and responding to all classroom queries in a spontaneous & empathic manner
- Ensuring discipline by observing students' work, behaviour and attendance

### Curriculum Planning & Development

- Managing process of curriculum review including course content, methods of delivery & assessment; documentation and negotiation of these developments
- Handling process leading up to periodic teaching quality assessments including a self-assessment programme, making recommendations for improvement, detailed arrangements for assessment visits, etc.

### General Administration

- Maintaining discipline & efficiency within college administration office and recommending appropriate professional development targets for all staff
- Managing an efficient office by paying particular attention to accuracy, reliability and appearance of staff at all times
- Being committee member in many different committees at Sangam university as registration, admission, convocation, etc.

### Academic Project

<b>Title:</b>	D'dmas Jewellery Showroom Automation
<b>Duration:</b>	2.5 months
<b>Backend:</b>	Access
<b>Frontend:</b>	VB
<b>Description:</b>	The project dealt with designing & building system for D'damas- a complete jewellery showroom with full automation of showroom like catalogue, sales, purchase, suppliers detail & all other required features were there in soft form.

### Education

2023	Enrolled in PHD
2009	MCA from MD University Rohtak
2007	M.Sc. (IT) from MDS University, Ajmer
2005	Bachelor of Science (PCM) from MDS University, Ajmer

### IT Skills

- Well versed with:
  - Languages: C, C++, Core Java, adv. Java & VB, Python
  - Technologies: HTML, Wordpress
  - Scripting Languages: Java Script, php, Asp
  - Web Designing Tools: MS FrontPage
  - RDBMS: Oracle 9i & MS Access, My sql
  - AI: Prolog
  - Others: MS Office (Word, Excel, PowerPoint) & Internet Applications

### Patents Published

- Patent published Title: "SMART IOT FOOD QUALITY MONITORING SYSTEM".
- UK Design Patent: "GEOSPATIAL DATA VISUALIZATION AND MAPPING SYSTEM DEVICE".

- Patent published Title: "AI/ML- BASED SOLUTION TO IDENTIFY AND SOLVE DISEASE IN PLANTS/CROPS"
- Patent published Title: "AI-BASED CHANGE DETECTION DUE TO HUMAN ACTIVITIES AND FEATURE EXTRACTION SYSTEM FOR REMOTE SENSING IMAGES USING TIME SERIES DATA"
- Patent published Title: "AI-BASED IDENTIFICATION AND PREDICTION SYSTEM FOR FINANCIAL NEEDS BASED ON DEMOGRAPHY AND ECONOMIC CYCLES"
- Patent published Title: "CAREER CHOICES AND AI-BASED COUNSELING ACCESSIBLE TO EVERY CHILD AT SECONDARY LEVEL ALONG WITH APTITUDE TESTS AND DETAILED CAREER PATHS"
- Patent published Title: "REAL-TIME DISASTER INFORMATION AGGREGATION SOFTWARE USING DEEP LEARNING"
- Patent published Title: "WATER AVAILABILITY-BASED CROP SELECTION AND ADVISORY SYSTEM FOR FARMERS USING MACHINE LEARNING"

### Papers

- Performing Security of Automated Presentation Testing Model for Cloud Computing as 3<sup>rd</sup> Author- China Petroleum Processing & Petrochemical Technology.
- Paper presented **"Integrating Machine Learning and GeoAI for Enhanced Geospatial Analytics: Advances in Predictive Modeling, Automation, and Environmental Monitoring"** in ICAIR-2025, Sangam University, Bhilwara on, March 2025.

### FDPs

- Five Days International FDP on Next Gen AI and Data Analytics .
- One-week International Faculty Development Program on "Ethical Issues in Research Writing" , Organized by Regional College for Education Research and Technology, Jaipur and University of Technology, Jaipur in association with Scientific And Humanities Research Society, Jaipur, Rajasthan, India. September 11 – 16, 2024.
- Participated in RUSA sponsored skill development course on Data Analytics and Machine Learning organized by Department of Computer Science & Applications, Punjab University, Chandigarh (India), from October 31 – November 10 2023.
- Participated in International FDP on Navigation Tomorrow with AI , ML, Data science for intelligence Solution organized by Regional College, Jaipur from 19<sup>th</sup>- 23<sup>rd</sup> march.
- National FDP on Research Ethics, Tools and altmetrics.
- One week Faculty Development Program on "Cyber Security & Analysis" organized by Department of Artificial Intelligence & Data Science from 8-13 January 2024.
- Participated in 5 days Faculty Development Program on " Teaching and Learning Advancements in Science & Engineering" organized by Regional College, Jaipur from 24-28 April 2023.
- Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) from 20-02-2025 to 28-02-2025.
- One-week International Faculty Development Program organized by Department of Computer Science & Engineering. Astana IT University, Astana, Kazakhstan, 31 March- 4 April 2025.
- Participated in 6 days Faculty Development Program on "Data Analytics with Python" organized by Electronics & ICT Academy, CDAC-Patna, from 6<sup>th</sup> -11<sup>th</sup> jan 2025.

### Book & Chapters

- Book published "Exploring Analytics in numerical method for data cleaning", BR international, ISBN: 978-81-971742-6-1 in 2023
- Exploring Analytics in Numerical method for data cleaning International ISBN 978-81-971742-6-1 BR International .
- The role of teachers in Personality development .
- Analysis of the Indian National Education Policy 2020 towards Achieving its Objectives .

### Achievements

- Felicitated by The International Association of Lions Clubs for excellence in teaching on 5<sup>th</sup> Sept 1917.
- Received award by Institution of Engineers (India) Felicitation on Worlds Engineering Day 4<sup>th</sup> march 2024.

### Personal Details

- Date of Birth: 5<sup>th</sup> November 1985
- Address: H N-48, Kesariya Paras, Chittor Road, Bhilwara – 311001
- Languages Known: English and Hindi
- Location Preference: Rajasthan, Bhilwara