

**DR. DINESH SHARMA**

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**Objective**

I am willing to give total support the organization that I am in, with the experience and capability that I have, to achieve organization's goals and create mutual benefits.

**Qualification**

<b>Ph D</b> , CSE Uttarakhand Technical University, Dehradun, India 2021	<b>M.E</b> (CSE) R.G.P.V, Bhopal 2012	<b>C-DAC</b> (Software Development) ACTS, Pune 2008	<b>B.E</b> (CSE) R.G.P.V, Bhopal 2007
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**Patents**

- Dinesh Sharma, G.S. Tomar, Inventors, “**Predictive Neural Network-Based Coordination Algorithm for Energy Efficient Wireless Sensor Network**” Indian Patent, Published.
- Dinesh Sharma, Ashish Kumar Mishra, Inventors “**Educational Efficiency Tracker and Precise Quality AI Advisor based on Combination of Behavioural Data Agglomeration, Hybrid Neural Network Architecture and Smart AI and Statistical Psychological Analysis**”, Indian Patent, Published.
- Dr. Venkatadri M, Dr. Pankaj Kumar Mishra and Mr. Dinesh Sharma, Inventors “**An Impact of Yoga in Public Wellness Using Machine Learning**”, Published.

**Book Chapters**

- Book chapter titled “**A Role of Enterprise Service Bus in Building Web Services**” is published in Exploring Enterprise Service Bus in the Service-Oriented Architecture Paradigm book. **Scopus Index**
- Book chapter titled “**Prognosis for Crop Yield Production by Data Mining Techniques in Agriculture**” is published in **Applications** of Image Processing and Soft Computing Systems in Agriculture book. **Scopus Index**

**Journal Publications**

- Sharma, D, Tomar, G. S. & (2021). Energy Efficient Multitier Random DEC Routing Protocols for WSN: in Agricultural". Wireless Personal Communication. (**SCI, Impact Factor – 1.26**)
- Koyuncu, H., Tomar, G. S., & Sharma, D. (2020). A New Energy Efficient Multitier Deterministic Energy-Efficient Clustering Routing Protocol for Wireless Sensor Networks. Symmetry, 12(5), 837. (**SCI, Impact Factor – 2.46**)
- Sharma, D., & Tomar, G. S. (2020). Comparative Energy Evaluation of LEACH Protocol for Monitoring Soil Parameter in Wireless Sensors Network. Materials Today: Proceedings, 29, 381-396. (**Scopus**)
- Sharma, D., & Tomar, G. S. (2020). Enhance PEGASIS Algorithm for Increasing the Lifetime of Wireless Sensor Network. Materials Today: Proceedings, 29, 372-380. (**Scopus**)
- Sharma, D., & Tomar, G. S. (2019) A Survey on Energy Efficient Hierarchical Based Routing Protocols in Wireless Sensor Networks for Agriculture, IJLPR ,4-12. (**Web of Science**)
- Kratika kalia, Deepa Singh Sisidiya, Dinesh Sharma & Vishok Singh. (2015) “Energy Efficiency Clean IT: Concepts and Approaches, IJSM, 9(6),65-70 (**Scopus**)

### International Conferences

- Paper Entitled „Face Mask Detection Analysis System in Covid19 Using CNN and Deep Learning” is published in IEEE International Conference of Communication System & Network Technology” (CSNT-2021) in June 2021. Accepted **Scopus**
- Paper Entitled „Adaptive E-Learning Using Semantic WebTechnology: A diffèrent Approach” is published in IEEE International Conference of Communication System & Network Technology” (CSNT-2015) in April 2016
- Paper Entitled „Effect of Contention Window Size in Binary Exponential Algorithm” is published in IEEE International Conference Advanced in Computing and Communication Engineering, 2015. **Scopus**
- Paper Entitled “Energy Efficient Clean and Green IT: Concepts and Approaches” is published in International Conference on Green Computing and Engineering Technology (ICGCET) in malaysia in July 2015.
- Paper Entitled “Factors affecting e-waste management an interpretive structural modeling approach” is presented and published in IEEE International Conference of Communication System & Network Technology” (CSNT-2015) in April 2015. **Scopus**

### National Conferences

- Presented a research paper in National Seminar on NSCNCS-2016 at Amity University, Madhya Pradesh titled „Development of Efficient Agriculture System using WSN” organized by Amity School of Engineering and Technology, AUMP, Gwalior
- Presented a research paper in National Seminar on NSCNCS-2016 at Amity University, Madhya Pradesh titled „Advantages of Enterprise Service Architecture for Component Integration” organized by Amity School of Engineering and Technology, AUMP, Gwalior
- Presented a research paper in National Conférence on ICSET-2016 at IMS Unision University, Dehradun titled „Wireless sensor network for monitoring energy efficient faulttolerant framework” organized by school of computer application department.
- Presented a research paper in National Conférence on ICSET-2015 at IMS Unision University, Dehradun titled „Study of image technique enhancement” organized by school of computer application department.
- Presented a research paper in National Conférence on ICSET-2014 at IMS Unision University, Dehradun titled „Software fault prédiction” organized by school of computer application department.
- Presented a research paper in National Seminar on CETFP-2014 at IMS Unision University, Dehradun titled „Role of information technology in mass communication” organized by school of mass communication department.
- Attended 2 days National Conférence on „Innovation in ICT implication for business organization” at IMS Unision University organized by school of computer application and school of management. Paper Entitled “Effect of Bakeoff Factor and Retry Limit on Exponential Backoff Algorithms” is selected and published in International Journal of Computer Science & Information Engineering in June 2011 Volume 2.
- Presented a research paper in national conference at Acropolis institute of technology and management, Indore titled „Effect of Contention Windows Size in Binary Exponential Back of Algorithm”.
- Presented a research paper in National Conference at ACME Palwal, Haryana titled „Parallel Sql execution in oracle 11i.”

### Experience

- 11 Years 10 Month in Technical and Engineering Education

- 8 Years in C# and ASP.Net, PHP, JAVA and in Android app Freelancer software development.

#### **Current Organization:**

- ❖ **Amity University, Madhya Pradesh (<http://www.amity.edu>)**

**Tenure:** 26 Oct 2015 to Till Date.

**Designation:** Asstt. Professor (CSE)

#### **Previous Organizations:**

- ❖ **IMS Unison University, Dehradun (<http://www.iuu.ac>)**

**Tenure:** 1<sup>st</sup> July 2013 to 24 Oct 2015.

**Designation:** Asstt. Professor (IT)

- ❖ **Amardeep College of Engineering and Management, Agra. (<http://www.acem.co.in>)**

**Tenure:** June 2011 to June 2013

**Designation:** Head (Computer Science & Engineering Department) & Assistant Professor, ACEM, Agra.

- ❖ **Rustamji Institute of Technology, Tekanpur, Gwalior (<http://www.rjit.co.in>)**

**Tenure:** Feb 2008 to May 2010

**Designation:** Head (Computer Science & Engineering Department) & Assistant Professor, ACEM, Agra.

- ❖ **D-Sys Data Solution, Gwalior, India**

**Tenure:** Feb 2008 to Feb 2012

**Designation:** Software Designer and Developer. (**Freelancer**)

**Technologies :** C#, Asp.Net and SQL Server 2008.

**Description:** I am working as a part of development and designing of various software developed by the company. My work was as freelancer work.

#### **Proficiency**

**Technologies:** Android, Angularjs, C#, VB.net Asp.Net, PHP, JQuery, HTML, C,C++,Java, SQL Server, Machine Learning, IoT, Software testing and debugging,

**Subjects:** Android, IOT, ASP.NET, VB.NET, CCP, OOP's, Computer Networks, Data Structure, DBMS, Operating Systems, Web Tech, OOT, Software Engineering, Visual Basic, WSN, Mobile Computing etc.

**Web Development Training :** Android Applications, Business Websites, Enterprise Applications and Desktop Applications.

#### **Resource Person /Keynote Speaker**

- Invited as resource person in Webinar on “**Artificial Intelligence & Machine Learning**” organized by Shri Ram College of Engineering & Management, Banmore, Gwalior.
- Delivered expert session in Three Days National Tech Conclave 2021 on “**Getting Started Google Colab for Machine Learning**” organized by
- Invited as keynote speaker in AICTE Sponsored Short Term Training Program on "Data Analysis using Python" organized by IPS, IES, and Indore. (18<sup>th</sup> March 2021)
- Invited as resource person in online **faculty development Program on "Initiatives for Teaching Learning excellence in Computer Science (1-6 March, 2021)"** jointly organized by SRP Government College, Bandikui and Commissionerate, Department of College Education, Rajasthan.

- Invited as resource person in Webinar on “**Learn to Develop Android App**” organized by Amity University, Madhya Pradesh and attended by 530 participants.
- Invited as resource person in Webinar on “**A Kick Start to Machine Learning Through Google Colab**” organized by Amity School of Engineering & Technology, AUMP, Gwalior and attended by 599 participants.
- Guest lecture on “**Testing and Training in Machine Learning using COLAB**” in one week faculty development programme on “**Machine Learning Algorithm, Application & Advantages**” organized by Kamla Institute of Technology & Science from 25<sup>th</sup> to 30<sup>th</sup> May 2020.

### Achievements of Last 5 Years

- Invited as **Keynote speaker at ICWSC 2021** London UK.
- Development of **Web Conferencing Platform** (Bharat Live) for Online Activities 2020.
- **Best innovator** selected by Amity University, Madhya Pradesh in 2020.
- **Appreciation from VC for developing CBCS android application and Scopus index Journal App JCCC.** (Apps present in play store- AUMP CBCS and JCCC)
- **Awarded best faculty member** by Amity University, Madhya Pradesh and Danik Bhaskar in 2019.
- Under my mentorship CSE students of 2<sup>nd</sup> Year and 4<sup>th</sup> year got International Funding project from Latroba University Technology Grand Challenge, **Australia of \$1000 and \$250 and 1<sup>st</sup> project also got 1st runner-up prize.**
- Under my mentorship CSE student Mr. Ashish Kumar Mishra develop “Smart Attendance System “and **got 1st position in National level Challenge organized by Amazon and he also get prize for rupees 35 thousand.**
- Under my mentorship CSE student Ms. Priyanshi Gupta received **case prize Rs. 30000/- and got Runner up prize** from “Gwalior Smart City Tech Challenge 1.0 2020”.

### Professional Achievements

- Worked as “**Associate Editor**” in Pragyan Journal of Information Technology in IMS Unison University, Dehradun
- Worked as “**Session Chair**” in TEQIP-III Sponsored IEEE International Conference-2018, organized by RGPV, Bhopal.
- Working as **Reviewer** in many journals and SCI, IEEE, Scopus index sponsored International Conferences.
- Working as **Programme Committee Member** in many International Conferences.
- I have **designed & developed websites and Web applications** for IJCSNT (<http://ijcsnt.info>), IJCSN (<http://ijcsn.info>), Amity School of Engineering and Technology Journals and Amity Institute of Biotechnology journal etc, which are working successfully.
- Organized **one month training programme on “PHP and MySql”** from 16<sup>th</sup> may to 16<sup>th</sup> June in Amity University, Madhya Pradesh.
- Organized **2 days National Workshop on “Web Design and Development** “and work as resource person in Amity University, Madhya Pradesh.
- Organized **2 National Workshop on “Android Application Development** “and work as resource person in Amity University, Madhya Pradesh
- Webinar on “**Learn to Develop Android App**” attended by 530 participants.
- Webinar on “**A Kick Start to Machine Learning Through Google Colab**” attended by 599 participants.
- Constitution of **Amity Coding Club** in amity university Madhya Pradesh and organize many national events.

### Orientation Programme/Refresher Courses

- Attended 21 days UGC Sponsored Orientation Programme held during 7-06-2019 to 27-06-2019 in LNIPE Gwalior.M.P

- Attended 1 week AICTE-ISTE Sponsored Refresher Programme on “**Data Science Analytics and Visualization Tools**” held during 02.11.2020 to 07.11.2020 organized by Shri Shankaracharya Technical Campus, Bhilai, District Durg, Chhattisgarh.

#### **FDP/Workshops/Training Programme Organized**

- Organized 5 Days faculty development programme on “**Internet of Things & Its Applications**” from 26<sup>th</sup> -30<sup>th</sup> May 2021 sponsored by AICTE ATAL Academy, Government of India.
- Organized **1 month training programme** on “PHP and MySQL” from 16th May to 16th June 2020 and worked as resource person.
- Organized **2-days national workshop** on “Web Design and Development” from 2nd to 3rd Feb 2018 and work as resource person.
- Organized **one day Workshop** on “Android App Development” on 20th Feb 2020 and worked as resource person.
- Organise **one day Workshop** on Hardware and Networking 2011 at. ACEM Firozâbâd and worked as resource person.

#### **Workshop/FDP/Short Term Courses Attended**

- Attended One Month Faculty Development Program on „Use of ICT in Education for Online and Blended Learning” from 07 May to 10th July 2016 organized by IIT Bombay.
- Attended Two Week Faculty Development Program on „Introduction to Design of Algorithm” from 27th April to 30th May 2015 organized by IIT Kharagpur
- Attended One Week Faculty Development Program on „Deep Learning and Applications” from 9th to 13 Dec 2019 organized by IIITDM Jabalpur.
- Attended Two Week Faculty Development Program on „Entrepreneurship Development” from 16th to 31 May 2017 organized by Amity University, Noida and Sponsored by DST.
- Attended One Week Faculty Development Program on „Research Methodology and Pedagogy in Universities” from 6th to 12th Dec 2018 organized by Amity University, Gwalior
- Attended One Week Faculty Development Program on „Quality Higher Education :Indian Universities” from 14th to 20th June 2017 organized by Amity University, Gwalior
- Attended 7 Day Faculty Development Program from 15th to 23rd June 2016 organize by Amity University Madhya Pradesh.
- Attended Short Term Course on “Developments and Challenges in Software Development Practices and Technologies Needed for Digital India Programme” During : May 28 - June 01, 2018. Organized by IIT Roorkee
- Attended Short Term Course on „Cyber Security & Forensics” held on 04th-05th November, 2017 organized by IPS College of Technology & Management and Sponsored by MPCST & CSI.
- Attended Short Term Course on „Popular Lecture Series on Engineering Physics” held on 06th-07th April, 2019 organized by IPS College of Technology & Management and Sponsored by TEQIP-III.
- Attended 5 days short term training program at IIITM, Gwalior titled „SOFTWARE ENGINEERING & MANAGEMENT”.
- Attended 3 Days National Workshop on „Data Science Research” held on 16th-18th Dec 2016, organized by Sharda Group of Institution and Sponsored by DST.
- Attended 2 Days National Workshop on „NCETIT” at. IES IPS Academy, Indore
- Attended 1 Day National Workshop on „The Importance of ICT and Its Tools” on 23rd July, 2020 and organized by Saradha Gangadharan College, Puducherry.

#### **Technical Exposure**

**Host Platforms:** Microsoft Windows 2000 Server/ NT / XP /7/8/10

**Sun Microsystems’ J2EE Framework:** Core Java, Servlet, JDBC

**Application/Web Server:** IIS, Tomcat.

**Database:** Oracle 10g, MS-Access, MSSQLSERVER, Mysql.

**Framework/Architecture:** .Net 3.5, 4.0 and 4.5

**Other Tools & Languages:** Android, Angularjs, C#, VB.net, ASP.Net, PHP, C++, C.IOT

## Project Experience Outline

**#1**

**Project Name:** Android Application for CBCS Subject Selection on Google Play Store.

**Client:** Amity University, Madhya Pradesh

**Duration:** June 2019 To July 2019

**Technologies:** Android Studio, Mysql, PHP

**Abstract:** The choice-based credit system (CBCS) or Minor track is to enhance the interest among the student paternity to get exposure in their interested areas other than the regular-stream in which they took admission. Among 36 different minor tracks offer at AUMP students of all first year, all students must opt their minor tracks manually is a tedious process and usually takes week long time to complete this process. We have developed an App to take the choices from the students as per their interests within 10 mins of time from all the first-year students with the following functions. 1. Student can check the syllabus and select three choices of minor track 2. Student can fill choice anytime or any place.

**#2**

**Project Name:** Android Application (THDC, IHET, Tehri on Google Play Store)

**Client:** THDC, IHET Tehri, Uttrakhand

**Duration:** Jan 2018 To Feb 2018

**Technologies:** Android Studio, Mysql

**Abstract:** THDC android application provide all the information of institute like about us, Chancellor messages, director message, enquire form and contact us.

**#3**

**Project Name:** Education Institute portal (<http://www.educatecampus.com>)

**Client:** THDC, IHET Tehri Uttrakhand

**Duration:** august 2017 To Dec 2017

**Technologies:** ASP.NET, C#, Web Services, JQuery and MSSQLSERVER 2008

**Abstract:** Our client did the whole work manually and on paper. In this project we will provide automated system for managing the following operations of various departments like:

- Student and Faculty Information
- Exam marks Management
- Notes, Notices, Syllabus Management
- Online Leave Management
- Activity Management
- Feedback and Mentor Mentee meeting Management

### Responsibilities:

- Involved in demonstrations.
- Involved in discussion for the Business requirement (Client Interaction)

- Involved in analysis, coding, and testing phases.
- Debugging, Integration, Code inspection
- Involved in Functional Designing & Database Designing.

**#4**

**Project Name:** Online Quiz (Url- <https://test.accmp.co.in>)

**Duration:** Jan 2018 to May 2018

**Technologies:** PHP, Mysql

**Abstract:** - It is good source of interactivities among students and between the teacher and students. It is done in order to improve student's comprehension levels and learning motivation. As one of their tools, online test tools are quite effective. However, in order to use the online test tool, a teacher is generally required a great deal of labor.

For example, a teacher needs to create quizzes and input them in the online test tool.

**#5**

**Project Name:** Hamara Samaj (URL -hamarasamaaj.in)

**Duration:** August 2014 to Dec 2014

**Technologies:** Net Framework 4.0, C#, ASP.net, MSSQLSERVER 2008

**Abstract:-** This website is only welfare purpose. On this website information regarding various activities, job information, latest news related to different fields provided. Notes of different subjects are also can be uploaded and downloaded by any user. Online quiz facility has also been provided on this website.

**#6**

**Project Name:** Intranet student portal

**Client:** IMS Unison University, Dehradun

**Duration:** July 2014 to August 2014

**Technologies:** Net Framework 4.0, C#, ASP.net, MSSQLSERVER 2008

**Abstract:-** In this project I am providing online notes and all other details which is helpful for the students of the university. Here all the faculty members upload the notes and assignments and students can download its directly.

**#7**

**Project Name:** Call Log Management System

**Duration:** Dec 2013 to Jan 2014

**Technologies:** Net Framework 4.0, C#, ASP.net, MSSQLSERVER 2008

**Abstract:-** In this project we will provide automatic details of absent students and according to call log automatically generated. This call log provide the details of students with



subjects, mobile number of students in a day. The following operations are provided

**#8**

**Project Name:** College Management System

**Client:** Brajraj Singh College, Firozabad

**Duration:** Oct 2011 To Feb 2012

**Technologies:** .Net Framework 4.0, C#, MSSQLSERVER 2008

**Abstract:** - Our client did the whole work manually and on paper. In this project we will provide automated system for managing the following operations of various departments like:

- Admissions
- Student Information
- Fee Management
- Payroll Management
- Student Attendance
- Employee attendance
- Database Backup

**Responsibilities:**

- Involved in demonstrations.
- Involved in discussion for the Business requirement (Client Interaction)
- Involved in analysis, coding, and testing phases.
- Debugging, Integration, Code inspection
- Involved in Functional Designing & Database Designing.

**#9**

**Project Name:** Trust Management System

**Client:** KKN(Kund Kund Nagar, Sonagir(Gwalior) )

**Duration:** August 2009 To March 2010

**Technologies:** C#, MSSQLSERVER 2005

**Abstract:** Our client did the whole work manually and on paper. In this project we will provide automated system for managing the following operations of various departments like:

- Yatri Record
- Student Information
- Fee Management
- Payroll Management
- Aushdalaya Management
- Bhojnalaya Management
- Expense and Income Management
- Store Management etc.

**Responsibilities:**

- Involved in demonstrations.
- Involved in discussion for the Business requirement (Client Interaction)
- Involved in analysis, coding, and testing phases.
- Debugging, Integration, Code inspection

- Involved in Functional Designing & Database Designing.

**#10**

**Project Name:** D-Book Store

**Client:** Laxmi Book Store

**Duration:** March 2009 To July 2009

**Technologies:** C#, Sqlserver 2008

**Abstract:** - Our client did the whole work manually and on paper. In this project we will

Provide automated books management.

**Responsibilities:**

- Involved in SRS.
- Involved in analysis, coding, and testing phases.
- Debugging, Integration, Code inspection
- Involved in Functional Designing & Database Designing.

**#11**

**Project Name:** Hospicare

**Client:** Swati Memorial Trust

**Duration:** Aug 2007 To Jan 2008

**Technologies:** C# (.Net Framework 3.5), SQLSERVER 2005

**Abstract:** - is a computerized management system. This management system has been developed to form whole management system including Employees, Doctors (consultants), Nurses, Patients, Bills, and Complains etc. This system also keeps the records of hardware assets besides software of this organization. The proposed system will keep a track of Employees, Doctors, Patients, Accounts and generation of report regarding the present status. This project has web-based software that will help in storing, updating and retrieving the information through various user-friendly menu-driven modules.

**Responsibilities:**

- Main job is maintenance and some enhancements.
- Development & Testing
- Participate in team briefing/project review meetings.

**Personal Profile**

Father	Mr. Ranveer Prasad Sharma
Date of Birth	08.12.1983
Sex	Male
Marital Status	Married
Nationality	Indian
Languages known	English, Hindi.

**Declaration**

I do here by declare that all the information made above is true to the best of my knowledge.

Place: Gwalior

Date:

**Dinesh Sharma**