

# Faculty Resumes

## Curriculum Vitae



### A. General Information:

1. Name **Dr. Subhash Kumar Sharma**
2. Father's Name Late Shri Pujan Sharma
3. Date Of Birth 05.08.1973
4. Place Of Birth Kushinagar
5. Nationality Indian
6. Marital Status Married

### B. Address:

C-136/44 Arya Nagar, South PO-Sadar  
PS-Kotwali Gorakhpur - 273001, UP  
Mob. No. 09838602473 , 07905248483  
Email id: [sksharma13@yahoo.co.uk](mailto:sksharma13@yahoo.co.uk)

### C. Educational Qualifications

| Name of exam           | Board/Univ.                                      | Subject  | Mark Obtained | Session | %age | Division |
|------------------------|--|--|---------------|---------|------|----------|
| High School            | U.P. Board<br>Allahabad                          | Hindi,Eng,Maths<br>Bio,SocSc,Science                                   | 406/600       | 1989    | 68   | First    |
| Intermediate           | U.P. Board<br>Allahabad                          | Phy,Chem,Maths<br>Eng,Hindi  | 342/500       | 1991    | 68.4 | First    |
| B.Sc.(Maths)           | Gorakhpur<br>University<br>Gorakhpur             | Phy,Chem,Maths   | 1161/1800     | 1994    | 65   | First    |
| M.Sc.<br>(Electronics) | D.D.U.<br>Gorakhpur<br>University,<br>Gorakhpur  | Electronics  | 758/1200      | 1997    | 63.2 | First    |
| Ph.D.<br>(Electronics) | Dr.R.M.L.<br>Avadh<br>University<br>Faizabad, UP | Development of fast<br>Binary Square<br>Rooting &<br>SquaringProcessor |               | 2009    |      | Awarded  |

**D.**

**Teaching Experience : 15 Years**

**Publications**

**: Annexure-1**

: Full Papers Published 35

: Paper Presented in Seminar/Symposia 10

: Attended in Seminar/Symposia:10

**E.**

**Summary of skills:**

- ❖ Over Three Years of Experience as a Network Engineer, Web Administration, QA Testing, Programming and Consulting/Teaching Hardware and Software.
- ❖ Over Two Years of Experience Working in Private Firm as Electronic and Tele Communication Engineer.
- ❖ Over Two Years Experience as a Faculty to teach Computer Science in Private Institutions.
- ❖ Master Degree in Electronics.
- ❖ Diploma in Web Site Administration (PGDA).
- ❖ Ph.D. Degree in Electronics.

**F.**

**Working Experience:**

- ❖ Acted As A Consultant And Faculty For The Following Companies, IIHT(Indian Institute Of Hardware Technology) Gorakhpur, Gyan Peethika Senior Secondary School, Ballia ,UP. L.C.C. Infotech Pvt Ltd., Bareilly, UP., Zedca Computer Academy Centre Rampur, U.P.
- ❖ Consults And Teaches Classes On Computer Architecture, Networking And Programming Language C, C++, JAVA, VB.
- ❖ Networks Computers Using TCP/IP Servers, Database, LAN/MAN/WAN Various Operating Systems Including Windows And Linux Security Administration.
- ❖ Determine Hardware And Software Need Of The Above Companies Setup Infrastructure And Provide Services To Its Customers.
- ❖ Repaired EPABX And KTS, Maintained Communications Systems For The Company And Customers, At "SARAL Communication Pvt.Ltd."
- ❖ Consultants And Serviced Lab Systems Such As Laboratory Instruments, These Systems Involved Electronic Components.

- ❖ Working As a Lecturer in the Department of Electronics, D.D.U.Gorakhpur University, Gorakhpur and taking theory and practical classes in B.Sc.(Electronics) as well as M.Sc.(Electronics) from Session 2004-2005 to Session 2009-2010.
- ❖ Working As a Assistant Professor in the Department of Physics, MGPG College ,Gorakhpur and taking theory and practical classes in BSc as well as MSc from session 2012 to 2017.
- ❖ **Presently Working as Assistant Professor** in the Department of Electronics ,MGPG College ,Gorakhpur from 01 November 2017 to till date and taking theory and practical classes in BSc (Electronics) as well as MSc (Physics).

G.

### **Technical Training:**

|                     |  |
|---------------------|--|
| Operating Systems   | : MS-DOS, Windows95, Windows 9X/Me/NT/XP<br>: Vista, Unix/Linux  |
| Language Known      | : C, C++, JAVA, VB.  |
| Scripting Language  | : HTML, XML, JAVA Script, VBScript.  |
| Assembly Language   | : 8085,8086Microprocessor  |
| Database            | : MSAccess, SQLServer, Oracle  |
| Packages            | : MS-OFFICE-97/2000/XP/2003/2007/2010  |
| Multimedia Software | : Adobe Photoshop, Pagemaker, QuarkXpress<br>: Premier, Illustrator, CorelDraw, SoundForgeXP,<br>: Flash, Dreamweaver, ElesticReality. |
| Scientific Software | : Math Type, MATLAB, Origin, Model Sim   |

### **Networking/Hardware (Component Level)**

Installation, Maintaining and Configuring of the following Windows.

- ❖ Windows9x, WindowsNT, Windows2000, WindowsXP.

- ❖ TCP/IP, DHCP Server
- ❖ Linux

**H.**

### **Project Experience :**

- ❖ Underwent One Week Training Programme on “ PCB Manufacturing” from 14/10/1996 to 19/10/1996 At ESTC (Electronic Service And Training Centre) Kania, Ramnagar Distt. Nainital, UP.
- ❖ Underwent Six Month Project On “Design Of Power Divider/Combiner for C- Band GaAs Power MESFETs” Under The Guidance of Dr.B.R Singh at CEERI Pilani ,Rajasthan During 17/02/1998to 17/08/1998.

### **Reviewer as International Journals**

1. Journal Of Emerging Technology and Innovative Research (JETIR)
2. International Journal of Creative Research Thoughts (IJCRT)

### **Annexure 1**

#### **List of Publications/Research Activities:**

1. S.K.Sharma ,L.K.Singh ,B.S.Rai and Himanshu Pandey,“ Development of Fast Binary Square Rooting Algorithm”,ISSN:0972-6101,Volume-12,Number-02,PP.421-428, **2008**, Journal of Current Sciences (An International Journal Of The Society for Sciences).
2. Subhash Kumar Sharma, L.K.Singh and B.S.Rai, “ Development of new iterative methods for performing Binary Square Rooting rapidly by Utilizing multiplication” , ISSN:0972-6101,Volume-12 ,Noumber-02, PP.499-503, **2008**, Journal of Current Sciences (An International Journal Of The Society for Sciences).

3. Subhash Kumar Sharma, Himanshu Pandey and L.K.Singh, "Hardware Implementation of Binary Square Rooting Algorithm Using SD-Multiplier" ISSN:0972-6306, Volume-08, Number-01, PP.83-90, Mar **2009**, Journal of Rajasthan Academy of physical Sciences.
4. Subhash Kumar Sharma, Himanshu Pandey and Vivek Shukla, "Study On High Speed Arithmetic Arrays", ISSN:0970-5228, Special Volume **2009**, PP.213-222, Issued in December 2009, Journal of National Academy of Mathematics, India.
5. Subhash Kumar Sharma, Himanshu Pandey and Kranti Kirnesh Dubey, "Study On Multiplexer Based Array Multipliers" ISSN:0974-5068, Volume-02, Number-2 PP.443-452, July-Dec, **2009**. International Transaction in Mathematical Sciences and Computers (ITMSC).
6. Subhash Kumar Sharma, Vishal Kumar Srivastava S.N.Shukla and Himanshu Pandey, "Implementation of n-bit Adder and Subtractor of Library Components for Arithmetic Unit", ISSN:0976-5727, Volume-1, Number-1, PP.21-26, Dec-**2009**, Journal of Computer & Mathematical Sciences.
7. Subhash Kumar Sharma, Vishal Kumar Srivastava ,S. N. Shukla and Himanshu Pandey, "Implementation of Conversion Process of Library Components for Floating Point Arithmetic Logic Unit", ISSN:0975-5519 Volume-1, Number-1, PP.117-122, July-December, **2009**, Journal of Physical Science.
8. Subhash Kumar Shrama, Himanshu Pandey and Vishal Kumar Srivastava "Implementation of Different Multipliers Using HDL For Arithmetic Logic Unit", ISSN:0976-5727, Volume-1, Issue-3, PP.328-333, April **2010**, Journal of Computer & Mathematical Sciences, (An International Research Journal).
9. Subhash Kumar Shrama, Vishal Kumar Srivastava, and Himanshu Pandey, "Implementation of IEEE-754 Multiplication and Division for Floating Point Arithmetic Logic Unit ", ISSN:0972-6101, Volume-15, Number-2 PP.497-502 , **2010**, Journal of Current Sciences (An International Journal of the Society for Sciences).
10. Subhash Kumar Shrama, Vishal Kumar Srivastava, and Himanshu Pandey, "Realization of CORDIC and Its Application for Arithmetic Logic Unit", ISSN:0974-7273, Volume-2, Number-1, PP.61-67, **2010**, International Transaction in Applied Sciences.
11. Subhash Kumar Sharma, Manish Mishra and Shikha Srivastava "Mutual Dependency of error with back propagation algorithm while training ANN ", ISSN:0972-6101, Volume-15, Number-1, PP.309-314, June-**2010**, Journal of Current Sciences, ( An International Journal of the Society For Sciences).
12. Subhash Kumar Shrama, Vishal Kumar Srivastava and S.N.Shukla, "Development of Binary to Decimal Conversion of Library Components for IEEE-754 Floating Point Arithmetic Unit", ISSN:0976-5727, Volume-1, Issue-6, PP.636-641, **October-2010**, Journal Of Computer and Mathematical Sciences.

13. Subhash Kumar Sharma, Manish Mishra, P. Bharti and UN Tripathi "N-Point FAST DIT-FFT Processor Using Signed digit number System", ISSN:0974-3588, Volume-3, Issue-2, PP.336-340, **July-Dec, 2010**, International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences.
14. Subhash Kumar Shrama, Vishal Kumar Srivastava and Udai Kumar Jha "Development of Radix-Independent Floating-Point Arithmetic for IEEE-854 Standard", ISSN:0974-7273, Volume-3, Number-3, PP.387-396, **July-Sep, 2011**, International Transactions in Applied Sciences.
15. Subhash Kumar Shrama, Himanshu Pandey, Manish Mishra and Vishal Kumar Srivastava, "Analysis Simulation and Hardware Designing of Digital systems", ISSN:0974-7273, Volume-3, Number-3, PP.381-386, **July-September, 2011**, International Transaction in Applied Sciences.
16. Subhash Kumar Sharma, Himanshu Pandey, Upendra Nath Tripathi and Vishal Kumar Srivastava, "Floating point implementation on FPGA for floating point Arithmetic Logic Unit" ISSN:0976-5727, Volume-2, Issue-2, PP.190-197, **April-2011** Journal of Computer and Mathematical Sciences.
17. Subhash Kumar Shrama, Vishal Kumar Srivastava, S.N. Shukla and Himanshu Pandey, "Implementation of IEEE-754 to Decimal Conversion of Library Components for Floating Point Arithmetic Unit", ISSN:0974-5068, Volume-4, Number-2, PP.157-164, **July-Dec, 2011**, International Transactions in Mathematical Sciences and Computer.
18. Subhash Kumar Shrama, Vishal Kumar Srivastava, and Himanshu Pandey, "Implementation of IEEE-754 Addition and Subtraction for Floating point Arithmetic Logic Unit", ISSN:0974-5068, Volume-3, Number-1, PP.131-140, **2011**, International Transactions in Mathematical Sciences and Computer.
19. Subhash Kumar Shrama, Vishal Kumar Srivastava and S. N. Shukla, "Concepts Of Digital Systems For Square Root", ISSN:0974-7273, Volume-4, Issue-1, PP.51-60, **Jan-March, 2012**, International Transactions in Applied Sciences.
20. Subhash Kumar Shrama, Shailendra Kumar Shahni, Upendra Nath Tripathi and Vinodini Katiyar, "Study of Data Mining as Knowledge Discovery in Databases", ISSN:0974-5068, Volume-5, Issue-2, PP.255-258, **July-Dec 2012**, International Transactions in Applied Sciences.
21. Subhash Kumar Shrama, Shailendra Kumar Shahni, Upendra Nath Tripathi and Vinodini Katiyar, "A Study of Distributed Data Mining With refers to Architecture Classification, association and Cluster", ISSN:0974-7273, Volume-5, Issue-1, PP.91-96, **Jan-March 2013**, International Transactions in Applied Sciences.
22. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "An Interaction with Propagation of Gravitational and Electromagnetic Waves in Plasma", Volume-1, Issue-2, **September-2013**, ISSN:2320-2882, PP.104-115, International Journal of Creative Research Thoughts (IJCRT), UGC

**Approved Journal No.49023(18), Impact Factor: 7.97.**

23. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "An Overview On General Relativity with Collision of Plane Waves", Volume-1, Issue-1, **January 2013**, ISSN:2320-2882, PP.322-330, International Journal of Creative Research Thoughts (IJCRT), **UGC Approved Journal No.49023(18) , Impact Factor: 7.97.**
24. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "An Overview On Gravitational Waves and its Propagation", Volume-2, Issue-2, **May 2014**, ISSN:2320-2882, PP.980-985, International Journal of Creative Research Thoughts (IJCRT), **UGC Approved Journal No.49023(18) , Impact Factor: 7.97.**
25. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "An Overview on Carbon Nanotubes and Graphene for Biosensing Applications", Volume-1, Issue-3, PP.585-592, **July 2014**, ISSN:2349-5138, PP.585-592, International Journal of Research and Analytical Reviews(IJRAR) , **UGC Approved Journal No.43602 and Impact Factor: 5.75.**
26. Subhash Kumar Sharma and Umesh Kumar Gupta, "An Approach to Mathematical Modelling of Mechanical and Electrical Systems and Engineering" Volume-2, Issue-4, PP.52-56, ISSN:2456-1452, International Journal of Statistics and Applied Mathematics, **June 2017**, Peer Reviewed Journal, Refereed Journal , Indexed Journal , **Impact Factor: RJIF 5.34.**
27. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "A Overview On Gravitational Waves and its Application" Volume-4, Issue-1, **January 2017**, ISSN:2349-5138, PP.504-513, International Journal of Research and Analytical Reviews(IJRAR) , **UGC Approved Journal No.43602 and Impact Factor: 5.75.**
28. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "Mathematical Modeling With Fourier Series and Their Application" Volume-5, Issue-1, **March 2018**, ISSN:2349-5138, PP.05-14, International Journal of Research and Analytical Reviews(IJRAR) , **UGC Approved Journal No.43602 and Impact Factor: 5.75.**
29. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "An Approach to Determination of Mathematical Modeling of An electric Power System Using Linear Graph" , Volume-5, Issue-6, **June 2018**, ISSN:2349-5162, PP.640-645, Journal of Emerging Technologies and Innovative Research(JETIR) , **UGC Approved Journal No.43975 and Impact Factor: 7.95.**
30. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "An Overview On Eigen values and Eigenvectors", Volume-6, Issue-2, **April 2018**, ISSN:2320-2882, PP.788-796, International Journal of Creative Research Thoughts (IJCRT), **Impact Factor: 7.97.**
31. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "Unveiling Potential of Bio Battery and its Application" , Volume-6, Issue-4, **April 2019**, ISSN:2349-5162, PP.883-888, Journal of Emerging Technologies and

Innovative Research(JETIR) , ISSN UGC Approved Journal No.43975 and Impact Factor: 7.95.

32. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "A Historical Overview Of IoT(Internet Of Things) and their Application " Volume-6, Issue-2, May 2019, ISSN:2349-5138, PP.812-820, International Journal of Research and Analytical Reviews(IJRAR) , UGC Approved Journal No.43602 and Impact Factor: 5.75.
33. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "Mathematical Modeling of Electrical Systems", Volume-7, Issue-2, April 2019, ISSN:2320-2882, PP.715-721, International Journal of Creative Research Thoughts (IJCRT), Impact Factor: 7.97.
34. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "Square Root Methods and Decimal Floating Point For Arithmetic Logic Unit Through Binary" Volume-7, Issue-1, January 2020 , ISSN:2349-5138, PP.739-747, International Journal of Research and Analytical Reviews(IJRAR) , UGC Approved Journal No.43602 and Impact Factor: 5.75.
35. Subhash Kumar Sharma and Shailendra Kumar Srivastava, "Algorithm Implementation of Square Root Methods For Arithmetic Logic" , Volume-7, Issue-4, April 2020, ISSN:2349-5162, PP.907-913, Journal of Emerging Technologies and Innovative Research(JETIR) , ISSN UGC Approved Journal No.43975 and Impact Factor: 7.95.

### **Paper Presented in Seminar /Symposia/Conferences:**

1. Subhash Kumar Sharma , "Design and Development Of Fast Binary Squaring and Square Rooting Processor". A National Symposium On "Advanced in Material Science" Organized by Department of physics DDU Gorakhpur University, Gorakhpur during 17<sup>th</sup> -19<sup>th</sup> March 2005.
2. Subhash Kumar Sharma "Realization Of Square Rooting Algorithm For SD Based Fast Binary Processor". A National Symposium On "Advanced in Material Science" Organized by Department of physics DDU Gorakhpur University, Gorakhpur during 17<sup>th</sup> -19<sup>th</sup> March 2005.
3. Subhash Kumar Sharma, Himanshu Pandey and Kranti Kirnesh Dubey , " Study On Multiplexer Based Array Multipliers" , National Conference on , " Recent Trends in Pure and Applied Mathematics" ,Gorakhpur (India), July 11-12 ,2009 Organised by Department of Mathematics & Statistics ,DDU University ,Gorakhpur.
4. Subhash Kumar Sharma, Himanshu Pandey and Vivek Shukla , "Study On High Speed Arithmetic Arrays", National Conference on , Recent Trends in Pure and Applied Mathematics" ,Gorakhpur (India), July 11-12 , 2009 , Organized by Department of Mathematics & Statistics ,DDU University ,Gorakhpur.
5. Subhash Kumar Sharma and others, " Development of Radix-Independent Floating-Point Arithmetic for IEEE-854 Standard" National Conference to



- be held on July 24-25 ,2010** Organized by Department of Mathematics & Statistics ,DDU University ,Gorakhpur.
6. Subhash Kumar Sharma and others, “ Realization of CORDIC and Its Application for Arithmetic Logic Unit “ **National Conference to be held on July 24-25 ,2010** Organized by Department of Mathematics & Statistics ,DDU University ,Gorakhpur.
  7. Subhash Kumar Sharma ,Vishal Kumar Srivastava and Sachchida Nand Shukla A UGC Sponsored **two day National Seminar on**“Wireless Communications and Networks” on **24 -25 March 2012**.Proceeding ,PP.1-5,2012,ISBN No.978-81-7880-6037.
  8. Subhash Kumar Sharma, A UGC Sponsored two day **National Seminar on** “Wireless Communication and Networks with Special Emphasis on ADHOC and WSN ” held at School of electronics and communication Engineering, Shri Mata Vaishno Devi University, Katra, Jammu, on 24<sup>th</sup> -25<sup>th</sup> March 2012.“ Energy Consumption Issues in Wireless Sensor Network”.
  9. Subhash Kumar Sharma ,Vishal Kumar Srivastava and Sachchida Nand Shukla, “Development of Library Components for Floating point Processor” on UGC Sponsored **two day National Seminar on** “Wireless Communication and Networks with Special Emphasis on ADHOC and WSN” held at School of electronics and communication Engineering, Shri Mata Vaishno Devi University, Katra, Jammu, on **24<sup>th</sup> -25<sup>th</sup> March 2012** ,Proceeding ,PP.1-5,2012,ISBN No.978-81-7880-6037.
  10. Subhash Kumar Sharma “ Science and Technology for Rural Development” 1<sup>st</sup> **National Seminar On** Science and Innovation 2014 ,Focal Theme: Science for Rural India On **14<sup>th</sup> Feb 2014** in B.R.D.P.G. College Deoria U.P.

### **Attended/Participated in Seminar /Symposia/Conference**

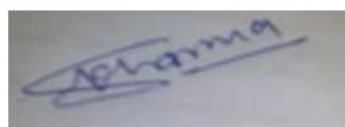
1. Subhash Kumar Sharma Participated in, “Farmer's Awareness Workshop For Production and Use Of Vermicompost ” , Organizing By DDU Gorakhpur University, Gorakhpur at Department Of Zoology, Gorakhpur on **21-December 2014**.
2. Subhash Kumar Sharma Participated in,“Intellectual Property Rights and Its Protection” ,Organizing By Council of Science and Technology ,UP , **On 28 October 2017** at MGPG College , Gorakhpur.
3. Subhash Kumar Sharma Participated in, “Workshop On Current Topics in Physics” ,Organizing By Department Of Physics ,MGPG College Gorakhpur, During **12 -April to 17 -April 2018**.
4. Subhash Kumar Sharma Participated in , “Workshop On Popular Physics” , Organizing By Department Of Physics ,MGPG College Gorakhpur , During , **26 - 29 September 2018**.
5. Subhash Kumar Sharma Participated in , “Workshop On Current Topics in Physics” , Organizing By Department Of Physics ,MGPG College Gorakhpur , During **12-17 April 2018**.

6. Subhash Kumar Sharma Participated in , “Vigyan Shikshan me Takaniki Shabd wali ka Prayog” ,Organizing By Department of higher Education ,Ministry of Human Resource Development During **8- 9 February 2019**.
7. Subhash Kumar Sharma Participated in , “ Digital Daur Me Media Ka Bahu Aayami Swarup” , Organizing University , V.B.S. Purvanchal University, Jaunpur , During **14 - June to 20- June – 2021**.
8. Subhash Kumar Sharma Participated in conference on , “Invention ,Innovation and Start-up under Madhya Pradesh Vigyan Sammelan & Expo(MPVS-2021)” , Jointly Organized by IIT Indore ,MPCST and Vigyan Bharti During **22<sup>nd</sup> – 25<sup>th</sup> December 2021**.
9. Subhash Kumar Sharma Participated in **4<sup>th</sup> International Conference on Science & Engineering of Materials (ICSEM-2021)** Online Conference on **July 19-20, 2021**. Organized By School of Basic Sciences & Research , Department of Physics.
10. Subhash Kumar Sharma Participated in One Day Multi-Disciplinary Online National Seminar on , “Human Rights:Myth &Realty” , Organized By Department of Political Science of Government PG College ,Naraingarh(Ambala), On **October 01, 2021**.
11. Subhash Kumar Sharma Participated in National Level Webinar On , “ Sustainable Development and Gender Sensitization” , on **21<sup>th</sup> September 2021**. Organized By World Bank MPHEQEP & Internal Quality Assurance Cell IQAC Satna , Government PG (Autonomous) College ,Satna(MP).

### **Books /Chapters /Proceedings Published**

1. Subhash Kumar Sharma , author of book Chapter titled “Boolean Algebra and Digital Logics” , of published book entitled “ Research Trends in Mathematics and Statistics (Volume-15)” having **ISBN: 978-93-5570-102-2**.
2. Subhash Kumar Sharma , Participated in, “Wireless Communication and Networks with special emphasis on Adhoc & Sensor Networks” , Proceedings Organized By School of Electronics and Communication Engineering having **ISBN 978-81-7880- 603**

Place: Gorakhpur  
Date: 11/10/2022



Signature  
( Dr Subhash Kumar Sharma )