

Saurabh Singh

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A person with more than 18 years of experience in an NBA-accredited department who is committed, enthusiastic, has a good academic record, good communication, organizational, and interpersonal skills, and is familiar with AICTE/UGC rules and regulations.



Academic Profile

Name of Examination	Board/ University	Subject	Year of Passing	% of Marks	Remarks
S.S.C	MP Board Bhopal	All Subject	1998	72%	
Diploma In Engineering	RGPV Bhopal	EE	2002	69.41%	
B.E.	Pt RSU Raipur	CSE	2005	73.2%	
M.Tech	CSVТУ Bhilai	VLSI Design	2009	71.86%	

Other Course/Certification

- D-link Certified Trainer (DCT) in Switching (DCS-TWS000182) (Valid For 2 Years Only)
- DCS - D-Link Certified Specialist - Wireless v2.0 (DCS-WIR001766) (Valid For 2 Years Only)
- Online Course on “Cyber Security and Its Ten Domains” From University System of Georgia offered through Coursera.

Work Experience

Appointed Lecturer (Adhoc) at Bhilai Institute of Technology, Durg in September 2005, Cleared University Interview in 2006, Appointed as Lecturer (Under Statute-19), and Currently Working as Asst. Professor in the Department of CSE at BIT Durg.

Total Experience:- 18+ Years

Areas of Interest

VLSI, HDL, Computer Architecture, Embedded Sys., Microprocessor and Microcontroller, Computer H/W Design and simulation.

Books / Patents

Koteshwara Rao Vaddempudi, Ch.Ravi Kumar, **Saurabh Singh ***, (Ed. First, 2021). Book Title “Cyber Security Awareness Opportunities Challenges & Issues”, INSC International Publisher, ISBN: 978-1-68576-107-3 (Book)

Koshariya, A. K., Joseph,S.G.,Shrivastava,A.,Rout,S.,**Singh,S.*** et.al (2021) “Smart Organic Led Farming System Based On Artificial Intelligence And Machine Learning Model”, [Govt. of India, File No. **202111048978 A**]. Indian Patents.

International / National Journals

S Saurabh, S Sunita “Hardware Security Model With Vedic Multiplier Based ECC Algorithm On High-Performance FPGA Device” ICTACT Journal on Microelectronics 8 (1), 1283-1287, 2022. **[UGC Care]**

S Saurabh, S Sunita “Effect Of Adder Circuits Over Multiplier Design Based On Vedic Mathematics” ICTACT Journal on Microelectronics 7 (4), 1256-1259, 2022.**[UGC Care]**

R. K. Patel, S. Singh ,K. Sinha, “Novel Technique for Link Recovery in Mobile,” International Journal of Computer Sciences and Engineering, vol. 6, no. 8, pp. 592-595, August, 2018. **[Old UGC Sn. 63193]**

S. Singh, R. Kumar, R. Tamrakar, “A Survey and Comparative Study of Normal Gate and Reversible Gate Implementation of Digital Multiplier based on Ancient Indian Mathematics, IOSR Journal of Engineering, vol. 8, no. 8, pp. 18-24, August, 2018. **[Old UGC Sn. 48995]**

R.K.Patel, K.Sinha, S.Singh , “LITRATURE SURVEY onEnergy Aware AODV Protocol,” International Journal of Advanced in Management, Technology and Engineering Sciences vol. 8, no. III, pp. 277-283, March, 2018. **[Old UGC Sn. 45550]**

Mrs Laxmi Nanhoriya, Mrs Babita Verma , Saurabh Singh “VLSI Architecture and FPGA Implementation of ICE Encryption Algorithm” International Journal of Information Technology and Knowledge Management , Vol.-3, No.1, June - 2010, pp.115-119

Mrs Laxmi Nanhoriya, Mrs Babita Verma , Saurabh Singh “Private-Key block ciphers (VLSI architecture & VHDL implementation)” International Journal on Computer Engineering and Information Technology , Vol.17, No. 22, 2010

International / National Conferences

Saurabh Singh, Sunita Soni, “Report on Cryptographic Hardware Design using Vedic Mathematics”, 2021 International Conference on Technological Advancements and Innovations (ICTAI), 659-664, IEEE, (**Scopus Indexed**)

Workshops / Seminars / Short Term Course

S.No.	Orientation/Refresher/Sttp/SDP/FDP/Workshop	Place	Duration	Organized/Sponsoring Agency
1	FDP On “Machine Learning and Predictive Analysis using Python”	Online	20/11/2023 to 24/11/2023	NITTR, Chandigarh
2	FDP on Research Methodology	Online	11/09/2023 to 15/09/2023	College of Professional Studies, Ambikapur
3	FDP on Online UHV Refresher 1	Online	23/08/2021 to 27/08/2021	AICTE
4	FDP on Inculcating Universal Human Values in Technical Education	Online	08/02/2021 to 12/02/2021	AICTE
5	Wireless Sensor Networks	BIT Durg	11-03-2019	CSVТУ, TEQIP-III
6	Appreciating Stitch-In-Time Approach Using Outcome Based Education	BIT Durg	08/03/2019 to 09/03/2019	CSVТУ, TEQIP-III
7	Induction Training Programme Phase-I	CSIT Durg	01/01/2018 to 12/01/2018	NITTTR Bhopal
8	Assembly Programming Through Arduino	BIT Durg	03-08-2017	IIT Hyderabad Teaching Learning Centre
9	Scientific Paper Writing	BIT Durg	15 th Oct 2016	BIT Durg
10	Digital Design Through Arduino	Bit Durg	10 th Sep. 2016	IIT Hyderabad Teaching Learning Centre
11	Intel IOT Camp	BIT Durg	14 th Dec. 15 to 15 th Dec. 15	Chips Raipur
12	Short Term Course on FPGA Prototyping using Verilog	IIT Kharagpur	25th June to 30th June 2012	AICTE
13	Two Day Workshop on Open Source Software	Bhilai	07-08 Dec. 2010	BIT Durg

14	Two Day Workshop on VLSI Technology and Its Applications	Bhilai	27-28 Dec. 2010	BIT Durg
15	Faculty Development Programme by Chhattisgarh Industrial and Technical Consultancy Centre	Bhilai	04th Jan. to 16th Jan. 2010	DST, Ministry of Sc and Tech., GOI
16	Staff Development Programme on Advances in Web Technologies and Data Mining	CSIT Durg	13th April to 25th April 2009	AICTE
17	Staff Development Programme on Advanced Software Engineering Techniques and Their Applications	NIT Rourkela	8th June to 21st June 2009	AICTE
18	STTP on Formal Language & Automata Theory	BIT Durg	13-Mar-09	BIT Durg
19	Two Day National Seminar on Emerging Trends in Engineering Education	Bhopal	09-10 Dec. 2007	GGITM, Bhopal and IE (I) MP State Centre

Invited Talks/ Guest Lectures

Expert talk on Cyber Security at annual training camp of NCC at Durg, Dec. 04, 2021

Membership of Professional Bodies

Life Member of The Indian Society For Technical Education (**ISTE, LM58392**)

Editor/Reviewer

Associate Editor, Graduate Research in Engineering and Technology (GRET) , ISSN 2320 – 6632

Other Information

Sn.	Particulars
1	Care Taker of NCC, BIT Durg (3 CG Air SQN NCC Raipur) for one year
2	Experience in University Examination (Paper setting/valuation/Exam duty/Practical Examination/Control room duty) of CSVUT Bhilai, Pt.RSU Raipur, GGU Bilaspur, Surguja University Ambikapur, Bastar University Jagdalpur
3	NSS “B” Certificate
4	NCC “A” Certificate with “A” Grade and sergeant rank
5	Member of sports committee BIT Durg
6	Member of Proctorial Board,BIT Durg (For 2 years)
7	Member of Student Union, BIT Durg
8	In Charge of Sessional Marks , Faculty Association and Discipline committee (at Department Level)
9	In Charge of Major/Minor project (at Department Level)

10	Organized NSS Camp , Mohalai Distt. Durg (2010)
11	Member of Anti Ragging Vigilance Team at BIT Durg
12	Member of Organizing team of CG youth Festival 2009 , at Science college ground Raipur
13	Co-coordinator of Continuing Education Program for Computer Fundamental (2009)
14	Accompany the students for participating in sports event (Spardha 2010, IT-BHU Varanasi)
15	Member of organizing committee of BIT Uday 08 (Technical and Cultural Program)
16	Active Participation in silver Jubilee Carnival 2011
17	Participation in training program conducted by Red Ribbon Express (HIV/AIDS Awareness Program)
18	Participation in National level NCC camp (NIC) (1997)
19	Attended Vocational Training at Power Generation Training Institute , CSEB Korba(2002)
20	Participated in Annual Function of Govt. Poly.Ambikapur and secure first position (2002)
21	Participated in Various cultural program on NSS day and secure first position (2001)
22	Participation in State level Science Fair (Rewa, 98-99)
23	Participation in Annual Training camp (NCC) (1996)
24	Participation in State level Environmental Fair (Jabalpur 96-97)
25	Participation in scout/guide camp (1995)

Personal Information

Name: - Saurabh Singh

Mother Name: - Smt. Bhanumati Singh

Father Name: - Late Shri Gautam Singh Gaharwar

Spouse Name: - Smt. Sheetal Singh

DoB:- 7-Apr-1983

Addr. (Office):- Department of CSE, BIT Durg Chhattisgarh

Addr.(Home):- D702 Royal City, Potia Road, Borsi, Durg, 491001

Addr.(Permanent):- S/O Late Shri Gautam Singh Gaharwar, Opposite of CBI Main Branch,
Vijay Marg, Gurunanak Ward, Ambikapur,
Surguja, Chhattisgarh,497001



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