

Personal Information:

Name : Rakesh Singh Sambyal
Father's Name : Sh. Gulcharan Singh Sambyal
Date of Birth : 16-12-1985
Sex : Male.
Marital Status : Married.
Nationality : Indian.
Address : Ward No.: 16,
Mandi Pashwalian,
Teh. & P.O. : Samba,
Distt : Samba,
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Email Address : rssambyal@bgsbu.ac.in, sambyal.rakesh7@gmail.com
Contact Number : 01923-246248 (L), 09419172012 (M)
Languages Known: English, Hindi, Dogri and Punjabi.

**Education:**

- **Matriculation** from Co-operative Model High School, Samba (J&K Board) in 2001.
- **Senior Secondary** from Govt. Hr. Sec. School, Samba (J&K Board) in 2003.
- **B.E. in Information Technology** from **Jammu University** (J&K) in 2007.
- **M.Tech. in Computer Science and Engineering** from **National Institute of Technology**, Hamirpur (H.P) in 2009.

Teaching Experience:**Assistant Professor (AGP 7000)**

September, 2015 to Till Date

Deptt of ITE, SOET, BGSB University, Rajouri, J&K, India.

Assistant Professor (AGP 6000)

September, 2010 to September, 2015

Deptt of ITE, SOET, BGSB University, Rajouri, J&K, India.

Courses Taught

- Theory of Automata
- Database Management System
- Distributed Database Systems
- Design and Analysis of Algorithms
- Object Oriented Programming
- Distributed Computing
- Computer Fundamentals

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Administrative Experience and Activities:

1. University Nodal Officer, All India Survey of Higher Education (AISHE), BGSBU.
2. Deputy Proctor, BGSBU.
3. Co-Nodal Officer (Finance), TEQIP-III, BGSBU.
4. Convener, Alfresco Fiesta 2K19, two day fest on 26-27 September, 2019.
5. Coordinator, “Jal Shakti Abhiyan” under Swachhta Pakhwada 2019 from 1st Sept to 15th Sept, 2019.
6. Coordinator of One week Workshop on Machine Learning: Tools & Techniques” organized by Department of ITE & CSE, SoET, BGSBU in collaboration with ZHCET, AMU from 31th Oct to 4th Nov, 2018.
7. Convener, Alfresco Fiesta 2K18, two day fest on 14-15 September, 2018.
8. Co-convener, National Conference on Recent Advances in Computer Science and Information Technology, NCRACIT 2018 organized by Department of ITE, SoET, BGSBU on 24-25 April, 2018.
9. Member, Survey Committee for procurement of various security & surveillance related items, 2018.
10. Member, Organizing Committee for Induction workshop for 2018 batch, 1 August to 18 August, 2018.
11. Member, Technical committee to analyze and shortlist tenders/bids/service providers regarding Wi-Fi and UTM in University campus & Annual Maintenance Contract (AMC) of the University LAN.
12. Incharge Coordinator, Examination, Department of ITE, 2018.
13. Faculty Mentor, Department of ITE, SOET, BGSBU, 2017 and 2018.
14. Member, Organizing Committee for Induction program for 2017 batch, 2017.
15. Member, Admission Committee for B.Tech, 2016.
16. Member, Selection Committee for various University teams, 2015-16
17. Member, Audit Committee for ECE laboratories, 2014-15.
18. Member, Organizing Committee of Workshop on “RFID and Microcontroller Based Pervasive computing” organized by Department of ITE, COET, BGSBU from 22/4/2013 to 26/4/2013.
19. Member, Selection Committee for University’s FOOTBALL team, 2013-14.
20. Member, Reception Committee, First Convocation, 2012
21. Member, Inspection team for B.Tech. Entrance exam at Srinagar on June, 2012.
22. Member, College Proctorial board, COET, 2011-12.
23. Member, Anti Ragging Squad (COET), 2010-11.
24. Coordinator, Library, Department of ITE, 2010 to till date.
25. Member of Management and Technical Support team of organizing committee of CSP-50 sponsored by TEQIP and organized by CSE Department, NIT Hamirpur during 2-25 May, 2008.

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Activities (Trainings/Workshops) Organized/Attended:

- 1) Successfully Completed 8 week NPTEL MOOC Course (February-April 2019) on “Database Management System” conducted by IIT, Kharagpur with Elite + Gold Certificate.
- 2) Participated in one week STC on “Internet of Things through ICT” conducted by Department of CSE, National Institute of Teachers Training and Research (NITTTR) at BGSBU from 06/08/2018 to 10/08/2018.
- 3) Participated in one week STC on “Science & Technology for Sustainable Development through ICT” conducted by Department of EE, National Institute of Teachers Training and Research (NITTTR) at BGSBU from 04/02/2019 to 08/02/2019.
- 4) Participated in one week workshop on “Machine Learning Tools & Techniques” organized by Department of ITE & CSE, SOET, BGSBU in collaboration with Aligarh Muslim University from 31/10/2018 to 04/11/2018.
- 5) Participated in one week workshop on “Problem Solving & Programming Skills Enhancement” organized by Department of ITE & CSE, SOET, BGSBU in collaboration with deptt of Computer Engineering AMU, Aligarh from 15/10/2018 to 20/10/2018.
- 6) Participated in Five day TEQIP-III Summer Training program on Active Learning workshop under the ‘Knowledge Incubation under TEQIP’ (KITE) on the theme “Pedagogy & Research” conducted in IIT, Bombay from 11/06/2018 to 15/06/2018.
- 7) Participated in regional workshop on “All India survey of Higher Education (AISHE) 2017-18” at ICSSR Complex, Punjab University, Chandigarh on 8 June 2018.
- 8) Participated in two day workshop on “Outcome Based Education (OBE)” at SOET, BGSBU on 19-20 march, 2018 under TEQIP-III.
- 9) Participated in one week STC on “NS2/3 Simulator” conducted by Department of CSE, National Institute of Teachers Training and Research (NITTTR) at NITTTR Chandigarh from 12/03/2018 to 16/03/2018.
- 10) Participated in AICTE recognized STC on “ MATLAB and Lab view with its hardware interface through ICT” conducted by Electrical Engineering Department, National Institute of Teachers Training and Research(NITTTR) Chandigarh at BGSB University from 29/01/2018 to 02/02/2018.
- 11) Participated in AICTE recognized STC on “ Power quality monitoring and analysis through ICT” conducted by Electrical Engineering Department, National Institute of Teachers Training and Research(NITTTR) at BGSB University from 30/10/2017 to 03/11/2017
- 12) Participated in one month training program on “Computer Hardware & Networking” at Department of ITE, SOET, BGSBU from 13/09/2017 to 13/10/2017.
- 13) Participated in training workshop for faculty mentors on “Induction program” conducted by NPIU, MHRD, New Delhi organized by PEC University of Technology, Chandigarh from 22/09/2017 to 24/09/2017.
- 14) Participated in AICTE recognized STC on “SCILAB programming through ICT” conducted by CSE Department, National Institute of Teachers Training and Research(NITTTR) Chandigarh at BGSB University from 21/08/2017 to 25/08/2017.

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- 15) Participated in one week workshop on “Basics of MATLAB programming & Simulink” organized by Department of ERE & CSE, SOET, BGSBU from 15/11/2016 to 19/11/2016.
- 16) Participated in 8 day workshop on “C programming” organized by Department Mathematical Sciences, BGSBU from 01/04/2016 to 09/04/2016.
- 17) Participated in 8 day National workshop on “Linux Administration & Open source Application Software” organized by PG Department Computer Sciences, BGSBU from 11/03/2016 to 18/03/2016.
- 18) Participated in two day seminar on “Advances in Electrical engineering” organized by Department of ERE, SOET, BGSBU on 5-6 April, 2016.
- 19) Participated in Refresher Course (Comp. Sc., Statistics, Math) from 08-12-2015 to 29-12-2015(21 days) organized by UGC HRDC, University of Jammu.
- 20) Participated in Orientation course at ASC of Jammu University, 26th Dec. 2013 to 24th Jan. 2014.
- 21) Participated in Workshop on “Android App Development” conducted by Technophilia System at BGSBU, 27-29th March 2014.
- 22) Participated in one week STC on “Linux Administration” organized by National Institute of Teachers Training and Research(NITTTR), Chandigarh at Govt Polytechnic Woman, Jammu (29/04/2013 to 03/05/2013).
- 23) Participated in workshop on “RFID & Microcontroller based Pervasive Computing” conducted at COET, BGSBU from 22 April to 26 April, 2013.
- 24) Participated in one day seminar on Role of Mathematics to Science and Technology Organized by Department of Mathematics, BGSBU (29-09-2012).
- 25) Participated in the seminar on “Network Security” organized by Department of ITE, CoET (03-09-2012)
- 26) Participated in one week STC on “Computer networking with CISCO Technology” organized by Department of CSE, National Institute of Teachers Training and Research(NITTTR) at NITTTR Chandigarh, 16-01-2012 to 20-01-2012.
- 27) Participated in National Symposium on “Nanomaterials Design: Bridging Nanolength Scale” (NSNMD-2007) organized by Advanced Material Science Research Center, NIT Hamirpur on 17 Nov, 2007.
- 28) Participated in International Workshop entitled “Identifying Competent International Marketing Strategies for Indian Defence Systems” held at NIT Hamirpur on 15-16 April, 2010.

Other Achievements : **1. GATE Qualified (All India Rank 680)**
2. CISCO Certified Network Associate (CCNA)

Publications:

National Conferences

- 1) **ETIECE’ 2017** → **Rakesh Singh Sambyal**, “Energy Efficiency in Cloud Computing: A survey & analysis” National conference on Emerging trends and Innovation in

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Electronics and Communication Engineering, organized by Department of ECE, SoET, BGSBU, Rajouri, 26-27 August, 2017.

- 2) **ETCC' 2008** → Judhistir Mahapatro, **Rakesh Singh Sambyal** and Nitin Gupta "Base Station–Aided Cluster Based Approach to Routing in Wireless Sensor Networks Using Directional Antennas" National Conference on Emerging Trends in Computing & Communication, ETCC'08, National Institute Of Technology, Hamirpur, Dec. 2008, pp. 261-264.
- 3) **MMPITT' 2008** → Manish Kumar, **Rakesh Singh Sambyal**, Devendra Kumar Jain and Siddhartha Chauhan "Time Synchronization in Sensor Networks: A Survey" National conference on Modern management Practices & information technology trends, MMPITT'08, DAV Institute of Engineering & Technology(DAVIET), Jalandhar, April 17-18, 2008, pp. 611-617.

International Conferences

- 1) **SRIJAN' 2010** → **Rakesh Singh Sambyal**, Asheesh Dogra and Pradeep Singh "Optimizing QoS by Mobility Prediction in Mobile Ad-Hoc Networks" Second International conference on Innovative Practices in Management & Information Technology for Excellence, organized by Maharaja Agrasen Institute of Management & Technology, Jagadhri, Haryana, India, May 8, 2010.
- 2) **WECON' 2009** → **Rakesh Singh Sambyal**, Judhistir Mahapatro, Nittin Gupta and Asheesh Dogra "QoS Provisioned Model for WiMAX" Second International conference on Wireless Networks and Embedded Systems, WECON'09, Jointly Organized by the Department of Electronics and Communication Engineering, Chitkara University and George Brown College, Canada at Chitkara Institute of Engineering and Technology, Rajpura, Punjab, India, Oct. 23-24, 2009, vol. 2, pp. 19-24.
- 3) **ICEMC' 2009** → Judhistir Mahapatro, **Rakesh Singh Sambyal** and Nitin Gupta "Energy Efficient Base Station – Assisted Cluster Based Approach to Routing in Wireless Sensor Networks Using Directional Antenna" Fourth Innovative Conference on Embedded Systems, Mobile Communication and Computing, ICEMC'09, PES School of Engineering, Hosur Road, Bangalore, India, July 27-29, 2009, pp. 14-18.

International Journals

- 1) **Rakesh Singh Sambyal**, Tanzeela Javid, Abhinav Bansal, "Performance Analysis of Data Mining Classification Algorithms to Predict Diabetes", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 4 Issue 1, pp. 56-63, March-April 2018.

URL : <http://ijsrcseit.com/CSEIT411809>

Impact Factor = 4.032

- 2) Aditya Gupta, Prabal Verma, **Rakesh Singh Sambyal**, "An Overview of MANET : Features, Challenges and Applications", International Journal of Scientific Research

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in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 4 Issue 1, pp. 122-126, March-April 2018.

URL : <http://ijsrcseit.com/CSEIT411820> Impact Factor = 4.032

- 3) Aditya Gupta, Prabal Verma, **Rakesh Singh Sambyal**, "A Comparison of Different Data Hiding Techniques", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 4 Issue 1, pp. 183-188, March-April 2018.

URL : <http://ijsrcseit.com/CSEIT411831> Impact Factor = 4.032

- 4) Prabal Verma, Aditya Gupta, **Rakesh Singh Sambyal**, "Security Issues and Challenges in Cloud Computing: A Review", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 4 Issue 1, pp. 189-196, March-April 2018.

URL : <http://ijsrcseit.com/CSEIT411832> Impact Factor = 4.032

Member of Professional Bodies:

- Global member of Internet Society(ISOC) since February 2011(Internet Society Member ID: 55082). Currently a member of the India Delhi chapter.

Extra-Curricular activities:

Sports Achievements:

- 1) Represented State in "All India T-20 Cricket Championship 2009" held at Bareilly U.P. from 20th to 22nd Dec 2009.
- 2) Represented State in "4th Senior National Super Cricket Championship 2010" held at Goa from 16th to 18th Jan 2010.
- 3) Represented District in "T-20 Cricket Championship" organized by State Youth Sports Ministry, Dec 2009.
- 4) Captain of NIT Hamirpur Cricket team that got 2nd position in EDUSA' 2009 held at PEC, Chandigarh.
- 5) Captain of NIT Hamirpur Volleyball team which was 2nd runner up at MST' 09, MNIT Jaipur.
- 6) Member of NIT Hamirpur football team that won EDUSA 2008.

Dated: 28/11/2019

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