Personal Details :

Name :   Dr. Simmi Dutta

Date of Birth : 15th December 1972

Designation: Associate Professor and Head of the Computer Engg. Department,
Government College of Engineering & Technology, Jammu.

Academic Qualifications:

Ph. D. in Computer Science and Information Technology Titled "Modelling And Simulation of Local Area Wireless Channels For WLAN Performance Analysis".

M.E. (Computer Technology and Applications) from Delhi College of Engineering, Delhi (Delhi University 2003-2005 with high First class).

B.E. (Computers) from Pravara Engineering college, Loni.(Pune University 1990-94 with high first class).

Work Experience:

Total Teaching experience at Undergraduate level (B.E.) : over 24 years.

- Working as Associate Professor and Head of the Computer Engineering Department, Govt. college of Engg. & Technology Jammu, since September 2007 till date.
- Joined the Computer Engineering Department as Permanent lecturer on16th January 2001 till 27th September 2007.
- Worked as Academic arrangement lecturer in Computer Engg. Deptt from 3rd April 1995 till 15th January 2001.

Short Term Courses / Workshops Attended:

- Coordinated and Participated in a three day Workshop(Short Term Skill Course) on"3D Modeling and Printing" from 16 th- 18th August 2018 under Twining Arrangement with UIET Chandigarh at GCET, Jammu.

- Successfully completed a one week Short Term Course on" Renewable and Clean Energy Technologies through ICT" by NITTTR Chandigarh from 13th November 2017 to 17th November 2017, at Govt. Polytechnic College, Jammu.

- Coordinated and Participated in a three day Workshop on" Android Application Development" from 28 th- 30th April 2016 by GEEKS LAB Technologies in association with VORTEX EES , IIT Delhi held at GCET, Jammu.

- Successfully completed a one week Short Term Course on" Soft Computing" by NITTTR Chandigarh from 19th march to 23 March, 2012 at GCET Jammu.

- Participated in one day workshop on "National Vocational Education Qualification Framework in Jammu & Kashmir" on December 17, 2011 at University of Jammu, organized by AICTE in collaboration with Department of Higher Education , J&K Govt.

- Participated in one week IETE Workshop on Matlab Applications from 2nd to 7th April, 2011 held at Department of Computer Science and IT, University of Jammu.

- Successfully completed a two week Faculty Development Programme on Entrepreneurship from 8th Jan to 21st January, 2011 sponsored by the national Science & Technology Entrepreneurship Development Board, DST, Govt. of India.

- Successfully completed a one week Short Term Course on" ANN & Fuzzy Logic" Conducted by NITTTR Chandigarh at GCET, Jammu from 25th feb. to 29th February 2008.

- Successfully completed a Short Term Course on "creativity & innovation development in Teachers and Students" at NITTTR Chandigarh from 5th June to 9th June 2006.

Expert Lectures delivered:

Delivered expert lectures on latest topics in Computer Engineering like Software Engineering, Internet Technology and Computer Applications in Refresher Courses organized by the MCA Dept. University of Jammu and MIET , YCET.

Other Qualifications:

a) Member Board of Studies in the fields of Computer Engineering and Information Technology since 2007 till date.

b) Expert for conducting , M.E. as well as B.E. final Project / Thesis evaluation at SMVDU, Katra.

c) Member DSRC of Department of Computer Science and Engineering SMVDU Katra .

d) Nodal Officer Academics under TEQIP-III

e) Associate Editor of Journal of Architecture and Engineering Sciences since April 2018.

f) Convenor Alumni Cell GCET since January 2018

g) Convenor of Internal Complaint Committee since 2016

h) Convenor of College Literary Committee Since 2014.

i) Convenor of Grievance Redressal Cell , GCET since 2013.

j) Member of other college related curricular and co-curricular activity committees like Disciplinary, Fianancial Aid etc.

k) Lending my services as an expert for recruitment to various Technical institutes and Government Bodies.

l) Member of College Training and Placement cell from 2006 till 2010.

m) Functioned as the coordinator of IGNOU study centre for CIC, BCA as well as MCA Courses in the Government college of Engineering and Technology till 2009.

n) The Department is Offering Consultancy services to various Government and Semi government Agencies under my leadership.

LIST OF PUBLICATIONS IN NATIONAL AND INTERNATIONAL JOURNALS

1. Simmi Dutta, Dr. Devanand, "THE LAN – Wireless LAN Technology at large", PCTE Journal of Computer Sciences, Vol. 5, Issue No.2, July – December 2008.
(ISSN 0973-40)

2. Simmi Dutta, Dr. Devanand, "MODELLING WLAN SYSTEM FOR PERFORMANCE ANALYSIS IN OPERATIONAL ENVIRONMENT", International Journal on Computer Engineering and Information Technology (IJCEIT),Volume 03, No. 4,March-May 2009.(ISSN 0974-2034) Of Scientific Engineering And Research Corporation (SERC).pp112-120

3. Simmi Dutta,Dr. Devanand," Performance Evaluation Simulation of IEEE 802.11a OFDM Using Indoor Environment Channel Models", In the IETE Journal of Research Volume 57,No.1 in Jan-Feb 2011 issue .pp 64-70

4. Simmi Dutta, Jyoti Mahajan "Modelling and Simulation of Local Area Wireless Channels for WLAN Performance Analysis" in the international Journal of Engineering, Computer Science and Technology (IJECST) 2012,V0102,15-24 ISSN: 2277-9337.

5. Simmi Dutta, Deepshikha Jamwal," E-Learning for capacity building of rural masses(especially women) with J&K perspectives" in the international journal of Advances in Electronics and Electrical Engineering (IJAEEE) ISSN : 2319-1112 / V1N1 – 24-29.

6. Jyoti Mahajan, Simmi Dutta,"COREAN: A proposed Model for Predicting Effort Estimation having Reuse" in the International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-2, Issue-6, January 2013.

7. Simmi Dutta, Shruti, Haneet Kour, Chandani Bhagat, " Digital Document Archiving System with Optical Character Recognition" in the International Journal of Innovative

Research in Electrical, Electronics,Instrumentation and Control Engineering (IJIREEICE) ISSN: 2321-2004, Volume 1, Issue 2, May 2013.pp 41-43

8. Dr.Simmi Dutta, Kameshwar Sharma,Naman Gupta, Tenzen Lovedon Bodh, "Li-Fi (Light Fidelity)- A New Paradigm in Wireless Communication" in the International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) ISSN: (Online): 2320-9801, Vol. 1, Issue 8, October 2013.pp 1654-1658.

9. Simmi Dutta, Irshad Ahmed Bhat,Syed Muzzamil Ahmad, Nazir Ahmad Bhat; "MEDIMATTER A Mobile Web Based Medical Search" in Global Journal of Advanced Engineering Technologies (GJAET) ; ISSN 2277-6370, Vol 3,Issue 2 -2014 . Pp 138-142

10. Simmi Dutta, Kameshwar Sharma, Naman Gupta, Mohit Samyal ; "A fully Automated Fire Fighting Robot" in Global Journal of Advanced Engineering Technologies (GJAET) ; ISSN 2277-6370, Vol 3,Issue 2 -2014 . Pp 152-155

11. Simmi Dutta, Sarang Sharma,Mehak Mahajan , Anuj Sharma;"Integer Wavelet transform algorithm using lifting Scheme"in the International Journal of Software and Web Sciences(IJSWS); ISSN(Print): 2279-0063 ; ISSN (online): 2279-0071,Issue 12, Vol. 1; Pp 97-101

12. Simmi Dutta, Hiteshwar;" Time Series Forecasting of Bandwidth Requirements of GCET Campus" in the International Journal of Scientific and Technical Advancements ISSN : 2454-1532 NCEEITET-2015 on Emerging & Innovative Trends in Engineering Technology,15-16 September 2015.pp 253-254

13. Simmi Dutta, Hiteshwar; Abhimanyu Dev Jamwal; Azhar ud din Guroo;" Heart Rate Detection Using Independent Component Analysis and Multivariate Adaptive Regression Splines" in the Imperial Journal of Interdisciplinary Research (IJIR) ISSN : 2454-1362, Vol-2, Issue-10,2016. Pp 174-176

14. Simmi Dutta, Anmol Duggal Ankush Jasathia, Rohit Sharma; "Road Accidents Awareness Portal using Google Maps API" in the International Journal Of Science Technology & Engineering(IJSTE) ISSN(online) : 2349-784X, Vol : 4, Issue:1, july 2017. Pp184-186

15. Heena Gupta, Simmi Dutta, Sidhant Sharma;"Effect of CBR and VBR traffic on SVC Streaming over Wireless Networks" in the International Journal of Scientific and Technical Advancements (IJSTA) ISSN: 2454-1532, Volume 4, Issue 1, Pp. 89-92, 2018.

16. Simmi Dutta, Ashwarya Koul, Avleen Kapoor,Äccess to live images from Digital Microscope using OwnCloud on Raspberry PI "in the International Journal of Creative Research Thoughts (IJCRT) ISSN: 2320-2882, Volume 6 , Issue 2, April, 2018.

17. Simmi Dutta, Monika Abrol, Arjun Kapoor, Karamjeet Singh, Rahul Kumar "Anti - Theft Vehicle Device" in the International Journal of Trend in Scientific Research and Development (IJTRD) ISSN: 2456-6470, Volume-2, Issue 4, June 2018.

PUBLICATIONS IN PROCEEDINGS OF NATIONAL CONFERENCES

1. Published research paper titled," Design and Development of a Workflow Management system", in the proceedings of the National Conference on Next Generation Computing and information Systems, MIET, 12-13th May 2007.

2. Published research paper titled," LAN- wireless LAN Technology", in the proceedings of the 3rd JK science Congress, Feb 2008.

3. Published research paper Titled, "LAN - WiFi – Then and Now", in the National conference on Mobile Computing, BSGB University, Rajouri, December 2008.

4. Published research paper titled," Next Generation WLAN's: A Technology Overview", in the proceedings of the National Conference on Next Generation Computing and information Systems, MIET, 14-15th Feb 2009.

5. Published research paper titled," Performance Evaluation Simulation of IEEE 802.11a OFDM Using Indoor Environment Channel Models", in the proceedings of the 5th JK Science Congress , Feb 2010.

6. Published research paper titled," Security Issues of Software Development", in the proceedings of the International Conference on Technology and Information Systems, Amritsar,Nov.2010.

7. Published research paper titled," Biometric as a Security Aspect", in the proceedings of National Conference on Next Generation Computing and information Systems, MIET, 18-19th Dec. 2010.

8. Published Paper titled," Pixie Dust – An AFC Technology", in the proceedings of National Conference on Emerging Trends in Information Technology at Indore, Feb 24-25, 2011.

9. Published Paper titled," The Emerging Trend of Virtualization", in the proceedings of National Conference on Emerging Trends in Information Technology at Indore , Feb 24-25, 2011.

10. Published Paper Titled" Botnet Based Encrypted File Storage System" in the proceedings of National Conference NCEEITET-2014 on Emerging & Innovative Trends in Engineering Technology,9-10 January,2015.

11. Published Paper Titled" Time Series Forecasting of Bandwidth Requirements of GCET Campus" in the proceedings of National Conference NCEEITET-2015 on Emerging & Innovative Trends in Engineering Technology,15-16 September 2015.

12. Published Paper Titled" INR Strength Prediction Using SVM and MARS" in the proceedings of National Conference NCEEITET-2016 on Emerging & Innovative Trends in Engineering Technology, 11-12 November 2016.

13. Published Paper Titled" Artificial Intelligence : The Future of Automation" in the proceedings of 6th National Conference (NCEEITET) on Emerging & Innovative Trends in Engineering Technology, 15-16 March 2019.