

JYOTI MAINI
Assistant Professor
Department of Information Technology
GGSDS COLLEGE, Chandigarh
India -160030
jyoti.maini@ggdsd.ac.in
jyotihanda9@gmail.com
DOB: 29th March 1982



Educational Qualifications

Pursuing Ph.D. in Computer Science & Engineering

Chitkara University Institute of Engineering and Technology,
Chitkara University, Punjab-140401. (Aug 2022-till date)

M.Tech (IT) - Department of Computer Science & Engineering, Guru
Nanak Dev University, Amritsar, 143001. (2005-2007)

M.Sc. (Computer Science) - Department of Computer Science,
Khalsa College, Amritsar, 143001. (2003-2005)

Bachelor of Science (with Economics, Mathematics, CSc)
Khalsa College, Amritsar, 143001. (2000-2003)

Teaching/Research Experience

- 18 July 2013 - till date
Assistant Professor in Department of Information Technology,
GGSDS College, Chandigarh, affiliated to Panjab University,
Chandigarh.

Taught Data Structures, C Programming, C++, Computer
Graphics, Computer Organization, Computer Oriented
Numerical Methods, DBMS at Graduate Level.

Taught Data Networks, Web Designing, PHP, Algorithm and
Design, Theory of Computation at Post- Graduation Level.

- 15 July 2011- 28 Feb 2012
Assistant Professor in Department of Computer Science, DAV
College, Chandigarh, affiliated to Panjab University,
Chandigarh.

Taught Data Structures, C Programming, C++, Computer
Graphics at Graduate Level.

- 6 July 2010- 28 Feb 2011
Ad hoc Lecturer in Department of Computer Science, Lyallpur
Khalsa College, Jalandhar, Punjab affiliated to Guru Nanak
Dev University, Amritsar

Taught Data Structures, C Programming, DBMS, Computer
Graphics at Graduate level.

- 6 July 2008- 28 Feb 2010 (2 years)
Ad hoc Lecturer in Department of Computer Science,
Khalsa College, Amritsar, Punjab affiliated to Guru Nanak Dev
University, Amritsar.

Taught Computer Graphics at Post-graduate level, DBMS,
C Programming, Computer Fundamentals at Graduate level.

- 15 July 2007- 28 Feb 2008
Ad hoc Lecturer in Department of Computer Science,
Guru Gobind Singh Khalsa College, Sarhali, Amritsar, Punjab
affiliated to Guru Nanak Dev University, Amritsar.

Taught Computer Graphics at Post-graduate level, DBMS, Computer Fundamentals at Graduate level.

Areas of Interest

- Internet of Things, Wireless Sensor Networks, Software Defined Network using Vertical Handoff, Digital Twin, Federated Learning.

Publications

(Journal/Book Chapters)

Book Chapters:

- Maini, J. and Rani, S., 2024. Introduction to IoT and WSN. In *WSN and IoT* (pp. 1-34). CRC Press.
- Maini, J., Rani, S. (2024). Transportation in IoT-SDN Using Vertical Handoff Scheme. In: Sharma, D.K., Peng, S.L., Sharma, R., Jeon, G. (eds) *Micro-Electronics and Telecommunication Engineering. ICMETE 2023. Lecture Notes in Networks and Systems*, vol 894. Springer, Singapore. https://doi.org/10.1007/978-981-99-9562-2_1

Seminars/

Conferences/Symposiums

(Paper Presented)

- Presented a Paper titled "Transportation in IoT-SDN using Vertical Handoff Scheme" in the "7th International Conference on Micro-Electronics and Telecommunication Engineering " BY SRM Institute of Science and Technology, Delhi NCR Campus Ghaziabad, U.P, India from 22nd and 23rd September 2023.
- Presented a Paper titled "An Overview on Recent Trends of Internet of Things" in the Third International Conference on " Sustainable Energy Solutions for a Better Tomorrow (SESBT 2022)" BY THE School of Mechanical Engineering (SMEC), Vellore Institute of Technology (VIT) Chennai in collaboration with ESRIG, University of Groningen, The Netherlands from 23rd to 24th July 2022.
- Presented a paper on 'A Review and Recent Trends of Internet of Things' in ICSSR sponsored *National Seminar on 'Recent Trends in Information Technology'* on 25.03.22 conducted by the IT Dept. of the GGSDS College.

Refresher

Courses/Workshops/

Training Programmes

- Attended an online two - day workshop on "Unlock the Power of MATLAB: A Hands – on Introduction to Scientific Computing" on 23 -24 August 2024 organized by Office of PhD Programs, CURIN, Chitkara University, Punjab.
- Attended an online two-day workshop on "Reference Management in Research Documents" on 1-2 March, 2024 organized by Office of PhD Programs, CURIN, Chitkara University, Punjab.
- Online - NEP2020 Orientation & Sensitization Programme from 16.01.2024 to 26.01.2024 under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by UGC-Malaviya Mission Teacher Training Centre (MMTTC), Panjab University, Chandigarh.
- Attended and Participated in a Workshop on "Future of Innovation and Research: An impact of Information Technology on Academic Spheres "organized by Readers Club of GGSDS College on 05 August 2023.
- Online workshop on Intellectual Property Rights and Patents and Design Filing. on 10 Aug 2022.
- Workshop on GOOGLE SCHOLAR ID, ORCID, VIDWAN ID (A Workshop for increasing Research Visibility and Impact). organized by the Department of Library on 11th June 2022.

- Completed a FDP/Course on Predictive Analytics using IBM SPSS Modeler – Advanced Course Powered by IBM Developer Skills Network and Issued by IBM Career Education Program on 30th December, 2022.
- Five Days Online workshop on Statistical Techniques & Data Analysis Using SPSS and Reference Management, language correction and publishing in quality reference management journals from 7th- 9th October, 2021 and 29th to 30th October, 2021 conducted by PG Department of Economics, Goswami Ganesh Dutta Sanatan Dharma College, Sector 32, Chandigarh.
- Two-week online FDP on panel Data Analytics with Software Applications” from 08th to 21st May, 2020, organized by Sri Aurobindo College of Commerce and Management, Ludhiana.

Administrative Experience

- Worked as a team member in NAAC Criteria 4.0.
- Worked as a member of Readers Club.
- Worked as a member of Editorial Board of News Clippings for Sessions 2020-21, 2021-22, 2022-23, and 2023-24.

JYOTI MAINI