

Dr. VISHAL CHOUDHARY

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Aadhaar No:833346942515



Dedicated to Creating a Positive Learning Environment and Making a Difference in Student's Lives

PROFILE

- An erudite academician with high caliber and extensive experience in developing results driven curriculum and delivering enthusiastic instruction to students. **Subject matter expert on 'Computer Science and Engineering' backed up with 15+ years of experience in the field.**
- Senior academician providing able administrative and visionary leadership to Computer education, imparting quality management education to a wider range of aspiring professionals and business leaders of tomorrow.
- Designing academic and professional programs to cater to changing industry needs in a dynamic business environment in the globalizing world through a good mix of theoretical and industry training modules
- Keep abreast of the latest developments in trends as well as administrative techniques in my field and move in consonance with changing times.

Excellent academic credentials; UGC-NET & HP-SET Qualified in Computer Science, Phd (Computer Science & Engineering), M. Tech (Computer Science & Engineering),

PROFESSIONAL EXPERIENCE:(15+ Years)

Lovely Professional University- India FROM AUG 2022-TILL DATE

Assistant Professor-Department of COMPUTER SCIENCE

- Manage classroom coverage of assigned subjects like Java Programming, Linux Administration, Computer Networks, Identify areas of improvement while working with students and effectively coach them to improve their performance consistently to meet set parameters
- Provide academic data support, coordinate student information system and monitor educational administration related issues.
- Plan for upcoming year as per the overall strategic goals and ensuring judicious deployment of resources by devising out – of – box ideas and plans.
- Collaborate with fellow lecturers on lesson plans and perform administrative tasks viz. recording attendance, managing student portfolios and providing individual assistance to the students.
- Prepare and administer examinations, grade them in a timely manner, and provide feedback to the students
- Identify areas of improvement while working with students and effectively coach them to improve their performance consistently
- Proven ability to easily assimilate new ideas, concepts, methods and technologies
- Mentoring students to bridge the Gap between parents, students and university system.

Poornima College of Engineering -India FROM July 2017—Aug 2022

Associate Professor-Department of COMPUTER SCIENCE AND ENGINEERING

- Training the students on IBM module -Application development and deployment Using IBM Bluemix cloud platform
- Training the students on IBM module -IBM Cognos Business Intelligence
- Managing the IBM Lab

Jaipur National University -India FROM June 2014—July 2016

Associate Professor-Department of COMPUTER SCIENCE AND ENGINEERING

- Manage classroom coverage of assigned subjects like operating System, Data Base management System, Computer Networks, Identify areas of improvement while working with students and effectively coach them to improve their performance consistently to meet set parameters

- Collaborate with fellow lecturers on lesson plans and perform administrative tasks viz. recording attendance, managing student portfolios and providing individual assistance to the students.
- Prepare and administer examinations, grade them in a timely manner, and provide feedback to the students
- Identify areas of improvement while working with students and effectively coach them to improve their performance consistently

SHINAS COLLEGE OF TECHNOLOGY, Sultanate of Oman –Oman

Feb 2012 –Feb-2014

Assistant Prof. – Department of Information Technology

ACCURATE INSTITUTE OF MANAGEMENT AND TECHNOLOGY, Greater Noida (U.P) (India) Aug 2008- Dec2012

Associate Professor-Department of MCA

ANSAL INSTITUTE OF TECHNOLOGY , Gurgaon-Haryana (India)

Aug 2007 - Aug 2008

Assistant Prof. – Department of Computer Science and Engineering

MEERUT INSTITUTE OF ENGG & TECHNOLOGY Meerut (U.P) (India)

Aug 2004 – Jul 2007

Lecturer - Department of Computer Science and Engineering

GURU JAMBESHWAR UNIVERSITY Hisar –Haryana (India)

Aug 2003 - Jul 2004

Guest Lecturer - Department Of Computer Science and Engineering

Other positions of responsibility held

- Managing the IBM Lab in Poornima College of Engineering
- Held the responsibility as Member of Exam Committee at Shinas College of technology-Oman
- Was the Sports In-charge at Ansal institute of Technology.
- Acted as Project Guide for B. Tech and MCA students.
- Worked as Internal examiner for practical Exams and as Examiner in UPTU.
- Chosen to be a member of Anti-Ragging Squad.
- Member of Examination Team in Accurate College of Engineering.
- Member of discipline committee.
- Key part played in organizing and maintaining Departmental library.

National Level Examination:

- i. UGC-NET Computer Science and Applications**
- ii. Himachal Pradesh State Eligibility Test-Computer Science**

EDUCATIONAL CREDENTIALS

Phd(Computer Science &Engineering) -2022

Department of Computer Science and Engineering Banasthali University -Rajasthan

Topic

Design and Analysis of an Algorithm for key distribution and Management in Wireless Sensor Network

M. Tech (Computer Science & Engineering.) -2002

Department of Computer Science and Engineering, Guru Jambheshwar University, Hisar (Haryana), India

Thesis:

Simulation studies of Moirés signal for Mask to Wafer alignment at National Physical Laboratory -CSIR New Delhi.

M. Sc Computer Science -2010

Guru Jambheshwar University, Hisar (Haryana).-India (Haryana).-India

M. Sc (Physics)-2000

Guru Jambheshwar University, Hisar -Haryana (specialization on optical communication & fiber optics).-India

B. Sc (PCM) -1998

Dayanad Anglo Vedic College, Kangra, H. P. India (Himachal Pradesh University, Shimla India)

TECHNICAL PROFICIENCY

IOT application development using Raspberry-Pi , Cloud computing Using IBM Bluemix , Data Analytics Using IBM Cognos BI, and Hadoop, Android Programming Using Java, Advanced Java,C, C++,HTML,Oracle

SUBJECT OF INTEREST

Internet of Thing (IOT), Cloud Computing, Big Data Analytics, Java Programming, Application development using java ,Computer Networks, Databases, Software Engineering,

Date of Birth: 15th March 1977

Languages Known: Hindi, English & Dogri

SHORT TERM COURSES AND CERTIFICATION:

1. **Excellence in Peer Review:** How to be an effective peer reviewer" may 21,2021
2. **Introducing F1000 Research: an open access publishing Platform**, May 20, 2021
3. **DP-900: Microsoft Azure Fundamentals Certification-2021** on May 16, 2021
4. **AZ-900: Microsoft Azure Fundamentals Certification-2021** on May 12, 2021
5. **Google Cloud Platform Fundamentals: Core Infrastructure-05/12/2020**
6. **Programming Foundations with JavaScript, HTML and CSS** an online non-credit course authorized by Duke University and offered through Coursera-05/25/2020
7. **Industrial IoT on Google Cloud Platform** an online non-credit course authorized by Google Cloud and offered through Coursera -05/20/2020
8. **Identity & Access Management** A course on "ibmcep.cognitiveclass.ai Powered by IBM Developer Skills Network". June 5, 2020
9. **R training** organized at IMS NOIDA in January 2020 semester, with course material provided by the Spoken Tutorial Project, IIT Bombay
10. **SDN,NFV & NETWORK PROGRAMMABILITY USING P4**
Organized by Department of IT & IEEE Student Branch ,Poornima College of Engineering Jaipur from 12 April to 14 April ,2019
11. **Faculty Development Program on Scientific Writing and Computing**
Organized by RTU-Kota & Poornima College of Engineering Jaipur from 27 May to 29 May ,2019
12. **Faculty Development Program on Data Science and Big Data Analytics**
Organized by Poornima University , Jaipur from 08 July to 18 July ,2019
13. **Faculty Development Program on IBM CE-Learning Business Intelligence using IBM Cognos BI**
Organized by JIET Group of Institution, Jodhpur , 20 Jun 2017 to 23 June 2017

14. CCNA Exploration: Network Fundamental

Cisco Networking Academy Organized by Higher College of Technology-Muscat, July 9,2012

15. AICTE SPONSORED PROGRAMME FOR FACULTY DEVELOPMENT

Organized by NITTR Chandigarh from 2 Feb. 2009 to 6 Jan 2009.

16. Faculty Development Program on Mastering the Art and Science of Teaching Engineering & Research

Organized by Hewlett-Packard on March 3-4, 2008 at AIT Gurgaon.

17. Faculty Development Program on "IT Infrastructure and Management

Organized jointly by IBM and Galgotia College of Engineering &Tech., Greater Noida from March 16-18, 2007

18. AICTE SPONSORED INDUCTION TRAINING PROGRAMME FOR FACULTY DEVELOPMENT"

Organized by NITTR Chandigarh from 1 Jan. 2007 to 12 Jan.2007

19. IBM Workshop on "Eclipse & DB2"

Organized by IBM during 27-28 Nov.2006 held at Meerut Institute of Engineering. &Tech., Meerut.

JOURNAL PUBLICATIONS

- 1. The highly secure polynomial pool-based key pre-distribution scheme for wireless sensor network**
Journal of Discrete Mathematical Sciences and Cryptography Volume 23, 2020
- 2. Improved Key Distribution and Management in Wireless Sensor Network**
Journal of Wireless Communications 1 (1): 16-22, 2016, ISSN: 2377-3308,
<http://dx.doi.org/10.21174/jowc.v1i1.91>
- 3. Software Project Estimation Using Fuzzy Inference System**
Proceedings of International Conference on ICT for Sustainable Development, Advances in Intelligent Systems and Computing 409, DOI 10.1007/978-981-10-0135-2_6
- 4. Fuzzy Technique for Software Development Test Effort Estimation**
International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622
- 5. Fuzzy Technique for Software Project Feasibility**
International Journal of Science IT Management- RJSITM: Volume: 03, Number: 12, October-2014
- 6. Fuzzy Based Approach for Predicting Software Maintainability**
International Journal of Engineering Trends and Technology (IJETT) – Volume 10 Number 1, ISSN: 2231-5381
- 7. Fuzzy Technique for Assessment the software Productivity**
International Journal of Scientific and Engineering Research (IJSER) vol5, issue 3, ISSN2229-5518
- 8. Fuzzy Technique for Software quality measurement**
International Journal Of Engineering And Computer Science (IJECS) Volume 3 Issue 3, ISSN:2319-7242
- 9. Fuzzy Logic Based Routing Algorithm for Mobile Ad Hoc Networks.**
Communications in Computer and Information Science Springer Heidelberg Dordrecht London New York
ISSN 1865-0929
- 10. Optimization of Number of Switches for Optical Interconnection network"**
International Journal of Intelligent Information Processing, Jan 2007.pp71-78,ISSN : 0973-3892
- 11. Mobile Learning: Core Aspects of Content Delivery and Challenges"**
International Journal of Intelligent Information Processing, Jan 2007.pp111-117, ISSN : 0973-3892
- 12. ICT in Water pollution monitoring and management"**

PAPER PRESENTATION IN CONFERENCES

- 1. An Intrusion Detection Technique Using Frequency Analysis for Wireless Sensor Network,**
2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS),
Greater Noida, India, 2021, pp. 206-210, doi: 10.1109/ICCCIS51004.2021.9397076.
- 2. A Distributed Key Management Protocol for Wireless Sensor Network**
International conference on Advance Informatics For Computing Research 14-15 July 2018,the Hotel
Deventure,Shimla,India
- 3. A Comparative Analysis of Cryptographic Keys and Security**
International conference on Recent Advances and Innovation in Engineering 23-25 Nov 2018,Poornima
University-Jaipur,India
- 4. An Efficient Quantum Key Management Scheme**
International conference on Advances in Internet of Things and Connected 09-10 May 2019 MNIT-Jaipur,India
- 5. Software Project Estimation Using Fuzzy Inference System**
International conference on ICT for Sustainable Development 3-4 July 2015,the Pride Hotel
Ahmedabad,India
- 6. Fuzzy Logic Based Routing Algorithm for Mobile Ad Hoc Networks.**
International conference on high performance Architecture and Grid computing (HPAGC-2011)
19-20 July 2011 Chitkara University, Punjab, India
- 7. “Mobile Learning: Core Aspects of Content Delivery and Challenges”**
National Conference on Challenges and Opportunities in information technology (COIT 2007)
23 March 2007 at RIMT-Institute of Engineering and Technology, Mandi Gobindgarh, Punjab
- 8. “Information Technology Implementation in Rural India; Challenges and their Solutions”**
National Conference on Research Opportunities and Challenges in IT
4th April 2007 at Sri Sai Ram Engineering college, Sai Leo Nagar, West Tambaram Chennai –44.