

Name: Komal

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Career Objectives

Seeking a teaching position at some reputed institution to enhance my knowledge and teaching skills and to gain experience along with sharing my passion with young minds.

Education

- **Ph.D.** (Pursuing) Ph.D. in Computer Science from Department of Computer Science, Punjabi University, Patiala.
- **M.C.A.** from Department of Computer Science, Punjabi University, Patiala in 2017 with 81.45 per
- **B.C.A.** from Panjab University, Chandigarh in 2014 with 71.00 per

Professional Experience:

Department of Computer Science, M.M. Modi College, Patiala, India (August 2019 to till date)

Department of Computer Science, A.S College for Women, Khanna India (19 February 2018 to 29 April, 2018)

Department of Computer Science, Desh Bhagat University, Mandi Gobindgarh India (28 August 2017 to 25 November, 2017)

Teaching Interests:

- Advanced Data Structure
- Object Oriented Programming
- Computer Networking
- Database Management System
- Software Engineering

Research Interest:

- Digital Image Processing

Subjects Taught:

Object Oriented Programming, DBMS, Computer Oriented Numerical Methods, Operating System. Software Engineering, Fundamentals of Computer and IT, Discrete Structures, Advanced Data Structure, Enterprise Resource Planning, Web Technologies, Networking,

Publications

- Sethi Ganesh Kumar, Sharma Harmohan & Komal, A Study of Personality Traits from Handwriting using Digital Image Processing , RESEARCH REVIEW International Journal of Multidisciplinary, Vol 03, Issue 12, ISSN: 2455-3085 (Online), 1498-1502, Dec- 2018.
- Komal,Ganesh Kumar Sethi,Rajesh Kumar Bawa, Feature Based Qualitative Classification of Rice Varieties: A Reveiw, in the Journal of Scientific Research, Vol 64, Issue 2,2020; DOI: 10.37398/JSR.2020.640242
- Komal, ” The Higher The Quality of Teaching, The Higher Quality of Education” ,National Conference on Effective Implementation of Choice Based Credit System Benefits and Challenges ISBN: 978-93-86713-87-2

Conference / Seminars

A) Paper presented:

1. Komal, The Higher The Quality of Teaching, The Higher Quality of Education in National Conference on Effective Implementation of Choice Based Credit System: Benefits and Challenges ISBN :978-93-86713-2
2. Komal,Ganesh Kumar Sethi,Rajesh Kumar Bawa(2020) State-of-the-Art in Automatic Rice Quality Grading System in the International Conference on Intelligent Communication and Computational Research (ICICCR-2020) at PIT Rajpura.
3. Komal, Digital Image Processing Smart Farming in the National Conference on Innovations in Bioscience and Technology (NCIBT-2020) at M.M Modi College, Patiala.

B) Attended:

1. Komal(2018) Explaining Deep Learning models for Natural Language Process in 15th International Conference on Natural Language Processing Punjabi University, Patiala, India.

Workshops and Training courses:

1. Attended AICTE, New Delhi and I.K. Gujral Punjab Technical University, Jalandhar sponsored Faculty Development Program on Recent Trends inImage

Processing Techniques at Guru Nanak Dev Engineering College, Ludhiana(30th Dec 2019- 3rd Jan 2020).

2. Attended 3 days workshop on Android App Development and Artificial Intelligence at Multani Mal Modi College, Patiala(13th to 15th Nov,2019)

Projects and Training:

1. **Bus Tracking Android App** is made in Android during 6 months training in Sloane International Developments, Chandigarh.
2. **Swank Wedding Planners** is made in java during 6 During MCA 3rd sem.
Project Description: An Online website for Wedding planners
3. **Website User Management System** Using Roles is made in VB.Net during MCA 4th sem.
4. **Library Management System** is made in C++ during BCA (3rd year).
Project Description: An online library management system

Technical skills

- **Languages:** C, C++, Java, Android
- **Database:** Oracle, MS SQL Server