

Name: Dr.Sapna Dhiman

Designation:Assistant Professor

Specialization:Computer Science

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Education

M.C.A.(2008, Kurukshetra University, Kurukshetra),

M.Phil (2009, M. M. University, Mullana),

Title of M.Phil Thesis:Development of Search Engine for Punjabi.

Ph.D. (2019, Punjabi University, Patiala)

Title of Ph. D Thesis:Enhancing Accuracy of Gurmukhi OCR using Multiple Classification Schemes and Language Modeling.

Professional Experience:

Teaching: Department of Computer Science, M.M. Modi College, Patiala, Punjab (26 July, 2008 to till date)

Non-Teaching: Data Entry Operator, Advanced Centre for Development of Punjabi Language, Literature and Culture, Punjabi University, Patiala, Punjab (March 2007 to 25 July, 2008)

Research Interest:

Digital Image Processing

Publications

1. Puneet Wadhawan and Sapna Dhiman, “**Extraction of Punjabi words for Database of Search Engine**”, in International Journal of Computer Science Issue (IJCSI), Vol. 9, Issue 4, pp 411-416, 2012.

<https://www.ijcsi.org/papers/IJCSI-9-4-1-411-416.pdf>

2. Sapna Dhiman, “**Feature Extraction for Gurmukhi: Gabor Filter and DCT**”, in International Journal of Research in Computer Application and Robotics, Vol. 5, No. 4, pp 24-28, 2017.

<https://ijrcar.com/Volume 5 Issue 4/v5i409.pdf>

3. Sapna Dhiman, Rohit Sachdeva, Sumeet Kumar, Neha Khanna, “**Comparative Analysis for Gurmukhi and Devanagari Script at Word Level**”, in International Journal of Engineering Technology and Computer Research, Vol. 5, No. 3, pp 49-54, 2017.

<https://ijetcr.org/index.php/ijetcr/article/view/377/378>

Conference / Seminars

1. Presented a paper entitled “**Data Mining**”, 7th National Seminar, Techvision 2020 – Emerging Paradigms in Information Technology (Mandi Gobindgarh), 2009.
2. Presented a paper entitled “**E-governance Practices in India – Empowering the Common Man**”, National Seminar on Contemporary Socio-Economic Dimensions in The Growth of Business (M. M. Modi College, Patiala), 2013.
3. Presented a paper entitled “**Pattern Recognition: An emerging field of artificial intelligence**”, International Business Conference (M. M. Modi College, Patiala), 2014.
4. Participated and a poster presented entitled “**E-Waste Management Practices in India**”, at 8th National Conference on RACES (M. M. Modi College, Patiala), 2016.

Workshops and Faculty Development Programme

1. Attended 15 days UGC Sponsored FDP held on July 1-15, 2014 at M. M. Modi College, Patiala
2. Participated 7 days FDP organized by Rajiv Gandhi National Institute of Youth Development from July 6- 12, 2015 at M. M. Modi College, Patiala
3. Attended 7 days UGC Sponsored FDP held on Jan 09-16, 2017 at M. M. Modi College, Patiala
4. Attended 7 days FDP organized by IQAC held on July 20-26, 2018 at M. M. Modi College, Patiala
5. Attended 7 days FDP held on July 17-22, 2019 at M. M. Modi College, Patiala
6. Attended 3 days workshop on Android App Development & Artificial Intelligence attended on Nov13-15, 2019.
7. Attended 9 days online FDP on Machine Learning held on May 4-12, 2020 from IIT Roorkee.
8. Attended 7 days online FDP on Machine Learning and Artificial Intelligence held on May 11-17, 2020 from Forskfree Technology.