

# CURRICULUM-VITAE

## Dr. Preet Kamal

Assistant Professor, Department of Computer Applications  
Post Graduate Government College for Girls, Sector-11, Chandigarh

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## Career Objective

To contribute to academic excellence and research innovation as an Associate Professor in a reputed university, utilizing my 16+ years of teaching experience, published research, and subject matter expertise in Computer Applications.

## Technical/Professional Qualifications

- Ph.D. from Guru Kashi University, Talwandi Sabo (2020).
- MCA (Master of Computer Application) from Mata Gujri College, Fatehgarh Sahibunder Punjabi University (2008).
- BCA from Govt. College for Men, sector 11, Chandigarh under Punjab University (2005).

## Teaching Experience

**Total Experience:** I have 16 years of experience as Assistant Professor in Government colleges of Chandigarh, affiliated to Panjab University.

**Courses Taught:** BCA, PGDCA, M.Sc. IT

### Key Contributions:

- Developed and updated curricula for undergraduate and postgraduate programs conducted by Panjab University.
- Mentored student projects and guided internships.
- Actively contributed to departmental academic planning and examinations.
- Contribution in Paper setting of other Universities.
- Active participation in Placement Drives and Signing of MOUs with reputed organizations for the betterment of students.

## Area of Specialization

- Programming Languages
- Mathematics for Computer Applications
- Computer Networks
- Artificial Intelligence

## Papers Published in Books /Journals

- Presented an International journal of Computer Technology and Applications Volume 2 Issue 4 July-August 2011 (IJCTA) on the topic entitled “EDGE BASED REGION GROWING” with ISSN: 2229-6093.
- Presented a paper entitled “MOBILE OPERATING SYSTEM: SECURITY – A CONCERN” in a Book named “Web Information systems and Technologies” under UGC Sponsored national Seminar organized by department of Computer Application, PGGCG-11, Chandigarh on Nov. 9, 2011 with ISBN: 978-93-80144-22-1.
- Presented a paper entitled “m-Learning: An Opportunity or A Challenge” in a Book named “Emerging Technologies in computing” held on Nov. 30, 2011 at DEV SAMAJ COLLEGE FOR WOMEN, FEROPUR CITY with ISBN: 978-81-9227-0937
- Paper published, entitled “A Survey of Routing Protocols in Mobile Ad-Hoc Network” in Proceedings of 3rd International Conference on Advancements in Engineering & Technology (ICAET-2015) with ISBN: 978-81-924893-0-8
- Paper published entitled “A Robust and Secure Lightweight Authentication for the Limited Resource Wireless Ad-hoc Network” in Indian Journal of Science and Technology, Vol 9(47), DOI: 10.17485/ijst/2016/v9i47/101372, December 2016 (IJST) with ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645
- Paper published entitled “Balance Cluster Routing Algorithm for Expanding Wireless Networks (BaCRA-EWN)” in Indian Journal of Science and Technology, Vol 10(14), DOI: 10.17485/ijst/2017/v10i14/110423, April 2017 (IJST) with ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645

## Books Publications

- Written a book on “Data Communications and Computer Networking” under Twenty First Century publications with ISBN: 978-93-8014-510-5
- Written a book on “Step up in C++ OOPs” under the publication of ABS Publication ISBN: 978-81-7072-123-9
- Written a book on “Web Technologies Using PHP” under the publication of ABS Publication ISBN: 978-81-7072-178-9
- Written a book on “Introduction to Artificial Intelligence” under Notion Press available online on [www.amazon.in](http://www.amazon.in) with ISBN-10 : 1638068135 ISBN-13 : 978-1638068136

## FDP/ Workshops Attended

- Participated in three days workshop on E-Content Development held at PGGCG-11, Chandigarh from 10-03-2010 to 12-03-2010. Organised by Education Department, Chandigarh Administration.
- Participated in two days Workshop cum Training Programme on Counselling Services held at PGGCG-42, Chandigarh from 24-01-2011 to 25-01-2011.
- Participated in UGC Sponsored Workshop on “Examination Reforms- A Plan of Action” held on February 18, 2012 at PGGCG-42, Chandigarh.
- Participated in two days Symposium on “Curriculum Revision and Quality Education” conducted by Department of Computer Science and Applications held at Panjab University, Chandigarh from 16-08-2013 to 17-08-2013.
- Participated in one day workshop on “Syllabus Revision for Under Graduate and Post Graduate Courses of Computer Science and Information Technology” held on 20-10-2015 at DCSA, Panjab University, Chandigarh.
- Participated in seven days Capacity Building Workshop on “To Generate Innovative Ideas and Knowledge- A Step towards Interdisciplinary Approach” held at PGGCG-42, under RUSA Scheme organized under the aegis of Dept of Higher Education, Chandigarh Administration, from 20-02-2016 to 26-02-2016.

- Participated in RUSA Sponsored one Day Interactive Session on “Capacity Building of Faculty” held on 29-11-2016 at PGGCG-42, Chandigarh.
- Participated in One Day National Workshop on “Developing E-Learning Modules for Teachers” held at Dev Samaj College of Education, sector -36, Chandigarh on 27-01-2017.
- Participated in Awareness Seminar on “e-Learning and MOOCs in Higher Education” held at PGGCG-42, Chandigarh on 21-02-2017.
- Participated in seven days RUSA sponsored Faculty Development Programme on “Honing Life Skills” held at PGGCG-42, Chandigarh from 22-02-2017 to 28-02-2018.

## **Academic and Professional Contributions**

- Innovation Ambassador (MoE's Innovation Cell – IIC)
- Participated in certificate course of IIC Innovation Ambassador Training (Jan 2020)
- Attended Regional IIC Meet (July 2022)
- Active participation in curriculum development and quality assurance processes.
- Member of academic committees for research, examination, and syllabus revision.

## **Strengths**

- Deep understanding of academic pedagogy and mentoring.
- Always open to learning and confidently take responsibility for new assignments
- Skilled in project guidance and innovation mentoring.
- Proficient in programming languages and academic publishing.

**(Dr. Preet Kamal)**