

## About Faculty



### Dr. Indu Arora

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## Areas of Interest

- Programming Languages
- Databases
- Cloud Computing

## Educational Qualification

Degree	Year	Dept/University	Percent age	Medals/ Positions
Ph.D	2016	Department of Computer Science and Applications, Panjab University, Chandigarh, India		
M.C.A.	1992	Department of Computer Science and Applications, Guru Nanak Dev University, Amritsar, India	73.5%	1 <sup>st</sup> in University

## Professional Experience

Designation	From	To	Organization
Associate Professor and HOD	8 <sup>th</sup> August 1998 (Associate Professor since 2012)	Till date	MCM DAV College for Women, Sector- 36A, Chandigarh
Lecturer	12 <sup>th</sup> Jan, 1998	31 <sup>st</sup> March 1998	MCM DAV College for Women, Sector- 36A, Chandigarh
Lecturer	8 <sup>th</sup> November 1997	10 <sup>th</sup> January 1998	Regional institute of Management and Administration, Chandigarh
Lecturer	23 <sup>rd</sup> August 1993	18 <sup>th</sup> October 1997	BBK DAV College for Women, Amritsar
Lecturer	3 <sup>rd</sup> August 1993	21 <sup>st</sup> August 1993	AB College, Pathankot
Lecturer	18 <sup>th</sup> August 1992	28 <sup>th</sup> February 1993	AB College, Pathankot

## Research Paper Publications

Title	Journal	Refereed	Date and Year of Publication	Online Link
InFraMegh-An Implementation of Integrated Framework for Cloud Based Transactional Applications in Educational Institutes	International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), ISSN 2278-0055, vol. 2, issue 14, pp. 110-119	Yes	September-November, 2015	<a href="http://iasir.net/IJETCASpapers/IJETCAS15-685.pdf">http://iasir.net/IJETCASpapers/IJETCAS15-685.pdf</a>
Modeling and Designing Integrated Framework for Data Management of Transactional Applications in Cloud	International Journal of Scientific & Engineering Research, ISSN 2229-5518, vol. 6, issue 1, pp. 428-433	Yes	January 2015	<a href="https://www.ijser.org/paper/Modeling-and-Designing-Integrated-Framework-for-Data-Management.html">https://www.ijser.org/paper/Modeling-and-Designing-Integrated-Framework-for-Data-Management.html</a>
Improving Performance of Cloud based Transactional Applications using In-Memory Data Grid	International Journal of Computer Applications, ISSN 0975– 8887, vol. 107, no. 13, pp. 14-19	Yes	December 2014	<a href="https://research.ijcaonline.org/volume107/number13/pxc3900387.pdf">https://research.ijcaonline.org/volume107/number13/pxc3900387.pdf</a>
An Integrated Framework for Cloud Data Management in Educational Institutes	International Journal Computer Technology & Applications, ISSN: 2229-6093, Vol 5 (5), pp.1651-1657	Yes	2014	<a href="http://www.ijcta.com/documents/volumes/vol5issue5/ijcta2014050513.pdf">http://www.ijcta.com/documents/volumes/vol5issue5/ijcta2014050513.pdf</a>
Cloud Databases: A Paradigm shift in Databases	International Journal of Computer Science Issues (IJCSI) ISSN online: 1694-0814, Volume 9, Issue 4	Yes	July 2012	<a href="http://www.ijcsi.org/papers/IJCSI-9-4-3-77-83.pdf">http://www.ijcsi.org/papers/IJCSI-9-4-3-77-83.pdf</a>
Opportunities, Concerns and Challenges in the Adoption of Cloud Storage	International Journal of Computer Science and Information Technologies (IJCSIT), ISSN No 0975-9646, Vol. 3 (3) , 4543-4548	Yes	2012	<a href="http://ijcsit.com/docs/Volume%203/vol3Issue3/ijcsit20120303148.pdf">http://ijcsit.com/docs/Volume%203/vol3Issue3/ijcsit20120303148.pdf</a>

## Books Published

Title	Publisher	ISBN	Year of Publication
Java Programming	Kalyani Publisher	978-93-272-9365-4	2018
Application development using VB.NET	Kalyani Publisher	978-93-88842-76-1	2019

## Research Paper Presented and Published in International Conferences

- 1) "Developing and Validating Virtualized Transactional Application of Educational Institutes using InFraMegh" International conference on Advances in Computing, communications and Informatics (ICACCI'16) held at LNM Institute of Information technology, Jaipur (21-24 September 2016) and **published in Scopus Indexed IEEE Explore 978-1-5090-2029-4 (Electronic ISBN) <https://ieeexplore.ieee.org/document/7732284>**

- 2) "Usage of In-Memory Data Grids in Deployment of Transactional Applications in Cloud" in the 7th International Conference on Advanced Computing and Communication Technologies, ICACCT 2013, Volume 2, November 16,2013, organized by Asia pacific institute of information Technology (APIIT) S.D, Panipat, India
- 3) "Cloud Computing Framework for Educational Institutes" in UGC Sponsored International Conference ICTIS-2010 held on November 20-21, 2010 at DAV College Amritsar.

## Presented Research Papers in Conferences

- 1) "Sustainable Cloud Computing In Education" in UGC Sponsored National Seminar on "Millennium Development Goals and National Mission on Education through ICT" held on September 7-8, 2011 at I.C.S.S.R., Panjab University, Chandigarh.
- 2) "Indian ITES Industry: Growth, Opportunities and Challenges" in International Conference on "Emerging Economies: Challenges and opportunities" held on March 18-19, 2011 at GJIMT, Mohali.
- 3) "Green Computing with Cloud Computing" in 2-day UGC Sponsored National Seminar on 'Global Environmental Issues and Climate Change' Organized by MCM DAV College for Women, Chandigarh on Nov 9-10, 2010.
- 4) "Enhancing skills through Information and Communication Technology" on September 18, 2010 in a two day seminar on "Integration of Skill development with Higher Education" organized by GGSDS College Rajpur, (Palampur), HP.
- 5) "Blogs: An emerging Trend for non-publishing Revolution " on March 10-11, 2007 in Ist Chandigarh Science Congress(CHASCON-2007) , PU, Chandigarh
- 6) 'Data Mining' at National Conference on 'IT Pathway for Transformation of Society' at DAV College, Amritsar on 13-14th March 2004

## Others

- ❖ **Member BOS (2017-19) for MBACIT and Computer Science & Applications**
- ❖ **Member BOS (2011-13) for PG and UG -MBACIT and Computer Science & Applications**
- ❖ **Presented and Published research papers International conferences**
- ❖ **Guided students for presenting papers**
  - Guided Gurnoor Kohli of BCA II to present a paper on the topic "Managing Electronic Waste- A big Challenge" in 2-day UGC Sponsored National Seminar on 'Global Environmental Issues and Climate Change' organized by MCM DAV College for Women, Chandigarh on Nov 9-10, 2010.
  - Guided MSc Students (i) Rohini Singla (II) Harpreet Kaur to participate in "ANVESHAN"- Student Research Convention organized by PU, Chandigarh on topics "E-nose" and "I-Mode and its comparison with other Technologies".
- ❖ **Delivered lecture on "How to motivate yourself" on Prize Distribution Ceremony of Shri Chattanya Academy as Guest Speaker (27th January 2007).**
- ❖ **Editor, IT Section of Mehr Jyoti:2008-12, Computer Section of Shachi-BK DAV College: 1994-96**