Curriculum Vitae

Dr. KANWAL GARG (MCA, Ph.D.)

Department of Computer Science & Applications,
Kurukshetra University, Kurukshetra – 136 119.
Haryana. (India)
Mobile No.: +91-94161-95222, 70158-13138
e-mail id: gargkanwal@kuk.ac.in ; gargkanwal@gmail.com

Career Synopsis:

Presently working as **Associate Professor,** Department of Computer Science & Applications, Kurukshetra University, Kurukshetra and **Deputy Director (Additional Charge)**, Kurukshetra University Kurukshetra Alumni Association (KUKAA). Apart from district topper in Senior Secondary examination and University topper in under graduation examination, I had completed my post-graduation & doctorate degree from GJU S&T, Hisar under the Faculty of Engineering and Technology. I owe the credit of more than **92 research/ review papers** jointly published in International and National Journals. I have jointly contributed in more than **35 research/ review papers** in National / International Conference/ Seminar/ Workshop & Symposia etc. **06** patents have been published under collaboration at Controller General of Patents, Designs & Trade Mark, Intellectual Property Right, India. **04** Ph. D. scholars have successfully completed their doctorate under my guidance. Presently, I am guiding **04** Ph. D. scholars. I have written **02** books on Databases and **01** book on Programming in Java, **01** book on E-Commerce and **01** book on Data Mining and Visualization to cater the need of distance education students of Kurukshetra University Kurukshetra. **01** Chapter is co-published in United States of America by IGI Global Engineering Science Reference (an imprint of IGI Global). I have developed and delivered subject content of **07** program for online courses under Centre for Distance and Online Education (CDOE), Kurukshetra University, Kurukshetra using 2 Quadrants namely e-tutorial and e-Self-Assessment. In addition, I have co-authored **02** more books to facilitate under graduate students. I am actively involved in organization of more than **11** Short Term Program/ Seminars/ Workshops/ Symposia etc. I have delivered lectures more than **43** times as resource person, keynote address, session chair, and guest lecture etc. at various Universities, Institutes, Colleges and Madhuban Police Academy, Haryana. I have attended more than **47** workshops/ Faculty Development Programme/ Winter/ Summer School etc. including **01** Orientation Programme & **02** Refresher Course to enhance my curriculum. My area of expertise is Data Bases, Data Mining & Warehousing. Approximately **23** years of experience in teaching, industry and administration. During this tenure, I am actively involved in designing the course curriculum of PG, UG, Diploma and Certificate courses running in regular/ distance (offline & online) mode at Kurukshetra University Kurukshetra.

Educational & Professional Qualification:

Degree	University/ Board	Year	Marks/ Percentage	Remarks
Ph.D.	G.J.U. S&T Hisar.		"Data Mining in Life Insurance Sector in India: A Model Based Approach". Date of Registration: 25.09.2006 Date of Notification: 12.03.2010	Under the supervision of Prof. Dharminder Kumar and Prof. M.C Garg (GJUS&T, Hisar).
MCA	G.J.U. S&T Hisar.	2001	**65.5 %**	Project on Centralized Core Banking Solution at **IBM India Ltd. Delhi**
B.Com(With Tax Procedure And Practices)	Kurukshetra University	1998	**75.67%**	**University Topper**
12th	Haryana Board	1995	**72.6 %**	**District Topper**
10th	Haryana Board	1993	**68.16 %**	

Learning at Work Place/ Employment Record:

S. No.	Institution/ Organization	From	To	Designation
1	IBM India Ltd. Delhi.	07/02/2001	25/06/2001	Trainee
2	S.B. Billimoria & Co., Mumbai	29/06/2001	30/06/2002	Assistant Programmer
3	Maharaja Agrasen College, Jagadhri (Haryana) & Associate NCC Officer (ANO) (**Rank: Lieutenant**), (Additional Charge from 05/04/2004 to 31/08/2007)	04/07/2002	31/08/2007	Lecturer/ Head (8000-275-13500) Served as a confirmed Lecturer & Head, Dept. of Computer Applications.
4	Maharaja Agrasen Institute of Management and Tech., Jagadhri (Haryana)	1/ 09/2007	24/10/2007	Senior Lecturer (10000-325-15200)
5	MMICT &BM, Maharishi Markandeshwar University, Mullana (Ambala)	25/10/2007	28/02/2010	Assistant Professor (12000-420-18300)
6	MMICT &BM, Maharishi Markandeshwar University, Mullana (Ambala)	01/03/2010	06/01/2011	Associate Professor (16400-400-18300)
7	Department of Computer Science & Applications, Kurukshetra University, Kurukshetra	07/01/2011	Till Date	Assistant Professor
8	Kurukshetra University Kurukshetra Alumni Association (KUKAA), Kurukshetra University Kurukshetra.	04/03/2021 (1st Tenure) 21/05/2024 (2nd Tenure for another Three years)	20/05/2024	Deputy Director (Additional Charge)

Research Papers Published in Journals or Conference Proceedings: (Annexure-I)

Scopus Profile: Scopus Author Identifier no.: 57192106987 Orchid id: 0000-0003-0048-9355 H- index: 4 No. of Citation: 62 No of Documents: 14
Clarivate (Web of Science): Web of Science Researcher ID: AES-9166-2022 Profile summary: Total documents: 9 Publications indexed in Web of Science: 6

| Web of Science Core Collection publications: 2 |
| Non-indexed publications: 3 |
| H- Index: 1 |
| **Google Scholar:** |
| Verified e-mail id: gargkanwal@kuk.ac.in |
| Total Documents: 92 |
| Citations: 662 |
| (h-index: 11 |
| i10-index: 11 |

Participation and Papers presented in Conferences, Seminars, Workshops, Symposia etc.:

S. No.	Title of the Paper	Presented By	Title of Conference/ Seminar etc. & organizer	Date(s) of the event
1	e-Commerce- Risks and Opportunities	Kanwal Garg	Issues and Challenges in Contemporary Management, Dept. Of Commerce, KUK	April 29th -30th, 2004
2	e-CRM: Can Online Community Improve Customer relationships?	Kanwal Garg	Managing India Inc: Strategies for growth and Sustainability, Dept. Of Commerce, KUK	April 21st , 2005
3	Online Community of Practice: A View on Online Social Networking Community	Kanwal Garg & Mohit Sharma	Strategic Outsourcing	Dec.17th, 2005
4	Mobile Computing and its Applications	Kanwal Garg	Innovative Applications of IT and Management for Economic Growth of India By Apee Jay Institute of Management, Jalandhar	April 21st -22nd 2006
5	Data Mining : A prospectus for life insurance sector in India	Kanwal Garg, Dr. Dharminder Kumar, Dr. M.C. Garg	IT Research & Applications	Nov. 16th -18th , 2007
6	Data Mining Techniques and its significance for Life insurance sector in India	Kanwal Garg, Dr. Dharminder Kumar, Dr. M.C. Garg	Convergence of Management and Technology – The New Horizon	Nov. 24th , 2007
7	Data Mining Tools and Techniques for its Application in Life Insurance Sector in India	Kanwal Garg, Dr. Dharminder Kumar, Dr. M.C. Garg	Enterprises Information System	May 24th , 2008
8	Data Mining as a Solution for Decision Making paper id.: .DIIT-077	S. D. Ranga, Dr. Anil Kapil, Kanwal Garg	Modern Practices & Information Technology Trends 2009	Apr. 17th – 18th 2009
9	Identification of Clusters Influencing the Surrender/ Forfeiture and Switchover of Life Insurance Policy through Two-Step Clustering: A Data Mining Technique	Kanwal Garg, Dr. Dharminder Kumar, Dr. M.C. Garg	International Conference on Knowledge Management and Intellectual Capital Emerging Perspective	Feb.26th -27th, 2009
10	Knowledge Extraction Through Rule Induction in Life Insurance Sector	Kanwal Garg, Dr. Dharminder Kumar, Dr. M.C. Garg	IEEE International Advanced Computing Conference	pp. 956- 959, Mar. 6th -7th , 2009
11	Predictive Model for pricing of Life Insurance Product Using Statistical Data Mining Technique	Kanwal Garg, Dr. Dharminder Kumar, Dr. M.C. Garg	International Conference on Management- HR, Marketing & Financial Perspective	Feb.6th , 2009

12	"SWBES: A New Era to Contemporary Computing"	Meenakshi, Kanwal Garg, Neelam	National Seminar on Contemporary Computing	Feb. 25-26th , 2010
13	Pertinent Issues and Prospectus Associated with Cloud Computing	Shweta, Kanwal Garg	International Conference on Sports Biomechanics, Emerging Technologies & Quality Assurance in Technical Education Organised by IIT- Roorkey & Prannath Parnami Universe, Hisar	March 17-18, 2012
14	An Evaluation of Biometric Technique for Issues Associated With High Volume Databases.	Harpreet Saini, Kanwal Garg	National Conference on Emerging Computing Technologies in Changing Global Scenario- 2013 organized by Kalpi Institute of Technology, Ambala, Haryana	February 23, 2013
15	Analysis of Data Mining Classification Algorithms for Intrusion Detection System	Pooja, Kanwal Garg	National Conference on Emerging Computing Technologies in Changing Global Scenario- 2013	February 23, 2013
16	Frequent Pattern Mining on Transactional Database	Deepak Kumar, Kanwal Garg	National Conference on Emerging Computing Technologies in Changing Global Scenario- 2013	February 23, 2013
17	Review on K-Means Clustering Algorithm	Sonal Miglani, Kanwal Garg	National Conference on Emerging Computing Technologies in Changing Global Scenario- 2013	February 23, 2013
18	A Review on Semantic Based Web Mining & Ontology	Kanwal Garg	One day National Seminar on Latest Development in ICT: Social Networking and IT Security, organized by DCSA, D.N. Mahavidyalya, Kurukshetra	February 11, 2015
19	"Database Tempering: Potential Issues and Challenges"	Chanda Kataria Kanwal Garg RESOURCE PERSON	Colloquium- 2015 6th National Conference on Engineering, Management and Apparel & Textile Technology organized by Galaxy Global Group of Institution, Saha, Ambala	February 21st 2015
20	"A Review of Task Scheduling Algorithms in Cloud Computing"	Anu Rani, Kanwal Garg	Vivechana- 2016, Two - Day National Conference on "Advances in Computer Science & Engineering" (ACSE-2106)	April 29th-30th , 2016
21	"Web Log Pre-Processing: A Major Step in Web Usage Mining"	Muskan, Kanwal Garg	Vivechana- 2016, Two - Day National Conference on "Advances in Computer Science & Engineering" (ACSE-2106)	April 29th-30th , 2016
22	"Security Issues in Grid Computing"	Akanksha, Kanwal Garg	Vivechana- 2016, Two - Day National Conference on "Advances in Computer Science & Engineering" (ACSE-2106)	April 29th-30th , 2016
23	"Data Handling in Distributed Environment"	Kanwal Garg	Two- Day National Seminar on "Data Handling Techniques: Application in Information Technology" at Gandhi Memorial National Post Graduate College, Ambala Cantt.	March 04-05,2016
24	Preprocessing Steps For Opinion Mining on Tweets	Arpita Grover, Pardeep Kumar, Kanwal Garg	International Conference on Evolving Technologies for Computing, Communication and Smart World (ETCCS-2020) Organized by CDAC, India. PP. 333-344	31st January to February 1st , 2020

25	Data Cleaning of Raw Tweets for Sentiment Analysis	Arpita Grover, Pardeep Kumar, Kanwal Garg	Indo-Taiwan IEEE sponsored Conference on Computing, Analytics and Networks (ICAN 2020) organized by Chitkara University, India and National Chung Cheng University, Taiwan. (Proceeding of the Paper is under the process).	14th & 15th February 2020
26	Privacy Preservation of COVID- 19: A Review	Kritika Sharma, Kanwal Garg	E-International Conference on Socio-Economic and Health Challenges due to COVID-19 and Mitigation Strategies (SEHCM-2020) organized by Dr. B.R. Ambedkar National Institute of Technology, Jalandhar- 144011 (Punjab), India	22nd & 23rd October 2020
27	"Classification and recognition of online hand-written alphabets using Machine Learning Methods" By R Popli, I Kansal, A Garg, N Goyal and K Garg+B10	Published in the proceedings of 1st International Conference on Computational Research and Data Analytics (ICCRDA 2020)	Conference Proceedings Published under licence by IOP Publishing Ltd.	24th October 2020
28	"Classification and recognition of online hand-written alphabets using Machine Learning Methods" By R Popli, I Kansal, A Garg, N Goyal and K Garg	ICCRDA 2020, IOP Publishing Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 1022,	Conference Proceedings IOP Conf. Series: Materials Science and Engineering, Rajpura, India doi:10.1088/1757-899X/1022/1/012111	24th October 2020
29	"Comparative Analysis of Spark and Hadoop through Imputation of Data on Big Datasets", By Pooja Choudhary, Kanwal Garg	Published in 2021 IEEE Bombay Section Signature Conference (IBSSC) Publication	Conference Proceedings, Publisher name: IEEE	18th November 2021
30	"Role of Contemporary Techniques in Agriculture Development: A Systematic Review" By Renu Popli, Daljeet Singh, Rajeev Kumar, Gurpreet Singh Saini, Kanwal Garg	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022, 2022, pp. 1677–1681	Conference Proceedings (Scopus Listed) Publisher: IEEE Xplore	28-29 April 2022
31	Enhancing Fault Detection and Classification in Optical Fibre Netwrok with Deep Learning Algorithms	International Conference on Emerging Technology and Sustainable Solutions- ICESS 2023	Chitkara University, Panjab	24th-25th November 2023

32	Review on Potential Challenges and Proposed Solutions on Integrated Data Sources for Predictive Patterns	ICSSR Sponsored International Conference Innovative Technological Applications Reshaping Modern Business	University School of Management, Kurukshetra University Kurukshetra (ITARMB-2024) ISBN: 978-81-19757-27-5	15th March 2024 to 16th March 2024
33	Empowering Education through Industry 4.0 and Organic Learning Paradigms	Two days National Seminar on Convergence of Regular, Online & ODL Modes and Technology Integration in Higher Education	Centre for Distance and Online Education Kuruksehtra University Kurukshetra	06th and 07th March 2025
34	Challenges and proposed solutions in LMS adoption: A Comparative Review of Urban and Rural Contexts	Two days National Seminar on Convergence of Regular, Online & ODL Modes and Technology Integration in Higher Education	Centre for Distance and Online Education Kuruksehtra University Kurukshetra	06th and 07th March 2025

Patent Filed and Published:

S. No.	Patent Details	Name of Patentee	File No & Date of Publication	Patent granted by International/National/ State/Central Agency
1	A System of Meta-Heuristic Model of Feature Selection for Sentiment Analysis	Arpita, Dr. Pardeep Kumar, **Dr. Kanwal Garg**	File No.: 202111048903A Date of Publication: 05/11/2021	Controller General of Patents, Designs & Trade Mark, Intellectual Property India.
2	Shield for Drying Apparatus	Popli Renu Kansal Isha Goyal, Nitin Goyal, **Kanwal Garg**, Shalli Kumar, Rajeev Geetanjali	File No.: 202111018493A Date of Publication: 24/02/2023	Controller General of Patents, Designs & Trade Mark, Intellectual Property India.
3	System and Method For Video De-fogging	Kansal Isha Popli Renu, Goyal Nitin, Geetanjali Prasad, Devender Singh, Dinesh Kumar, **Garg Kanwal**	File No.: 202111029841A Date of Publication: 24/02/2023	Controller General of Patents, Designs & Trade Mark, Intellectual Property India.
4	IOT Based Intelligent Foldable Ceiling Fan	Popli Renu, Batra Sahil, Kansal Isha, Kumar Rajeev, Kaur Amandeep, **Garg Kanwal**, Goyal Nitin	File No.: 202311054947A Date of Publication: 15/09/2023	Controller General of Patents, Designs & Trade Mark, Intellectual Property India
5	Privacy Preserved Classification System For Searching Wifi Connected Devices Through Indoor Localization	Renu Popli, Rajeev Kumar, Vikas Khullar, Isha Kansal, **Kanwal Garg**, Vivek Bhardwaj, Arvind Sharma	File No.: 202411026919 A Date of Publication: 03/05/2024	Controller General of Patents, Designs & Trade Mark, Intellectual Property India..

| 6 | Automation Solutions for Material Handling Using Machine Trained Robots | Dr. Tajinder Kumar, **Dr. Kanwal Garg**, Yashdeep Raj, Dr. Rishi Sarup Sharma, Dr. Ankita, Dr. Vivek Sharma, Dr. Sanjay Tyagi | File No.: 202411104401 A Date of Publication: 10/01/2025 | Controller General of Patents, Designs & Trade Mark, Intellectual Property India. |

Research Publication (Chapter in Books/ Monograph) Other Than Journal Articles:

S. No.	Chapters in a book/ Monograph	Title with name of authors as appearing in the publication	Book Title, editor, Publisher, Year, Page Numbers	Whether published by international publishers or National/ State and Central Govt./ Local publications with ISSN/ ISBN No./ Monographs published without ISBN/ ISSN No./ Edited conference proceedings. Business games/ case studies etc.
1	July 2015 – June 2016	Chapter 1 to Chapter 11	Writer: Dr. Kanwal Garg Vetter: Prof. Rajender Nath	Subject Code: CS-DE-14 (Database Management System) For Distance Education Department, Kurukshetra University, Kurukshetra.
2	July 2015 – June 2016	Chapter 1 to Chapter 13	Writer: Dr. Kanwal Garg Vetter: Prof. Rakesh Kumar	Subject Code : CS-DE-34 (Advances in Database) For Distance Education Department, Kurukshetra University, Kurukshetra.
3	July 2015 – June 2016	Chapter 1 to Chapter 13	Writer: Dr. Kanwal Garg Vetter: Prof. Rakesh Kumar	Subject Code : CS-DE-35(IV) (Programming in Java) For Distance Education Department, Kurukshetra University, Kurukshetra.
4	July 2018 – June 2019	Chapter 1 to Chapter 12	Writer: Dr. Kanwal Garg Vetter: Prof. Rakesh Kumar	Subject Code : PGDBA- 105 (Data Mining and Visualization) For Distance Education Department, Kurukshetra University, Kurukshetra.
5	July 2018 – June 2019	Chapter 1 to Chapter 5	Writer: Dr. Kanwal Garg Vetter: Prof. Rakesh Kumar	Subject Code : BCA- 106 (E-Commerce) For Distance Education Department, Kurukshetra University, Kurukshetra.
6	Chapter 16	Real-Time Data Transfer in Marine Environment Monitoring Applications,	Renu Popli, Isha Kansal, Kanwal Garg	Published in Energy- Efficient Underwater Wireless Communications and Networking, IGI Global, 04-09-2020, pp. 247-261. (an imprint of IGI Global), 701-E, Chocolate Avenue, PA, USA 17033.DOI: 10.4018/978-1-7998-3640-7.ch016 ISBN-13: 978-1799836407

Development and Delivery of Subject Content for Online Courses Under Centre for Distance and Online Education (CDOE), Kurukshetra University, Kurukshetra using 2 Quadrants namely e-tutorial and e-Self-Assessment.

Sr. No.	Class	Paper Code	Paper Title	No. of Modules

1	Diploma Program in Cyber Security	CS-12	Database System	12
2	Diploma Course in Data Analytics	DA-12	Introduction to Data Analytics	12
3	Certificate Course in Full Stack Development	FSD-4-12	Database System	12
4	Master of Computer Applications (MCA)	MCA-20-23	Advanced Database Systems	12
5	Master of Business Administration	MBAD-202	Computer Applications in Management	12
6	Master of Computer Applications	MCA-20-26	S/W Lab – III Based on MCA-2021 and MCA-20-23	03
7	Master of Computer Applications	MCA-20-32	Data Mining and Integration Using R	12
8	Master of Computer Applications	MCA-20-36	SW Lab Based on MCA-20-32 (Data Mining and Integration Using R	07
9	Master of Computer Applications	MCA-20-41	Big Data and Pattern Recognition	12
10	Master of Computer Applications	MCA-20-46	MCA-20-46: S/W Lab based on MCA-20-41	03
11	Master of Business Administration (IT)	MBADITM-405	E-Commerce	12
12	Master of Business Administration (IT)	MBADITM-401	Data Warehousing and Mining	12
13	Master of Business Administration (IT)	MBADITM-303	Relational Database Management System	12
14	Master of Business Administration (Business Analytics)	MBADBA-303	Data Mining and Data Warehousing	12

Books Published Other Than Refereed Journal Articles or Chapter in Books:

S. No.	Whether text or reference book published by International publishers/ subject books by National Level publishers or State and Central Govt. Publications with ISSN No./ ISBN No./ subject books by other local publishers with ISSN/ ISBN No.	Title with name of authors as appearing in the publication	Book Title, editor, Publisher, Year, Page Numbers	ISSN/ ISBN No. if any
1	Text/ Reference Book	Dr. Kanwal Garg & Er. Ravi Barwal	Database Management System, published by Bharat Publication, New Delhi. First Edition 2015. pp. 1-300.	ISBN No.: ISBN-13: 978-93-81252-78-9
2	Text/ Reference Book	Dr. Kanwal Garg & Dr. Bharat Bhushan	Office Automation Tool, published by Bharat Publication, New Delhi. First Edition 2015. pp. 1-244	ISBN No.: 978-93-81252-86-4

Research Guidance:

Program / Course	Degree Awarded & Pursuing
Ph.D.: Thesis	Degree Awarded: 04 & Pursuing: 04 (Including 1 International Scholar)
M. Tech. (CSE): Dissertation	Degree Awarded: more than 19 & Pursuing: 1
MCA: Project Report	Degree Awarded: more than 153 & Pursuing: 11
M.Sc. (CS): Project Report	Degree Awarded: more than 71 & Pursuing: 7

Refresher Courses, Methodology Workshops, Training Courses, Teaching-Learning-Evaluation Technology, Soft-skill Development Programmes, Faculty Development Programmes etc. Attended:

S. No.	Programme	Duration	Organized By
1	National Workshop on Quality Assurance in Higher Education-Sharing the Best Practices	01- Day (10-12-2004)	Maharaja Agrasen College, Jagadhri
2	National Level Seminar on Career Growth & Personality Development	01- Day (2004-05)	Maharaja Agrasen Institute of Management and Technology, Jagadhri
3	India's Economic Reforms and Development over the Last 15 year's	01- Day (21-12-2004)	Maharaja Agrasen College, Jagadhri
4	Management Development Programme on Effective Business Communications	01- Day (06-05-2006)	Maharaja Agrasen Institute of Management and Technology, Jagadhri
5	Faculty Development Programme	06- Days (04-12-2006 to 09-12-2006)	Maharaja Agrasen College, Jagadhri
6	Research Methods in Business Management.	02- Days (26-03-2008 to 27-03-2008)	Haryana School of Business, Guru Jambheshwar University of Sc. & Tech., Hisar
7	Development of Self Learning Study Material	03- Days (31-07-2209 to 02-08-2009)	M.M. Institute of Distance Education, M. M. University, Mullana (Ambala)
8	Mission 10X (High Impact Teaching Skills) organized by WIPRO.	05- Days (04-01-2010 to 08-01-2010)	M.M. Engineering College, M.M.University, Mullana (Ambala)
9	Overall Role & Responsibilities of Faculty in a Professional Institute.(MCA/BCA Curriculum)	01- Day (08-02-2010)	MMICT &BM, M.M.University, Mullana (Ambala)
10	Campus Connect Soft Skills	03- Day (17-08-2010 to 19-08, 2010)	Infosys Technologies Ltd., Chandigarh
11	Crime Against Women	01- Day (13-09-2010)	M.M. Engineering College, M.M.University, Mullana (Ambala)
12	Orientation Program	04- Weeks (10-05-2011 to 06-06-2011)	UGC- Academic Staff College, Kurukshetra University, Kurukshetra
13	National e-Governance Plan (NeGP)	01- Day (23-04-2013)	Dept. of Electronics and Information Technology, Kurukshetra University, Kurukshetra
14	Two-Week ISTE Workshop on Database Management Systems conducted by IIT Bombay under the National Mission on Education Through ICT (MHRD, govt. of India)	02– Week (21-05-2013 to 31-05-2013)	Electronic Science Department, KUK.
15	Refresher Course	04- Weeks (June 18-06-2013 to 08-07- 2013)	UGC- Academic Staff College, Kurukshetra University, Kurukshetra
16	Workshop on Curriculum Revision	02- Days (12-11-2013 to 13-11-2013)	DCSA, Kurukshetra
17	Attended four days training programme on "Rational Software Architect" by IBM.	04- days (12-05-2014 to 15-05-2014)	DCSA, Kurukshetra

18	Attended a One Week ISTE Coordinators Workshop, Conducted by IIT Bombay under the National Mission on Education Through ICT (MHRD, govt. of India).	01- Week (17-05-2014 to 21-05-2014)	IIT Bombay
19	Attended a Two-Week ISTE Workshop. (one week of equivalent work completed online from 20th May to 15th June 2014 and Physical participation at remote centre.	01- Week (16-06-2014 to 21-06-2014)	Geeta Institute of Management & Technology, Kurukshetra
20	Refresher Course in Information Technology	04- Weeks (June 22-06-2015 to 11-07-2015)	UGC- Academic Staff College, Kurukshetra University, Kurukshetra
20	Interdisciplinary Refresher Course in IT	03- Weeks (24-10-2017 to 13-11-2017)	UGC- Human Resource Development Centre, Kurukshetra University, Kurukshetra
21	FDP on Employability and Soft Skill Development	01- Week (26-08-2019 to 31-08-2019)	Kurukshetra University, Kurukshetra
22	FDP on Entrepreneurship Development	01- Week (21- 09-2019 to 25-09-2019)	Kurukshetra University, Kurukshetra
23	Online Course on Examination Reforms	04-Days (15-04-2020 to 18-04-2020)	AICTE, New Delhi
24	FDP on R Programming	01- Week (27- 04-2020 to 01-05-2020)	MMICT & BM, M.M.University, Mullana Ambala in association with IIT Bombay Spoken Tutorials.
25	Webinar on Digital Platform and Resources for Effective Teaching and Learning in Higher Education	02- Days (27-04-2020 to 28-04-2020)	Faculty Development Centre, Kurukshetra University, Kurukshetra
26	Webinar on Enhancing Research Effectiveness using Scopus, Science Direct, and Mandalay.	01- Day (01-05-2020)	Faculty Development Centre, Kurukshetra University, Kurukshetra in collaboration with ELSEVIER.
27	International Workshop on COVID-19 Mass Disaster & Possible Management: Challenges for Immediate Future	02- Days (05-05-2020 to 06-05-2020)	India International Intellectual Society (IIIS) in association with Central University, Pondicherry and DCRUST Murthal.
28	Webinar on How to Use ProQuest During Lockdown Period	01- Day (06-05-2020)	ProQuest in Collaboration With Faculty Development Centre, Kurukshetra University, Kurukshetra
29	Webinar on Good to Great	01- Day (20-05-2020)	Department of Computer Science and Engineering CMR Engineering College.
30	International Webinar Series Erudite Talk on Artificial Intelligence	01- Day (24-05-2020)	IEEE student branch chapter of St. Joseph's College of Engineering, Chennai, Tamil Nadu
31	e-Paricharcha a series of Webinar on Scientific Innovations for Import Substitution and Economic Growth of India	02- Day(24-05-2020 to 25-05-2020)	Rajasthan Vigyan Bharti
32	International Webinar Series Erudite Talk on The Physical Limitations of Electric Machines	01- Day (26-05-2020)	IEEE student branch chapter of St. Joseph's College of Engineering, Chennai, Tamil Nadu
33	FDP on Outcome Based Education and Accreditation	05- Days (25-05-2020 to 29-05-2020)	IILM College of Engineering & Technology.
34	Webinar on Art of Writing Research Paper	01- Day (29-05-2020)	University School of Information and Communication Technology, Gautam

			Buddha University, Greater Noida, UP, India- 201312
35	Webinar on Introduction and Deep Learning Model for Predictive Analysis	01- Day (30-05-2020)	Department of Information Technology, St. Joseph's College of Engineering, Chennai, Tamil Nadu
36	FDP on Evolution from Offline to Online Teaching	05- Days (30-05-2020 to 03-06-2020)	IQA Cell and FDP Committee (Satish Pradhan Dnyanasadhana College, Thane) in association with Department of Information Technology, University of Mumbai and Microsoft.
37	Webinar (SAGE TALK) on Recent Advances in Cloud & Edge Computing and the Aneka 5G Cloud Platform	01- Day (02-06-2020)	Department of Computer Science and Engineering, Sagar Institute of Research & Technology, Bhopal
38	Webinar on A Perspective View on Artificial Intelligence	01- Day (02-06-2020)	Department of Computer Electronics and Communication Engineering, Shree Dattha Institute of Engineering and Science.
39	FDP Program on Recent Trends in Research- Special Reference to Data Analytics	01- Day (03-06-2020)	Amity Institute of Information Technology, Amity University, Uttar Pradesh.
40	FDP on Magical Shift Towards Cloud Computing	05 –Day (12-10-2020 to 16-10-2020)	Department of Computer Science & Engineering, Chitkara University.
41	Webinar on Default is Digital- Trends and Opportunities	01 –Day (12- 06-2021	IEEE Delhi Section & Industry Institute Participation Cell (IIPC), AICTE Organized by Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.
42	Webinar on the Art of Drone Technologies	01 –Day (12-03-2022	IEEE Delhi Section & Industry Institute Participation Cell (IIPC), AICTE Organized by Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.
43	Webinar on Randomization Based Deep and Shallow Learning for Classification	1 –Day (19-03-2022)	IEEE Delhi Section & Industry Institute Participation Cell (IIPC), AICTE Organized by Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.
44	Webinar on Digital Humanities	1 –Day (26-03-2022)	IEEE Delhi Section & Industry Institute Participation Cell (IIPC), AICTE Organized by Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.
45	Computing for Sustainable Global Development	1 –Day (23-03-2022)	IEEE Delhi Section & Industry Institute Participation Cell (IIPC), AICTE Organized by Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.
46	Webinar on Cyber Welfare, Cyber Security and Cyber Citizenship	1 –Day (09-04-2022)	IEEE Delhi Section & Industry Institute Participation Cell (IIPC), AICTE Organized by Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.
47	Webinar on Data Science & its Applications	1 –Day (22-08-2022)	IEEE Delhi Section & Industry Institute Participation Cell (IIPC), AICTE Organized by Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.

Invited Lectures/ Presentations, or Sessions Chaired at National or International Conference/ Seminars/ Workshops/ Symposia etc.:

S. No.	Title of Lecture/ Academic Session Chaired	Title of Conference/ Seminar etc.	Date(s) of the Event	Organized By
1	"Data Mining Tools and Techniques for its Application in Life Insurance Sector in India"	Key Note Speaker in a National Conference	24th May 2008	Apee Jay Institute of Management, Jalandhar
2	E-wastage Constituents & its Solution	Guest Lecture	17th November 2009`	Tilak Raj Chadha Institute of Management & Technology, YNR.
3	Concept and Application of Data Mining Techniques in Bioinformatics	Guest Lecture in a Workshop	19th December 2009	NDRI, Karnal
4	Innovative Practices in Management and Information Technology for Excellence	Session chair	8th May 2010	MAIMT, Jagadhri
5	Data Reduction through Principal Component Analysis.	Resource Person in UGC Sponsored National Seminar on IT Prospectus – 2020.	14-15th Sept. 2010	Hindu Girls College, Jagadhri
6	Commerce Electronically-Present Scenario	Guest Lecture	24th March 2012	Guru Nanak Khalsa College, Yamuna Nagar
7	System Simulation	Guest Lecture	21st – 22nd April 2012.	Guru Nanak Khalsa College, Karnal
8	Session chair	National Conference on "Emerging Computing Technology in Changing global Scenario"	23rd February 2013.	Kalpi Institute of Technology, Kalpi (Ambala)
9	Guest Lecture	"Data Mining and Research Methodology"	15th October 2013	Haryana Engineering College, Jagadhri.
10	Guest Lecture	"Data Mining and Data Warehousing"	08th December 2014	Galaxy Global Educational Trust's Group of Institutions, Ambala
11	Resource Person	Comparison of Various Classification Algorithm Used in Data Management	12th – 14th February 2015	National Workshop on Emerging Trends in Sciences, DAV College (Lahore) Ambala City
12	Guest Lecture	Classification and Prediction Techniques	April 16th , 2015	Tilak Raj Chadha Institute of Management & Technology (TIMT), YNR.
13	Guest Lecture	Classification and Prediction Techniques	April 16th , 2015	MAIMT, Jagadhri
14	Session Chair & Resource Person	6th National Conference on Engineering, Management and Apparel & Textile Technology	February 21st , 2015	Galaxy Global Group of Institutions, Kurukshetra
15	Guest Lecture Basics of Databases	------	August 21st , 2015	Seth Navrang Rai Lohia Jai Ram Girls college, Lohar Majra, Kurukshetra
16	Guest Lecture PC Software	------	October 29th & 30th , 2015	S D College (Lahore) Ambala Cantt.
17	Guest Lecture	Recent Trends in Database and Applications	December 29th , 2017	Haryana Engineering College, Jagadhri.

18	Resource Person (Information and Communication Technology (ICT))	UGC NET Paper – 1 Coaching Cum Counseling Programme	July 09th, 2018	Mahatma Gandhi AIS Coaching Institute, KUK
19	Resource Person (Big Data in Today's Scenario)	Refresher Course in IT (Interdisciplinary)	December 07th 2018	Dept. of Computer Sc. & Appls., KUK and UGC HRDC, KUK
20	Resource Person (Data All Around)	Refresher Course in IT (Interdisciplinary)	December 11th 2018	Dept. of Computer Sc. & Appls., KUK and UGC HRDC, KUK
21	Guest Lecture	Data Mining Techniques	February 07th 2019	SD College (Lahore), Ambala Cantt.
22	Guest Lecture	Data and Web Mining Techniques	March 15th 2019	SD College (Lahore), Ambala Cantt.
23	Resource Person	E-Commerce: The Better Way to Financial Inclusion	March 26th 2019	SNRL Jairam Girls College, Kurukshetra
24	Guest Lecture	Advance Database Applications	6th February 2020	SD College (Lahore), Ambala Cantt.
25	Guest Lecture	Web Database & XML	24th February 2020	SD College (Lahore), Ambala Cantt.
26	Resource Person on Training of MS-Word & Other Office Tools	Competence Building Program for the Support Staff of University	02nd March 2021	One Week Professional Development Program (PDP) for Non-Academic Group B and C organized by TP&MC, KUK.
27	Resource Person on Training of MS-Word & Other Office Tools	Competence Building Program for the Support Staff of University	03rd March 2021	One Week Professional Development Program (PDP) for Non-Academic Group B and C organized by TP&MC, KUK.
28	Resource Person on Training of Assistants on One Week Refresher Course	Competence Building Program for the Support Staff of University	26th May 2022	One Week Professional Development Program (PDP) for Non-Academic Group B and C organized by TP&MC, KUK.
29	Tool of Mail Merge	Guest Lecture in One Week Refresher Course for "Competence Building of Assistants on Office Automation (**Batch- I**)"	23rd February 2023.	Training, Planning and Monitoring Cell (TPMC) Kurukshetra University Kurukshetra
30	Tool of Mail Merge	Guest Lecture in One Week Refresher Course for "Competence Building of Assistants on Office Automation (**Batch- II**)"	23rd February 2023.	Training, Planning and Monitoring Cell (TPMC) Kurukshetra University Kurukshetra
31	Working with DBMS Software	Resource Person	01st April 2023	Markanda National College, Shahbad-Kurukshetra
32	The Need for Better Literacy & Types of Data Analytics	Data Analytics for Developing Specialist Investigators under the aegis of BPR&D, New Delhi (SI to DSP)	07/12/2023 (10:00 AM to 11:30 AM & 12:00 noon to 1:30 PM)	Haryana Police Academy, Madhuban, Karnal
33	Data Literacy and Data Analytics	Resource Person (4-Week Online Faculty Induction Programme in collaboration with UGC- Malaviya	Dated: 23/12/2023 (10:00 AM to 11:30 AM)	Institute of Management Studies (IMS), Kurukshetra University Kurukshetra)

		Mission Teacher Training Centre.		
34	Data Product and Algorithms	Drone Technology Interception & Investigations for Development of Specialist Investigation Officers under the aegis of BPR&D, New Delhi for SI to DSP from 08.01.2024 to 12.01.2024 (offline)	Resource Person 10:00 AM to 11:30 AM Dated 10.01.2024	Haryana Police Academy, Madhuban, Karnal
35	Data Literacy and Data Analytics	Resource Person in One Week Short Term Course on Artificial Intelligence and Data Analytics, Dated 26th February - 2nd March 2024. Venue: DCSA, Kurukshetra University Kurukshetra Sposored By: Primo Chemicals Ltd. Chandigarh under CSR Initiatives	Dated: 29-02-2024 Time 12:00 Noon to 1:30 PM	Kurukshetra University Centre For Training, Internship & Employment (KUCTIE)
36	Machine Learning and Deep Learning	Session Chair 1st International Conference on Innovation & Emerging Trends in Computing & Information Technology (IETCIT-2024).	Dated: 02-03-2024 Time: 10:00 AM to 12:00 AM	University Institute of Computing, Chandigarh University , Punjab, India.
37	Empowering the Future: Information and Communication Technology	Resource Person at 7th NEP Orientation & Sensitization Programme organized by UGC-Malaviya Mission Teacher Training Centre, Kurukshetra University, Kurukshetra from 04-03-2024 to 16-03-2024.	Dated: 05-03-2024	UGC-Malaviya Mission Teacher Training Centre, Kurukshetra University, Kurukshetra from 04-03-2024 to 16-03-2024.
38	Effectiveness of ICT Integration	17th NEP Orientation & Sensitization Programme	Resource Person Dated: 08-08-2024 at 3:45 pm to 5:15 pm	UGC-Malaviya Mission Teacher Training Centre, Kurukshetra University, Kurukshetra from 29-07-2024 to 10-08-2024.
39	Empowering Educators: ICT Advancements and Data Analytics for Teachers	Resource Person at UGC Sponsored 5th 4-Week Online Faculty Induction Program	Dated: 10-10-2024	UGC-Malaviya Mission Teacher Training Centre, Kurukshetra University, Kurukshetra in collaboration with IMS KUK.
40	About ICT and Advancements in ICT	Resource Person in 21st NEP Orientation & Sensitization Programme	Dated: 20-11-2024	UGC-Malaviya Mission Teacher Training Centre, Kurukshetra University, Kurukshetra from 18-11-2024 to 30-11-2024.
41	Role of ICT in Education	Resource Person in 23rd NEP Orientation & Sensitization Programme	Dated: 28-01-2025 (Time 2:00 PM to 3:30 PM)	UGC-Malaviya Mission Teacher Training Centre, Kurukshetra University, Kurukshetra from 20-01-2025 to 01-02-2025.

| 42 | Present and Future of ICT | Resource Person in 26th NEP Orientation & Sensitization Programme | Dated: 24-04-2025 (Time 2:00 PM to 3:30 PM) | UGC-Malaviya Mission Teacher Training Centre, Kurukshetra University, Kurukshetra from 16-04-2025 to 25-04-2025. |

Organization of Refresher Courses/ Conferences/ Seminars/ Workshops/ Symposia etc.:

S. No.	Title of Conference/ Seminar etc.	Date(s) of the event	Organized by	As a member of organizing/ advisory committee
1	One Week SDP on Entrepreneurship Development	13th- 18th October 2019	Centre for Entrepreneurship (RUSA 2.0) Kurukshetra University, Kurukshetra	Member, Organizing Committee
2	Entrepreneurship Training on Organic Farming	9th - 11th January 2020	Centre for Entrepreneurship (RUSA 2.0) Kurukshetra University, Kurukshetra	Member, Organizing Committee
3	Entrepreneurship Workshop on Mobile Application Development Using React Native	11th – 20th January 2020	Centre for Entrepreneurship (RUSA 2.0) Kurukshetra University, Kurukshetra	Workshop Coordinator
4	Workshop on "Employability, Entrepreneurship and Life Skills"	04th - 13th February 2021	Centre for Entrepreneurship (RUSA 2.0) Kurukshetra University, Kurukshetra	Member, Organizing Committee
5	Three Day Workshop on "Intellectual Property Rights (IPR)"	12th -14th March 2021	TEQIP-III sponsored workshop organized by Dept. of Computer Science & Applications, KUK	Member, Organizing Committee
6	One Week Short Term Course on "Advances in Biometric Security and Image Processing"	15th - 19th March 2021	TEQIP-III sponsored workshop organized by Dept. of Computer Science & Applications, KUK	Organizing Secretary
7	Workshop on Employability, Entrepreneurship and Life Skills	8th -17th January2022	Centre for Entrepreneurship Under Rashtriya Uchchatar Shiksha Abhiyan (RUSA 2.0) Kurukshetra University, Kurukshetra	Member, Organizing Committee
8	One - Day Webinar on Artificial Intelligence and Machine Learning (All discipline)	20-02-2023	UGC- Human Resource Development Centre, Kurukshetra University Kurukshetra	Coordinator
9	One-Day Workshop on "Current Trends in IT Industry and Government Initiatives"	01-09-2023	Organized by Dept. of Computer Science & Applications, KUK in collaboration with Kurukshetra University Kurukshetra Alumni Association (KUKAA)	Programme Coordinator
10	2-Week Online Multidisciplinary Refresher Course in Information Technology (An Initiative for Quality Enhancement in Teaching-Learning & Research)	26-10-2023 to 08-11-2023	UGC- Malaviva Mission Teacher Training Centre, Kurukshetra University Kurukshetra	Co-coordinator
11	1-Week Online Short Term Course of Digital Learning (All Discipline)	05-02-2024 to 10-02-2024	UGC- Malaviva Mission Teacher Training Centre, Kurukshetra University Kurukshetra	Co-coordinator

Academic Contribution and Learning at Work Place:

S. No.	Caption	From (Date)	To (Date)
1	Member, UGBOS, Dept. of Computer Science & Applications, KUK	24.03.2014	23.03.2016

		11.04.2018	10.04.2020
		21.06.2024	20.06.2026
2	Member, PGBOS, Dept. of Computer Science & Applications, KUK	29.03.2012	28.03.2014
		11.04.2018	10.04.2020
		19.02.2024	18.02.2026
3	Member, Project Action Group for Centre for IT and Automation (CITA), Kurukshetra University Kurukshetra	19-12-2018	Till Date
4	Member, Project Action Group for Centre for Entrepreneurship, KUK	03-10-2019	Till Date
5	Member, Project Action Group for Training Planning and Monitoring Cell (TPMC), KUK	28-04-2021	Till Date
6	Faculty Coordinator, Kurukshetra University Technology Incubation Centre (KUTIC), KUK	Session (2021-2023)	
7	Nodal Officer, PMSSS of AICTE for Dept. of Computer Science & Applications, KUK	Session (2023-2024)	
8	Actively involved in designing the Constitution of Kurukshetra University Kurukshetra Alumni Association (KUKAA) for KUKAA registration in Haryana Registration and Regulation of Societies Act, 2012.		
9	Member, Sub-Committee related to NAAC Criteria- IV of SSR (Letter No. NAAC/22/275 (1-38)) dated: 14-12-2022.		
10	Appointed as Special Observer by Registrar, KUK to check various examination centres of Kurukshetra University Kurukshetra (Letter No. RPS/23/814-16 dated 11-01-2023).		
11	Appointed as Special Observer by DR (Conduct), KUK for proctoring the Centre's of Examination at Ambala District (CT-I/2020/12427 dated 15-09-2020).		
12	Appointed as Centre Superintendent by DR (Conduct), KUK every year since 2021 to conduct various entrance test for admission in the UTDs/ Institutes/ Colleges of Kurukshetra University Campus.		
13	Member, Purchase Committee Constituted by Hon'ble Vice- Chancellor, Kurukshetra University. (DYCA/2018-1589-92 dated 02-02-2018 & Gen/ G-II/21/2934-2947 dated 13-07-2021).		
14	Appointed as Election Commissioner's Representative for Kurukshetra University Campus Student's Council (KUCSC, Session 2018-19).		
15	Certificate of Appreciation by KUTA, KUK (Sr. No. 36, dated: 27-04-2023).		
16	Member, Inspection Committee duly appointed by Dean of Colleges, Kurukshetra University Kurukshetra.		
17	Member, Unfair Means Cases Committee for the examination held in April 2024 (Letter No. UMC/A-III/24/10015 dated: 17-05-2024) and December 2024 (Letter No. UMC/A-III/24/27958-88 dated: 26-11-2024).		

Date: _____   **(Dr. Kanwal Garg)**