

Dr. Karuna Nidhi Pandagre

Associate Professor

MCA Department

Bansal Institute of Science and Technology, Bhopal.

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Date of Birth: 26 Oct.1983

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**Summary**

Motivating and talented Adjunct Professor/Education Specialist with 14 + years of experience driven to inspire students to pursue academic and personal excellence. Strives to create a challenging and engaging learning environment in which students become life-long scholars and learners. Experience in Employee Relations, Counseling & correct guideline to students.

Skills: Positive Approach with good Mindset ,Curriculum Development, Faculty Development, Classroom Scheduling, Senior Graduation Advising and Mentoring, Collaborations both Intra/interinstitutional Campus Initiatives, And Ethos.

Professional/Academic/Researcher Identification

S.No	Name of Professional Organization/Body/Platform	Identification/URL
1	BIST,Bhopal	Associate Professor
2	Google Scholar	https://scholar.google.com/citations?user=JyB85DIAAAAJ&hl=en
3	ORCID ID	https://orcid.org/0000-0001-9122-7275
4	LinkedIn ID	https://www.linkedin.com/in/dr-karuna-nidhi-pandagre-724628169/
5	Web of Science Research rid	https://publons.com/researcher/ABR-6357-2022/
6	Scopus Id	58138672700
7	Vidwan ID	https://vidwan.inflibnet.ac.in/profile/125697

Reference Person

1.**Dr. Seema Saxena, Professor, State Project Administrator (SPA), State Project Implementation Unit (TEQIP III) Govt. of Madhya Pradesh, Dept. of Technical Education & Skill Development Tagore Hostel, Shyamla Hills. 09425013563**

2.**Dr. Ravindra Patel, Head & Professor, Department of Computer Application, UIT RGPV Bhopal,9425438692.**

Academic Record

- Awarded Ph.D Topic “**Optimization of Association Rule Mining Using Genetic Algorithm**” from Rabindranath Tagore University Bhopal (MP) in **2019**.
- Master of Computer Applications from IGNOU Bhopal.
- Bachelor of Education (B.Ed) from Barkatullah University, Bhopal (MP).
- Bachelor of Commerce with (Computer Application) from Barkatullah University, Bhopal (MP).
- Higher Secondary (12th) from CBSE, Bhopal.
- High School (10th) from CBSE, Bhopal.

Project-Guide

- M. Tech Coordinator.
- Guiding B.Tech, M.Tech, MCA . Students.

Academic Experience

- Associate Professor in Department of MCA at Bansal Institute of Science and Technology, Bhopal from October 2021 to till Date.
- Assistant Professor in Department of Computer Science at Career College, Bhopal from 2011 to September 2021.
- Empanelled as an Academic Counselor at IGNOU study center.

Technical Experience

- Technical Analyst in Department of Computer Applications at University Institute of Technology, Bhopal (MP), from 2007 to July 2011.

Exposure of NAAC (Total 3 times)

- Coordinator of Criteria 3 in NAAC Criteria Committee (Bansal Institute of Science and Technology, Bhopal) and get B+ grade Ist Cycle from 2021 October to till Date.
- In past active member in NAAC Criteria Committee represent Career College, Bhopal (2013-2021 and score B+ and A+ grade).

Membership of Academic Bodies:

1. Appointed as a Reviewer in Advances in Science, Technology and Engineering Systems Journal (ASTESJ).
2. Appointed as a Board Member in International Journal of Information Technology (IJIT).
3. Life Time Membership of the International Association of Engineers (IAENG): Member No: 208308.
4. Member of The Society of Digital Information and Wireless (SDIWC): ID: 27369.
5. Member of Universal Association of Computer and Electronics Engineers.ID: SNM10100059910.

6. Life Time Membership of Vigyan Bharati.
7. Member of Bharati Vidyapeeth's Institute of Computer Application and Management (BVICAM) ID: 2014.

Administrative Experience at Departmental /Institutional level:

1. Appointed as a **NPTEL SPOC**- Coordinator at Bansal Institute of Science and Technology,Bhopal.
2. IPR –IPR Cell Coordinator at BIST Bhopal.
3. TG/NBA work also done at Department level.
4. Appointed as a Superintendent/Assistant Superintendent in Barkatullah University, Bhopal Examination Control Room.
5. Member of Organizing committee in National Conference on “Innovative and Emerging Trends in Information Technology”, on 27-28 September, 2013 at Career College, Bhopal.
6. Indeed committee member in Various Activities in Career College, Bhopal.
7. Representative of various activities in Institutional Social Responsibility (ISR).

Expert Lectures: 9 (National/State)

1. Invited as an Expert Speaker in Govt. Geetanjali Girls College, Bhopal for PG students on 17-02-2023.
2. Invited as a Plenary Speaker during the National Seminar Conducted by Swami Vivekananda Subharthi University, in association with University G 20 conclave 2023 on the topic-**Oneness is the secret of Everything-Swami Vivekananda on Enlightening the Youth** “conducted on 14th January 2023.
3. Appointed as a trainer for Class 1, class 2 officers (**Animal Husbandry Department**) From RCPV Academy Bhopal in (2-6) January 2023.
4. Key note Speaker in Sri Shasun Jain College for Women, Chennai. FDP series on Journal Writing on **Enhance your effective research writing through the latest programming tools** organised by the IQAC in Collaboration with London Business University, Singapore held in 25th November 2022.
5. Keynote speaker in six days national level Faculty Development Program on Innovative Strategies in Teaching-Learning Process (**GSS Jain College for women veprey,Chennai**)
6. Appointed as a trainer for Class 1, class 2 officers (**Animal Husbandry Department**) From RCPV Academy Bhopal in (12-16) September 2022.
7. Resource Person for Workshop on “ **Google Classroom**” at Sagar Institute of Research and Technology, Excellence ,Bhopal for Computer Science department faculty on 23/12/19.
8. Resource Person for Expert lecture on “**Google techniques with classroom**” and “**Internet Security**” at Sagar Institute of Research and Technology, Excellence, for Computer Science department students Bhopal on 8/01/2020.
9. Guest Speaker for Expert lecture on “**A path of Data Mining with Big Data**” under **SAGE TALK** series on 7th July, 2020 at **SAGE**.

Certification

1. Successfully Completed NPTEL online certification Funded by the Ministry of HRD, Govt. of India for the course **Data Base Management System** by IIT, Kharagpur on July-Sep 2019.
2. Certificate in Computing (CIC) with 52% from IGNOU.
3. Microsoft Office Specialist for office word 2007.
4. Completed **Coursera** certification course during Covid 19.
5. Successfully Completed Digital Marketing certification by **Google**.

Refresher Course

1. Successfully Completed Online refresher course on UGC-SPONSORED INTER/MULTI-DISCIPLINARY REFRESHER COURSE ON '**Data Science and Its Future Applications**' on 10-23 Dec 2021.
2. Successfully Completed Online refresher course on “**Teacher and Teaching in Higher Education**” on February 2020 from AICTE-Swayam.

Orientation Program

1. Attended Orientation Program on “MOOC...The Education of Future” at Sadhu Vaswani (Autonomous) College, Bhopal Sponsored by UGC.

Achievements

1. Reviewer in Many National/International Conferences-Microsoft CMT.
2. PhD Thesis review from different University
3. Active SPOC-NPTEL –Swayam-NPTEL Local Chapter (Bansal Institute of Science and Technology, Bhopal), based on Performace & participation of candidates for the Jan-Apr 2023 Semester.
4. Active SPOC-NPTEL –Swayam-NPTEL Local Chapter (Bansal Institute of Science and Technology, Bhopal), based on Performace & participation of candidates for the Jul-Dec 2022 Semester.
5. Reviewer in MISS-2023, ICCUBEA-2023, ICBMIA-2023, ICIASC and many more conferences.
6. Selected in Higher Education, MP, NEP-2020, E-Content module team.
7. Selected in Technical Program Committee in CIIR-2023 will be organised at Oriental Institute of Engineering and Management , Kolkata ,14-15 December 2023.
8. Selected in Technical Program Committee in 4th International Conference on Idea 2k22 will be organised at Oriental Institute of Science and Technology, Bhopal and the school of IT RGPV Bhopal, 23-24 Dec 2022.
9. Selected in Technical Program Committee in 6th International Conference on Advances in Computing and Data Sciences (ICACDS)-2022 will be organised at G Pullaiah College of Engineering and Technology with Ravindra College of Engineering for Women, Kurnool, Andhra Pradesh, India on April 22-23, 2022
10. Selected in Technical Program Committee in Sixth International Conference on Image Information Processing (ICIIP -2021) November 26 - 28, 2021, Jaypee University of Information Technology, Waknaghat, District Solan, Near Shimla, Himachal Pradesh, INDIA as a **member**.
11. Provide In-house Computer Training program for Career College Faculty.
12. Certificate for Appreciation in Plantation Drive.
13. Paper setter in various Universities.
14. Appointed as an external examiner from Barkatullah University affiliated Colleges and other Autonomous Colleges.
15. Volunteer in Mil Bache Abhiyan in MP Government Scheme 2018.
16. College Topper in B.Ed. from Millenium College Bhopal 2005.
17. Best Social Worker in Sri Satya Sai College for Women, Bhopal in 2003-2004.

Faculty Development Programme/STP:

1. Attend 5 days FDP Online on “Recent Trends in Cyber Security & Blockchain Technology ” IEEE from 28th June 2022 - 2nd July 2022 at Oriental Institute of Science and Technology Bhopal.
2. Attend 5 days FDP on “AICTE Training And Learning (ATAL) Academy Online FDP on " Emerging Trends in Internet of Things" from 2021-6-7 to 2021-6-11 at Acropolis Institute of Technology And Research - AITR.
3. Attend 5 days FDP on “AICTE Training And Learning (ATAL) Academy Online FDP on "**Data Sciences**" from 2020-9-7 to 2020-9-11 at Makhanlal Chaturvedi National University of Journalism and Communication.
4. Attend 5 days FDP on “**ANN and its Utilization in modeling and simulation**” on 13-17th January, 2020 at RGPV, Bhopal.
5. Attend 5 days STP on “**Data Analytics with Machine Learning is using Python**” on 26 Nov-30 Nov, 2019 at RGPV, Bhopal.
6. Attend 5 days FDP on “**Faculty Development Program for Student Induction**” on 1-5th July, 2019 at SATI, Vidisha Bhopal.
7. Attend 5 days FDP on “**Introduction to Machine learning**” on 17-21st December, 2018 at Government Engineering College, Jhalawar.
8. Attend 5 days STP on “**Soft Computing and Machine Learning**” on 5 Feb-9 Feb, 2018 at MANIT, Bhopal.
9. Attend 5 days STP on “**A Practical Approach towards Data Science & Artificial Intelligence**” on 29 May-2 June, 2018 at RGPV, Bhopal.
10. Attend 1 day FDP on “**SCILAB**” on 12 Sep, 2017 at Career College, Bhopal.
11. Attend 5 days FDP on “**WEKA**” on 19-22 July, 2017 at Career College, Bhopal.
12. Attend 6 days FDP on “**IOT**” on 10-15 Oct, 2017 at Aisect University Bhopal.
13. Attend 10 days FDP on “**Big Data**” on 1-10 Aug, 2016 at SIRT College Bhopal.

Workshop and Seminar:

1. Attend webinar on “**Product Development Using IOT**”, on 22nd April, 2023 at Faculty of Computer Applications, Marwadi University, Rajkot.
2. Attend Online FDP on “**Data Analytics & Cyber Security**”, on 23-25 March, 2023 at Matoshri Institute of Technology, Yeola
3. Attend FDP on “**Understanding SPSS for Analyzing Research Data**”, on 13-17 March, 2023 at School of Applied Management, RGPV, Bhopal.
4. Attend FDP on "**Machine Learning in Big Data Analytics, Principles, Techniques and Challenges**", Department of Computer Science and Engineering from 13th to 18th February, 2023 and secured “Grade-A+” in Final Assessment.
5. Attend FDP on “**Recent Trends in Computer Science**” organized by Department of Emerging Technologies in Computer Science (ECS) held from 20th to 24th December 2022, G.Pulla Reddy Nagar, Nandyal Road, Kurnool-518007, Andhra Pradesh, India.
6. Attend workshop on “**NPTEL Awareness workshop**”, on 14th November, 2019 at IEHE, Bhopal.
7. Attend three days’ workshop on “**Data Security & IPR**”, in Department of Computer Science & Engineering, UIT-RGPV Bhopal on 29-31st May, 2019.
8. Attend National seminar on “**Revised NAAC Framework: Evolving Trends in Quality**”, presented paper on “**Role of IQAC in Quality Enhancement in Higher education**” at Career College Bhopal on 5th January, 2019.
9. Attend two days National level workshop on “**Big Data Analytics with R**”, on 15-16th March, 2019 at Rabindranath Tagore University, Raipur.
10. Attend three days Seminar & Exhibition on “**Innovation and Opportunities in Building Materials and Housing Technologies**”, under TEQIP-III in SATI Vidisha on 1-3rd November, 2018.

11. Attend one day Seminar on **“Intellectual Property Rights (IPR)”**, presented paper on **“Intellectual property rights and computer software”** at Career College Bhopal on 20th May, 2018.
12. Attend one day Seminar on **“IQAC”**, presented paper on **“A model for IQAC to compare the departments of a college using NAAC’s New methodology of Assessment & Accreditation”** at Career College Bhopal on 10 Oct, 2017.
13. Attend two days’ workshop on **“Effective use of Social media for Quality Enhancement in Technical Education”**, at RGPV, Bhopal on 19- 20 Dec 2017.
14. Attend two days’ workshop on **“Urban Water Supply and Sanitation”**, at EPCO on 10- 11 Jan 2017.
15. Attend one day workshop on **“Cyber Security under TEQIP Phase-II”**, at RGPV on 17 Feb 2017.
16. Attend workshop on **“Research Methodology”**, on 23-24 Jan, 2016 at MANIT, Bhopal.
17. Attend two days seminar on **“Environment & Technology Innovation 2016”**, at Career College Bhopal on, 5-6 Feb 2016.
18. Attend one day workshop on **“SPOKEN TUTORIAL”**, at Career College Bhopal on 1st Oct, 2015.
19. Attend workshop on **“Research Methodology workshop on MATLAB”** on 2-3 May, 2015 at Aisect University Bhopal.
20. Attend National Seminar on **“National Seminar on "Recent Trends in Network Security”**, presented paper on **“Trust Establishment and Management in Wireless Networks Communication”**, on 13-14 March, 2015 at BSSS College Bhopal.
21. Attend National Seminar on **“Recent Trends in Science & Technology”** on 30-31 March, 2015 at Indian science Congress Association Bhopal Chapter.
22. Attend National Seminar on **“Innovation in Science and Technology for Inclusive Development”** on 26-27 March, 2014 at Indian science Congress Association Bhopal Chapter.
23. Attend one day seminar on **“Role of Mathematics in Science and engineering”** on 26th March 2013 at University Institute of technology, Bhopal.
24. Attend one day seminar on **“Mumbai Dabbawala on Supply Chain Management”** on 4th December, 2012 at Career College, Bhopal.
25. Attend one day seminar on **“IT Governance for large & Mid-Sized Organization”** on 9th August, 2012 at Career College, Bhopal.
26. Attend National Seminar on **“Chemistry and Environment”** on 28-29th April 2012 at Career College, Bhopal in collaboration with ISCA, Bhopal Chapter.
27. Attend National Seminar on **“Environmental Management”** on 28-29 February, 2012 at Govt.Arts & Commerce (Naveen) College, Bhopal.
28. Attend One day Seminar on **“Alternatives of Clean Energy & Nuclear Safety”** on 27 February, 2012 at RGPV, Bhopal.
29. Attend National Seminar on **“Current Perspectives in Qualitative Research”** on 9-10 February, 2012 at Sarojini Naidu Govt. Girls Post Graduate (Autonomous) College.

Book Published

1. **Principles of IOT Analytics** –Scientific International Publishing House (SIPH), ISBN: 978-93-5625-120-5.
2. **Programming in Problem Solving**-STL Academy –ISBN-978-93-85145-08-07
3. **OOPS Programming**: Under Review

Patent Application Publication

1. Category: Indian Patent, Application Number: 202241062660, Patent Application Title: **A secure routing protocol in opportunistic internet of things network using machine learning approach.**
2. Category: Indian Patent, Application Number: 202141027495, Patent Application Title: **Intelligent Covid Alarm System for the detection of Covid protocol Violation in Covidcare unit.**
3. Category: Australian Government –IP Australia, Application Number: 2021105094, Title of Innovation : **A Method For Executing A Prediction Model To Predict A Student's Career Related Targets After A Completion Of Their Graduation.**

Chapter Published-2

1. TITLE OF WORK: **Advancement of Contactless Technology and Service Innovation in Library and Information Science.** Chapter Title: **An Efficient Approach for Sending Identification Bit with the Help of Blowfish-RC6.** In IGI Global Company.
2. TITLE OF WORK: **Intelligent Technologies for Sensors-Applications, Design and Optimization for a smart world.** Chapter Title: **Medical Devices and Sensor Applications.** In Apple Academic Press.

Research Publications –SCI -01

1. SCI Paper in Wireless Network ,Springer-“ Applying machine learning enabled myriad fragment empirical modes in 5G communication to detect profile injection attacks” –Published on 14th March 2023

Research Publications-Conference –ICAI-2022, Springer -01

1. Research Paper entitled on “**A New Approach to Medical Disease Prediction Using Clustering and Classification Algorithm**” Published in International Conference on Artificial Intelligence and Internet of Things held on 4-5 April 2023,Jamshedpur,India.

International Journal: 13

1. Research Paper entitled on “**Analysis of Student Database using Association Rule Mining for making better Admission policy in HEIS**” Published in Advances in Mechanics – Volume 10 Issue 1, 2022,(Scopus listed)
2. Research Paper entitled on “**Big Data Learning through Text Analytics Labeled Compounds of the Iot Bio Environment**” Published in International Journal of Biology, Pharmacy and Allied Science (IJBPAS) – Volume 10 Special Issue 11, November-2021(UGC Approved Journal ,Web of Science listed)
3. Research Paper entitled on “**Detection of Arrhythmia Disease in ECG Signal Using Optimal Features**” Published in International Journal of Information Technology (IJIT),Volume 6 Issue 5, Sep-Oct 2020.
4. Research Paper entitled on “**A heuristic approach for Web Usage Mining (WUM) using Association Rule Mining through Genetic Algorithm**” Published in Journal of Emerging Technologies and Innovative Research in Volume-6, Issue 2, February 2019.
5. Research Paper entitled on “**Finding Optimized Frequent Pattern using Genetic**

Algorithm” Published in International Journal of Computer Sciences and Engineering IJCSE in Volume-7, Issue 1, January 2019.

6. Research Paper entitled on **“Efficient Algorithm and Framework for Interesting Patterns Generation for optimization of Association rule mining using genetic Algorithm for Social Networking Sites”** Published in International journal Computer Applications (IJCA) in Volume-181, Issue 11, August 2018.
7. Research Paper entitled on **“Efficient Approach for Finding Strong Patterns from Weblog using Web Usage Mining”** Published in International Journal of Engineering Science Invention (IJESI) in Volume-7, Issue 1, January 2018.
8. Research Paper entitled on **“Data Mining Techniques with Web Log: A Review”**, Published in International Journal of Advanced Research in Computer Science (IJARCS) in Vol.8, No. 7, July-August 2017.
9. Research Paper entitled on **“Vehicular Adhoc network: VANET”**, Published in International Journal of Research in Computer Application and Robotics in Vol.4 Issue2, Pg.: 29-32, 2 Jan 2016.
10. Research Paper entitled on **“Design and Implementation of an algorithm for finding frequent sequential traversal pattern from Web log Based on WEI”**, Published in International Journal of Computer Science and Information Technology Research in Vol. 3, Issue 2, April 2015 - June 2015.
11. Publish a Research Paper entitled **“Artificial Intelligence Robotics: Services And Future Roadmap”**, Published in International Journal of Innovation and Scientific Research, ISSN 2351-8014 Vol. 6 No. 1 Aug. 2014.
12. Research Paper entitled on **“Knowledge Management in Intelligence Information System”**, Published in International journal IJMRA in November issue 2014.
13. Research Paper entitled on **“Issues and Challenges in Web Services In The 21st Century”**, Published in International journal IJMRA in June issue 2013.

National & International Conference Attended: Total- 12

1. Attend International Conference on **“Sovereignty, Rule of Law and Human Rights: Challenges and Harmonization”**, at Career College of Law Bhopal, 8-9th March, 2019.
2. Attend International Conference on **“Communication Systems and network Technologies (CSNT-2018)”**, at School of Information Technology, RGPV Bhopal, 24- 26th November, 2018.
3. Attend International Conference on **“Advances in Chemical sciences and Allied fields of Science, Health, and Education & Environment”**, at Career College Bhopal, 8- 10th March, 2018.
4. Attend International Conference on **“Make in India an Opportunity for sustainable Entrepreneurship development”** presented paper on **“Application of Data Mining Techniques to revolutionize Indian Agriculture”**, at Career College Bhopal, 16-17 Feb 2017.
5. Attend International Conference on **“Technological Advancements in Environment Management”**, Career College Bhopal, 1-2 March 2017.
6. Attend National Conference on **“Recent Advances in Science, Technology & Healthcare”**, Career College Bhopal, 29-30th September 2016.
7. Attend International Conference on **“VIJNANA PARISHAD OF INDIA (VPI) on Computational and Integrative Sciences & International Symposium on**

Computational Biology” presented paper on “**Intrusion Detection in MANET**”, on MANIT Bhopal, 11-14 Dec 2015.

8. Attend National Conference on “**Innovative and Emerging Trends in Information Technology**”, on 27-28 September, 2013 at Career College, Bhopal.
9. Attend National Conference on “**Emerging trends in Computational Science**”, on 8th- 9th March 2013 at Maulana Azad National Institute of Technology, Bhopal.
10. Attend National Conference on “**Advances in Engineering Research & Applications AERA-2013**”, on 14th-16th March 2013 at Oriental College of Technology, Bhopal.
11. Attend National Conference on “**Artificial Intelligence and its Application in Engineering and Technology (NCAIET-2012)**” on 15th-16th June, 2012 at Technocrats Institute of Technology, Bhopal.
12. Attend National Conference on “**Applications of Evolutionary Computing Techniques in Electrical Engineering (AECT-2012)**” on 16th-17th February, 2012 at Dept of Electrical and Electronics Engineering, UIT, RGPV Bhopal.

Area of Interest:

- ❖ Data Science
- ❖ Cloud Computing
- ❖ Distributed System
- ❖ Web log Mining
- ❖ Data Mining
- ❖ Machine Learning
- ❖ Computer Network
- ❖ Software Engineering
- ❖ Operating System
- ❖ RDBMS
- ❖ DTP
- ❖ Office Automation
- ❖ SAD
- ❖ Oracle
- ❖ Dot net Technology

OTHER QUALIFICATION:

1. Post Graduate Diploma in Computer Application (PGDCA) with 68% from IGNOU.
2. Passed CS-60 exam of mathematics from IGNOU for MCA eligibility.

Declaration:

I hereby declare that the information given above is true to the best of my knowledge & belief.

Date:



Place: Bhopal

(Dr. Karuna Nidhi Pandagre)

