

Dr. Kapil Kumar Nagwanshi

Ph.D. (CSE) | In Higher Education since 2002 | R&D

Phone: +91-9303018770

Email: dr.kapil@ieee.org

ORCID: <https://orcid.org/0000-0003-3133-978X> Scopus Author ID: 36096152900

[GitHub](#) | [Google Scholar](#) | [LinkedIn](#) | [ORCID](#) | [Publons](#) | [Scopus](#) | [Shodhganga](#)



“Dedicated, enthusiastic individual with outstanding academic, communication, organizational, and people skills and a passion for teaching and research searching for a College Professor position”

PROFILE

- **Ph.D in Computer Science & Engineering** coupled with **M.Tech. in (CSE)** with specialization in **Computer Technology & Application**, offering **over 19+ years** of experience in the **teaching, curriculum design, Research & Development, administration, handled Digital Online Valuation systems for more than 6 years.**
- **6 Patents Granted Extensive publication record (SCI /SCOPUS)**, presented research work at **national and international conferences**, guiding PG and UG students with **Project Work and Research Work**; developing student-centered, congenial learning techniques to instill enthusiasm towards studies in students, currently spearheading functions as **Associate Professor with Amity University Rajasthan.**
- **Proven expertise in Network Programming, Biometrics, AI and Machine Learning, Parallel Computing, image processing COA, and OS.**
- **Competence** in providing quality subject knowledge to all students using all the tools and skills and knowledge and managing coverage of assigned subjects as per academic curriculum to students. Kept abreast of the latest developments in trends as well as administrative techniques in my field and move changing times.
- **Gathered exposure** while teaching more than one university subject to undergraduate & postgraduate students; reviewing pre-set educational goals, objectives, and classroom instructional programs, establishing academic/other performance objectives.
- **Highly motivated, dynamic,** and single-minded in with a flair for connecting with young minds and nurturing as well as fostering their development to their utmost potential.

EDUCATION

Doctor of Philosophy, Computer Science and Engineering



Research Centre: RCET Bhilai

Chhattisgarh Swami Vivekanand Technical University (State Govt)

Bhilai, Chhattisgarh

Successfully Completed,
20th September 2019

Master of Technology, Computer Science and Engineering



SSCET Bhilai

Chhattisgarh Swami Vivekanand Technical University (State Govt)

Bhilai, Chhattisgarh

Completed, August 2008
73%
Division I

Bachelor of Engineering (Hon's), Computer Science and Engineering



Institute of Technology (Now SOS IET)

Guru Ghasidas University (Central University)

Bilaspur, Chhattisgarh

Completed, July 2001
76%
Division I

CERTIFICATIONS-DS-AIML

- **Masters Certificate in Artificial Intelligence Engineer(10 Courses)-08/15/2020- Credential ID 21812867 (Simplilearn).**
- **Deep Learning Specialization** Certification (5 Courses) - 04/20/2020 - Credential ID 4BBRV5YQEJGE (deeplearning.ai Coursera)
- **TensorFlow in Practice** (4 Courses) – 05/08/2020 – Credential ID 5AAK6ZX6HKUW (deeplearning.ai, Coursera)
- **IBM AI Engineering Professional Certification** (6 Courses) - 03/27/2020- Credential ID DBRURNT4PDGY (IBM Coursera)
- **IBM Data Science Professional Certification** (9 Courses) - 03/05/2020- Credential ID AZB5KK9Z86NW (IBM Coursera)
- **Introduction to Data Science Specialization Certification** (4 Courses)- 03/16/2020 - Credential ID 26NTXACYJRBP (IBM Coursera)
- **Advanced Data Science with IBM Specialization** Certification (4 Courses) - 03/16/2020 - Credential ID X76H8KNJCQ8G (IBM Coursera)
- **IBM Applied Data Science Specialization Certification** (4 Courses) - 03/16/2020 - Credential ID 54QELNY9P2WS (IBM Coursera)



WORK EXPERIENCE



[8th Sep 2022 to Continue]-- Associate Professor(CSE), SoS Engineering and Technology, Guru Ghasidas Vishwavidyalaya (A Central Univ). Bilaspur, India.

- **Subjects Taught:** DS, Project, MAD, Maths for CS, Stats for CS
- **Motivating** students for R&D activities. Identifying, collecting, processing, analyzing and cataloguing data, according to the established protocol, procedures & standards as appropriate to specific objectives of the research study; publishing research findings in scholarly journals or conference proceedings.
- **Ensuring compliance** to quality measures & maintenance of appropriate requisite documentation and records; conducting research in field of specialization findings in scholarly journals or books.



[10th Aug 2022 to 5th Sep 2022]-- Associate Professor(CSE), School of Computing Science, University of Stirling, RAK, UAE.

- **Subjects Taught:** Project, MAD
- **Motivating** students for R&D activities. Identifying, collecting, processing, analyzing and cataloguing data, according to the established protocol, procedures & standards as appropriate to specific objectives of the research study; publishing research findings in scholarly journals or conference proceedings.
- **Ensuring compliance** to quality measures & maintenance of appropriate requisite documentation and records; conducting research in field of specialization findings in scholarly journals or books.



[24th July 2020 to 31st July 2022]-- Associate Professor(CSE), Amity School of Engineering & Technology, Amity University Rajasthan, Jaipur, Rajasthan.

- **PhD Coordinator** for the Amity School of Engineering and Technology
- **Subjects Taught:** C, COA, Cloud Computing, Operating System, Network Programming
- **Motivating** students for R&D activities. Identifying, collecting, processing, analyzing and cataloguing data, according to the established protocol, procedures & standards as appropriate to specific objectives of the research study; publishing research findings in scholarly journals or conference proceedings.
- **Ensuring compliance** to quality measures & maintenance of appropriate requisite documentation and records; conducting research in field of specialization findings in scholarly journals or books.
- **Webinar Moderator:** Conducted 2 Webinars on CIOT and Copyright in capacity of resource person and coordinator.



[2nd January 2019 – 12th April 2020] -- Assistant Professor, MPSTME, SVKM's Narsee Monjee Institute of Management Institute, Shirpur, Maharashtra

- **Subjects Taught:** COA, Implementation of Technology (Python), Research Methodology, Digital Logic and Electronic Design, Parallel Computing, Cloud Computing, Operating System.
- **Online teaching:** using CISCO WebEx, Zoom, Google Meet, GoMeeting platform during COVID 19 Lockdown.
- **Mentoring:** Fostering a healthy learning atmosphere in class and responding to all classroom queries in a spontaneous, empathic manner; ensuring discipline by observing students' work, behaviour and attendance.
- **Advising** students on course and academic matters and career decisions; checking the completed exam scripts and releasing the scripts to academic staff. Identifying areas of improvement while working with students and effectively coach them to improve their performance consistently to meet stringent Service Level Agreements and set parameters.
- **Program Coordinator B.Tech. Program:** Providing academic data support, coordinate student information system and monitor educational administration related issues.
- **Collaborating** with fellow lecturers on lesson plans and perform administrative tasks viz. recording attendance, managing student portfolios and providing individual assistance to the students.
- **Motivating** students to take charge of their own learning & set own goals. Documenting progress; enhancing student improvement in both understanding & performance.
- **Workshop Coordinator:** Conducted 2 Workshops on Data Science and Business Analytics in capacity of resource person and coordinator.



[15th July 2009 - December 2018/ 15th April 2020 to 23rd July 2020] --Associate Professor, Rungta College of Engineering and Technology Bhilai, Chhattisgarh

- **Subjects Taught:** COA, Cloud Computing, Operating System, Network Programming, Unix Shell Programming, ANN and Fuzzy Logic, Computer Graphics, Digital Image Processing.
- **Webinar Conduction and hosting**
- **Administration:** Digital Valuation Centre Coordinator, NPTEL SPOC, QEEE Faculty Coordinator, Spoken Tutorial Coordinator.
- Deftly handled the **CSE department** in the absence of HOD-NIT Raipur, and now in RCET Bhilai.
- **Project Mentor** for PG students as well as UG Students.
- **Motivating** students for R&D activities. Identifying, collecting, processing, analyzing and cataloguing data, according to the established protocol, procedures & standards as appropriate to specific objectives of the research study; publishing research findings in scholarly journals or conference proceedings.
- **Ensuring compliance** to quality measures & maintenance of appropriate requisite documentation and records; conducting research in field of specialization findings in scholarly journals or books.



[2nd January 2009 – 14th July 2009]—Reader, Disha Institute of Management and Technology Raipur, Chhattisgarh

- **Subjects Taught:** Computer Networks, Operating System
- **Project Mentor** for PG students as well as UG Students.
- Member of **Anti-ragging** Committee of Institution



[31st August 2006 – 31st December 2008] Lecturer/Teaching Assistant, Shri Shankaracharya College of Engineering and Technology, Bhilai, Chhattisgarh

- **Subjects Taught:** COA, FOC, C Programming
- **Practical Implementation** of course of action.
- **Project Mentor** for UG Students.
- Member of **Anti-ragging** Committee of Institution



[26th July 2004 – 31st August 2006] Lecturer, National Institute of Technology, Raipur, Raipur, Chhattisgarh

- **Subjects Taught:** COA, OOP, Computer Networks, DLED, Network Programming, Software Engineering, AMPI
- Rendered services as a member AIEEE 1st Counselling at NIT, Raipur as **Login Committee**, 2006
- Member of **Security Committee** of Institute during HE President Dr. A P J Abdul Kalam's visit to the institution (Dec'05).
- **Delivered** the workshop on GIS as well as on MATLAB as Resource Person.
- **Coordinator:** Spandan 2005: A Technical Symposium.
- Member of **Anti-ragging** Committee of Institution.
- Rendered services as Computer **Testing Consultant** of CG State.



[1st October 2002 – 24th July 2004] Lecturer, Govt. Engineering College, Bilaspur

- **Subjects Taught:** COA, OOP, Computer Networks, DLED
- Member of **Anti-ragging** Committee of Institution
- Responsible for **Curriculum Development/design** for University for Computer Science & Engineering, and Information Technology Branch.

RESEARCH GUIDANCE

Ph.D.

- Ritesh Dhanare. (2020--Submitted). "Optimization in Internet of Vehicles through Hybrid Meta Heuristic Techniques", Amity University Rajasthan, Jaipur, India.
- Shahnawaz Ansari. (2020 – Submitted). "Soft Computing Based Approach for Load Balancing and Route Optimization in Wireless Sensor Network", Shri Satya Sai University of Technology and Medical Science, Bhopal, India.
- Barun Pandey. (2021--Ongoing). "SOFTWARE ARCHITECTURE EVALUATION MODEL FOR DIGITAL ENGINEERING ", Amity University Rajasthan, Jaipur, India.
- Ashutosh Rao. (2020--Ongoing). "An Optimized Routing protocol in Agriculture environment for energy-efficient transmission using WSN based IoT Network ", Amity University Rajasthan, Jaipur, India.
- Dhananjay Joshi. (2020--Ongoing). "Decision Support System for Brain Tumor Diagnosis Using Topological Data Analysis and Deep Learning", Amity University Rajasthan, Jaipur, India.
- Bhushan Inje. (2020--Ongoing). "Nature Inspired Algorithms to Improve the Performance of Data Mining Techniques in Information Retrievals.", Amity University Rajasthan, Jaipur, India.

M. Tech.

- Rajkumar Mehar. 5132212009 (2014). "Fuzzy Logic Approach for Person Authentication by Using Palm Print", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Charu Khare. AA3619. (2011). "Image Restoration In Neural Network Domain Using Back Propagation Network Approach", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Roshani Mandavi. 5132213012 (2014). "Content-based image retrieval and classification using principal component analysis", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Puja Shrivastav. (2010). "Development of Expert System as Spiritual Guru", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Nikku Ravi. 5135412001 (2014). "An Exemplar Based Method for inpainting of an Image", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Aadhya Dani. 5135413003 (2015). "Robust Face Recognition Based on Parallel Mapping and SRC under Different Illumination Conditions", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Niyati Tiwari. 5132212018 (2014). "Implementation of 3D Watermarking Algorithm Using Eigen Matrix Approach", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Gibin Thomas. 5132211012 (2013). "Gait Recognition of a Person Using Soft Computing", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Manas Agrawal. 5136814010 (2013). "High-Resolution Image Classification with Edge Detection based Segmentation and AdaBoost", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Rekhansh Rao. 5135410008 (2012). "Parallel Implementation of k-means Clustering Algorithm on Multicore Processor and GPU", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Ruchi Jain. 5132208006 (2012). "JPCAP, WINPCAP used for network intrusion detection System", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Mandakini Kaushik. 5132208005. (2012). "Point-based Image Rendering Techniques", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Udaya Kumar Singh. 5132207018. (2011). "Developing Network Based Intrusion Detection System for Promoting Global Cyber Security", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.
- Yogesh Tamrakar. (2011). "Implementation of HIDS using Neural Network Approach", Chhattisgarh Swami Vivekanand Technical University, Bilai. India.

PATENTS, PUBLICATIONS, AND CONFERENCES

Patents

Title of Patent	PI / CO-PI	#CO-PI	#Patent Id	Authority
CHILD SAFETY HANDBAND	PI	2	337766-001	IP INDIA
IOT BASED COVID DETECTION SYSTEM AND METHOD THEREOF	PI	6	2021101720	IP AUSTRALIA
A SYSTEM AND A METHOD FOR AUTOMATED IRRIGATION USING THE INTERNET OF THINGS	CO-PI	10	2020104385	IP AUSTRALIA
HOME AUTOMATION BASED ON THE INTERNET OF THINGS AND USER DETECTION	CO-PI	7	2021106649	IP AUSTRALIA
FLOWERPOT (IOT). EFFECTIVE DATE OF PATENT 2019-04-08.	PI	1	316581-001	IP INDIA
STRESS AND EMOTIONS DETECTING CAP	CO-PI	5	340329-001	IP INDIA

Books

- Rohit Raja, Nagwanshi, Kapil Kumar, Sandeep Kumar, K. Ramya Laxmi, Data Mining Technologies using Machine Learning Algorithms, Wiley- Scrivener Publishing. 29-01-2022, 9781119792529 | DOI:10.1002/9781119792529.
- Nagwanshi, Kapil Kumar, Mithilesh Atulkar, Santosh R Durugkar, Learn Python by Experiments, Mar 2021, ISBN 978-93-90519-81-1.
- Kapil Nagwanshi, 'An Introduction to Digital Image Watermarking: Hidden Domain' LAP LAMBERT Academic Publishing GmbH & Co. KG, Saarbrücken, Germany, September 2012, ISBN 978-3-659-23715-7.
- Kapil Nagwanshi, 'WinSock Programming Fundamental: A Compilation' Google Book, September 2012, available freely at <http://books.google.co.in/books?id=o7I3XjElmSYC>.

Book Chapters

- **Nagwanshi, Kapil Kumar.** "Learning classifier system." Modern Optimization Methods for Science, Engineering, and Technology. **IOP**, UK, 2019. 8.1-8.30. WEB OF SCIENCE
- **Nagwanshi, Kapil Kumar.** " File chunking approaches." Data Deduplication Approaches: Concepts, Strategies, and Challenges. **Elsevier**, UK, 2021. 97-109.
- Durugkar, S.R., Raja, R., **Nagwanshi, K.K.*** and Kumar, S. (2022). Introduction to Data Mining. In Data Mining and Machine Learning Applications (eds R. Raja, K.K. Nagwanshi, S. Kumar and K.R. Laxmi). <https://doi.org/10.1002/9781119792529.ch1>.
- Durugkar, S.R., Raja, R., **Nagwanshi, K.K.*** and Chandrakar, R. (2022). Conclusion and Future Direction in Data Mining and Machine Learning. In Data Mining and Machine Learning Applications (eds R. Raja, K.K. Nagwanshi, S. Kumar and K.R. Laxmi). <https://doi.org/10.1002/9781119792529.ch17>.

Dataset

- Kapil Kumar Nagwanshi, Sipi Dubey, "Biometric 220x6 Human footprint", **IEEE Dataport**, 2019. [Online]. Available: <http://dx.doi.org/10.21227/7gmx-jq63>. Accessed: Dec. 22, 2019.
- KK Nagwanshi, S Dubey Multispectral Human Footprint Dataset: ResearchGate 1 (DOI: 10.13140/RG.2.2.22844.54403)

International Journals (SCI-11; ESCI-03; SCOPUS-17-inclusive)

SN	Title of Paper	Name of Journal& ISSN Number	Volume, Page Number &	Indexing	Quartile Index	First	#Authors
i	A Study to Enhance the Route Optimization Algorithm For The Internet Of Vehicle	Wireless Communications and Mobile Computing 15308669	Online	SCIE	Q2	Main	3
ii	Effective Flow Table Space Management Using Policy-Based Routing Approach in Hybrid SDN Network	IEEE Access 2169-3536	Vol : 10 Y=2022	SCIE	Q1	Main	2
iii.	Wearable sensors with the Internet of Things (IoT) and vocabulary-based acoustic signal processing for monitoring children's health	Computational Intelligence and Neuroscience 16875265	Online	SCIE	Q1	Main	7
iv.	Multi-class Skin Problem Classification using Deep Generative Adversarial Network (DGAN)	Computational Intelligence and Neuroscience 16875265	Online	SCIE	Q1	Corresponding	7
v.	Analysis of Electromagnetic Environment in 1200 kV Single Circuit UHVAC Transmission Line by using FACE Software and Semi-empirical Formulae	Elsevier-Ain Shams Engineering Journal 2090-4479	Jan 2022 Volume 13, Issue 3, 1-13	SCIE	Q1	Corresponding	6
vi.	Enhancing the Route Optimization Using Hybrid MAF Optimization Algorithm for the Internet of Vehicle	Wireless Personal Communications	Accepted / Feb 2022	SCIE	Q3	Corresponding	3
vii.	Human Footprint Biometrics for Personal Identification using Artificial Neural Networks	Int. J. Biometrics/ 1755-831X	In Press 2022	SCOPUS/ESCI / DBLP	Q3	Main	4
viii.	Classification of defects in Photonic Bandgap Crystal using Machine Learning under Microsoft AzureML Environment	Multimedia Tools and Applications / 1573-7721	Accepted / Jan 2022	SCIE	Q1	Corresponding	3
ix.	An Empirical Study of Soft Computing Approaches in Wireless Sensor Networks	Journal of Cases on Information Technology	24(4)/ Online 1-10	SCOPUS/ESCI / DBLP	Q3	Corresponding	2
x.	FESD: An Approach for Biometric Human Footprint Matching Using Fuzzy Ensemble Learning	IEEE Access 2169-3536	Vol : 9 Y=2021	SCIE	Q1	Main	5
xi.	WBCs-Net: type identification of white blood cells using convolutional neural network	Multimedia Tools and Applications / 1573-7721	Sep 21 Online	SCIE	Q1	CO-AUTHOR	3
xii.	Multi-class classification of breast cancer abnormalities using Deep Convolutional Neural Network (CNN)	PLOS ONE /1932-6203	16(8) /2021	SCIE	Q1	CO-AUTHOR	7

xiii.	Estimation of centroid, ensembles, anomaly, and association for the uniqueness of human footprint features	Int. J. Intelligent Engineering Informatics/ 1758-8723	8(2)/2020	SCOPUS/ESCI / DBLP	Q3	Main	2
xiv.	Cyber-Forensic Review of Human Footprint and Gait for Personal Identification	IAENG Int. J. Computer Science/ 1819-9224	46(4)/2019	SCOPUS	Q2	Main	1
xv.	Statistical Feature Analysis of Human Footprint for Personal Identification Using BigML and IBM Watson Analytics	Arab J Sci Eng/ 2191-4281	43/2018	SCIE	Q2	Main	2
xvi.	Image Restoration in Non-Linear Filtering Domain using MDB approach	WASET/ 2010-3778	37/2010	SCOPUS	NA	CO-AUTHOR	4
xvii.	Adaptive Non-linear Filtering Technique for Image Restoration	WASET/ 2010-3778	68/2010	SCOPUS	NA	CO-AUTHOR	4

Refereed International Conferences (SCOPUS)

SN	Title of Paper	Detail of Conference	Volume, PP,	#Authors
i.	Role of Fog-Assisted Internet of Things-Enabled System for Managing the Impact of COVID-19	International Conference on Data Science and Management (ICDSM 2021), organized by the Gandhi Institute for Education and Technology, Bhubaneswar, from 19 to 20 February 2021	ISBN: 9789811656842	5
ii.	Statistical analysis on the COVID-19 infection spread in United State of America: A Prophet Forecasting Model	2021 Sixth International Conference on Image Information Processing (ICIIP) 26-28 Nov. 2021 Shimla, India	978-1-6654-3362-4	6
iii.	Real-time particle swarm optimization based parallel hybrid active power filter under variable load conditions	10th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2019	9–16/ 2019	2
iv.	Novel Framework for Efficient Data Transfer (EDT)	International Conference on Information Security & Privacy (ICISP2015), 11-12 December 2015, Nagpur, INDIA	Procedia Computer Science 78 (2016) 153 – 159	3
v.	Development of Fuzzified Emotional Mobile (FEM): Thought recognition through EMO vTF mobile	Proceedings - 2013 IEEE International Multi-Conference on Automation, Computing, Control, Communication and Compressed Sensing, iMac4s 2013	2013, pp. 35–39, 6526380	3
vi.	Development of an expert system as spiritual Guru	ICMLC 2010 - The 2nd International Conference on Machine Learning and Computing	2010, pp. 166–168, 5460749	3

Reviewer

- IEEE Access
- IET Image Processing
- Imaging Science Journal
- Journal of Real-Time Image Processing
- International Journal of Computer and Electrical Engineering

WORKSHOP CONDUCTED / EXPERT LECTURES

- Moderated Webinar on Cognitive Inspired IoT. Speaker Dr. Tapan K Gandhi, IIT Delhi, AUR Rajasthan (14-04-2021).
- Moderated Webinar on Research Tools and Techniques. Speaker Dr. Manish Sharma, CU Chandigarh, AUR Rajasthan (09-04-2021).
- Coordinated and Conducted 15 Days FDP on Business Analytics at MPTP, SVKM's NMIMS Shirpur (18 Apr-6 May 2019).
- International Conference on Artificial Intelligent, Blockchain & Data Sciences (ICAIBDS - 2019), Sponsored by Rampros Education Society, Hyderabad, 29th - 30th November 2019, Venue: Sreyas Institute of Engineering and Technology, Hyderabad
- Keynote address on Footprint biometric based framework for human identification on 17th Jan 2018 at NIT Raipur.
- Expert Lecture on Software tools and techniques for research report writing-LATEX (STTP (SF) ARMTT-2016) on 25th Nov 2016 at NIT Raipur.
- Guest lecture on General IT Security on 11-Jun-11 from CSI- Bhilai Steel Plant.

AWARDS / RECOGNITIONS

- Best Presentation Award 2021, "Topological Data Analysis - A Novel and Effective Approach for Feature Extraction" has been selected as the best paper in the category of "Emerging Technologies", ICIVC 2021: INTERNATIONAL CONFERENCE ON INTELLIGENT VISION AND COMPUTING (ICIVC 2021) ORGANIZED BY SUR UNIVERSITY COLLEGE, OMAN TECHNICALLY SPONSORED BY SOFT COMPUTING RESEARCH SOCIETY OCTOBER 03-04, 2021
- Best Paper Award 2019, International Conference on Artificial Intelligent, Blockchain & Data Sciences (ICAIBDS - 2019), Sponsored by Rampros Education Society, Hyderabad, 29th - 30th November 2019, Venue: Sreyas Institute of Engineering and Technology, Hyderabad

- IEEE Best Blog Award of the year 2010 Professional, for 'India Keep Researching with IEEE', R10 (Asia-Pacific).
- Received outstanding teacher of the year award for the year 2011, and 2012.
- Mentor, Epoch-Microsoft® Student Partner Tech Club.
- Mentor, IEEE Mentor programme.
- Students Coordinator for CG State and Member of Nomination Committee, CSI Bhilai Chapter.

MEMBERSHIP

- Senior Member IEEE (#91121526)
- Life Member of CSI (#01082876)
- Life Member IETE (#237759)
- Member International Association of Engineers, IAENG, UK (#105563)
- Member Computer Science Teachers Association, CSTA-ACM, USA (#2879650)
- Member of IACSIT Singapore (#80334247)

TRAINING

- SDP on **MATLAB & MATROX Imaging Laboratory** at IEEE-CS - MIRLAB - MIRAG-Sri Mata Vaishno Devi University-Kakaryal Katra J&K during 23-27 December 2012.
- Workshop on **MATLAB & Simulink for Engineering Education** at Mathworks India, Venue Bhilai during 24 August 2012.
- STTP on **Research Methodology including Mathematical Modelling in Engineering and Applied Sciences** at Rungta College of Engineering & Technology Bhilai during 24-25 March 2012.
- Seminar on **Current Trends on Nanoscience Nanotechnology** at AICTE-CGCOST-Rungta College of Engineering & Technology Bhilai during 25-26 June 2011.
- STTP on **Soft Computing** at AICTE-ISTE and Aditya Institute of Technology and Management- Tekkali AP during 2-6 March 2010.
- Workshop on **Digital Image Processing** at Christian College of Engineering & Technology Bhilai during 6-7 February 2010.
- Workshop on **Research Tools and Methodology for Information Technology** at Rungta College of Engineering & Technology Bhilai during 7-8 November 2009.
- STC on **Geographical Information System** at Government Engineering College Raipur and IIT Kanpur during 9-13 February 2006.
- Symposium on **Teaching and Learning Orientation for Engineering Teachers** at Government Engineering College Raipur during 16-19 November 2005.
- STC on **MATLAB** at Government Engineering College Raipur and IIT Kanpur during 4-8 October 2005.
- STTP on **Bioinformatics and Data mining** at Indian Institute of Technology Kanpur during 4-8 April 2005.
- STC on **Intelligent Control** at Government Engineering College Raipur and IIT Kanpur during 19-23 March 2005.
- STC on **Project Management** at Government Engineering College Raipur and IIT Kanpur during 27-29 January 2005.

SKILLS

- Excellent organizational and analytical skills
- Excellent verbal and written skills, along with a demonstrated ability to collaborate with students, faculty, staff, other institutional colleagues and peers, as well as the public
- Ability to read, understand, and communicate technical documentation
- Strong communication, presentation and business and technical writing skills
- Share knowledge with people known for their world-class expertise and insight
- Proven experience in college-level and small seminar teaching
- Ability to design and develop curriculums
- Strong program-planning and project-management skills
- Proven record of ongoing professional development
- Evidence of potential for excellence in mentoring undergraduates
- Excellent advising skills
- Ability to create and execute community-focused service-learning activities

LANGUAGES

- English ●●●●
- Hindi ●●●●

- Sanskrit ●●●●
- Chhattisgarhi ●●●●

CAREER HIGHLIGHTS

- Teaching, Learning, and R&D
- Outcome based Teaching and Learning
- Book Writing, Reviewing Technical Articles, Technical Survey Writing,
- Seminar/Workshop Conduction,
- Image processing, parallel processing, machine learning, signal processing, watermarking, image security, network security, Education Technology.

INTERESTS

- Teaching and R&D
- Book Writing
- Meditation and Yoga

PERSONAL DETAILS

Father's Name:	Mr. A R Nagwanshi	Marital Status:	Married
Birthday:	August 27, 1978	Nationality:	Indian
Gender:	Male	Passport:	Yes, Valid Thru 07/16/29

Address: F-196, Rai Pink City Phase 1,
Kolar Road Bhopal India
Bhopal – 462042 Madhya Pradesh

REFERENCES

Dr. Mithesh Atulkar

Asso. Prof., National Institute of Technology
GE Road, Raipur, Raipur - 492010
Chhattisgarh
Phone +91.9826183028
Email matulkar.mca@nitrr.ac.in

Dr. S P Dubey

VC, ICFAI Univ. Raipur
Kumhari, Raipur
Chhattisgarh
Phone +91.8889434541
Email spd1020@yahoo.com

Dr. G. R. Sinha

Professor, IIIT Bangalore
Mandalay,
Myanmar
Phone +91 88274 11550
Email gr_sinha@iiit.edu.mm

Kapil Kumar Nagwanshi