Dr. Amit Kumar Chandanan B E (CSE), M Tech(IT), PhD (CS)

Assistant Professor, Department of Computer Science & Information Technology

Guru Ghasidas University (Central University) C.G.

+91- 9425151309, E- mail: <u>chandanan.amit@gmail.com</u> Web site : <u>https://amitchandanan.wordpress.com</u>

PROFESSIONAL MEMBERSHIP

- Life Membership in Computer Society of India (CSI), Secretory CSI Jabalpur Chapter (2019)
- Life Membership in Indian Society for Technical Education (ISTE)
- Member of International Association of Engineers (IAENG)
- Member of SCIEI
- Research foundation of India (**RFI**)

PREVIOUS EXPERIENCE

Total Experience : 15 + Years

1.

Organization	Hitkarini College of Engineering and Technology, Jabalpur M P
Duration	15 Years 03 Months (12 Aug 2004 – 26 Dec 2019)

2.

Organization	JEC, Jabalpur M P
Duration	05 Months (20 March 2004- 10 Aug 2004)

ACADEMIC CREDENTIALS

Degree/ Certificate	Institute/ University	Year of Passing
PhD (CS)	J.V.W. University, Jaipur	
		2018
	Samrat Ashok Technological Institute, Vidisha (M P)/ RGPV, Bhopal	
M-Tech (HNRS)-IT		2010
	Institute of Technology/Guru Ghasidas university, Bilaspur (CG)	
B E(CSE)		2003

SUBJECT EXPERTISE

- Basic Computer Programming
- Data structures
- Analysis & Design of Algorithm



- Compiler Design
- Soft Computing
- Data Science and Big Data
- Network Management
- Machine Learning

EDITORIAL BOARD/REVIEWER

- Eminent Association of Researchers in Humanities and Management Sciences (EARHM)
- Paper reviewed for Asam University at June 2016
- International Journal of Science and Engineering Research (IJSER)
- International Journal of Latest Trends in Engineering and Technology (IJIET)
- International Journal of Innovation in Engineering Research and Management (IJIERM)
- Accent Journal of Economic Ecology and Engineering (AJEEE)

EXTRA CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Presented Papers in various National and International conferences across the India.
- Publish papers in International journal.
- Done certification of "DALE CARNEGIE", for "High Impact Teaching Skills".
- Attended various faculty development training programs across the India.
- Consecutive three years' part ROBOTICS workshop for the students in institute.
- Patron of "ACESS" Community of HCET Jabalpur.
- Patron of "PULSE" new letter of the department at HCET Jabalpur.
- Active member of organizing committee of national conference at HCET.
- Serve as examination center superintendent.
- Active member of the committee of Training & Placement cell, HCET Jabalpur.
- Member of the college core committee for organizing various functions.
- Hosted various functions of the institute.
- Conveyor of the function "Budding search engineer 2010" at HCET Jabalpur.
- Won many prizes in different kinds of sport, was the sports captain.
- Member of discipline committee for the student.
- Active member for NBA team from the department at HCET Jabalpur.
- Part of MU signed with BSNL training center, Jabalpur (BRITTC).
- Guide more 60 finals and pre final year projects.
- Organizer of the LINUX workshop in College, 25-26 March 2013.
- Organizer of the DEVELOPMANTRA: windows phone application development a workshop in College, 5-6 April 2014
- Organizer of the DEVELOPMANTRA: Android application development a workshop in College, 5-6 April 2016
- Organizer of the DEVELOPMANTRA: Android application development a workshop in College, 25-26 April 2017
- Coordinator one-week ICT 2018 program for HDCH, Jabalpur (April 2018).
- Coordinator, MP COST, Bhopal Sponsored National Seminar on AI, 30 March 19 at HCET Jabalpur
- Teacher representative in College Governing Body.

AWARDS

- Received **"Best paper presentation"** award in 14th International Conference on **"Global Advancement in Engineering management, pharmacy science and humanities"**, held at Mathura Devi Group of Institute, Indore, MP, January 19-20, 2019
- Received award of "International Award for Teacher with Huge Potential" in 9th International Conference on "Innovative Research in Technology, Pharmacy, Management, Science & Humanities" held at Lakshmi Narain College of Technology & Science, Indore, March 10-12, 2018.
- Received appreciation letter from principal HCET for **good Governance** in the year 2011.

INITIATIVES AT HCET JABALPUR

- Seminar Series in Latest Trend in Technology, July 2018 (2 July to 10 July)
- Improved the paper work of office as well as management of data work to a desirable level.
- Constructive relationship development approach.
- Introduced the club (professional) culture in the institute and developed two clubs as a patron of the same.
- Take initiatives to release the annual technical magazine (E-WAVE) in the department.
- Faculty feedback: Initiated collecting and providing faculty feedback to them for further improvement and mutual benefit.
- Faculty Development program at Department level to improve the teaching quality of faculties.

LIST OF WORKSHOPS AND TRAINING TRAINNING

- One week workshop on Machine Learning at IIITDM, Jabalpur (M.P.),17 Sep to 21 Sep 2019.
- One-day workshop Plagiarism, ICSSR New Delhi, 15 May 2019
- FDP on "IoT, Agile, Machine Learning" held at TCS, Nagpur in the month of August 2018.
- National workshop on "Artificial Neural Network using MATLAB" held at HCET, Jabalpur, 18-20 Jan 2016.
- Workshop on "Developing Android Application for Fun & Profit" held at IIITDM, Jabalpur, 14-20 Dec 2015.
- Faculty Development program on" Computer **Networking**" held at Remote centre JEC (1037) Jabalpur ,25-30 May 2015.
- Faculty Development program on" Computer **Networking**" held at Remote center JEC (1037) Jabalpur, June 2014.
- Faculty Development program on "Pattern Recognition and its Applications" held at Sunder Deep Group of Institutions, Ghaziabad, 8-20 July 2013.
- Workshop on "Writing Effective Conference Papers" held at Remote Centre JEC (1037), Jabalpur ,18-19 February 2012.
- Workshop on **"IBM Rational Software Architecture and rational rose"** held at HCET, Jabalpur MP, 24-27 may 2011.
- Workshop on "**High Impact Teaching skills**" by WIPRO in association with ISTE at HCET, Jabalpur M P, 15-19 Feb 2010.
- Workshop on "essential abstractions in GCC-2009" held at IIT Bombay, 3-5 July 2009.
- Workshop on "Data warehousing and Data mining" held at MANIT Bhopal M P, June 30-July 11, 2008.
- Short term training program on "Network Security" held at JEC Jabalpur M P, 6-10 Oct 2006.
- Workshop on" Microprocessor and Microcontroller: operations & maintenance" at JEC Jabalpur M P, 19-21 June 2006.

BOOKS PUBLICATIONS

- Literature on Operating System, ISBN/ISSN NO: 978-93-87739-49-9
- Computer Science Engineering, ISBN/ISSN NO: 978-93-87739-42-8
- Importance of Data Structure in Computer Science Engineering, ISBN/ISSN NO: 978-93-87739-51-2
- Computer Science Engineering & Rural Development, ISBN/ISSN NO: 978-93-87739-46-8
- Concept of Computer Engineering for Developing India, ISBN/ISSN NO: 978-93-87739-48-2
- Role of Information Technology in India, ISBN/ISSN NO: 978-93-87739-47-2

LIST OF SEMINOR AND CONFERENCES (JOURNAL PUBLICATIONS)

<u>2018</u>

- A K Chandanan," Implementation On Association Rule Mining Using Modified Bpso In Matlab", International Journal Of Pure And Applied Mathematics, Volume 119 No. 18 2018, 115-124, Issn: 1314-3395 (On-Line Version), Scopus Indexed.
- A K Chandanan, "Thermal Monitoring For Machine Condition System ", Accent Journal Of Economics Ecology & Engineering, January 2018, Vol. 3, Issue 2, ISSN: 2456-1037, Ugc Approved: 48767.
- A K Chandanan, "Concept Of Cognitive Radio", Accent Journal Of Economics Ecology & Engineering, January 2018, Vol. 3, Issue 1, Issn: 2456-1037.
- A K Chandanan, "A Study On Data Mining Classification Techniques", International Journal Of Innovation In Engineering Research & Management, February 2018, Issn: 2348-4918
- A K Chandanan, "Image Quality Analysis In Frequency Domain", Accent Journal Of Economics Ecology & Engineering, March 2018, Ugc Approved: 48767.
- A K Chandanan, "An Analysis On Segmentation Of Brain Mr Images For Tumor", International Journal Of Innovation In Engineering Research & Management, April 2018, Issn: 2348-4918.
- A K Chandanan, "A Study Of Mobile E-Tourism", International Journal Of Innovation In Engineering Research & Management, April 2018, Issn: 2348-4918.
- A K Chandanan, "Cognitive Radio Sensing In Communication", Accent Journal Of Economics Ecology & Engineering, May 2018, Issn: 2456-1037.
- A K Chandanan, "An Study Of Gesture Recognition Systemusing Edge Detection", International Journal Of Innovation In Engineering Research & Management, May 2018, Issn: 2348-4918.
- A K Chandanan, "Super Pixels And Skin Color Detection Using Image Encription", Accent Journal Of Economics Ecology & Engineering, May 2018, Ugc Approved: 48767.
- A K Chandanan, "Theory Of Image Processing In Computer Engineering", Accent Journal Of Economics Ecology & Engineering, May 2018, Issn: 2456-1037.
- ♦ A K Chandanan, "Role Of Ofdm In Communication Engineering", Accent Journal Of Economics Ecology & Engineering, June 2018, Issn: 2456-1037.
- A K Chandanan, "Implementation On Association Rule Mining Using Modified Bpso In Matlab", International Journal Of Pure And Applied Mathematics(Ijpam), Academic Publications, July 2018, Issn :1314-3395.

<u>2017</u>

- A K Chandanan, Kavita, M K Shukla, "Association Rule Mining Using Modified Bpso" International Journal Of Computer Science Engineering And Information Technology Research (Ijcseitr), Issn(P): 2249-6831; Issn(E): 2249-7943 Vol. 7, Issue 2, Apr 2017, 29-36
- A K Chandanan, "Issues And Solutions Of Cloud Computing", International Journal Of Innovation In Engineering Research & Management, May 2017, Issn: 2348-4918.

- ♦ A K Chandanan, "An Implementation Of Neural Network: A Review", International Journal Of Innovation In Engineering Research & Management, May 2017, Issn: 2348-4918
- ♦ A K Chandanan, "Review On Differential Evolution", Accent Journal Of Economics Ecology & Engineering, June 2017, Issn: 2456-1037
- ♦ A K Chandanan, "Global Positioning System: Review", International Journal Of Innovation In Engineering Research & Management, June 2017, Issn: 2348-4918.
- ♦ A K Chandanan, "Dsp Based Image Enhancement Of Breast Cancer", Accent Journal Of Economics Ecology & Engineering, June 2017, Issn: 2456-1037
- A K Chandanan, "Intro About Dsp: A Case Study", Accent Journal Of Economics Ecology & Engineering, July 2017, Issn: 2456-1037.
- A K Chandanan, "A Concept Of Digital Image Processing", Accent Journal Of Economics Ecology & Engineering, July 2017, Issn: 2456-1037
- A K Chandanan, "A Case On Digital Mammogram: Review", International Journal Of Innovation In Engineering Research & Management, August 2017, Issn: 2348-4918.
- A K Chandanan, "A Review Of Check Pointing Fault Tolerance Techniques In Distributed Mobile Systems", International Journal Of Innovation In Engineering Research & Management, October 2017, Issn: 2348-4918.
- A K Chandanan, "An Analysis Of Cancer Based On Svm Machine", International Journal Of Innovation In Engineering Research & Management, December 2017, Issn: 2348-4918

<u>2016</u>

- A K Chandanan, "Virtualized Clouds Under Changing Environment: Review", International Journal Of Innovation In Engineering Research & Management, February 2016, Issn: 2348-4918.
- A K Chandanan, "Mri Based Brain Tumor Segmentation Technique "International Journal Of Innovation In Engineering Research & Management, Feb 2016, Issn: 2348-4918
- A K Chandanan "Implementation Of Clouds In Software Engineering", International Journal For Computer Application And Research, March 2016, Issn (Online) 2320-5067.
- A K Chandanan, "Sift Based Face Recognition Feature Extraction "International Journal Of Innovation In Engineering Research & Management, April 2016, Issn: 2348-4918.
- A K Chandanan, "A Analysis And Study Of Dynamic Virtual-Machine", International Journal Of Innovation In Engineering Research & Management, June 2016, Issn: 2348-4918.
- A K Chandanan, "An Issues And Solution Of Noise In Digital Image Based On Different Filter "International Journal Of Innovation In Engineering Research & Management, June 2016, Issn: 2348-4918.
- A K Chandanan "Section Criteria In Cloud Computing For Optical Network", International Journal For Computer Application And Research, June 2016, Issn (Online) 2320-5067.

- ♦ A K Chandanan, "Chart Hypothesis Approach (Oargt) In Real Life Examples", Accent Journal Of Economics Ecology & Engineering, June 2016, Issn: 2456-1037.
- ♦ A K Chandanan, "Role Of Real-Time Embedded Systems In Computer Engineering", Accent Journal Of Economics Ecology & Engineering, July 2016, Issn: 2456-1037.
- A K Chandanan, "Study Of Web Application", International Journal Of Innovation In Engineering Research & Management, August 2016, Issn: 2348-4918.
- A K Chandanan, "A Research On Image Processing Based On Optical Character Recognition", International Journal Of Innovation In Engineering Research & Management, August 2016, Issn: 2348-4918.
- A K Chandanan, "A Study On Cloud Technologies", Accent Journal Of Economics Ecology & Engineering, August 2016, Issn: 2456-1037.
- A K Chandanan, "Used Of Image Watermarking In Dwt", Accent Journal Of Economics Ecology & Engineering, August 2016, Issn: 2456-1037.
- A K Chandanan "Research On Virtual Machine Based On Iaas Cloud Environments", International Journal For Computer Application And Research, Sep 2016, Issn (Online) 2320-5067.
- A K Chandanan, "An Analysis Of Cloud Computing Service", Accent Journal Of Economics Ecology & Engineering, September 2016, Issn: 2456-1037.
- A K Chandanan, "Study Of Different Segmentation Techniques", Accent Journal Of Economics Ecology & Engineering, September 2016, Issn: 2456-1037.
- A K Chandanan, "Heterogeneous Based Image Processing For Rough Quality Picture", International Journal Of Innovation In Engineering Research & Management, Dec 2016, Issn: 2348-4918.

<u>2015</u>

- A K Chandanan, M K Shukla," Removal Of Duplicate Rules For Association Rule Mining From Multilevel Dataset" International Conference On Advanced Computing Technologies And Applications (Icacta-2015), Procedia Computer Science00 (201 5) 000–000(Science Direct, Published By Elsevier B.V).
- A K Chandanan, "An Analysis And Study On Salt And Pepper Noise (Spn)", International Journal Of Innovation In Engineering Research & Management, Feb 2015, Issn: 2348-4918.
- ◆ A K Chandanan "Cloud Approach For Multiple-Criteri Decision", International Journal For Computer Application And Research, March 2015, Issn (Online) 2320-5067.
- A K Chandanan, "Implementation On Advanced Mobile Application Based On Circular Traffic Signs "International Journal Of Innovation In Engineering Research & Management, April 2015, Issn: 2348-4918.
- A K Chandanan, "Radial Fourier Analysis Descriptor: A Review "International Journal Of Innovation In Engineering Research & Management, June 2015, Issn: 2348-4918.

- A K Chandanan, "Digital Watermarking Used For 3d Images "International Journal Of Innovation In Engineering Research & Management, August 2015, Issn: 2348-4918.
- A K Chandanan, "Mri Based Brain Tumor Segmentation Technique "International Journal Of Innovation In Engineering Research & Management, August 2016, Issn: 2348-4918.
- ◆ A K Chandanan "Cfaas (Cloud-Forensic-As-A-Service): Study", International Journal For Computer Application And Research, Sep 2015, Issn (Online) 2320-5067.
- A K Chandanan, "System Of Encrypted Data On Mobile Cloud With Portable Cloud Privacy", International Journal for Computer Application and Research, Sep 2015, ISSN: 9726-001X.
- A K Chandanan "Data Mining Based Applications For New Aspect Of Software Era" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 102-108, Vol. 11, No. 4 (2015): Issue 4, December 2015 (UGC CARE Listed Journal).

<u>2014</u>

- A K Chandanan "Role Of Ict In Cloud Service In International Level", International Journal For Computer Application And Research, March 2014, Issn (Online) 2320-5067.
- A K Chandanan, "Semantic Analysis Of Movie Description : A Review", Journal of Current Science, March 2014, ISSN: 9726-001X
- A K Chandanan, "Speech Point Detection Using Perceptual Linear Prediction", Journal of Current Science, Sep 2014, ISSN: 9726-001X
- ◆ A K Chandanan "Cloud Migration For Endeavor Systems", International Journal For Computer Application And Research, Sep 2014, Issn (Online) 2320-5067.
- A K Chandanan "Implementation On Fault Tolerance- Issues, Framework In Cloud Computing" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 102-109, Vol. 10, No. 3 (2014): Issue 3, Sep 2014.
- ♦ A K Chandanan, "Cloud Computing Based Web application For Web Requisition", Journal of Current Science, Nov 2014, ISSN: 9726-001X
- ◆ A K Chandanan "Used Of Cloud Computing For Infrastructure", International Journal For Computer Application And Research, Dec 2014, Issn (Online) 2320-5067.

<u>2013</u>

- A K Chandanan, M K Shukla "Data Mining For Qualitative Dataset Using Association Rules: A Review" International Journal Of Advanced Research In Computer Science And Electronics Engineering Volume 2, Issue 2, February 2013, Issn: 2277 – 9043, Page 231-238.
- A K Chandanan "Cloud Computing Based Risk Analysis In Industry", International Journal For Computer Application And Research, March 2013, Issn (Online) 2320-5067.

- A K Chandanan, "Analytical Architecture Based Image Processing In Real-Time Big Data", Journal of Current Science, March 2013, ISSN 9726-001X
- Suman Chandanan, Amit Kumar Chandanan "Web Mining: An Introduction" Int. Journal Of Electrical, Electronics & Computing Technology, Vol.8(1), March-May-2013 Special Issue Conference Proceeding, Isn 2229-3027, Page 447-451.
- A K Chandanan "Implementation And Research On Spatial Data Mining" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 1-7, Vol. 9, No. 2 (2013): Issue 2, June 2013.
- A K Chandanan, "Noise-Reduction Algorithms: Study", Sandhan International Journal, Sep 2013, Issn 0972-3609.
- A K Chandanan "Java Based Dynamic Round Robin (Drb) For Load Balancing", International Journal For Computer Application And Research, Sept 2013, Issn (Online) 2320-5067.
- A K Chandanan, M K Shukla, "Overview Of Redundancy Free Association Rule Mining", *Ijca Proceedings On International Conference On Communication Technology* Icct (5):13-16, October 2013.
 Published By Foundation Of Computer Science, New York, Usa.
- A K Chandanan, "Novel Approach For Language Communication Approach", Sandhan International Journal, Nov 2013, Issn 0972-3609.
- A K Chandanan "A Concept Of Green Computing Using Energy Efficient", International Journal For Computer Application And Research, Dec 2013, Issn (Online) 2320-5067.
- A K Chandanan "An Application On Resource Scheduling and Optimization Algorithm Concepts" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 115-120, Vol. 9, No. 4 (2013): Issue 4, December 2013 (UGC CARE Listed Journal).

<u>2012</u>

- A K Chandanan, "A Case For Data Location Verification Ased On Cloud", Sandhan International Journal, March 2012, Issn 0972-3609.
- A K Chandanan, "Java 7 Hotspot: An Overview", Journal of Current Science, March 2012, ISSN: 9726-001X
- A K Chandanan "Heart Attacks Investigation Based On Data Mining Concepts" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 85-92, Vol. 8, No. 1 (2012): Issue 1, March 2012.
- A K Chandanan "Secure And Security Mechanism For Data Security In Cloud Computing" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 91-95, Vol. 8, No. 2 (2012): Issue 2, May 2012.
- A K Chandanan, "A Study And Review On Multi-Access Edge Computing", Sandhan International Journal, Nov 2012, Issn 0972-3609.

<u>2011</u>

- Suman S Chandanan, Brajesh Patel, Amit Kumar Chandanan "Detection Of Suspected Nodes In Manet" Proc. Of Int. Conf. On Advances In Computer Science 2011, Doi: 02.Acs.2011.02.61, Page 36-41.
- A K Chandanan, "A Review Of M-Commerce", Sandhan International Journal, March 2011, Issn 0972-3609.
- ◆ A K Chandanan, "An Analysis On Iot Data Using Symbolic Aggregate Approximation", Journal of Current Science, March 2011, ISSN: 9726-001X
- A K Chandanan "Implementation And Research On Spatial Data Mining" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 75-83, Vol. 7, No. 1 (2011): Issue 1, March 2011.
- A K Chandanan, "An Approach On Data Analytics Mobile Apps", Journal of Current Science, March 2011, ISSN 9726-001X
- A K Chandanan, "An Anlysis Of Object-Based Cloud Storage Service", Sandhan International Journal, Sep 2011, Issn 0972-3609.
- A K Chandanan "Implementation On Fault Tolerance- Issues, Framework In Cloud Computing" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 56-63, Vol. 7, No. 3 (2011): Issue 3, Sep 2011.
- A K Chandanan, "Java Platform Based Scalable Flow-Sensitive Pointer Analysis", Journal of Current Science, Sep 2011, ISSN: 9726-001X

<u>2010</u>

- Amit Kumar Chandanan, Shailendra Kumar Shrivastava "Secure Mobile Network Routing Protocol Using Psr"2010 International Conference On Computational Intelligence And Communication Networks, Bhopal, India, 26-28 November 2010, Isbn: 978-0-7695-4254-6.
- A K Chandanan "Information & Data Mining Algorithms: A Survey" Energy Resource Environmental and Sustainable Management, ISSN:1478-7539, Page 102-108, Vol. 6, No. 2 (2010): Issue 2, June 2010.

<u>2009</u>

 Paper Presented At Hitkarini College Of Engineering And Technology, Jabalpur On Topic A New Routing Approach In Mobile Ad Hoc Networks On National Conference On Advance Computing & Communication -2009, 7-8 Nov 2009.

<u>2008</u>

- Paper Presented At Hitkarini College Of Engineering And Technology, Jabalpur On Topic Secure Mobile Ad Hoc Network Routing Protocol With Behavior Of Malicious Node On National Conference On Recent Innovative Techniques In Engineering & Management-2008,4-5 Oct 2008.
- Paper Presented At Shri Ram Institute Of Technology, Jabalpur On Topic Secure Routing For Mobile Ad Hoc Network On National Seminar On Emerging Trends In Engineering, Management & Pharmaceutical Science-2008(Convergence-08),1-2 March 2008.

<u>2007</u>

 Paper Presented At Shri Ram Institute Of Technology, Jabalpur On Topic Secure Manet Routing On National Seminar On Multidimensional Concepts & Approaches For Continual Improvement In The E-Millennium 2007(Convergence-07),10-12 March 2007

CONFERENCE/LECTURES

- Coordinator National Seminar on Recent Trends in AI, 31 March 2019.
- 9th International Conference, LNCT College, Indore M.P. India, 10-12 March 2018
- National Conference, D. P. Chaturvedi Arts, Commerce & Science, Seoni (M.P.) India, 15-16 March 2015
- 4th International Conference, GGS Indraprastha Dwarka, India, 16-17 Feb 2014
- ♦ 4th International Conference, Poorvar Island Resorts, Trivandrum, Kerala, India, 10-11 April 2014
- ◆ 1st International Conference, Sage University Indore, 29 30 Sept 2018
- 14th International Conference, MDGI Indore, MP, 19-20 Jan 2019 (Best Paper Award)
- 13th International Conference, OMKIR Kota, 23-24 Feb 2019
- ♦ 17th International Conference, BTIRT Sagar, 25-26 May 2019
- International Conference Co- Convener
- Session Co-chair
- Secretary CSI Jabalpur Chapter

DR. AMIT KUMAR CHANDANAN