


Faculty Member Details

Name :	Dr. JYOTI LAKHANI		
Date of Birth :	11-7-1978		
Date of Joining :	21-6-2011		
Present Position:	Assistant Professor (Senior Scale) & Head		
Department :	Department of Computer Science		
Pay Scale & Grade Pay :	15600-39100(AGP-7000)		
Mailing Address:			
Office: Maharshi Kanv Bhawan (Academic Block I) First Floor, Department of Computer Science, MGS University, Bikaner-334001		Residence- House No-IIID-36, "Krishika", Near SDP School, Opposite to Park, Murlidhar Vyas Colony, Bikaner	
Mobile:		Primary- +91 988 725 3020 Secondary- +91 876 413 1240	
Qualification:			
M.Sc.(Computer Science), UGC NET- December 2005, Ph.D. (9 January, 2020) in Computer Science entitled "Design and Implementation of Evolutionary Clustering Algorithm for Biological Sequence Analysis"			
Specialization:			
Soft Computing, Data Mining, Computational Biology, Evolutionary Algorithms			
Research and Teaching Experience: ~13 years			
<ol style="list-style-type: none"> 1. Teaching Experience in MDS University, Ajmer (State University Rajasthan) as Assistant Professor against permanent position from 20-6-2007 to 20-6-2011 (4 years) 2. Teaching Experience in MGS University, Bikaner(State University Rajasthan) as Assistant Professor against permanent position from 21-6-2011 to till date (~9 years) 			
Other Responsibilities:			
Positions Held			
<ul style="list-style-type: none"> • Head of the Department, Department of Computer Science, MGS University, Bikaner (2011-till the date) • Member Academic Council, MGS University, Bikaner(from 2015 to till the date) • Convener BOS, MGS University, Bikaner (from 2014 to till the date) • Member of BOS, MGS University, Bikaner (from 2012 to till the date) • Nodal Officer, Website, MGS University, Bikaner (from 2012 to 2016) • Nodal Officer, Networking and NKN, MGS University, Bikaner (from 2012 to 2015) • Nodal Officer, Departmental Website , MGSU, Bikaner(from 2015) • Nodal Officer Student Scholarships(MGS University, Bikaner) (from 2012-2016) • Nodal Officer AISHE Portal(MGS University, Bikaner) (from 2012-2020) • Nodal Officer National Scholarship Portal(MGS University, Bikaner) (from 2012-2016) • Nodal Officer Rajasthan Scholarship Portal Portal(MGS University, Bikaner) (from 2012-2016) 			

- Prospectus Committee MGSU, Bikaner 2012-13, 2015-16, 2016-17
- VC Nominee, Selection committee Shri Jain Rampuria College, Bikaner session 2014-15, 2015-16
- VC Nominee, Selection committee MD College, Shriganganagar session 2016-17
- Member of Academic council of IASE University, Sardarshaha (from 2016 to till the date)
- Member of BOS Sophia Girls College, Ajmer(Autonomous College) from (2016)
- Member of Library purchase committee, MGS University, Bikaner (from 2011 to till the date)
- Member of Library Management Committee, MGSU, Bikaner (from 2011 to till the date)
- Member of Departmental Purchase Committee, MGS University, Bikaner (from 2011 to till the date)
- Book Reviewer Pearson Publication (2015)
- Reviewer for ACM conference AICTC2016(Member of Program committee of International Conference on Advances in Information Communication Technology & Computing jointly organized by government Engineering College, Bikaner and ACM, Udaipur Chapter on 12-13 August 2016)
- Reviewer for ACM conference ICAICTEM 2016, (Member of Program committee of ICAICTEM 2016 - 1st Annual Bhiwani Conference 2016 - INDIA, 19 - 20 November 2016)
- Member of BOS, MDS University, Ajmer 2008-2011
- Member of COC, MDS University, Ajmer 2008-2011
- Member of BOS, MDS University, Ajmer 2008-2011
- Member of COC, MDS University, Ajmer 2008-2011
- Assistant Dean Student welfare(ADSW), MDSU Ajmer(2009)
- NSS Program Officer, Unit III, 2008-09(MDS University, Ajmer)
- Practical Examiner and Paper Setter MGSU Bikaner, MDSU Ajmer, IIS University, Jaipur, Vardhman Kota Open University, Kota, Matsay University, Alwar, Sophia College, Ajmer, Agriculture University, Jobner)
- Member of Jury of EduHack event of Rajasthan-DigiFest-Bikaner(25-27 July 2018) organized by Government of Rajasthan.

Publications:

I Books/Chapters published

2020

1. In book: New And Future Developments In Microbial Biotechnology And Bioengineering Recent Advances in Application of Fungi and Fungal Metabolites: Biotechnological Interventions and Futuristic Approaches Publisher: **Elsevier**. Genetic diversity of polyketide synthases and nonribosomal peptide synthetases in fungi. Dharmesh Harwani, Sweta Barupal, Jyotsna Begani, Jyoti Lakhani. June 2020. DOI: 10.1016/B978-0-12-821008-6.00002-5
2. In book: New And Future Developments In Microbial Biotechnology And Bioengineering Recent Advances in Application of Fungi and Fungal Metabolites: Biotechnological Interventions and Futuristic Approaches Publisher: **Elsevier**. In silico detection tools to identify fungal secondary metabolites and their biosynthetic gene

clusters. Jyoti Lakhani, Ajay Khunteta, Anupama Chowdhary, Dharmesh Harwani. June 2020. DOI: 10.1016/B978-0-12-821008-6.00003-7

3. Jyoti Lakhani, Ajay Khunteta, Anupama Chowdhary, Dharmesh Harwani. "Multiple Sequence Alignment Algorithm Using Adaptive Evolutionary Clustering. In Advances in Information Communication Technology and Computing. Proceedings of AICTC 2019, Editors: Goar, V., Kuri, M., Kumar, R., Senjyu, T. (Eds.). Lecture Notes in Networks and Systems Series Ed.: Kacprzyk, Janusz. ISSN: 2367-3370. Publisher **Springer, Singapore**

2019

1. In Foldscope and its Applications. Foldscope view of floral and faunal diversity in the thar desert of Rajasthan. Harwani D., Begani J., Barupal S., and Lakhani J. A.D. Sharma, G. Gurjar, T. Mastanamma, I. Sharma, S.A. Waghmode, S.G. Kulkarni, B. Prakash, D. Harwani, M. Saikia, M.S. Shekhawat, A. Harshal. K.G. Sabarinathan, M. Gomathy (eds.), National Press Associates, New Delhi. ISBN No: 978-93-85835-68-1.

2018

1. In In-Silico Approach for Sustainable Agriculture. Genes to Metabolites and Metabolites to Genes Approaches to Predict Biosynthetic Pathways in Microbes for Natural Product Discovery. Harwani D., Begani J. and Lakhani J. D.K. Choudhary, M. Kumar, R. Prasad, V. Kumar (eds.). **Springer**, Singapore. https://doi.org/10.1007/978-981-13-0347-0_5.
2. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "In Silico Methods to Predict Disease-Resistance Candidate Genes in Plants," in In Silico Approach for Sustainable Agriculture, **Springer**. Editors: Choudhary, D.K., Kumar, M., Prasad, R., Kumar, V. (Eds.). 2018. (Chapter 5) <https://www.springer.com/us/book/9789811303463> (**Book Chapter**) (**SCOPUS indexed**)
3. In Fungi and their Role in Sustainable Development: Current Perspectives. Co-cultivation strategies to induce de-novo synthesis of novel chemical scaffolds from cryptic secondary metabolite gene clusters. Harwani D., Begani J. and Lakhani J. Praveen Gehlot and Joginder Singh 3 (eds.). Springer, Singapore. https://doi.org/10.1007/978-981-13-0393-7_33.
4. In In-Silico Approach for Sustainable Agriculture. Co-cultivation Strategies to Induce De Novo Synthesis of Novel Chemical Scaffolds from Cryptic Secondary Metabolite Gene Clusters. Harwani D., Begani J. and Lakhani J. D.K. Choudhary, M. Kumar, R. Prasad, V. Kumar (eds.).

2017

1. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "Hierarchical Clustering based Algorithms and other in silico Techniques for Phylogenetic Analysis of Rhizobia," in Book title: Rhizobium Biology & Biotechnology. Editors: Alexander Hansen, Devendra K. Choudhary and Ajit Varma, publisher **Springer**. Sep 2017 (chapter 11) ISSN: 1613-3382. <https://www.springer.com/series/5138?detailsPage=titles> ISBN 978-3-319-64982-5. <https://www.springer.com/us/book/9783319649818>
2. In Genetic Construction of Stable Rhizobial Genotypes for Improved Symbiotic Nitrogen Fixation. Harwani D., Begani J., Lakhani J. A. Hansen, D. Choudhary, P. Agrawal, A. Varma (eds) Rhizobium Biology and Biotechnology. Soil Biology, vol 50. Springer, 165-184. Springer, Singapore. https://doi.org/10.1007/978-981-13-0347-0_5.

3. Jyoti Lakhani, "Unit 2 Event Handlers and Forms in Java Script ", in "Course book for MCA Semester III VMOU, Kota", ed. Dr Neeraj Arora, Vardhman Mahaveer Open University, Kota, 2017.
4. Jyoti Lakhani, "Unit 3 Messaging and Time Events in Java Script", in "Course book for MCA Semester III VMOU, Kota", ed. Dr Neeraj Arora, Vardhman Mahaveer Open University, Kota, 2017.

2015

1. Dharmesh Harwani, Jyotsna Begani, Jyoti Lakhani, "Secondary structure modelling of ITS1,5.8S and ITS2 Ribosomal sequences for Intra Specific Differentiation among Aspergillus", in "Microbes in Action", Dr. Joginder Singh and Dr Praveen Gehlot, chapter: 21, 2015, pp: 337, ISBN: 978-81-7754-576-0.

2012

1. Jyoti Lakhani, "Computer's Laboratory Manual for Windows, Word, Excel and Power Point for Ph.D. Course work", MGS University, Bikaner, Rajasthan, 2012
2. Jyoti Lakhani, "All about the Internet"(eds), In "Guide Book for Ph.D. Coursework MPCET 2011", Dr G.R. Jakhar, MGS University, Bikaner, Rajasthan, 2012.

2011

1. Jyoti Lakhani et al., "Soochna Prodhogiki ke Adhaar II", published by Rajasthan Board of Secondary Education, Ajmer, Rajasthan, Publication Year: 2011, Reprinted in - 2012, 2013, 2014, 2015, 2016, 2017.

II. Research Papers Published

2019

1. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "The Accuracy of data mining tool in prediction and diagnosis of benign and malignant breast cancer tumors," Int J Pharm Bio Sci Vol. 10, No. 2, 2019 (April-June), pp.187-195. **Elsevier Embase Indexed (SCOPUS indexed) (UGC Approved)**
2. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "Cluster validation of evolutionary clustering algorithm for multivariate datasets," National Journal of System and Information Technology, vol. 12, no. 1, june 2019 ISSN : 0974-3308. **(UGC Approved)**
3. A broad-spectrum antimicrobial activity of thermophilic sp. producing Nocardiosis multiple extracellular enzymes of industrial and therapeutic use. Begani J., Lakhani J. and Harwani D., Asian Journal of Pharmacy and Pharmacology 5(3):525-534. ISSN: 2455-2674. DOI: <https://doi.org/10.31024/ajpp.2019.5.3.14>.
4. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "MPSAGA A matrix based Pair wise Sequence Alignment algorithm for Global Alignment with position based sequence representation technique," Sadhana, Vol. 44, No. 171, 2019 **(SCI, SCOPUS.WoS indexed)** Available at : **SpringerNature** link on Shareit : <https://rdcu.be/bIaVD> **(Research Paper)**
5. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "Multiple Sequence Alignment Algorithm Using Adaptive Evolutionary Clustering", in Conference Proceedings of International Conference on Advances in Information Communication Technology & Computing on 08-09 November, 2019, organized by Govt. Engineering College, Bikaner(**SPRINGER**)
6. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "Local Pairwise Sequence Alignment Algorithm For Finding Longest DNA Sub-Sequence," in proceedings of

International Conference on “Recent Trends and Innovations in Engineering, Science & Technology” on (ICRTIEST-2019), December 20-21, 2019.

7. Diarrheagenic *Escherichia coli* pathotypes and childhood diarrhea in the Bikaner region of Western Rajasthan. . Barupal S., Lakhani J. and Harwani D., *International Journal of Scientific Research in Biological Sciences*, 2019 January, 5:6, 212-214 E-ISSN: 2347-7520 <https://doi.org/10.26438/ijrbs/v5i6.212214>.
8. Jyotsna Begani, D. Harwani, Jyoti Lakhani. Sand Dune *Streptomyces* JB66 Native to the Great Indian Thar Desert Inhibits Multidrug-Resistant Pathogens. *International Journal of Pharmaceutical Sciences and Drug Research* 11(06). DOI: 10.25004/IJPSDR.2019.110603

2018

1. Current strategies to induce secondary metabolites from microbial biosynthetic cryptic gene clusters. Begani J., Lakhani J. and Harwani D., *Annals of Microbiology*, 68:7, 2018, 419-432. 10.1007/s13213-018-1351-1.
2. Harwani D, Begani J, Lakhani J. Co-cultivation Strategies to Induce De Novo Synthesis of Novel Chemical Scaffolds from Cryptic Secondary Metabolite Gene Clusters. In *Fungi and their Role in Sustainable Development: Current Perspectives 2018* (pp. 617-631). **Springer, Singapore.**

2017

1. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, “Improvisation of Global Pairwise Sequence Alignment Algorithm Using Dynamic Programming,” *International Journal of Scientific Research in Computer Science, Engineering and Information Technology* Volume 1 | Issue 1 | ISSN : 2456-3307 (**UGC Approved**)
2. J. Lakhani, K. Shrimali D. Harwani, “Look Back Sort: A Backward Comparison Algorithm for Internal Sorting”, *International Journal of Scientific Research in Computer Science, Engineering and Information Technology* Volume 1 | Issue 1 | ISSN : 2456-3307 (**UGC Approved**)

2016

1. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, “Auto-evolving clusters based on rejection and migration(AEC-RAM),” (2016). *ACM – International Conference Proceedings Series (ICPS)* and available in *ACM Digital Library*, Allotted ISBN Number by **ACM – ICPS** for Proceeding Volume: 978-1-4503-4213-1. DOI: <http://dx.doi.org/10.1145/2979779.2979877> (**Conference Paper**) (**SCOPUS indexed**)

2015

1. D. Harwani and J. Lakhani, “Disambiguation of multiple inheritance in C++ using biological law of genetics given by Mendel”, *Academic Journal of Science*, 2015, volume 3, no 3, pp: 361-371. ISSN: 2165-6282.
2. J. Lakhani, A. Choudhary, D. Harwani, “Clustering Techniques for Biological Sequence Analysis: A Review”, *Journal of Applied Information Science*, June 2015, Volume 3, Issue 1. ISSN: 2165-6282.
3. Jyoti Lakhani and Dharmesh Harwani, “A complete Inter-class sharing during the inheritance to enhance reusability of public data and their access control using Dominance”, *International Journal of System and Software Engineering*, 2015, Volume 3, Issue 1. ISSN: 2321-6017.

2014

1. J. Lakhani, "E-Learning in Indian Higher Education", MDEGQ, January 2014, Volume 3, Issue 1, No. 9, pp: 118-130. ISSN: 2250-3048
2. J. Lakhani, "Protocol Buffer:An overview (Case study in C++)", International Journal of Scientific Research in Computer Science Applications and Management (IJSRCSAMS), January 2014, Volume 3 Issue 1. ISSN: 2319-1953. Global Impact Factor: 0.465.
3. J. Lakhani, "Clustering Trend Predictions using Evolutionary k-means Algorithm for Automated Clustering", International Journal of Knowledge Based Computer Systems, International Journal of Knowledge Based Computer Systems, 2014, Volume 3, Issue 1. ISSN: 2321-5623.

2013

1. J. Lakhani, "Blind XPath Injection Attack: A Case Study", International Journal of System and Software Engineering, 2013, Volume 1, Issue 1, pp: 30-34. ISSN: 2321-6017

Seminars/ Conferences / Workshops /Training / Refresher/ Webinars/ FDPs (organized/attended)

2020

1. Participated in the webinar on "IEEE Publication Process" held on 6th July 2020 organized by Department of Computer Science & Engineering, Vidyavardhaka College of Engineering, Mysuru-570002, Karnataka, India
2. Participated in webinar on "Innovation and Design Thinking" held on 11th July, 2020, organized by Department of Mechanical Engineering of Shri Ramakrishna Institute of Technology, Coimbatore
3. Participated in one day National Level seminar on "Data Science and Its Applications" held on 11th July, 2020 organized by Department of Computer Science, Tuljaram Chaturchand College, Baramati, Maharashtra. Certificate No :0315
4. Participated in Two days International Webinar on "Artificial Intelligence and Machine Learning" held on 7th-8th July, 2020 organized by Department of Computer Science, Baba Farid College, Bhatinda(Punjab). Certificate ID: AIML201411
5. Participated in National Webinar on " A Navigation in the Science Process Skills" organized by IQAC-Government College of Education, Pudukkottai on 10.7.2020. Certificate No : ONHE20-CE000141
6. Participated in Two day National Level Webinar on "Open Resource Tools for Digital Teaching", organized by Department of Electronics, LRG Government Arts College for Women, Tirupur, Tamil Nadu on 4th & 5th July, 2020. Certificate ID: TDII4A-CE000212.
7. Participated in One Week International Faculty Development Program on "Recent Trends in Computer Science & IT" held on from 13th – 17th July, 2020 organized by Raj Kumar Goel Institute of Technology, GZB in Association with International Association of Professional & Fellow Engineers, Delaware, USA, Indo-UK Confederation of Science, Technology & Research LTD., London, UK and International Accreditation Council for Conference & Professional Excellence, Delaware, USA. Certificate ID LSCONU-CE000159.
8. Attended One Day National Level Webinar "Tools for Online Teaching Learning Process" on 13th July 2020 organised by Department of Civil Engineering, Abdul

Latif Ali AlShaya Faculty of Engineering and Technology, Luluwa, Yusuf Boodai Polytechnic Mansoor-Malegaon, Nasik, Maharashtra. Certificate ID: CL9HS8-CE000139.

9. participation in the International Virtual Seminar on “ Cyber Awareness: Strategies For Safeguarding Ourselves From Cybercrimes And Cyberattacks “ on 15th July, 2020 organized by IQAC, New Prince Shri Bhavani Arts and Science College, Medavakkam, Chennai. Certificate ID: MXCEHQ-CE000458.
10. Successfully completed One Week Short-Term Course on “Python Programming for Beginners” from 29-06-2020 to 04-07-2020 organized by Department of Computer Science and Engineering, University College Of Engineering, Ramanathapuram, Pullangudi, Ramanathapuram, Tamil Nadu.
11. Participated in “Faculty Awareness Program on Accreditation and Outcome Based Education.” organized by Department of Computer Science and Engineering, SSES, College of Engineering and Technology, Akola - 444104, on 1-7-2020.
12. Participated in National Level Webinar entitled “Digital ID/ Publishing Articles in Peer Reviewed Journals” on 13-07-2020. Certificate ID: NoFILC-CE000645.
13. Participated in the International Webinar on “Open & Flexible Cloud Computing Platform -Microsoft Azure” jointly organised by the Department of Computer Science and Internal Quality Assurance Cell, Government Arts College for Women (Autonomous), Pudukkottai on 3/07/2020. Certificate id : K21ZZO-CE000124.
14. Participated in five days online Faculty Development Programme on “Machine Learning Essential for Every Researcher”, held from 06.07.2020 to 10.07.2020. Organized by Department of Computer Applications, KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE - 638 060. Certificate ID: CVZLAM-CE000253.
15. Participated in the National Webinar on ‘Data Visualization in Data Science’ organized by Department of Computer Science, St Paul’s College, Kalamassery on 27/06/2020. Certificate ID:SCG9EG-CE000033.
16. Attended online two days webinar on “Understanding AUTOCAD for Beginers” organized by Faculty of Engineering & Computer Sciences, Teerthankar Mahaveer University, Moradabad on 7th and 8th July, 2020.
17. Participated in the live webinar on the topic “Building a Sustainable World through Social Innovations & Technologies” organized by the Department of Computer Science & Applications, St.Mary’s College, Thrissur, on June 12, 2020.
18. Successfully Completed Five Days Faculty Development Programme on “E-Content Development” from 22 June 2020 – 26 June 2020 organized by IQAC, Angappa College of Arts and Science, Coimbatore.
19. Participated in Three-day Hands-on Online Faculty Development Programme organized by Department of Master of Computer Application, School of CS & IT, Jain (Deemed-to be)University, Bangalore on "Online Teaching Tools" held from 08 - 10 July 2020.
20. Attended the webinar on “Virtualization & IT’s Impact on Telecom Operators & Network” organized by Department of Computer Science, The Oxford College of Engineering Bommanahalli, Bangalore, on 20th June 2020.
21. Participated in the webinar entitled “New Global Challenges and Opportunities: What Lies Ahead For India?”, organized by IQAC, Sri Aurobindo College, on 2nd July,

2020.

22. Participated in Webinar on “Mathematical Modelling perspectives for prediction of spread and control strategies for COVID -19” held on 24th June 2020. Organized by Jiwaji University, Gwalior.
23. Participated in Two Weeks Faculty Development Programme on “Managing Online Classes and Co-Creating MOOCS” from April 20-May 06, 2020 organized by Teaching and Learning Centre, Ramanujan College, University of Delhi, Sponsored by MHRD, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
24. Participated in One Week Faculty Development Programme on “Intelligent Systems” Organized by Department of Computer Science and Engineering during 29th June, 2020- 4th July, 2020, organized by Invertis University, Bareilly. Certificate ID: IU/CSE/FDP309.
25. Participated in Webinar on “Innovation and Design Thinking” held on July 11, 2020 organized by Department of Mechanical Engineering of Sri Ramakrishna Institute of technology Coimbatore.
26. Participated in a National level live webinar on “ IEEE Membership - Make you better Professional ” organized by St. Mary’s Integrated Campus Hyderabad on 10/07/2020 Certificate ID: SMICH-0720201803.
27. Participated in the webinar titled “Current and Future Research Trends in Digital Forensics”, delivered by Dr. Gaurav Gupta, Scientist E, MEITY, GOI, New Delhi on 9th July, 2020 as a part of International Webinar Series, e-Forensics 2020, Organized by Government Institute of Forensic Science, Aurangabad. E-certificate No.: GIFSA/eforensics-2020/1160
28. Participated in online webinar on “Robotics Process Automation” held on 4th July, 2020 organized by Department Of Computer Science And Engineering, Srm Institute Of Science And Technology, Ramapuram Campus, Chennai.
29. Participated in the National Level Webinar entitled “Digital Transformation in Educational Institutes” on 03rd July 2020 organized by St Francis De Sales College, Seminary Hills, Nagpur. Certificate No. 2020/STFDS/«481»
30. Participated in Webinar on “Art of Writing Research paper” organized by the Department of Commerce with Computer Applications, Mannar Thirumalai Naicker College, Pasumalai, Madurai on 8th July, 2020.

2019

1. “Retelling of the Ramayana to Revisiting rethink and Research the Ancient Epic”, National Seminar on Revisiting Ramayana, organized by Department of English and Madan Mohan Malviya Centre for value Education, Maharaja Ganga Singh University, Bikaner on 17-18 January, 2019.
2. ARPIT Online Refresher Course on “Curriculum Design and e-content Development” Completed
3. ARPIT Online Refresher Course on “Innovation and Best Practices in Education Skills” Completed
4. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, “Multiple Sequence Alignment Algorithm Using Adaptive Evolutionary Clustering”, International Conference on Advances in Information Communication Technology & Computing on 08-09 November, 2019, organized by Govt. Engineering College, Bikaner (TEQIP3

sponsored)

5. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "Local Pairwise Sequence Alignment Algorithm For Finding Longest DNA Sub-Sequence," Presented in International Conference on "Recent Trends and Innovations in Engineering, Science & Technology" on (ICRTIEST-2019), December 20-21, 2019
6. Participated in Intellectual Property Rights (IPR) Awareness Workshop and Training Program organized by M.N. College & Research Institute, Bikaner on 28 March 2019 sponsored by Department of Science & Technology, Government of Rajasthan, Jaipur
7. Participated in two week faculty development program on Advances in Renewable Energy Systems 9-20 December, 2019 organized by Engineering College Bikaner, Rajasthan (TEQIP3 sponsored)

2018

1. Participated in a Writeshop conducted on December 17, 2018, organized by IQAC Cell, Maharaja Ganga Singh University, Bikaner.
2. Jyoti Lakhani and Dharmesh Harwani, "Vigyaan va Prodhayogiki mein Naari ki Bhoomika", in "Naari tu Narayani" a National Sanskrit Seminar on January 24-25, 2018, organized by Center for Women Studies, Maharaja Ganga Singh University, Bikaner and Rajasthan Sanskrit Academy, Jaipur

2017

1. D. Harwani and J. Lakhani, "Higher Education Standards: A Quick Assessment between Urban and Rural Population", 17th October 2017, National Education Policy 2016: Issues, Challenges and Suggestions, organized by Maharaja Ganga Singh University, Bikaner
2. National Seminar "Stri Vimarsh: Vibhinn Aayaam" on Nov 3, 2017 organized by the Centre for Women Studies, Maharaja Ganga Singh University, Bikaner.
3. National Level Round table Conference on Goods and Services Tax organized by Department of Law, Maharaja Ganga Singh University, Bikaner on November 15, 2017.
4. Participated in a workshop on Academics Ethics and Integrity organized by Maharaja Ganga Singh University, Bikaner on August 4, 2017.

2016

1. National Seminar on sodh-ganga and Anti Plagiarism, 2016, organized by Central University of Rajasthan, Ajmer
2. J. Lakhani, A. Khunteta, A. Chowdhary, D. Harwani, "Auto-Evolving Clusters based on Rejection and Migration", 12-13 August 2016, jointly organized by Government Engineering College, Bikaner and ACM, Udaipur Chapter.
3. J. Lakhani and D. Harwani, "Information Communication Technology: Suicidal Activities of Human", 11-13 March 2016, organized by Agriculture University, Bikaner
4. D. Harwani and J. Lakhani, "Probiotics and Antibiotics Resistance : Safety Issue of Dietary Supplements", 11-13 March 2016, organized by Agriculture University, Bikaner.
5. J. Lakhani and D. Harwani, "SWAYAM: An Online Education Catalyst for Higher Education Reforms in India", 17th October 2017, National Education Policy 2016: Issues, Challenges and Suggestions, organized by Maharaja Ganga Singh University, Bikaner

6. J. Lakhani and D. Harwani, "Developing a Green Algorithm for Biological Sequence Alignment to Reduce Time and Space Complexity for Energy Efficient Sustainable Environment", National Conference on Biotechnology for Sustainable Development. 23-24 December 2016, organized by MD College SGNR.
7. National Human Rights Commission, India Sponsored National Workshop on Women's Right as Human Rights on 25 January, 2016 organized by Maharaja Ganga Singh University, Bikaner.
8. National Seminar on Agriculture Resource Management for Sustainability and Eco-Restoration on March 11-13, 2016, organized by Society of Agriculture and Arid Ecology Research, ICAR-ICAH, Bikaner
9. J. Lakhani, D. Harwani, "Developing a Green Algorithm for Biological Sequence Alignment to Reduce Time and Space Complexity for Energy Efficient Sustainable Environment", National Conference on Biotechnology for Sustainable Development, December 23-24, 2016, MD College, Sri Ganganagar, Rajasthan.

2015

1. J. Lakhani and D. Harwani, "E-waste : A growing Environmental Burden", 2015, Manda Institute of Technology, Bikaner
2. J. Lakhani and D. Harwani," Green Computing: Towards Eco-Safe Technology", National Seminar on Current Trends in Environmental Research, 28-02 March, 2015, Organized by: Department of Environmental Science, Maharaja Ganga Singh University, Bikaner
3. National seminar on Marginal societies in Rajasthan, 30-31 March, 2015, Organized by: Department of History, Maharaja Ganga Singh University, Bikaner

2014

1. Special Winter School on "Higher Education: New Perspectives" from 15th December 2014 to 3rd January 2015, organized by HRDC, Rajasthan University, Jaipur
2. National workshop on "Introduction to Research Methods using Neural Networks in MATLAB", 22-24 August 2014, organized by Poornima University, Jaipur
3. Special Summer School on Research Methodology, organized by Academic Staff College, MDS University, Ajmer, from May 23, 2013 to June 12, 2013.
4. Think.Eat.Food, Organized by: Department of Environment Science, MDS University, Ajmer on 5th June 2013(World Environment day).
5. J. Lakhani and D. Harwani, "Molecular Biotechnology Databases Architectural Details", UGC Sponsored National Conference on Biotechnology, Organized by: Mahila P.G. College, Jodhpur, Rajasthan, 2013, pp:24.

2012

1. J. Lakhani and D. Harwani, "A World of Science and Technology Beyond the English or Within", organized by Department of English, Maharaja Ganga Singh University, Bikaner, 2012

2011

1. J. Lakhani and D. Harwani, "Recycling of e-Waste: A New Challenge to Environment", International conference on Advances in Ecological Research, organized by Department of Environmental Science, Maharaja Ganga Singh University, Bikaner, 2011.

2008

1. National Workshop on Promoting Excellence in Research, organized by Academic

Staff College, MDS University, Ajmer , 2008.

2007

1. Six Months duration Professional Training, “Certificate in Developing Enterprise Applications using .NET Framework” Organized by: NIIT, Ajmer, 2007.

Invited Lecture/ chair session

1. Invited Lecture as chief guest in seminar on “Cyber Security” organized by Shri Jain Girls College, Bikaner on December 6, 2014.
2. Chaired Session as Chief Guest in Seminar on “Applications of Information Technology”, Binani Girls College, Bikaner on January 15, 2015.
3. Invited lecture on “Website Design and Development: Application for a Researcher” in MPCET-2015 PhD course work phase I(2015)
4. Invited lecture on “Website Design and Development: Application for a Researcher” in MPCET-2015 PhD course work phase I(2016)
5. Invited lecture on “Website Design and Development: Application for a Researcher” in MPCET-2015 PhD course work phase I(2016)

e-content Developed and publically shared

1. Proposed Aligner MPSAGA shared on GitHub <https://github.com/JyotiLakhani1/MPSAGA>
2. Lecture on “Transactions and concurrency control” published on slideshare.net on April 12, 2019. Available at https://www.slideshare.net/jyoti_lakhani/transactions-and-concurrency-control-140566437
3. Lecture on “Deadlocks” published on slideshare.net on April 12, 2019. Available at https://www.slideshare.net/jyoti_lakhani/deadlock-ss
4. Lecture on “Stack, Queue and Polish Notations” published on slideshare.net on April 27, 2015. Available at https://www.slideshare.net/jyoti_lakhani/polish-47448107
5. Lecture on “The Future Model of Higher Education” published on slideshare.net on January 11, 2015. Available at https://www.slideshare.net/jyoti_lakhani/the-future-model-of-higher-education
6. Lecture on “Cyber Crime, Cyber Security and Cyber Rights in India” published on slideshare.net on December 06, 2014. Available at https://www.slideshare.net/jyoti_lakhani/cyber-crime-and-cyber-security-42421581
7. Lecture on “Transmission Media” published on slideshare.net on January 16, 2014. Available at https://www.slideshare.net/jyoti_lakhani/transmission-media-30095210
8. Lecture on “OSI Model” published on slideshare.net on January 16, 2014. Available at https://www.slideshare.net/jyoti_lakhani/osi-model-30095205
9. Lecture on “Functions of OSI Layers” published on slideshare.net on January 16, 2014. Available at https://www.slideshare.net/jyoti_lakhani/osi-l-ayers
10. Lecture on “Logic Gates and Logic Circuits” published on slideshare.net on January 15, 2014. Available at https://www.slideshare.net/jyoti_lakhani/logic-gates-and-logic-circuits
11. Lecture on “Flip Flops” published on slideshare.net on January 15, 2014. Available at https://www.slideshare.net/jyoti_lakhani/flip-flops-30041232
12. Lecture on “Control Flow Statements in Java” published on slideshare.net on

- November 14, 2013. Available at https://www.slideshare.net/jyoti_lakhani/java-programming-control-statements
13. Lecture on “Java Programming Basics Part I” published on slideshare.net on October 15, 2013. Available at https://www.slideshare.net/jyoti_lakhani/java-programming-basics-part-i
 14. Lecture on “Java Programming Basics Part II” published on slideshare.net on October 15, 2013. Available at https://www.slideshare.net/jyoti_lakhani/java-programming-basics-part-ii
 15. Lecture on “Memory Management” published on slideshare.net on October 09, 2013. Available at https://www.slideshare.net/jyoti_lakhani/memory-management-27015118
 16. Lecture on “Java Programming Introduction” published on slideshare.net on October 09, 2013. Available at https://www.slideshare.net/jyoti_lakhani/1-java-programming-introduction
 17. Lecture on “Searching Methodologies” published on slideshare.net on July 18, 2013. Available at https://www.slideshare.net/jyoti_lakhani/searching-methodologies
 18. Lecture on “Instruction Codes” published on slideshare.net on January 15, 2014. Available at https://www.slideshare.net/jyoti_lakhani/instruction-codes
 19. Lecture on “Input Output” published on slideshare.net on January 15, 2014. Available at https://www.slideshare.net/jyoti_lakhani/input-output-30041424
 20. Lecture on “Central Processing Unit” published on slideshare.net on January 15, 2014. Available at https://www.slideshare.net/jyoti_lakhani/central-processing-unit-30041409