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ABHIJIT KULSHRESHTHA

Career Profile:

A highly skilled, talented and qualified Faculty/ Administrator with more than 15 years of experience in the teaching, administration and management of University/College activities. Looking for a challenging position in a dynamic environment to utilize my skills and proficiency in the mentioned field.

ACADEMIC QUALIFICATION

DOCTOR OF PHILOSOPHY [Ph.D]

Specialisation : PHYSICS(Mossbauer Spectroscopy)

Jai Narain Vyas University, Jodhpur.

Year : 2002

MASTER OF SCIENCE (PHYSICS) [M.Sc.]

Faculty of Science, Jai Narain Vyas University, Jodhpur.

Position in University :VIII Division: I [66.91 %]

Special Papers : Electronics and Spectroscopy.

Year : 2000

BACHELOR OF SCIENCE [B.Sc.]

Lachoo Memorial College of Science & Technology,

Jai Narain Vyas University, Jodhpur.

Position in University :X Division: I [74.33 %]

Special Papers : Physics, Computer Science, Mathematics.

Year : 1997

P.G.DIPLOMA IN MARKETING & SALES MANAGEMENT

Faculty of Commerce, Jai Narain Vyas University, Jodhpur.

Year : 1998

TOTAL EXPERIENCE: 15 years 10 months [14 years (Regular), 1 year (Guest Faculty), 2 Years (Research)]-

- **Associate Professor**, Sobhasaria Group of Institutions, Sikar.(Session 2014-till date) **1 year 10 months**
- **Professor**, Faculty of Engineering & Technology , Jodhpur National University (Session 2010 - 2014) **3 Years 6 Months**
- **Reader**, Jodhpur Engineering College & Research Centre, Jodhpur (Session 2007-2010) **3 Years**
- **Lecturer (Sr.Grade)**, Jodhpur Engineering College & Research Centre, Jodhpur (Session 2005-2007) **2 Years**
- **Assistant Professor**, Jodhpur Engineering College & Research Centre, Jodhpur (Session 2002-2005) **3 Years**
- **Guest Faculty**, M.B.M Engineering College, Jai Narain Vyas University, Jodhpur (Session 2001-2002) **1 Years**
- **Project Fellow [Nov.2000 to Aug 2002]**, DST sponsored research project, Department of Physics, Jai Narain Vyas University, Jodhpur. **2 Years**

PROFESSIONAL STRENGTHS

- Possess excellent logical and critical thinking
- Possess good management and communication skills
- Ability to solve issues in a quick and efficient manner
- Have good leadership and management skills
- In-depth knowledge of tools and techniques for effective teaching and learning activities
- Expertise in using Microsoft Word, Excel, and PowerPoint.
- Good motivator and ability to handle multiple tasks.
- Determined and goal oriented.

ADMINISTRATIVE EXPERIENCE

- Head, Department of Applied Science and Humanities, Faculty of Engineering & Technology, Jodhpur National University, Jodhpur.(2008- July 2014)
- Head, Department of Physics, Jodhpur National University erstwhile Jodhpur Engineering College and Research Centre, Jodhpur. (July 2004 to June 2008)
- Registrar (Academic) of Faculty of Engineering & Technology, Jodhpur National University, Jodhpur.(2009- July 2014)
- President (Admission), Faculty of Engineering & Technology, Jodhpur National University, Jodhpur. (2010 – July 2014)

- Vice President of Director's Secretariat, Faculty of Engineering & Technology, J N University.
- Dy. Chief Proctor, Faculty of Engineering & Technology, Jodhpur National University, Jodhpur.
- Appointed as Member of Editorial Board for the session 2004-2005 & 2005-2006 by The Institute of Engineers (India) Rajasthan State Centre.
- Served as member of the National Advisory Board of National seminar on "Advances in Manufacturing Technologies & Robotics perspectives", organized by the Rajasthan State Centre of the Institution of Engineers (India) on 25th and 26th Feb. 2005 at Jaipur.
- Managing Editor of Annual College magazine NINAD.

RESEARCH EXPERIENCE

- No. of Students awarded **Ph.D : Two**
- No. of Students working Under Supervision: **Two**.
- Working as co-supervisor of **three** students.

ACHIEVEMENTS

- Tenth Position in University examination in B.Sc.
- Eight Position in University examination in M.Sc.
- Special Research Training at Indian Institute of Technology (I.I.T.), Kanpur(U.P.) under supervision of Dr. H.C.Verma for 3 weeks.
- Attended the 47th BRNS-IANCAS (BARC, Mumbai) National Workshop on "Radiochemistry & Application of Radioisotopes" (July,15-23,2002)
- Staff Development Program, J N U Jodhpur (13 days, April, 09-21, 2012),
- Summer School Program, J N Vyas University, Jodhpur (from 09.06.2014 To 28.06.2014)

PUBLICATION/PAPER PRESENTED

- Fifty Four(54) research publications/presentations with two International paper/presentation.
- Two Text Book "Engineering Physics" by Ramesh Book Depot (R B D Professionals)

PERSONAL PROFILE

Date of Birth	February 03, 1975
Nationality	Indian
Marital Status	Married
Hobbies	Photography, Reading, Badminton etc.

ABHIJIT KULSHRESHTHA

List of Publication

Annexure -I

(a) Journals

1. “⁵⁷Fe Mössbauer Spectroscopic Study of Organic Rich Sediments from test wells CTP-1 & MDP-1 located in Eastern Krishna, Godavari Sub-basin, India,” published in Fuel, May 2004,U.K.
2. “Integration of Security, Safety and Surveillance Sensors in Intelligent Architectural Engineering”, IE (I) Journal- Ar, Vol 89, April 2008, Pg. 23-26
3. “⁵⁷Fe Mössbauer Spectroscopic Study of Organic Rich Sediments (Source Rocks) from test wells K-263 Cambay basin, India,” (DOI 10.1007/s10751-008-9836-0.) *Hyperfine Interactions* vol. 186 issue 1-3 September 2008. p. 23 – 29
4. “A Mössbauer Spectroscopic study of the Mahadevpur Meteorite” at “International Transactions in Applied Sciences” Pages:699-702, Vol 2 (2010), Issue -4 (October – December) (ISSN 0974-7273).
5. “A Variation in Hall coefficient of vacuum evaporated CdS thin film with e-m field” at “International Transactions in Applied Sciences” (ISSN 0974-7273).
6. “Network security challenges and Cryptography in network security”, J Comp & Maths. Sci Vol 2(1), Pg- 25 to 30 Feb., 2011.
7. “Resonant and Direct components in the ³He.D,P⁴. HE Reaction at Low Energies”, Journal of Advances in Science and Technology, Resonant and Direct components in the ³He.D,P⁴. HE Reaction at Low Energies”, Journal of Advances in Science and Technology]
8. MATLAB Design and Simulation of Series Controller for Damping of Energy System Oscillations, International Journal of Computer Applications, Volume 23– No.6, June 2011 (0975 – 8887).
9. “Astrophysical ³He(d,p)⁴ He cross section and the electron screening with losses of energy”, Journal of Advances in Science and Technology, Vol-II & Issue-I, August, 2011.[e-ISSN-2230-9659, Print ISSN:9999-9999]
10. “Wi-Fi network communication & security issues in today world”, Journal of Natural Science, Biology and Medicine, Vol 2, Issue 3, pg. 95,Dec 2011 [ISSN: Print -0976-9668, Online - 2229-7707]
11. “Effect of E-M Field On Hall Coefficient Of ZnTe Thin Film“ Journal Of Pure and Applied Science and Technology, Vol.1 Issue 1 July,2011 Pg.1-3. [ISSN : 2249-9970 (Online), 2231-4202 (Print)]
12. ARGON IMPLANTATION EFFECTS IN CdS THIN FILM, “International Journal of Advanced Engineering Technology IJAET/Vol.III/ Issue I/January-March, 2012/208- 212 E-ISSN 0976-3945
13. Effect of E-M Field On Hall Coefficient Of CdS Thin Film“ Journal Of Pure and Applied

Science and Technology, Vol.2 Issue 1 Jan ,2012 Pg.124-126. [ISSN : 2249-9970 (Online), 2231-4202 (Print)]

14. The study of Wi-Fi Communication and Network Security Technique and Issues in Real Time “International Journal of Electrical, Electronics and Computer Engineering” , 2(1): Pg. 123-126 (2013) June, 2013 [ISSN No. online : 2277-2626]
15. The Wireless Communication Technology Trends and Network Security Methods, International Journal of Modern Embedded System (IJMES) Volume No.-1, Issue No.-3, June, 2013, ISSN: 2320-9003 Online.
16. Electronic Structure and Vibrational Analysis of Amino-Benzoic Acid by Density Functional Method a-b initio and MP3,”Napier Indian Advanced Research Journal of Science, Vol. 11, June 2013, pg.27-34 [ISSN-0975-1726]
17. A Mössbauer Spectroscopic study of Ordinary Chondrites“Journal Of Pure and Applied Science and Technology, Vol.3 Issue 1 July, 2013 Pg.25-28. [ISSN: 2249-9970 (Online), 2231-4202 (Print)]
18. “A Comparative Study of Face Recognition System Using PCA and LDA”, International Journal of IT, Engineering and Applied Sciences Research (IJIEASR) Volume 2, No. 10, October 2013, Pg 12-21, ISSN: 2319-4413.
19. “Extensive Comparative Study: Robust Face Recognition System with Various Normalization Techniques” International Journal of IT, Engineering and Applied Sciences Research (IJIEASR) Volume 2, No. 12, December 2013, Pg 7-12 ISSN: 2319-4413
20. “Nitrogen Implantation Effect in CdS Thin Film” Journal of Engineering Research and Studies, Oct-Dec., 2013 Pg. 16-18, E-ISSN 0976-7916.
21. “ Schottky Injector”, International Journal of Advanced Engineering Technology, Int J Adv Engg Tech/IV/IV/Oct-Dec.,2013, E-ISSN 0976-3945
- 22.” Spin – LED Characterization”, Asian Journal of Engineering Research, Vol. II/Issue I/Oct.-Dec., 2013/ pg. 05-09, ISSN No.-2319-2100
23. “Intelligent Method for Resource Allocation in Grid Computing Using Multi Agent” Journal of Pure and Applied Science & Technology, Vol. 4(1), Jan 2014, pp. 36-45 ISSN: 2249-9970 (Online), 2231-4202 (Print) [36] Received: 11.08.13, Accepted: 18.09.13
24. “Facial Expression Recognition by Using Directional 2DPCA, “International Journal of IT, Engineering and Applied Sciences Research Volume 4, Issue 5, May 2015, ISSN: 2319-4413. SJ Impact Factor – 3.084
25. Graphene : A Novel Material and its Smart Applications in Organic Light Emitting Diodes, International Science Journal, Volume 2 , Special Issue 1 (2015), ISSN:2348-604X (p); 2348 – 6058 (e).

(b) Conferences/Symposia

1. "Industry Institute Partnership in Technical Education "at the 33rd ISTE Annual Convention

- & National Seminar, 27-30 Dec, 2003 at Coimbatore.
2. "Photonic Sensors: Emerging Technologies" at National Seminar by Institute of Engineers India (IEI) on Photonics emerging science and Technology at Guru Teg Bahadur Khalsa Institute of Engineering and Technology, Malout (Punjab).
 3. "Management of Creativity in Engineering Profession" at the 19th Indian Engineering Congress, Lucknow.
 4. "Some Recent Trends in CAQC And Sustenance of Competitive Advantage in Modern Industries", at UGC National Conference on Advances in Industrial Automation, March 20-21, 2004, MBM Engineering College, Jodhpur.
 5. "Mechatronics: An Inter disciplinary Approach to concurrent Engineering", at UGC National Conference on Advances in Industrial Automation, March 20-21, 2004, MBM Engineering College, Jodhpur.
 6. "Application of QC Planning in Industry", at UGC National Conference on Advances in Industrial Automation, March 20-21, 2004, MBM Engineering College, Jodhpur.
 7. "Study of Distribution of Sulphate Minerals in Sub-Surface Sediments of Cambay and Krishna Godavari Basin of India using Mössbauer Spectroscopy", at National Symposium on Applications of ^{57}Fe Mössbauer Spectroscopy, February 6-8, 2006, Department of Physics, J N V University, Jodhpur.
 8. "Increase in the Relative Amount of Fe^{+2} in Some Clay Forming Minerals in Sediments having high Degree of Maturity; A ^{57}Fe Mössbauer Spectroscopic study", at National Symposium on Application of ^{57}Fe Mössbauer Spectroscopy, February 6-8 2006, Department of Physics, JNV University, Jodhpur.
 9. "Quantum Logic Gate in a two-Qubit Solid-State Device", at 22nd National Convention of Electronics and telecommunication engineers and National seminar on Advances in Electronics & telecommunication technologies vision -2020" August 4-5 2006, at Institution of Engineers, Jaipur.
 10. "Next generation Manufacturing Systems and Advanced Manufacturing Processes", All India Seminar on Automation in Manufacturing & Process Industries, 18-19 August, 2007, The institute of Engineers (India). Keynote Address.
 11. " ^{57}Fe Mössbauer Spectroscopic Study of Organic Rich Sediments (Source Rocks) from test wells K-263 Cambay basin, India," at International Conference on the Applications of the Mössbauer Effect (ICAME-2007), October 14 -19, 2007.
 12. "Integration of Security, Safety and Surveillance Sensors in Intelligent Architectural Engineering", at 23rd National Convention of Architectural Engineers and National seminar on Intelligent Architectural Engineering – Global challenges October 30-31, 2007, at Institution of Engineers, Jaiselmer.

13. "Nano-technology and Computer science application and opportunities," National Conference on Nanotechnology : Applications and Implications, September 25-26, 2010, at Institution of Engineering and Technology, Alwar (Rajasthan).
14. "Designs and Analysis of FET Devices with CNT, National Conference on Nanotechnology: Applications and Implications, September 25-26, 2010, at Institution of Engineering and Technology, Alwar (Rajasthan).
15. "Network security challenges and Cryptography in network security" at National Conference On New Advances In Core Computing And Their Challenges (Nacctc-2010), at M B M Engineering College, Jodhpur.
16. "Cluster based Cloud Computing- Review", at National Conference on Information , Computational Technologies & e- Governance, Nov. 19-20th ,2010, at Laxmi Devi Institute of Engineering & Technology, Alwar(Raj)
17. "The Comparison of Kerberos Authentication Service" at IEEE- MTT-S National Conference on Recent advances in Electronic, Telecommunication Computing Control Technologies, Arya College of Engg & IT, Nov. 22-23, 2010
18. "Cluster based Cloud Computing" at International Conference on Current Trends in Technology NUICUNE 2010, Dec 9-11, 2010, Institute of Technology, Nirma University, Ahmedabad.
19. "Advantages and Challenges of Network Based Intrusion Detection System (IDS)" at National Conference on "Innovative Development in Next Decade" Challenge, Issues & Solutions, Feb 11-12, 2011, Faculty of Engineering & Technology, J N University, Jodhpur.
20. "Asymmetric Core Computing High- Performance Computing Application" at National Conference on "Innovative Development in Next Decade" Challenge, Issues & Solutions, Feb 11-12, 2011, Faculty of Engineering & Technology, J N University, Jodhpur.
21. "Wi-Fi Communication and Network Security" at National Seminar on "Advances in Complex Analysis and Special Functions" March 12-13, 2011, Department of Mathematics, Central University of Rajasthan, Kishangarh, Distt. Ajmer (Raj.)
22. "Wi-Fi Network communication and Security issues in today's world "at Inter-National Conference on "International Interdisciplinary Science Conference- 2011 on Bio informatics: An Interface between Computer Science and Biology. November 15-17, 2011, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi-110025.
23. "Study of Botnets, Computer Forensics and Anti Forensics Methods used in Botnets " at National Conference on "Secure data communication & Networks "March 30-31, 2011, Dept. of Computer Science and Engineering, Suresh Gyan Vihar University, Jaipur and Computer Society of India.

24. “Wi-Fi Communication Technology Trends and Network Security Methods“ at National Conference on “Emerging Technologies in Computer Engineering November 26, 2011, Dept. of Computer Science and Engineering and IEEE computer Society Students Branch Chapter at SKIT, Jaipur.
25. “A study of Grid-based Navigation for Automobile robotics Technology” at National Conference on “Advances in Communication, Computer & Electrical Engineering (ACCE-2012), 7-8, April 12, At Modern Institute of Technology \$ Research Centre, Alwar.
26. “*Calculation of single Ionization fully differential cross section of hydrogen molecule using DWBA approach*” (poster) at ICAMDATA- (Eight) The International Conference on Atomic and Molecular Data and Their Applications 2012 at National Institute of Standards and Technology (NIST) Gaithersburg, MD 20899-0001 USA, Washington, DC Area.
- 27.”Implementation of Multilayer Inverter in local trains in Mumbai: A literature survey” at International Conference on Advance Trends in Engineering and Technology(ICATET) 2013, 19-20th Dec. 2013 , Araya College of Engineering & I.T., Kukas, Jaipur.
- 28.A 3-Way Merging Algorithm and Optimization for Mobile Hosts”, 2nd International Conference on Technological and Management Advances in the New Age Economy: An Industry Perspective, 1st March,2014 , Mangalmay Institutions, Knowledge Park-2, Greater Noida. .3
- 29.” Three way merge in mobile host and challenges”, International Conference on Recent Trends in Computing, Communication and Sciences, (ICRTCCS '16), 8-9 January 2016, International Institute of Information Technology, Hinjawadi, Pune.