

Curriculum vitae

PERSONAL INFORMATION



Dr. Sharad Chandra Tripathi

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[ID](#) [ORCID](#) [0000-0002-9202-7598](https://orcid.org/0000-0002-9202-7598)

Gender Male | **Date of birth** 15 June 1986 | **Nationality** Indian

Other Researcher Profiles

- **Scopus Author ID:** 53264963400
- **Google Scholar:** DVMNjugAAAAJ
- **ResearchGate:** Sharad-Tripathi-3

WORK EXPERIENCE

Jan 2026 – Present

Assistant Director - Student Outreach

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

Jan 2024 – Present

Senior Assistant Professor (Grade 2) of Physics

School of Advanced Sciences and Languages

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

Oct 2019 – Present

Coordinator - Unnat Bharat Abhiyan Cell

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

As the Coordinator of the Unnat Bharat Abhiyan (UBA), I am responsible for facilitating and coordinating the implementation of the UBA initiative within a cluster of villages. The initiative connects higher educational institutions with rural communities to address their developmental challenges through participatory and sustainable processes.

Nov 2017 – Present

Coordinator - PSI Society

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

November 2022 – July 2024

Assistant Director, University Affairs

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

As the Assistant Director of University Affairs, I play a pivotal role in managing and enhancing administrative and operational functions within the university. I collaborate closely with senior administration and management to ensure the smooth operation of various university affairs and support the strategic initiatives of the institution.

- Administered the day-to-day activities of the university.
- Managed Staff HR and Recruitment.
- Coordinated AISHE data submission.
- Oversaw the purchase process.
- Managed operations of university transport.
- Handled the operations of the Centralized Support System at the university.
- Assisted in the development and implementation of policies, monitored policy effectiveness, and recommended updates or revisions as needed.

September 2022 – July 2024 **Member of Placement Malpractice Committee**

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

Oct 2020 – July 2024 **Coordinator - New Program Development**

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

- Managed, coordinated, and oversaw strategic planning for program expansion and led its implementation, marketing, and evaluation to enhance academic opportunities at VIT Bhopal.

Jan 2023 – Dec 2023 **Senior Assistant Professor (Grade 1) of Physics**

School of Advanced Sciences and Languages

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

Sept 2021 – Dec 2022 **Assistant Professor (Grade 2) of Physics**

School of Advanced Sciences and Languages

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

Dec 2017 – Jan 2020 **Program Officer – National Service Scheme (NSS)**

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

Served as Program Officer for the NSS unit at VIT Bhopal University, affiliated with Barkatullah Vishwavidyalaya, Bhopal. The National Service Scheme operates under the Ministry of Youth Affairs & Sports, Government of India. Led community service initiatives, coordinated with government departments, and mentored students in executing social outreach programs, fostering hands-on experience in community development.

Jul 2017 – Aug 2021 **Assistant Professor of Physics**

School of Advanced Sciences and Languages

VIT Bhopal University

Bhopal-Indore Highway, Kothri Kalan, Sehore-466114, Madhya Pradesh, India

Taught Engineering (UG/PG) and Research Students

The following subjects were taught at VIT Bhopal:

- Introduction to Computational Physics (PHY1003)
- Engineering Physics (PHY1001)
- Game Physics (PHY1002)
- Fundamentals of Space Physics (PHY1004)
- Energy and Environmental Physics (PHY2002)
- Electromagnetic Fields (EEE2002)
- Environmental Science (CHY1002)
- Environmental Sustainability (CHY1006)
- Engineering Design (DSN2096)

Jan 2017 – Jun 2017 Assistant Professor of Physics

Department of Basic Sciences

Oriental Institute of Science and Technology

Opp. Patel Nagar, Raisen Road, Bhopal-462022, Madhya Pradesh, India

Taught Engineering (UG) Students

The following subjects were taught at OIST:

- Engineering Physics (BT201)
- Rural Outreach (BT108)
- Environmental Science (XXXXX)

Dec 2015 – Jun 2016 Post Doctoral Fellow

Department of Electrical Engineering

Frederick University

7, Y. Frederickou Str., Pallouriotisa, Nicosia-1036, Cyprus

As a team member of the Cyprus Ionospheric Research Group, I worked on the effects of solar transients on ionospheric perturbations and their modeling.

Oct 2010 – Apr 2012 Project Associate

Astronomy and Astrophysics Division

Physical Research Laboratory (Dept. of Space, Govt. of India)

Navrangpura, Ahmedabad-380009, Gujarat, India

- As a Project Associate, I conducted research and assisted with the work of the SOXS Labs at Physical Research Laboratory (Dept. of Space, Govt. of India) under the AADTO/SOXS project. SOXS/GSAT-2 was an Indian mission for solar exploration in X-rays, which successfully completed an 8-year journey in space before being de-orbited on 2nd May 2011.
- Contributed to the development of the Plasma and Current Experiment (PACE) for India's first Mars mission in 2013 under the supervision of Prof. Rajmal Jain (Principal Investigator).
- Installed a 10 cm aperture H-alpha telescope to observe the Sun at the Physical Research Laboratory, Ahmedabad, India.

STUDENTS SUPERVISED

Jan 2022 – Present Ph.D. Research Scholar

Mr. B. Suresh Babu (21PHD10013) is pursuing his doctoral studies under my co-supervision at VIT Bhopal University. His Ph.D. topic is "Spectroscopic Diagnostics of the Solar Interface Region."

FELLOWSHIPS

Dec 2015 – Jun 2016 Erasmus Mundus - INTACT Fellowship

Host Institution: Department of Electrical Engineering

Frederick University

7, Y. Frederickou Str., Pallouriotisa, Nicosia-1036, Cyprus

Apr 2014 – Jan 2015 Senior Research Fellowship

Under the UGC BSR (SAP) Fellowship Scheme

Department of Physics, Barkatullah Vishwavidyalaya, Bhopal-462026, Madhya Pradesh, India

Apr 2012 – Mar 2014 Junior Research Fellowship

Under the UGC BSR (SAP) Fellowship Scheme

Department of Physics, Barkatullah Vishwavidyalaya, Bhopal-462026, Madhya Pradesh, India

GRANTS AWARDED

Feb 2024 Madhya Pradesh Council of Science & Technology Grant

For organizing National Science Day 2024 under the project title "Celebration of National Science Day 2024 in Madhya Pradesh" (NCSTC, DST, GOI, New Delhi funded project). Ref. No. 2586/CST/Sci.Pop./NSD/2024 dated 16 Feb 2024.

Feb 2022 **Madhya Pradesh Council of Science & Technology Grant**

For organizing National Science Day 2022 under the project title "Celebration of National Mathematics Day 2021 and National Science Day 2022 in Madhya Pradesh" (NCSTC, DST, GOI, New Delhi funded project). Ref. No. 2978/CST/Sci.Pop./NSD/2022 dated 23 Feb 2022.

Feb 2021 **Madhya Pradesh Council of Science & Technology Grant**

For organizing National Science Day 2021 under the project title "Celebration of National Mathematics Day 2020 and National Science Day 2021 in Madhya Pradesh" (NCSTC, DST, GOI, New Delhi funded project). Ref. No. 1953/CST/Sci.Pop./NSD/2021 dated 17 Mar 2021.

Nov 2019 **COSPAR Grant**

For attending the COSPAR Capacity Building Workshop on "Principles and Practice of Nano-Satellite Engineering" organized by COSPAR, Tel Aviv University, and Technion- Israel Institute of Technology at Tel Aviv University, Tel Aviv, Israel during 28th Oct – 1st Nov, 2019.

The following expenses were covered by the grant:

- 600 €
- All subsistence costs for lodging and accommodation

Jul 2013 **NASA/ NSF Grant**

For attending the Heliophysics Summer School 2013 organized by NASA and NSF at UCAR, Boulder, Colorado, from 12th to 19th July 2013.

The following expenses were covered by the grant:

- Per diem (200 \$)
- Visa fee (160 \$)
- Roundtrip airfare
- Ground transportation in Colorado
- Lodging

Nov 2012 **American Geophysical Union (AGU) Grant**

For attending the AGU Chapman Conference 2012 on "Longitude and Hemispheric Dependence of Space Weather" held in Addis Ababa, Ethiopia, from 12th to 16th November 2012.

The following expenses were covered by the grant:

- Per diem (200 \$)
- Roundtrip economy class airfare
- Registration fee
- Six-night accommodation

Jul 2012 **DST - International Travel Support (ITS) Grant**

Awarded by the Department of Science and Technology (DST), Govt. of India, for attending the CISM Summer School held from 16th to 27th July 2012 in the USA. (Ref. SR/ITS/1759/2012-2013)

The following expenses were covered by the grant:

- Roundtrip economy class airfare
- Registration fee
- Airport tax
- Visa fees

EDUCATION

2009 – 2015 **Doctor of Philosophy (Ph.D.) in Physics**

Title - "Space Weather: The Sun and Earth perspectives - Events and their Geo-effectiveness"

UTD, Department of Physics, Barkatullah Vishwavidyalaya, Bhopal-462026, Madhya Pradesh, India

2008 – 2009 Master of Philosophy (M.Phil.) in Physics

UTD, Department of Physics, Barkatullah Vishwavidyalaya, Bhopal-462026, Madhya Pradesh, India

- Scored: 66.75%
- studied Advanced Solid State Physics, Advanced Material Science, Advanced Plasma Physics
- dissertation completed on "Radio Noise at 20 MHz due to Galactic Sources" from Aryabhata Research Institute of Observational Sciences (ARIES) (An Autonomous Institute under the Department of Science & Technology, Govt. of India) Manora Peak, Nainital-263001, Uttarakhand, India

2006 – 2008 Master of Science (M.Sc.) in Physics

M.L.K. P.G College, Balrampur-271201, Uttar Pradesh affiliated to Dr. Rammanohar Lohia Awadh University, Ayodhya (Formerly Faizabad) -224001, Uttar Pradesh, India

- Scored: 64.65%
- M.Sc. Previous Subjects: Mathematical Physics, Electromagnetic Theory and Plasma Physics, Quantum Mechanics, Atomic and Molecular Spectroscopy, Electronics
- M.Sc. Final Subjects: Nuclear and Particle Physics, Condensed Matter Physics, Electrodynamics and Numerical Analysis, Communication Electronics, Digital Electronics and Micro-processor

2002 – 2005 Bachelor of Science (B.Sc.)

University of Lucknow, Lucknow-226007, Uttar Pradesh, India

- Scored: 56.27%
- studied Physics, Mathematics, Statistics

2000 – 2002 Intermediate (10+2)

Jai Kisan Inter College, Sakatpur Sanai, Siddharth Nagar-272207, Uttar Pradesh, India

- Scored: 72.8%
- studied Hindi, English, Mathematics, Physics, Chemistry
- Uttar Pradesh Madhyamik Shiksha Parishad

1998 – 2000 High School (10)

Jawahar Lal Nehru Smarak Inter College, Naugarh, Siddharth Nagar-272207, Uttar Pradesh, India

- Scored: 68.5%
- studied Hindi, English, Science, Mathematics, Sanskrit, Social Science
- Uttar Pradesh Madhyamik Shiksha Parishad

WORKSHOPS, TRAINING, CERTIFICATIONS & FDP

15 Jul – 16 Aug 2025

Summer Training Programme on Remote Sensing and GIS

Training conducted by **India Space Academy (ISA)** during India Space Week.

- Enrolment No.: **720768**

16 Feb 2024 One day workshop on "All India Survey on Higher Education, M.P."

organized at RCVN Naronha Academy of Administration and Management, Madhya Pradesh, Bhopal. Sponsored by AISHE Cell, Department of Higher Education, Govt. of Madhya Pradesh

- 05 – 13 Dec 2022 **Professional Development Programme on 'Implementation of NEP-2020 for University and College Teachers'**
UGC-Approved Short-Term Professional Development Programme Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching organized INDIRA GANDHI NATIONAL OPEN UNIVERSITY Staff Training and Research Institute of Distance Education, New Delhi 110068
– obtained 'A+' Grade i.e. 85% and above
– Control No.:223038203S
- 21 May 2022 **Gamification Learning with Genially**
an online non-credit project authorized by Coursera Project Network and offered through Coursera
– Credential ID:9DEK2KZVN3D3
– Grade Achieved: 100%
- 28 – 30 Oct 2021 **3 Day Workshop on Python**
Organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMMNMTT), MoE, Govt. of India.
– Enroll Number: 244667
- 23 – 24 Sep 2021 **Workshop on FORMOSAT-7/COSMIC-2 Radio Occultation Data and Applications**
organized by National Space Organization, Tiwan
- 27 Nov 2020 **Using Python to Access Web Data**
an online non-credit course authorized by University of Michigan and offered through Coursera
– 6 Weeks Course: 2-4 hours/week
– Credential ID:HAQ6JMHXX2GC
– Grade Achieved: 97.36%
- 28 Oct 2020 **Online National Webinar on "The Path to a Sustainable Future"**
organized by Indian Institute of Management Sirmaur
- 07 Oct 2020 **Scilab Beginner Workshop**
Organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMMNMTT), MoE, Govt. of India
– Enroll Number: 242063
- 23 Jun 2020 **Python Data Structures**
an online non-credit course authorized by University of Michigan and offered through Coursera
– 2-4 hours/week
– Credential ID: TGPY9K2M8Z3P
– Grade Achieved: 99.20%
- 23 Jun 2020 **Programming for Everybody (Getting Started with Python)**
an online non-credit course authorized by University of Michigan and offered through Coursera
– 2-4 hours/week
– Credential ID:YFM5RB5MCU7D
– Grade Achieved: 100%

- 20 – 21 Jun 2020 **The BodhiTree and SAFE Tools for Effective Online Teaching A Hands On Workshop**
Organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMSTT), MoE, Govt. of India
– Enroll Number: 236881
- 16 May 2020 **Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop**
Organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMSTT), MoE, Govt. of India
– Enroll Number: 233746
- Feb 2020 **"Leadership And Governance In Higher Education Level 2" (Course Code: ARP19 AP69)**
successfully completed the ARPIT 16 weeks Course, By Prof.(Dr) Sanjeev A. Sonawane of Savitribai Phule Pune University, for Career Advancement Scheme(CAS) promotion with a "D" Grade in the proctored examination held on 16 Feb 2020
– Application No.: 200710001227arp19-ap69
– Scored: 57.7%
- 26 – 27 Nov 2019 **NSS University level Resource Group Training**
organized jointly by UNICEF, Awaj and NSS under "Youth as Champions for Child Protection" programme in Madhya Pradesh.
- 18 Oct – 01 Nov 2019 **COSPAR Capacity Building Workshop "Principles and Practice of Nano-Satellite Engineering"**
organized by Tel Aviv University, Tel Aviv, Israel in collaboration with COSPAR, Germany
- Jul – Sep 2019 **NPTEL-AICTE Faculty Development Programme on "Solar Photo-voltaics Fundamentals, Technology and Applications"**
successfully completed the NPTEL 8 weeks Course with a consolidated score of 52%.
– Roll No.: NPTEL19PH13S21150228
- 30 Oct – 13 Dec 2018 **AICTE approved Faculty Development Programme (FDP201x) on "Ped-agogy for Online and Blender Teaching-Learning Process"**
Conducted by Indian Institute of Technology Bombay.
Held under the aegis of Pandit Madan Mohan Malviya National Mission for Teachers and Teaching (PMMMNMSTT), MHRD, Gol.
– Remote Center ID: 1492.
– Online Activity from 30 Oct to 13 Dec, 2018 and Physical participation at Remote Center on 17 and 18 Nov, 2018, together considered as two-week equivalent FDP course.
- 13 Sep – 18 Oct 2018 **AICTE approved Faculty Development Programme (FDP101x) on "Foundation Program in ICT for Education"**
Conducted by Indian Institute of Technology Bombay.
Held under the aegis of Pandit Madan Mohan Malviya National Mission for Teachers and Teaching (PMMMNMSTT), MHRD, Gol.

- Remote Center ID: 1492.
- Online Activity from 13 Sep to 18 Oct, 2018 and Physical participation at Remote Center on 6 and 7 Oct, 2018, together considered as two-week equivalent FDP course.

- 12 – 30 Jun 2017 **Faculty Development Programme**
Organized by VIT Chennai, Tamilnadu
- 26 – 28 Oct 2015 **SpaceInnSchool on Astero/Heliopause and Stellar/Solar Physics**
Organized by Division of Physical Sciences, Institute of Research into the Fundamental Laws of the Universe, Department of Astrophysics, Centre for Atomic Energy and Alternative Energies(CEA), Saclay, France.
- 16 – 19 Mar 2015 **National Workshop on GPS RO Technique and Applications**
Organized by SRM University, Chennai. Sponsored by Department of Science and Technology, Govt. of India.
- 13 – 15 Mar 2015 **Workshop on "India's 5G Vision: 2020"**
Organized by Barkatullah University, Bhopal and Global ICT Standardisation Forum for India
- 22 Nov 2013 **Workshop on "Mantras of Entrepreneurship"**
Organized by National Institute of Technical Teachers' Training and Research, Shamlu Hills, Bhopal and U.S. Consulate General, Mumbai
- 16 – 30 Sep 2013 **51st Refresher Course in Experimental Physics**
Organized by Department of Physics, Barkatullah University, Bhopal. Sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of Sciences, India, Allahabad
- 12 – 19 Jul 2013 **Seventh Heliophysics Summer School on "Heliophysics of the Solar System"**
organized by NASA and NSF at UCAR, Boulder, Colorado, USA.
- 23 – 25 Nov 2011 **Solar Radio Workshop 2011**
Conducted by National Centre for Radio Astrophysics, Tata Institute of Fundamental Research and Department of Electronic Science, University of Pune

**CONFERENCES, SEMINAR,
SYMPOSIUMS ATTENDED**

- 21 – 22 Jan 2022 **SciPy India Conference 2021**
Participated in the online SciPy India 2021 Conference organized by FOSSEE, IIT Bombay
- 28 Oct 2020 **Online National Webinar on "The Path to a Sustainable Future"**
Organized By Indian Institute of Management Sirmour
- 30 – 31 Mar 2015 **National Seminar on Recent Trends in Science & Technology**
Under the focal theme of Science Congress - 2015; Science & Technology for Human Development.
Organized by The Indian Science Congress Association, Bhopal Chapter and M.P. Council of Science and Technology, Bhopal, M.P.

26 – 27 Mar 2014 **National Seminar on Innovation in Science and Technology for Inclusive Development**

Organized by The Indian Science Congress Association, Bhopal Chapter and M.P. Council of Science and Technology, Bhopal, M.P.

19 Dec 2013 **National Seminar on TVET Skills for Enhancing Youth Employability: Perspectives and Strategies**

Organized by National Institute of Technical Teachers' Training and Research, Bhopal in collaboration with Colombo Plan Staff College (CPSC)-India under Asia Pacific Capacity Building Project for Skills Development for Poverty Alleviation

12 – 16 Nov 2012 **AGU Chapman Conference 2012 on "Longitude and Hemispheric Dependence of Space Weather" held in Addis Ababa, Ethiopia**

Organized by American Geophysical Union

14 – 17 Feb 2012 **17th National Space Science Symposium, Tirupati, India**

Organized by Shri Venkateshwara University, Tirupati and ISRO

09 – 10 Oct 2010 **National level seminar on "Solar Activity and Cosmic Ray Modulation"**

Organized by Govt. Autonomous PG College, Satna, M.P.

**WORKSHOPS, EVENT
ORGANIZED & RESOURCE
PERSON, TRAINER**

05 Dec – 07 Dec 2024 **Interdisciplinary Perspectives in Mathematics, Science, and Linguistics**

VIT Bhopal University organized "Interdisciplinary Perspectives in Mathematics, Science, and Linguistics" conference and a grant of Rs. 150000/- was awarded by ANRF (Ref. File Number: SSY/2024/001298) under "Assistance to Professional Bodies & Seminar / Symposia Scheme".

28 Feb – 15 Mar 2024 **National Science Day Celebration - 2024**

VIT Bhopal University celebrated National Science Day during 28 February - 15 March, 2024. A lecture series, Painting Competition, Exhibition, Quiz Competition were organized during the celebration. This event was catalyzed and supported by NCSTC, DST, New Delhi, GOI & MPCST, Bhopal, Madhya Pradesh

25 Feb – 03 Mar 2022 **National Science Day Celebration - 2022**

VIT Bhopal University celebrated National Science Week during 25 February - 03 March, 2022. Shri Anil M. Desai, Director, Space Application Centre, Ahmedabad graced the inaugural function as Chief Guest on 25th February 2022 in online mode, whereas Dr. Anil Bhardwaj, Director, Physical Research Laboratory, Ahmedabad was the Chief Guest at Valedictory Function on 03rd March 2022. This event was catalyzed and supported by NCSTC, DST, New Delhi, GOI & MPCST, Bhopal, Madhya Pradesh.

07 Dec – 09 Dec 2021 **International Conference on Data Analytics and Computational Techniques (ICDACT) 2021**

VIT Bhopal University organized "International Conference on Data Analytics and Computational Techniques (ICDACT)- 2021" - contributed as Organizing Committee Member

22 – 28 Feb 2021 **National Science Day Celebration - 2021**

VIT Bhopal University celebrated National Science Week during 22 Feb - 28 February, 2021. Prof. Anil D. Sahasrabudhe, Chairman, AICTE graced the inaugural function as Chief Guest on 22nd Feb 2021 in online mode, whereas Dr. Madhulika Guhathakurta, Senior Advisor for New Initiatives, GSFC/HPD, Program Scientist/Heliophysics, NASA HQ was the Chief Guest at Valedictory Function on 28th Feb 2021. This event was catalyzed and supported by NCSTC, DST, New Delhi, GOI & MPCST, Bhopal, Madhya Pradesh.

18 – 20 Dec 2020 **Recent Trends in Applied Science and Computing Engineering (RTASCE-2020)**

Member of Technical Committee in 2ND NATIONAL CONFERENCE ON Recent Trends in Applied Science and Computing Engineering (RTASCE-2020) organized in Virtual Mode by School of Advanced Sciences and Languages, VIT Bhopal University

11 – 17 Feb 2019 **National Service Scheme (NSS) - 7 Days Special Camp**

Organized in the capacity of Program Officer of National Service Scheme, VIT Bhopal University Unit on the theme of "Health - Public Hygiene & Personal Health" at Govt. Middle School, Kachnariya, Teh. Ashta, District - Sehore.

17 Apr 2018 **SPECTRA 1.0**

Organized one day Science Fair in the capacity of Coordinator at VIT Bhopal University Campus. Students from nearby cities; Sehore, Ashta, Bhopal, Dewas and Indore participated in various competitions organized during the celebration.

06 – 07 Mar 2018 **National Workshop on “RC AIRCRAFT DESIGN”**

Organized by VIT Bhopal Automotive Society, School of Mechanical Engineering (SME), VIT Bhopal University, Kothri Kalan, Sehore, M.P., India.

18 – 20 Feb 2014 **Workshop on “Development of Experimental Skill in Higher Education”**

Organized by the Department of Physics, IEHE Bhopal, M.P., India.

04 – 10 Feb 2013 **“Vigyan Sampark Karyakram”; an initiative for meritorious school students**

Organized by Science Center Gwalior and National Council for Science and Technology in Barkatullah University, Bhopal, M.P., India.

MEMBERSHIPS

Lifetime Membership of Astronomical Society of India

Membership Number: 2178

Lifetime Membership of Indian Association of Physics Teachers (IAPT)

Membership Number: L9500

Lifetime Membership of Vijnana Bharti

TECHNICAL & ADMINISTRATIVE SKILLS

- Programming Languages
- Python
 - Interactive Data Language (IDL)
 - C/C++
 - C#
 - HTML

Organisational / Managerial
Expertise

- Led diverse administrative functions at VIT Bhopal University, encompassing Human Resources, recruitment, admissions, promotions, and marketing strategies to align with institutional goals and improve operational efficiency.
- As Assistant Director of University Affairs (ADUA), managed key areas within student affairs, academic coordination, and administrative operations, enhancing the overall student experience and institutional performance.
- Spearheaded the development of innovative academic programs in collaboration with faculty and administration, overseeing curriculum design, approval, and implementation.
- Directed the Unnat Bharat Abhiyan Cell, promoting sustainable rural development through community outreach initiatives aligned with government objectives.
- Coordinated the PSI Society, driving student engagement and leadership development projects that made a positive social impact.
- Applied expertise in HR management, from recruitment to promotions, and led marketing initiatives to enhance the university's image and academic offerings.
- Streamlined operational processes, leading to increased efficiency and improved service delivery across various departments.
- Collaborated with cross-functional teams to achieve organizational goals, particularly in academic development and community engagement.
- Utilized strong communication and interpersonal skills to foster productive relationships with students, faculty, staff, and external stakeholders.
- Conducted market research to identify growth opportunities and inform data-driven decisions in program development.

PEER REVIEWED
JOURNALS-CONFERENCE
PROCEEDINGS-CONFERENCE
ABSTRACTS-BOOKS-BOOK
CHAPTERS

- [1] Sharad C. Tripathi, Haris Haralambous, and Trisani Biswas. "Ionospheric Variability During the 10 October 2024 Geomagnetic Storm: A Regional Analysis Across Europe". In: *Atmosphere* 16.9 (2025). ISSN: 2073-4433. DOI: 10.3390/atmos16091029. URL: <https://www.mdpi.com/2073-4433/16/9/1029>.
- [2] Krishnendu Sekhar Paul, Haris Haralambous, Mefe Moses, and Sharad C. Tripathi. "Effects of the October 2024 Storm over the Global Ionosphere". In: *Remote Sensing* 17.13 (2025). ISSN: 2072-4292. DOI: 10.3390/rs17132329. URL: <https://www.mdpi.com/2072-4292/17/13/2329>.
- [3] B. Suresh Babu, Pradeep Kayshap, and Sharad C. Tripathi. "Spectroscopic diagnosis of a B-class flare and an associated filament eruption". In: *Astrophysics and Space Science* 370.2 (Feb. 2025), p. 13. ISSN: 1572-946X. DOI: 10.1007/s10509-025-04404-z. URL: <https://doi.org/10.1007/s10509-025-04404-z>.
- [4] B. Suresh Babu, Pradeep Kayshap, and Sharad C. Tripathi. "Self-absorption in solar surge as observed by IRIS". In: *Astrophysics and Space Science* 369.6 (June 2024), p. 61. ISSN: 1572-946X. DOI: 10.1007/s10509-024-04323-5. URL: <https://doi.org/10.1007/s10509-024-04323-5>.
- [5] B Suresh Babu, Pradeep Kayshap, Sharad C Tripathi, P Jelínek, and B N Dwivedi. "Spectroscopic diagnostic of the footpoints of the cool loops". In: *Monthly Notices of the Royal Astronomical Society* 528.2 (Jan. 2024), pp. 2474–2489. ISSN: 0035-8711. DOI: 10.1093/mnras/stae166. eprint: <https://academic.oup.com/mnras/article-pdf/528/2/2474/56485911/stae166.pdf>. URL: <https://doi.org/10.1093/mnras/stae166>.
- [6] B. Suresh Babu, Sudheer K. Mishra, Pradeep Kayshap, and Sharad C. Tripathi. "Recurring Homologous Surges from the Boundary of the Active Region". In: *41ST MEETING OF THE ASTRONOMICAL SOCIETY OF INDIA*. Vol. xx. Mar. 2023, p. xxxx. URL: https://www.astron-soc.in/asi2023/abstractdetails/ASI2023_29.

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