SHRI MATA VAISHNO DEVI UNIVERSITY



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NOVEMBER 2023

UPCOMING EVENTS

- One Day Workshop on Aero Modelling on 2nd Dec, 23.
- ICT Based Training Program on "Materials Characterization Techniques" starts from 4th-8th Dec,23.
- One-Day Awareness Program on "Cyber Crime and Safety" on 6th Dec, 23.
- Cultural Spectacle as a part of Viksit Bharat Utsav on 14th Dec, 23.
- 9th Convocation on 28th Dec, 2023.

PATRON

Prof. Pragati Kumar

Hon'ble Vice-Chancellor

EDITOR

Dr. Anurag Kumar Chairperson, Media Cell

DESIGN & DRAFT

Mr. Girdhari Lal Sharma Office Assistant, Media Cell

PHOTOGRAPHY

Mr. Om Parkash

SMVDU Girl Students embark on Educational Venture (Gyanodaya Express)



In a momentous event, Lt Governor, Jammu and Kashmir, Shri Manoj Sinha flagged off the 'Gyanodaya Express - College on Wheels' train from Katra Railway Station on Sunday. The train is a unique initiative aimed at transforming education, has onboard 700 girl students from various universities across the Union Territory, including 40 enthusiastic students from Shri Mata Vaishno Devi University (SMVDU). The expedition seeks to break down the traditional barriers of classrooms and academic disciplines, fostering immersive, collaborative, and project-based learning experiences. Amidst a delightful breakfast gathering at his residence, Prof. Pragati Kumar, the Vice Chancellor of SMVD University, inspired the participating students, to embrace this opportunity fully. He encouraged them to gain invaluable experiences by exploring new areas, diverse cultures, and interacting with individuals from various backgrounds. The girls from SMVDU will be actively engaged in seven different projects spanning the domains of consumer behavior, internet of things, science, humanities, and social sciences. The primary aim of this initiative is to expand the scope of education, fostering increased confidence, curiosity, and independence in girls. Dr. Sharada M. Potukuchi, the liaison officer of College on Wheels JKGE, along with Dr. Raghvendra Kumar Mishra, Dean of Students, are accompanying the SMVDU students on this enriching expedition with enthusiasm and care. As the students traverse various destinations like Parliament house and President house in New Delhi, Sabarmati Ashram, places of importance in Ahmedabad, Mumbai, Goa, Bengaluru and Wardha, they will have the unique opportunity to interact with people, gaining insights into the life of the Father of the Nation, Mahatma Gandhi. Gyanodaya stands as an innovative and noble project, aiming for the comprehensive empowerment of girl students, providing them with real-world experiences that go beyond traditional academic boundaries.



International Webinar organized at SMVDU

One Day International Webinar on "Electric Vehicle Dynamics and Design Calculations" was organized at the School of Mechanical Engineering, Shri Mata Vaishno Devi University (SMVDU), Katra. Dr. Sanjay

Sharma convened the program and provided a comprehensive overview of the webinar's objectives. The primary aim of the webinar was to acquaint the participants with the various applications and advancements in electric vehicles and their dynamics. The inaugural session of the seminar was graced by Dr. Balbir Singh, Dean of Academic Affairs, SMVDU, who presided as the Chief Guest. Dr. Singh, in his



address, inspired the students and participants, which include academicians and industry personnel from India and abroad, to delve into the diverse applications and potentials of electric vehicles. Esteemed speakers, Mr. Jagjit Singh, Mr. Anubhav Maheshwari, Mr. Ankush Kulshreshtha, and Mr. Sandeep Nimbalkar, Senior Engineers at Tata Technologies Ltd, delivered enlightening lectures on various aspects of Electric Vehicle, their dynamics, and design calculations. The seminar provided an excellent platform for the participants to present and engage in fruitful discussions about the latest innovations, trends, challenges, and solutions in the domain of Electric vehicles. Dr. Varun Dutta, Assistant Professor at the School of Mechanical Engineering and co-convener of the program, expressed his heartfelt gratitude during the vote of thanks. The coordinators extended their appreciation to the Hon'ble Vice-Chancellor of SMVDU, Professor Pragati Kumar, and Sh. Ajay Kumar Sharma (JKAS), Registrar of SMVDU, for their invaluable support in successfully organizing this enriching day-long webinar. The event undoubtedly contributed significantly to fostering knowledge exchange and advancements in the field of Electric Vehicles.

Dr. Baijnath Kaushik of SMVDU received a Grant for a Design Patent









The design patent for the "Digital Antibiotic Vials Auger Filling Machine" has been granted to Dr. Baijnath Kaushik, Associate Professor and the Head, School of Computer Science and Engineering who is also the Principal Investigator of Research Project RP-126 at Shri Mata Vaishno Devi University. Other collaborative recipients of the design patent include Dr. Akshma Chadha, Dr. Yusera Farooq Khan, Dr. Malvika Ashok (Research Associates), and Mr. Abhigya Mahajan (Research Scholar) under RP-126 at the School of Computer Science and Engineering, SMVDU. On October 19, 2023, the Comptroller-General of Patents, Designs and Trade Marks, Intellectual Property Office, UK issued the patent, which was assigned the design number 6319100. Version 14-2023 of the international design classification falls under the class Medical and Laboratory Equipment and the subclass Apparatus and Equipment for Doctors, Hospitals, and Laboratories.

SMVDU organised 7th India International Folk Festival



The 7th India International Folk Festival was organised in Shri Mata Vaishno Devi University by Borad of Cultural Activities (BCA), SMVDU in collaboration with Indian Council for Cultural Relations (ICCR), Ministry of External Affairs, Regional office Jammu. The event started with National Anthem of India, followed by Lamp lighting ceremony by the dignitaries on the dais. The event was graced by the Chief Guest, Honourable Vice Chancellor, Prof. Pragati Kumar, High Commissioner of the Republic of Cyprus to the Republic of India, Mr. Evagoras Vryonides, Regional Director of ICCR, Jammu, Mr. Rajesh Kumar, Registrar, SMVDU, Sh. Ajay Kumar Sharma, Finance Officer, SMVDU, Mr. Neeraj Gupta, Faculty, Staff and Students. The welcome address of the event was delivered by Mr. Rajesh Kumar, Regional Director of ICCR, Jammu. High Commissioner of the Republic of Cyprus to the Republic of India, Mr. Evagoras Vryonides addressed the audience of the event. The chief guest, HVC, Prof. Pragati Kumar also addressed the gathering highlighting the need of the International Folk Festival to have better understanding of the cultures across the Goble. The Cultural Troupe, Selas Dance and Music from Cyprus, performed the Plasmas Dance type depicted the evolution of human being with their instinct. The event was coordinated by Dr. Rakesh Kumar, President BCA, Dr. Kamni Pathania, Vice President, BCA, Dr. Rahul Sharma and Dr. Ankush Raina, Cultural coordinators, BCA. The ICCR organises such programme to create international understanding through cultural festivals and exchange programmes between India and different countries of the world. The event was hosted by Dr. Kamni Pathania, Vice President of BCA. The artists were felicitated by the dignitaries on the dais. The Vote of thanks was delivered by Dr. Ankush Raina, Cultural Coordinator of BCA.

Celebration and Day Observed

SMVDU hosted "World Anti-Microbial Resistance Awareness Week-2023" in Association with Microbiologists Society India

"World AMR Awareness Week" is organized every year from 18th to 24th November to raise awareness and understanding of the effects of antimicrobial resistance among the general public, health professionals, and policymakers. It is expected that by doing so, further emergence and the spread of AMR will be reduced. A one-day event on "World AMR Awareness week-2023" in association with MBSI as part of an awareness initiative taken by WHO to combat antimicrobial resistance was organized by the School of Biotechnology, SMVDU. The event was planned by researchers of the Molecular Biology lab, Miss Rabiya Tabbassum, Miss Mansavi Bhardwaj, and Miss Swadha Kailoo under the guidance of Dr. Shafaq Rasool, Faculty member SoBT to educate people about the judicious use of antibiotics. The event was attended by the students, research scholars, and faculty members of the School of Biotechnology, SMVDU. The opening remark of the event was delivered by Dr. Shafaq Rasool. She provided a brief introduction of



the event and explained the motive behind organizing such events and how AMR can be prevented or slowed down. A Poster presentation session on the theme "Preventing Antimicrobial Resistance Together" was also organized as part of the event. Students of B.Sc. Biotechnology and M.Sc. Biotechnology participated in the competition and presented their posters at the event. The winners of the poster presentation were awarded with certificates of appreciation. A pledge for the judicious use of antibiotics was also taken by all the attendees as part of this awareness program. The event was coordinated by Dr. Shafaq Rasool, Dr. Indu Bhushan, and Dr. Raju Shankarayan, Faculty members of SoBT, with the support of Head SoBT, Dr. Ratna Chandra. Dr. Shafaq Rasool thanked Microbiologists Society India (MBSI) especially Prof. Arvind Deshmukh, President of MBSI for being instrumental in organising this event. She also expressed her thanks to University authorities for making this event a success.

External Experts

Dr. M. Anusha Wijewardane delivered a Talk at SMVDU

Dr. M. Anusha Wijewardane, from the Department of Mechanical Engineering, University of Moratuwa, Sri Lanka who is currently associated with the University of Dundee UK has delivered an invited talk on The Role of Hydrogen in the Energy System Decarbonisation in an online mode for final year B. Tech, M. Tech and Ph.D. students of the School of Mechanical Engineering, SMVDU. The talk covered the background on climate change and climate action worldwide, the importance of hydrogen fuel with other fuels. Various hydrogen generation and storage methods at micro and macro level capacity. The Expert also focused on research avenues in the area of green hydrogen generation and techno-economic analysis. Students interacted with the speaker during the question and answer session. Prof. Eswaramoorthy and Prof. Ragavendra Kumar Mishra co-

ordinated the event and acknowledged the support and approval of Prof. Pragati Kumar, Honourable Vice Chancellor of SMVDU.

Faculty from the University of Arizona, USA delivered Lecture at School of Mechanical Engineering, SMVDU

Dr. Subham Badhyal, Assistant Professor, University of Arizona delivered an invited lecture at School of Mechanical Engineering, SMVDU on the topic "Engineering in Medicine". The speaker dealt with various engineering aspects of medicine such as biomechanics, design and development of orthopedic implants and rehabilitation devices and human motion analysis. The speaker apart from sharing his vast research



experience also motivated the students and scholars present to take up interdisciplinary projects of social importance. The speaker also had a detailed discussion with the faculty about possible future collaboration and academic opportunities for students abroad. Prof. E. Muthuswamy (Head, SME) and Prof. Ankush Anand (Professor, SME) were present during the lecture. Event was attended by faculty, scholars and students of School of Mechanical Engineering. The event was coordinated by joint efforts of Dr. Sanjay Mohan (Asst. Prof., SME), Dr. Mir Irfan Ul Haq (Asst. Prof., SME) and Dr. Ankush Raina (Asst. Prof., SME). Dr. Subham Badhyal also interacted with Dr. Yugal Khajuria (Dean International and Alumni Affairs,

Faculty/Staff Updates

Talk Delivered

SMVDU Faculty delivered Keynote at World Intellectual Property Right Conclave 2023

Dr. Baijnath Kaushik, Associate Professor and Head, School of Computer Science and Engineering at SMVDU, and Principal Investigator of Research Project RP-126, delivered the keynote lecture at the World Intellectual Property Right Conclave 2023 in New Delhi. He spoke on the topic titled "System and Methods for Brain Tumour Segmentation." The attendees acquired significant knowledge concerning various segmentation methodologies and their application in the context of brain tumours. The presentation received applause from other delegates who participated from across the world.



Paper Presented

SMVDU Faculty Members presented papers at the University of Kashmir

Dr. Satish K. Tiwari, Assistant Professor, School of Philosophy & Culture, Mr. Keshav K. Pandey, Guest faculty, Vaidik Studies, and Mr. Krishna K. Pandey, Guest faculty, Vaidik Studies presented papers in a Three-Day National Seminar on "Relevance of the Vedas in the Modern Context", dated 6th to 8th November 2023, organized by Department of Sanskrit, University of Kashmir, Srinagar, in collaboration with Maharshi Sandipani Rashtriya Vedavidya Pratishthan, Ujjain (MP). Dr. Satish K. Tiwari deliberated

on the topic 'Philosophical Analysis of Vaidik Concept of Rashtravad'. He emphasized the difference between the concept of 'Nation' and 'Rashtra'. The concept of Nation developed in the context of the strug-

gle between church and state. The state uses the concept of Nation to connect the people in favor of it. So, the concept of Nation is supported and created by the State, and the concept of Rashtra is developed by the will of common consciousness. Vaidik literature presents a journey from 'Sva' (self) to 'Sarva' (all). Rashtra is the aim in the form of a global family (Vasudhev Kutumbkam): "ayam nijaḥ paro veti gaṇanā laghucetasām Iudāracaritānām tu vasudhaiva kuṭumba-



kam II". Mr. Krishna K. Pandey talked about वेदेषुजन्तुविज्ञानं(zoology in

Vaidik Literature). He discussed zoological content in Vaidik Literature. In Vaidik Literature, there are references to zoological concepts and observations. The Rigveda mentions various animals and their significance. Animals were often associated with deities and their characteristics were sometimes used as metaphors.Mr. Keshav K. Pandey presented on वेदेषुवनस्पतिविज्ञानं(botany in Vaidik Literature). He explored the references to plants and botanical concepts that reflect the significance of flora in ancient Indian cultures. Plants are important in rituals, medicinal practices, and daily life. They are considered sacred and used in religious ceremonies and sacrifices. The Head, School of Philosophy & Culture applauded the efforts of faculty members of the department.

Student Updates

SMVDU Students visited the India Mobile Congress (IMC) in New Delhi



A group of 14 students from the School of Electronics and Communications Engineering, Shri Mata Vaishno Devi University attended the India Mobile Congress (IMC), Asia's largest digital technology event, which was held from October 27 to 29, 2023 at Pragati Maidan, New Delhi, India. The students were accompanied by faculty member, Dr. Satish Kumar Tiwari and Staff member, Ms. Preeti Sambyal. The students had the opportunity to experience the latest technologies in mobile, 5G, the Internet of Things (IoT), Satellite Internet, Smart Agriculture, XR, and other emerging fields. They also attended

keynote addresses by global leaders including, Prime Minister Narendra Modi who quoted "The Future is Here and Now", Minister of Electronics and Information Technology Ashwini Vaishnav, panel discussions and workshops on a wide range of topics, and exhibitions and demonstrations from over 400 companies and institutions like Airtel, Reliance Jio, Dell, Intel, and organizations like ISRO, DTU, IITs, including personalities such as Akash Ambani, Chairman, Reliance Jio Infocomm Ltd, Chairman of Bharti Enterprises and founder of Bharti Airtel Sunil Bharati Mittal, etc. The students' experience at IMC 2023 was truly inspiring. They were amazed by the latest technologies on display and the potential of these technologies to change the world. They were also motivated by the success stories of entrepreneurs and innovators who are using technology to solve real-world problems. They were introduced to Jio's initiative in satellite internet, ISRO's human Space flight Program Gaganayan, One Web's Satellite Constellation, and many more. The students returned to SMVDU with a renewed sense of purpose and a deep understanding of the digital technology industry. They are now eager to apply their skills and knowledge to make a positive impact on the world. The students also had the opportunity to build the network with potential employers and investors at the event. They were particularly interested in learning about the latest trends in the digital technology industry and how they can apply their skills to solve real-world problems. The students' participation in IMC 2023 was made possible by the inputs of the Vice Chancellor, Prof. (Dr.) Pragati Kumar, Registrar, Sh. Nagendra Singh Jamwal, Dean of Students Welfare, Dr. R. K. Mishra, Dean of Faculty of Engineering, Dr. K. R. Jha. The visit was organized under the supervision of Head SoECE, Dr. Anil Bharadwaj, Assistant Professor, Dr. Purnima Hazra, and various faculty and staff members. The students were also grateful to the student coordinators, Sonu and Yashwant, for their help in organizing the trip.

Vigilance Awareness Week observed at SMVD University, Katra



The Vigilance Awareness Week was observed at Shri Mata Vaishno Devi University from 30.10.2023 to

05.11.2023 as per the mandate of the Central Vigilance Commission, Government of India throughout the country, themed, "Say no to corruption; commit to the Nation, भ्रष्टाचार का विरोध करें; राष्ट्र के प्रति समर्पित रहें" commemorating the birthday of Sardar Vallabhbhai Patel. The NSS unit of Shri Mata Vaishno Devi University, conducted different activities to celebrate Vigilance Awareness Week. The Run for Unity was organized for students, faculty, and staff members in collaboration with the Board for Sports Activities. The run was flagged off by the Vice Chancellor of SMVD University, Prof. (Dr.) Pragati Kumar. A session on vigilance awareness was also conducted for students. The various activities conducted during the session included screening of videos related to corruption in daily life, slogan writing, sharing of views on corruption by students, faculty, and staff members, etc. To spread awareness about complaints under PIDPI (Public Interest Disclosure and Protection of Informers) posters were displayed at various offices of the university. Online "Integrity Pledge" was also taken by university employees during the week available at CVC's website. An Offline Integrity pledge ceremony was also conducted for employees of the university.



NSS SMVDU organized Old Clothes Collection and Distribution Drives



NSS unit of SMVDU, KATRA organised old clothes collection and distribution drives in university campus. Every year university volunteers collect old clothes, toys and books from staff members and distribute it to underprivileged community including class four employees and construction workers in the campus. The drives were organizing to inculcate the values like sharing among volunteers. The clothes were first segregated according to their size and then people were allowed to choose the clothes as per their requirement. Many male and female workers along with their small children benefited from the donation drive. The event was successfully conducted by the NSS volunteers. NSS Programme Coordinator, Dr. Rajiv Kumar and co-coordinator, Dr. Kamaldeep appreciated the efforts of volunteers. Vice Chancellor Prof. Pragati Kumar congratulated team NSS for organizing the drive.

NSS SMVDU organized Khadi Mahotsav

The NSS unit of SMVDU, Katra organized an awareness program in collaboration with the Khadi and Vil-

lage Industries Commission (KVIC) under the aegis of Khadi Mahotsav. KVIC functions under the Ministry of Micro, Small & Medium Enterprises, Govt. of India. The goal of the awareness session was to make students aware of the "Atmanirbhar Bharat" and "Vocal for Local" ideologies. Assistant Director, KVIC, Shri Veer Bhan conducted the session and highlighted the efforts of Govt. to promote Khadi and local artisans in the area. A pledge ceremony was also organized to promote Khadi. Students also took selfies at the selfie point during the event. NSS Coordinator, Dr. Rajiv Kumar



and Co-coordinator Dr. Kamaldeep appreciated the efforts of NSS volunteers. Vice Chancellor, Prof. Pragti Kumar congratulated the NSS team for successfully organizing the event.

NSS SMVDU organized Webinar on Prevention of Child Sexual Abuse

National Service Scheme (NSS) unit of SMVDU organized a webinar on prevention of child sexual abuse

in collaboration with SAKSHI NGO. The webinar was conducted by Ms. Saniya Mahajan, Assistant Manager, Rakshin Project (TRP) of Delhi based SAKSHI NGO. The NGO has been working on Gender Equality in India since 1992 and its main objective is to spread awareness regarding the POCSO Act (Protection of Children from Sexual Offences Act 2012) among youth. The speaker sensitizes participants about the topic and the role of proper lan-



guage in dealing these type of cases. She also shared valuable insights on POCSO Act and strategies to prevent child sexual abuse. NSS coordinator, Dr. Rajiv Kumar and co-coordinator, Dr. Kamaldeep also attended the webinar and thanked officials of SAKSHI NGO for organizing the event for NSS volunteers.

SMVDU Researcher selected for Postdoctoral Fellowship at the University of Texas at Austin

Dr. Meenu Sharma, a Former researcher at the School of Biotechnology, Shri Mata Vaishno Devi University, has been selected for the Postdoctoral Research Fellowship at the University of Texas at Austin, USA. She has joined the institution and will be working on Chromosomal rearrangement and genome

stability regulation. Dr. Meenu Sharma is the first doctoral student of the Genome Stability Regulation Lab at the School of Biotechnology, SMVDU headed by Dr. Narendra Kumar Bairwa. It is pertinent to mention that Dr. Meenu Sharma was awarded the FEMS Meeting Grant for Early Young Scientists in 2018 to present her work at the FEMS meeting on "The Non-conventional Yeasts: from Basic Research to Application in Rzeszów, Poland held between May 15-18, 2018. Dr. Meenu Sharma published her research work in reputed journals and has worked under the supervision of Dr. Narendra Bairwa on the role of the



RLM1 transcription factor and F-box protein-encoding SAF1 gene in the regulation of phase transition in Saccharomyces cerevisiae model organism, due to stress. The laboratory of Dr. Narendra Kumar Bairwa is supported by DBT, SERB-DST, and SMVDU and the focus of research is to understand the genegene interactions, genome stability regulation, stress response, and screening of small molecules for drug discovery. The Honorable Vice-Chancellor, Prof. Pragati Kumar, Head, SoBT, Dr. Ratna Chandra, and the Faculty, Staff, and Students of SoBT, SMVDU congratulated Dr. Meenu Sharma and wished her a bright research career ahead.

NSS SMVDU Volunteers painted Govt. Primary School in Kotla village

NSS SMVDU Katra volunteers organized a wall painting event in Govt. Primary School situated in Kotla village. Creative paintings were drawn on the walls of the school. English and Hindi alphabets in creative

way were also drawn on the front gate of the school. The main motive behind the initiative was to make school students feel proud while showing their school to anyone. Volunteers sincerely worked for around three hours and showcased their creativity during the event. NSS volunteer, Sadhvi Sharma led the whole event along with other volunteers. NSS Programme Coordinator, Dr. Rajiv Kumar was also present during the whole event in the school. School authorities ap-



preciated the efforts of SMVDU volunteers in decorating the school with their creative skills. Vice Chancellor, Prof. Pragati Kumar also appreciated the initiative of NSS volunteers.

SMVDU Students visited IIT Jammu to attend the "Workshop on Smith Chart"

Shri Mata Vaishno Devi University in a collaborative effort with IIT Jammu and IEEE Society recently conducted an insightful workshop on the Smith Chart, drawing active participation from students, including those from Shri Mata Vaishno Devi University (SMVDU). Speakers Mehran Suhail and Mr. Aniket

shared valuable insights, enriching attendees, particularly SMVDU students, with practical knowledge essential for their academic and professional pursuits. A special mention is owed to the unwavering support provided by Shri Mata Vaishno Devi University. Their assistance played a pivotal role in ensuring the seamless execution of the workshop, highlighting the collaborative spirit that enhances the academic landscape. Appreciation is extended to



Dr. Anil Bhardwaj, Head of the School of ECE, for his leadership and dedication to educational enrichment. Prof. Pragati Kumar, Vice-Chancellor of SMVDU, deserves gratitude for his instrumental support, reflecting a shared commitment to academic excellence. Acknowledgment is also extended to the Registrar of SMVDU for their integral role in facilitating the smooth coordination necessary for the success of such academic endeavors. Special thanks are offered to Mr. Gaurav Kumar LA IoT lab who is the coordinator of the trip, for his efficient organization and coordination, ensuring a seamless and enriching experience for the participants. This collaborative initiative underscores the importance of knowledge exchange and academic engagement, fostering a culture of continuous learning.

Sandeep Kumar Tiwari declared Qualified for the Award of Ph. D Degree

Mr. Sandeep Kumar Tiwari, a researcher from the School of Economics at Shri Mata Vaishno Devi University, has successfully completed his Doctor of Philosophy (Ph. D.) in Economics under the guidance of Dr. Pabitra Kumar Jena and Dr. Kirtti Ranjan Paltasingh. He conducted empirical analysis on

"An Assessment of Elementary Education Efficiency in Uttar Pradesh" and has published research papers in high-impact factor international journals ranked in the SSCI, SCOPUS, and ABDC. Mr. Tiwari has also had the privilege of presenting his research findings at numerous national and international conferences. Currently, he is contributing his expertise as a Consultant (Economics, at the Giri Institute of Development Studies (GIDS), Lucknow, Uttar Pra-



desh. The accomplished scholar extends his heartfelt gratitude to the School of Economics at SMVD University and the Indian Council of Social Science Research (ICSSR), New Delhi, for providing essential resources and unwavering support throughout his research journey. Prof. (Dr.) Pragati Kumar, Vice-Chancellor, SMVDU; Dr. Ashutosh Vashishth, Dean, Faculty of Management; Dr. Roop Lal, Head, School of Economics, and other committee members congratulated the scholar and wished him a bright future.



