

**UPCOMING EVENTS**

- **Celebration of World Wetland day 2023 at Surinsar Lake on 2nd February 2023** organized by the School of Biotechnology.
- **Three-day Training Program on the Topic 'Disaster Management' from 22nd -24th February.**
- **Business Plan Competition on 28th February.**

PATRON

Prof. R. K. Sinha
Hon'ble Vice-Chancellor

EDITOR

Dr. Amitabh V. Dwivedi

DESIGN & DRAFT

Mr. Girdhari Lal Sharma

PHOTOGRAPHY

Mr. Om Parkash

Campus Jottings**SMVDU Hosted an International Conference on Emerging Trends in Biosciences and Chemical Technology**

A three-day international conference on "Emerging Trends in Biosciences and Chemical Technology-2022" was hosted by School of Biotechnology, Shri Mata Vaishno Devi University in collaboration with CSIR-IIIM, Jammu and BRSI from 3rd to 5th December, 2022. The chief guest of the international conference was Dr. Jitendra Singh, Union Minister of State (Independent Charge) for the Ministry of Science and Technology. Prof. Manoj Kumar Dhar, a distinguished scientist and former Vice Chancellor of the University of Jammu, was the guest of honour. This conference provided a forum for the exchange of ideas, the generation of new concepts, and the discussion of contemporary concerns in the biological and chemical sciences. The conference was attended by eminent scientists, professors and scholars from academia and industry to discuss the future trends in biosciences and chemical technology with the purpose of undertaking the challenges in the field. The conference consisted of thirteen sessions of varied plenary speeches and guest lectures by famous scientists from Argentina, Brazil, Greece, Malaysia, Mexico, Singapore, South Korea, Thailand, the United States, the United Kingdom, and Vietnam, as well as eminent scientists from the host country. Additionally, it included abstracts from nearly 300 participants from across the country and abroad. A book titled "Practical Biochemistry", authored by Dr. Indu Bhushan was also released by the honorable Minister, Dr. Jitendra Singh, during the event. The event culminated with a valedictory ceremony and Vice Chancellor of SMVDU, Prof. R.K. Sinha was the chief guest and Sh. Neeraj Gupta (JKAS) Finance officer, SMVDU was the guest of honor including NS Jamwal, Registrar, SMVDU. The convener of the conference, Dr. Indu Bhushan, presented the opening address, followed by the address by Dr. Asha Chaubey (Convener), Principal Scientist, CSIR-IIIM, Jammu. The conference's co-convener, Dr. Shafaq Rasool, delivered the Technical Report of the conference. Prof. R.K. Sinha, the chief guest, addressed the audience, felicitated the Plenary and Invited speakers, and presented the participants with awards for the best paper presentation. The occasion was concluded by Dr. Ratna Chandra, Head of the School of Biotechnology, delivering the vote of thanks. Dr. Indu Bhushan, Faculty, School of Biotechnology, SMVDU, the convener of the conference ensured that the event to be inclusive and a big success.

Two-day Workshop Organized by SMVD University



The School of Computer Science and Engineering, SMVD University, inaugurated a two-day workshop on "Hybrid Learning Integrating Teaching Data Analytics and Business Intelligence", sponsored by the Directorate of Quality Assurance, SMVDU, in which VC, SMVDU, Prof R.K. Sinha, graced the occasion and wished that the workshop would be a great learning platform. Previously, the Convener of the conference, Dr. Ajay Kaul, welcomed the special guest speaker and the participants, and emphasized the importance of data analytics and business intelligence in today's world. The Chief Guest, Prof. Anu A. Gokhale, Professor and Chair, Department of Computer Information system, Saint Augustine's University, US, apprised participants about the various techniques related to data analytics and business intelligence and their scope in different domains and research. Dr. Baijnath Kaushik, Head, School of Computer Science and Engineering, SMVDU, motivated participants to learn analytical tools and business intelligence tools and benefits of this hands-on workshop. Dr. Pooja Sharma, co-convener presented a formal vote of thanks to all.

Entrepreneurship Development Program Inaugurated at SMVDU



Entrepreneurship Development Program sponsored by the Higher Education Department J&K inaugurated at Shri Mata Vaishno Devi University from 20-30 December, 2022, designed for college students and received active participation from various colleges across J&K. Shri Sumanta S. Sharma, Convener of the Program, welcomed all guests and participants. Shri Nagendra Singh Jamwal, Registrar, SMVDU, highlighted the university's achievements in various fields. Ms. Pooja Gupta, Entrepreneur, Nimbark Organics, Guest of Honour, encouraged students to pursue their dreams and to become entrepreneurs to help the employment generation. The program was inaugurated by Prof. (Dr.) Ravindra Kumar Sinha, Vice Chancellor, SMVDU, who in his inaugural address, motivated the students to become job creators rather than job seekers and advised them to apply the knowledge to pursue their interests. Dr. Supran Kr. Sharma, Dean, Faculty of Management and the Program Coordinator emphasized that the program had been conceived with the idea to make young generation more familiar with what was happening and developing around them; understand their strengths; to go beyond their conventional thinking; nurture

the culture of experimentation to redouble the innovation efforts. Dr. Sunanda Gupta, co-convenor of the event, delivered the formal vote of thanks to the dignitaries and participants. Around 100 students from different colleges of Jammu, including GGM Science College, PSPS GCW Gandhi Nagar, Govt. MAM College, GDC Kunjwani, GCW Udhampur, Govt. SPMR College of Commerce, GDC Neeli Nallah, GDC (Boys) Udhampur, GCW Parade and GDC Sidhra, participated in this prestigious program, spanning over ten days filled with brainstorming and interactive sessions on the topics including 'Entrepreneurship-A Practical Way', 'Entrepreneurship- Myths & Practicalities', 'Artificial Intelligence, Big Data Analysis & Business Opportunities', 'Business Model Canvas', 'Frugal Innovations & Social Entrepreneurship' etc.



Students Skill Development Workshop on Industrial Automation Began at SMVDU



Skill Development based a five-day hands on workshop on industrial automation started at SMVDU by the Automation & Emerging Technologies Club (AET Club SMVDU) to impart skills to students in the emerging technologies. Mr. Himanshu Kumar, Director, Indwell Automation collaborated with AET Club for technical sessions and imparted hands-on training to the students. Chief Guest, Mr. Taranvir Singh, Managing Director, T.V. Super Filters Industries, Jammu, inaugurated the workshop and motivated the students. Mr. Singh urged students to work for Jammu and represent this state at a national level for there is a huge potential market base in Jammu. Prof. M. Eswharamurty, Head, School of Mechanical Engineering, SMVDU, congratulated AET Club for organizing the workshop and stressed upon skill development to meet the Industry 4.0 requirement. Dr. Balbir Singh, Faculty Advisor, highlighted the activities of AET Club and its objectives for the students in the emerging technologies. Mr. Mir Irfan Ul- Haq, Faculty Advisor; Mr. B.K. Bhatia, Training & Placement Officer and Dr. Amit Sinha motivated students for skill up-gradation and practical exposure. Mr. Yatheshth Anand, Faculty Advisor, congratulated the AET club for this initiative. Mr. Agam Balotra, Club President and Mr. Ankit Pattnaik, Club Vice President contributed to make this workshop a success. Mr. Hriday Vasudeva, student coordinator, delivered the vote of thanks.

Celebration and Day Observed

SMVDU Celebrates Dogri Manyata Divas

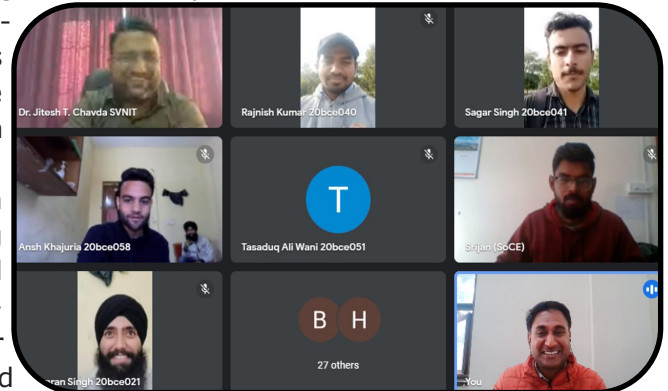


Shri Mata Vaishno Devi University (SMVDU) celebrated the 19th anniversary of inclusion of Dogri Language in the 8th Schedule as 'Dogri Manyata Diwas'. The programme started by lighting the traditional lamp. Prof. Vishav Murti Shastri, noted Sanskrit scholar and Padamshree awardee while speaking on the occasion exhorted the people of Jammu region to put in all efforts to promote Dogri language, art and culture and preserve the Dogra heritage. "Dogri represents our linguistic identity and we need to make it a part of curriculum from school to university level" he said. Prof. Shiv Nirmohi noted scholar of Dogri culture and Padamshree awardee hailed the contribution of Dogri poets and writers for the recognition of the Dogri language. He emphasized the need for promoting Dogri language and literature among young generation through institutions of learning. Prof. R K Sinha, Vice Chancellor, SMVDU, and Padamshree awardee while speaking on the occasion stressed the need for communicating in our mother tongue. "Unless and until we don't respect our languages we won't be able to respect our culture and civilisation and nation" he said. The Padamshree awardees and the intellectuals demanded in unison the establishment of an independent academy for Dogri language. Dr. Anil Kumar Tiwari, School of Philosophy and Culture, SMVDU delivered the welcome address. He stressed on the importance of the Dogri language, and how youngsters are getting interested in the Dogri popular literature through social media. The speakers emphasized the necessity of preserving Dogri language and urged Dogri lovers to devote themselves in developing, promoting and popularizing the language by writing and producing quality literature and content in mother language. During the event the students were honoured for their contribution to languages. A colourful cultural programme was organized at University Matrika Auditorium. The programme included rendition of Dogri folk songs and recitation of poetry. The event was attended by Nagendra Singh Jamwal Registrar, Neeraj Gupta Finance Officer, faculty, staff, scholars and students. On the occasion a documentary titled "Musicians of Mountains" showcasing the folk music, culture and traditions of Duggar region was released by the dignitaries followed by its display in the Matrika Auditorium.

External Experts

SMVDU Organises a Talk on “Well Foundation: An Overview”

School of Civil Engineering (SoCE), SMVD University organized an expert talk on “Well Foundation: An Overview” by Dr. Jitesh Chavda, Faculty, SVNIT Surat. The talk was delivered to B. Tech. 3rd year students of SoCE. This lecture was an extension activity for the course 'Advanced Foundation Engineering' which is a part of the curriculum of B.Tech. (Civil Engineering). Dr. Chavda shared the basic overview of the well foundation with examples from important Indian structures having a foundation as foundation system. He also discussed the construction sequence, related specifications and challenges faced during its construction. The speaker also highlighted limitations of the previous studies and scope for the future research. Further, the talk also emphasized the interesting outcomes of the recent experimental and numerical studies to overcome few of the limitations. The expert also addressed the questions raised by the attendees and research opportunities in this area. The talk was organised by Dr. Balbir Pandey, Faculty, SoCE and coordinated by Mr. Srijan, Faculty, SoCE under the guidance of Head, School of Civil Engineering.



Faculty/Staff Updates

Talk Delivered

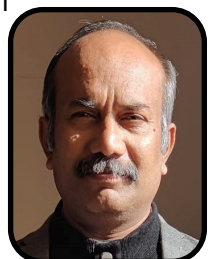
SMVDU Faculty Delivers an Expert Lecture on Critical Thinking

Mr. Sumanta Sarathi Sharma, Head, School of Philosophy & Culture from Shri Mata Vaishno Devi University (SMVDU) Katra, delivered an expert lecture on “Critical Thinking and Correct Reasoning” for a workshop on ‘Logic and Language’ at the Bhopal School of Social Sciences (BSSS). The invited lecture was conducted in hybrid mode where participants could choose to join online as well as in physical mode. In his talk, Mr. Sharma outlined the meaning of thinking critically, discussing the benefits of developing, asking questions, and seeking their answers. Various approaches were discussed, like the sponge and the panning for gold. The sponge approach emphasizes knowledge acquisition; the panning for gold method stresses active interaction with knowledge as it is being acquired, which makes the two methods complement each other. The talk concluded with a question-and-answer session followed by a vote of thanks to the speaker.



Dr. Bharat Bhushan Jindal Chairs Sessions at International Conference Organized by NIT Calicut

Dr. Bharat Bhushan Jindal, Faculty, School of Civil Engineering, Shri Mata Vaishno Devi University, chaired two sessions at the "2nd International Conference on Construction Materials and Structures (ICCMS-2022)" held on 13-20 December 2022, via virtual mode. The conference was organised by the National Institute of Technology (NIT), Calicut, India, in association with Virginia Tech, University of Bath, Monash University Malaysia, UNSW Sydney, Purdue University, and BITS Pilani. The conference aimed to provide a platform for academicians, industry experts, and research scholars to showcase their research innovations and the latest developments in the field of construction materials and Civil Engineering structures globally. Faculty members, research scholars, and students across the globe shared their knowledge at the conference.



Paper Presented/Publication

Prof. Muthusamy of SMVDU Presented a Paper at ICOFT MADE 2022 Conference at NIT Pondicherry

Prof. Eswaramoorthy Muthusamy, Faculty, Shri Mata Vaishno Devi University, presented a paper at 3rd International Conference on Futuristic Technologies on Manufacturing, Design, Automation and Energy (ICOFT MADE 2022) at National Institute of Technology Puducherry Karaikal from 14-16 December 2022. Also, the faculty member along with this student, Amit Kumar Bhagat, authored a technical paper titled "An Experimental Study on Flexible Phase Change Material for Compact Electronic Device Applications", presented by Dr Muthusamy in which he emphasized the utilization of flexible phase change materials for better thermal control to avoid overheating the LED amp and enhance the life. Several plenary speakers from external top QIS ranking institutes from USA, UK and Sweden were delivered on the advanced ongoing research topics. Researchers from India, China, Thailand, South Korea, Taiwan, Japan, Australia, USA, presented their research work through online and offline mode. Prof. Gan Moorthy, Emeritus Professor IIT Madras (Former Director IIITDM Kanchipuram) presented the valedictory address. Dr. Muthusamy also chaired sessions on "Automation and Energy" stream.



Student Updates

NSS SMVDU Organizes Donation Drive for Needy

NSS Unit of SMVDU organised a donation drive of old clothes and toys on campus. Old clothes and toys were collected from the employees and students of the university and distributed to the workers and small children of construction workers in the campus. The clothes were first segregated according to their size and then the needy people were allowed to choose as per their need. Many male and female workers along with their small children benefited from this donation drive. The event was conducted by the NSS volunteers under the guidance of Dr. Rajiv Kumar, NSS Programme Coordinator of University. Vice Chancellor, SMVDU, Prof. R.K. Sinha appreciated the efforts of the NSS team.



SMVDU Students Visit Microsoft Office, Gurugram

Microsoft, Gurugram hosted a technical session for students of Engineering of Shri Mata Vaishno Devi University. The event was conducted by Sarthak Jain, Head of Community Rekill, and Microsoft Employees which provided sixty students with an opportunity to explore the latest technologies and get hands-on experience. Microsoft employees provided students an in-depth understanding of the industry, the latest trends and best practices. The students were also visited Microsoft Office and interacted with the employees. The students gained industry knowledge and explored the possibilities of internships and job opportunities. They were also provided with the \$100 Credits of Microsoft Azure and Goodies each. The trip was organized by Dr. Manish Sabraj (Head, SoECE), coordinated by Mr. Sanjay Kumar Sharma (Assistant Professor, SoCSE). Also, student coordinators: Jatin Sharma, Sudeep Kumar, Aman Raj, Aman Kumar, Ritik Sharma, Nischay, and Rithik Kasera helped to make this event a success. This trip would help students learn beyond the boundaries of books.



SMVDU organizes Poster Making Competition on sexual harassment at workplace

National Service Scheme, (NSS) and Internal Complaint Committee (ICC) SMVDU organised a poster making competition on sexual harassment of women at workplace (Prevention, Prohibition and Redressal, Act, 2013) with an aim spread awareness among women and to stop discrimination against women. The theme of the poster making competition was "No means No", in which event 40 students participated, and through their posters have shown what is it like to face harassment at work place. The event was conducted by the NSS volunteers. Dr. Sharada M. Potukuchi, Presiding Officer, Internal Complaint Committee and Dr. Rajiv Kumar, NSS Programme Coordinator appreciated the efforts of the NSS Team, and emphasized on the need of such programmes.



SMVDU Conducted Students Model Exhibition on Transportation Engineering

Students of III-IV year of School of Civil Engineering, Shri Mata Vaishno Devi University, showcased their models making talent through an exhibition as part of the curriculum, called 'Transportation Engineering (Highways, Railways and Airways)' and 'High-Speed Railway Engineering'. The aim of this exhibition was to make students familiar, understand and enjoy learning subjects easily as they put effort and make models with their own hands. The students gave presentations during the exhibitions, and became familiar with public speaking and developed self-confidence. The exhibition was conducted under the guidance of Dr. V.K. Dogra (Head, SoCE) and there were a total of eighty-four students with thirty model works and coordinated by Mr. Ponnurangam P (Assistant Professor, SoCE). The Head, SoCE, also distributed the participation certificate to all students. The model exhibition was a roaring success and allowed students to learn beyond the boundaries of books.



SMVDU Forms Human Chain during Women Pakhwada



National Service Scheme, (NSS) and Internal Complaint Committee (ICC) SMVDU organised a human chain formation event to make aware students about discrimination against women at workplace. The event was organized during the "Discrimination against Women Pakhwada". The event started with the briefing on the topic by NSS Programme Coordinator Dr. Rajiv Kumar. The participants formed a human chain in the shape of "NO" to give a message to stop such discriminations against women and say NO to such instances in every organization. NSS volunteers, Ayush Arya and Muneeb also shared their views on the occasion. The event was successfully conducted by the NSS volunteers. Dr. Sharada M. Potukuchi, Presiding Officer, Internal Complaint Committee appreciated the efforts of the volunteers.

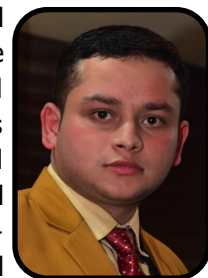
SMVDU Researcher Declares Qualified for the Award of PhD

Atin Kumar Pathak, Researcher, School of Energy Management, Shri Mata Vaishno Devi University (SMVDU) has been declared qualified for the award of Doctor of Philosophy (Ph. D) in Energy Management. The candidate worked on the topic, titled "Solar Energy Utilization for Wastewater Treatment and its Applications" under the supervisions of Dr. Vineet V. Tyagi, Head, School of Energy Management, SMVDU, and Dr. Sanjeev Anand, Associate Dean R&D, and Faculty, School of Energy Management, SMVDU. The candidate has published scientific research papers in SCI & Scopus-Indexed journals and published book chapters with international and national publishers. Atin Kumar Pathak is an awardee of the national DST-INSPIRE Fellowship (JRF and SRF), granted by the Ministry of Science and Technology, Department of Science and Technology (DST), Government of India (GoI), he thanked the DST-INSPIRE scheme program for granting the fellowship and providing financial support. Prof. (Dr.) R.K. Sinha, Vice-Chancellor, SMVDU; Dean, FoE, Prof. V. K. Bhatt, Dr. Ankush Anand, and other committee members congratulated the scholar and wished him a bright future ahead.



SMVDU Researcher Declares Qualified for the Award of PhD

Shubham Mahajan, Researcher, School of Electronics and Communication Engineering, Shri Mata Vaishno Devi University (SMVDU), has been declared qualified for the award of Doctor of Philosophy (PhD) in Electronics and Communication Engineering. The candidate has worked on the topic, titled "Reduced Complexity Feature Selection Method for Multi-Level Thresholding in Image Segmentation" under the supervision of Dr. Amit Kant Pandit, Associate Professor, School of Electronics and Communication Engineering, SMVDU. He has published research works in SCI and Scopus indexed journals and presented papers at various international and national conferences. He received the IEEE Region-10 Travel Grant Award-2019, 2nd Runner up Prize in IEEE RAS HACKATHON-2019 (Bangladesh) and IEEE Student Early Researcher Conference Fund (SERCf-2020), Emerging Scientist Award-2021, IEEE Signal Processing Society Professional Development Grant-2021. Prof. R.K Sinha, VC, SMVDU, Dr. Ajay Kaul, Dean Faculty of Engineering, Dr. Manish Sabraj, Head of Department, SoECE, and other members of the committee congratulated the candidate and wished him a bright future ahead.



SMVDU Researcher Bags Best Paper Award at ICOFT MADE 2022 Conference, NIT Pondicherry

Mr Ravi Kumar Goyal, PhD Scholar, School of Mechanical Engineering, SMVDU, has presented a paper at 3rd International Conference on Furustic Technologies on Manufacturing, Design, Automation and Energy (ICOFT MADE 2022) at National Institute of Technology Puducherry Karaikal from 14-16 December 2022. Ravi Kumar Goyal received the best paper award in the stream "Automation and Energy". The research candidate and Eswaramoorthy Muthusamy authored a technical paper entitled "Social Environmental and Economic Assessment of Box Type Solar Cookers for Domestic Acceptance in India", and in a paper presented by Ravi Kumar Goyal, he emphasized the social, environmental and economic assessment of box type solar cooker for domestic acceptance in India. Researchers from India, China, Thailand, South Korea, Taiwan, Japan, Australia, USA, presented their research work through online and offline mode.



ALUMNI CORNER

SMVDU Alumnus Bags Best Oral Presentation at Intl Conference

Dr. Vidushi Abrol, CSIR-Research Associate (RA) and alumnus of School of Biotechnology, was awarded for the best oral presentation for the paper, titled "DES-based Mutagenesis, Chemical profiling, and De-replication of natural products isolated from *Penicilliumoxalicum*" in the international conference on "Emerging Trends in Biosciences and Chemical Technology-2022" held at Shri Mata Vaishno Devi University (SMVDU) in collaboration with CSIR-Indian Institute of Integrative Medicines on 3rd-5th Dec, 2022. The paper is an excerpt from her doctoral thesis, titled "Studies on Secondary Metabolites Production in Important Fungi by Chemical Mutagenesis", guided by Dr. Sundeep Jaglan, CSIR-IIIM Jammu and Dr. Sharada. M. Potukuchi, SMVD University. Recently, on CSIR-IIIM 82 Foundation Day Celebration i.e. 1 Dec., 2022, she receive 3rd best research paper in area of Fermentation and Microbial Biotechnology by Prof S P Gautam, (former-Chairman, Central Pollution Control Board, New Delhi, India).The findings of her oral presentation are having a major application as a new array of molecules and the enhanced yield of important metabolites for drug industries and societal benefits. The research has been appreciated by delegates, and Prof. RK Sinha, VC SMVDU; Dr. Asha Chaubey, Principal Scientist, Head Fermentation & Microbial Biotechnology Division; Head, SoBT Dr. Ratna Chandra, SMVDU.

