

**UPCOMING EVENTS**

- **International Conference on Emerging Trends in Bio-science and Chemical Technology - 2022 from 3rd – 5th Dec, 2022.**
- **Business Plan Competition, sponsored by Higher Education Department, Jammu & Kashmir on 1st Dec, 2022.**

PATRON**Prof. R. K. Sinha**

Hon'ble Vice Chancellor

EDITOR**Dr. Amitabh V. Dwivedi**

Chairperson, Media Cell

DESIGN & DRAFT**Mr. Girdhari Lal Sharma**

Office Assistant, Media Cell

PHOTOGRAPHY**Mr. Om Parkash**

Campus Jottings

Prof. R.K. Sinha, VC, SMVDU Gets Elite Academician Award

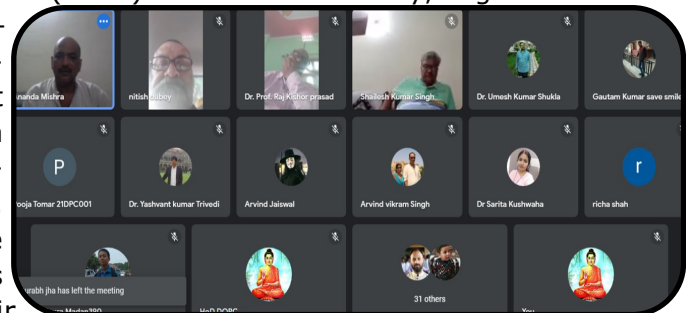
Prof. Ravindra Kumar Sinha, Vice Chancellor, Shri Mata Vaishno Devi University (SMVDU), Katra, has been awarded 'Elite Academician Award' by Institution of Electrical and Electronic Engineers (IEEE) of United States of America, for his outstanding contribution to the academics. Prof. Akshay Kumar Rathore of Concordia University, Montreal, Canada, who is serving as IEEE Industry Applications Society



(IAS) Awards Department Chair, conferred the award to Prof. Sinha at India Habitat Centre, New Delhi. Notably, the IEEE, USA is the world's largest technical professional organisation dedicated to advancing technology for the benefits of humanity. There are over 4.09 lakh members in more than 160 countries. It sponsors more than 2000 conferences and events in 96 countries while contributing over 36 lakh total conference papers to IEEE Explore since 1936 with as many as 2 lakh new papers added annually. Members are engineers, scientists and allied professionals whose technical interests are routed in Electrical and Computer Sciences, Engineering and related disciplines.

8th ICPR Study Circle Meet Held at SMVD University

The School of Philosophy and Culture (SoPC) at SMVD University, organized the 8th ICPR Study Circle Meeting sponsored by the Indian Council of Philosophical Research, New Delhi. At the onset, Mr. Sumanta S. Sharma (Head, SoPC) welcomed the speaker and participants and Dr. Anil K. Tewari presented the keynote. The topic of the discussion was "Kashmir Shaiv Darshan" (Kashmir Shaivasim), delivered by Prof. Anand Mishra (Head Department of Philosophy and Religion, Varanasi Hindu University, Varanasi). Prof. Mishra is a recipient of the 'Bharati Mandan DarshanRatna' Award by the 'Vaidehi Kala Sangrhalaya' in 2022. Prof. Mishra threw light on the antiquity and rich history of Kashmir Shaivism. The present status of this philosophy was also discussed. The lecture concluded with a question-and-answer session. Dr. Madhu M. Chaturvedi presented the vote of thanks.



Duggar Manch Performs "GUMMAT MAIDAN 1808" at SMVDU

The Dogra history of valour and sacrifices was displayed by artists in a 75 minute-long Dogri play, written and directed by Dogri playwright, Mohan Singh Ji. Among the leading artists in addition to Mr. Mohan Singh, were: Mr. Janak Khajuria, Sh.Subash Jamwal, Jananb Shiekh Fayaz Ahmed, Dr. Sushma Rani and Dr. Sarita Khajuria. A total of 16 artists played their parts and mesmerised the audience. The Play exhibited the heroic bravery of Mian Dido, the revolutionary warrior of Jammu who fought many battles against the atrocities and denied any kind of agreement with the invaders. Ms. Abha Jamwal, a descendant of Mian Dido and Sarpanch of village Jagti, the birth place of Mian Dido, was the special guest of the occasion. The event was presided by Mr. Nagendra Singh Jamwal, Registrar, SMVDU, and hosted by Dr. Kamini Pathania, Vice President, Board of Cultural Activities, SMVDU. Registrar, SMVDU and Dr. Rakesh Thusoo, President, BCA, SMVDU, honoured the entire team of Duggar Manch and reiterated about the constant efforts of SMVD University to promote awareness about rich cultural and historical legacies. The BCA president thanked the University administration, NSS coordinator, BCA student Coordinators for their support in conducting the event and for their effort towards making the event successful. The play was anchored in Dogri by Dr. Kamni Pathania, Vice President, BCA, supported by Ms. Radhika Agrawal and Dr. Iti Dayal. In his final remarks, Mr. Mohan Singh thanked the University administration for starting the Dogri course at SMVDU and believed that it will create a benchmark for promotion of rich but neglected Dogra art and culture in the UT of Jammu and Kashmir.



9th ICPR Study Circle Meet Held at SMVD University

The School of Philosophy & Culture (SoPC) at SMVD University, Katra (J&K) organized the 9th ICPR Study Circle Meeting, sponsored by the Indian Council of Philosophical Research (ICPR), New Delhi. The topic of the lecture was "The Nature of Human Rights" which was delivered by Prof. Rakesh Chandra (Head Department of Philosophy & Dean of Academics, University of Lucknow, Lucknow). Prof. Chandra was the government nominee member of ICPR, New Delhi. As the chairperson of the Women Study Center, University of Lucknow, he facilitated an extensive awareness program for the safety and dignity of women. In his lecture, he presented a comprehensive picture of the situation of human rights in the world along with its historical understanding. Dr. Anil K. Tewari started this event with the welcome of the speaker and the participants coordinated the question-and-answer session. More than 80 participants joined the session from different parts of the country. Mr. Sumanta S. Sharma (Head, SoPC) thanked the speaker and the participants.



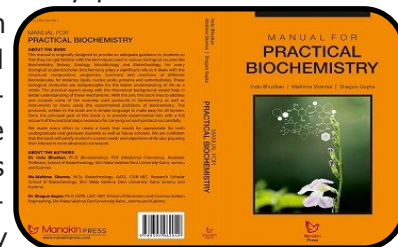
SMVDU Got an NSS Unit Sanctioned at SMVD College of Nursing

Regional Directorate, NSS Delhi (Ministry of Youth Affairs & Sports) has sanctioned a new government aided NSS unit at SMVD College of Nursing. This will be the second NSS unit of Shri Mata Vaishno Devi University (SMVDU). The university already has one NSS unit within campus which was converted to a government aided unit from a self financing unit (SFU). The NSS Programme Coordinator, SMVDU, Dr. Rajiv Kumar, handed over the sanction letter of the new NSS unit to Principal, Dr. Shailla Cannie, Nursing College, SMVDU. Ms. Hanna Hedleen will be the Programme Officer of the new unit at the Nursing College of University.



SMVDU Faculty Publishes "Manual for Practical Biochemistry"

Dr. Indu Bhushan, Assistant Professor, School of Biotechnology, SMVD University published a book entitled "Manual for Practical Biochemistry". This book provides an introduction to Biochemistry and gets readers familiar with techniques of biological courses, such as Biochemistry, Botany, Zoology, Microbiology and Biotechnology. The focus is to provide experimental lists with a full account of the practical steps necessary for carrying out each protocol. The text addresses routinely used protocols in Biochemistry as well as instruments and experimental problems of the field. The methods section contains detailed step by step descriptions of each protocol that should result in the successful execution of method.



School of Civil Engineering, SMVDU Organised "Adhara"



School of Civil Engineering (SoCE), Shri Mata Vaishno Devi University, organised a cultural event "Adhara" to highlight the importance of Civil Engineering in day-to-day life and to give a platform to the students to showcase their talent. The event was inaugurated by Head of Department, Dr. VK Dogra. He motivated the students through his talk. The event was also attended by the faculty members. The event included talks on the background and prospects of Civil Engineering, and cultural performances in the Matrika Auditorium, SMVDU. Final year students, Akshat Mahajan, Ashish Goswami, Jaiveer Singh Manhas, Paras Kundal, and Satyam Nanda coordinated the event under the guidance of Mr. Srijan (Assistant Professor, SoCE).

Sanasar Shankhpal Trek 2022 Organised by PDA & SMVDU



Patnitop Development Authority collaborated with Shri Mata Vaishno Devi University to organise one of the most sought-after trek to the historical Shankhpal Temple, held on with support from the Department of Tourism J&K, District Administration Ramban and Udhampur in which a group of 70 trekkers was flagged off by Thakur Sher Singh, Chief Executive Officer PDA. The trekkers snaked their way through lush green meadows, misty environs, and nomadic settlements to reach the highest point of Shankhpal ridge almost 9383 ft high, where the centuries old temple of the local deity is situated. For the students and faculty of SMVDU, hailing from Jammu and Kashmir, and states like Punjab, Haryana, Rajasthan, Uttar Pradesh, Madhya Pradesh, Delhi and Bihar, it was an opportunity to step away from their rigmarole studies, unplug from the routine and commune with the nature. "The University has endeavoured to expose the students to the rich and natural flora and fauna of Himalayas and develop a healthy, active and enriching lifestyle," said Nagendra Singh Jamwal, Registrar, SMVDU. "As a destination with plenty to offer, we have planned a series of events under 'Visit Patnitop' to spotlight unique destinations and activities, and to drive interest and traffic to this tourism circuit," said Thakur Sher Singh. "The Sanasar Shankhpal Trek passes through stunning trails and is a part of the world renowned trek from Pancheri - Sanasar - Patnitop - SudhMahadev - Mantalai. It provides awe-inspiring views of the Middle Himalayas on one side and the Greater Himalayas on the other side," he added. During the trek, trekkers from SMVDU and a team of PDA collected the waste from the route under the PDA initiative 'Carry the Trash Back'. While felicitating the participants, the CEO, PDA said that trekkers, adventure enthusiasts from all over the country and abroad can make use of the Youth Hostel and a variety of hotels as per ones budget to explore the beautiful landscape of Patnitop Tourism Circuit from Sanasar to Basantgarh.

Celebration and Day Observed

Teacher's Day Celebrated at SMVD University



Teacher's Day, the birth anniversary of Sarvepalli Dr. Radha Krishnan, was celebrated with great enthusiasm at Shri Mata Vaishno Devi University today. During the program, Dr. Kamni welcomed the audience, and highlighted the significance of Teachers' Day. Vice Chancellor, SMVDU, Prof. Ravindra Kumar Sinha, compared teachers as a beacon light, and said that they are nation builders and they play pivotal role in shaping life of students, adding that the relation between a teacher and a student is a sacred relation and we owe a lot to this sacred relationship. A cultural programme was also organized on the occasion. Registrar, SMVDU, Sh. Nagendra Singh Jamwal, JKAS, presented a sapling to the VC, SMVDU, during the program. Finance Officer Sh. Neeraj Gupta, JKAS, Deans, Directors and Heads of various schools were present on the occasion. Dr. Balbir Singh, Faculty, SMVDU, also deliberated on the role of the teachers in building the society and also presented the vote of thanks.

Hindi Pakhwada Begins at SMVDU

The Hindi Cell of Shri Mata Vaishno Devi University (SMVDU) celebrated Hindi Pakhwada from 14-28 September 2022. The event was inaugurated by Vice Chancellor, SMVDU, Prof. Ravindra Kumar Sinha in the Matrika Auditorium. Registrar, Shri Nagendra Singh Jamwal and the Deans of various Faculties, Heads of Departments, students, teachers and staff and their family members were present during this program. The program started with a Saraswati Vandana and a welcome address by Dr. Anil Tiwari (Nodal Officer, Hindi Cell). Registrar, Shri Nagendra Singh Jamwal, underlined the national importance of Hindi. He also thanked Amar Ujala for being a media partner of the event. The students of the university presented a cultural program in Hindi on this occasion. Presentations of music, singing, dance, dialogue, and poetry recitation were included in this. In his speech, Vice Chancellor, SMVDU, Prof. Sinha mentioned the debate on the acceptance of Hindi as the official language in the Constituent Assembly of India and said that after a lot of discussions, Hindi was accepted as the official language. He described the introduction of the MA Hindi program at SMVDU from the academic year 2022-23 as a welcome step. The student secretary of Hindi Cell, Pooja Kharra, (B. Tech. 3rd year) offered a vote of thanks.



National Engineer's Day 2022 Celebrated at SMVDU

The National Engineer's Day 2022 was celebrated by Faculty of Engineering at SMVD University, while paying tribute to Civil Engineer, Bharat Ratan, Sir Mokshagundam Visvesvaraya (1861-1962). Dr. Balbir Singh, Program Coordinator, welcomed dignitaries and participants and briefed them about the event. Chief Guest, VC, SMVDU, Prof. R. K. Sinha threw light on the importance of Engineers in our life in providing sustainable solutions. Guest of Honour, Dr. Shiva S., IIT Jammu, delivered a talk on various technologies, such as 3D printing, digital twins, IoT, etc. Further, Guest of Honour from Industry Mr. Karanveer Singh Gujral, MD, T.V. Super Filter Industries, Jammu talked about the importance of Engineers in progressive performance and various national awards earned by company. Students presented 'Smart Engineering for Better World' under the guidance of Dr. Ankush Raina, wherein 1st, 2nd and 3rd prize won by students Mr. Hriday Vasudeva (B. Tech. ME, SMVDU), Mr. Karanvir Singh (B. Tech. University of Buffalo, NY, USA), Mr. Prince Kumar shared with Mr. Saurabh Kumar (B. Tech. ECE) respectively. Other dignitaries from SMVDU including Dr. Ajay Kaul, Dean, Faculty of Engineering, Prof. E. Muthuswamy, Head, School of Mechanical Engineering, Dr. Manish Sabraj, Head, School of Electronics and Communication congratulated budding engineers and spoke on Engineer's Day. Dr. Balbir Singh informed about the new Professional Club from School of Mechanical on Automation and Emerging Technology (SMVDU AET Club) which was inaugurated by Chief Guest on the occasion. The vote of thanks was delivered by Program Secretary, Dr. Mir Irfan UIHaq, Assistant Professor from School of Mechanical Engineering, SMVDU.

The National Engineer's Day 2022 was celebrated by Faculty of Engineering at SMVD University, while paying tribute to Civil Engineer, Bharat Ratan, Sir Mokshagundam Visvesvaraya (1861-1962). Dr. Balbir Singh, Program Coordinator, welcomed dignitaries and participants and briefed them about the event. Chief Guest, VC, SMVDU, Prof. R. K. Sinha threw light on the importance of Engineers in our life in providing sustainable solutions. Guest of Honour, Dr. Shiva S., IIT Jammu, delivered a talk on various technologies, such as 3D printing, digital twins, IoT, etc. Further, Guest of Honour from Industry Mr. Karanveer Singh Gujral, MD, T.V. Super Filter Industries, Jammu talked about the importance of Engineers in progressive performance and various national awards earned by company. Students presented 'Smart Engineering for Better World' under the guidance of Dr. Ankush Raina, wherein 1st, 2nd and 3rd prize won by students Mr. Hriday Vasudeva (B. Tech. ME, SMVDU), Mr. Karanvir Singh (B. Tech. University of Buffalo, NY, USA), Mr. Prince Kumar shared with Mr. Saurabh Kumar (B. Tech. ECE) respectively. Other dignitaries from SMVDU including Dr. Ajay Kaul, Dean, Faculty of Engineering, Prof. E. Muthuswamy, Head, School of Mechanical Engineering, Dr. Manish Sabraj, Head, School of Electronics and Communication congratulated budding engineers and spoke on Engineer's Day. Dr. Balbir Singh informed about the new Professional Club from School of Mechanical on Automation and Emerging Technology (SMVDU AET Club) which was inaugurated by Chief Guest on the occasion. The vote of thanks was delivered by Program Secretary, Dr. Mir Irfan UIHaq, Assistant Professor from School of Mechanical Engineering, SMVDU.



External Expert

Prof. Roy of BHU Delivers Lecture Series at SMVDU



Prof. Jagat Kumar Roy, Department of Zoology, Banaras Hindu University, delivered a lecture series on 'Development biology of Drosophila' and 'Chromosome and their role in human diseases' on 29-30 August 2022. Faculty members, staff, scholars and students at School of Biotechnology and other departments attended the lectures. Prof. Roy also interacted with faculty and scholars of School of Biotechnology, and visited the different laboratories. He also met Prof. RK Sinha, VC, SMVDU, and discussed with him various aspects of institutional development. The event was coordinated by Dr. Rakesh Kumar and Dr. Preeti Sharma. Dr. Ratna Chandra, Head of the School, thanked Prof. Roy for visiting the campus and sharing his knowledge.

Prof. Prabhakar Singh of IIT BHU Delivers a Talk at SMVDU



The School of Physics, SMVD University organized a lecture by Prof. Prabhakar Singh, former Prof., IIT-BHU, on "Stable Perovskites Photovoltaics". Prof. Singh talked about the potential of solar energy in meeting current energy requirements. He discussed current issues and challenges in designing efficient materials for solar photovoltaic devices in which the research and development have been conducting across the globe. Prof. A. K. Sharma, Dean, Faculty of Sciences, SMVDU, thanked the expert for the talk. At the onset, Dr. Pankaj Biswas welcomed the speaker, and introduced his accomplishments to the audience. Dr. Kamni, Coordinator, presented the vote of thanks.

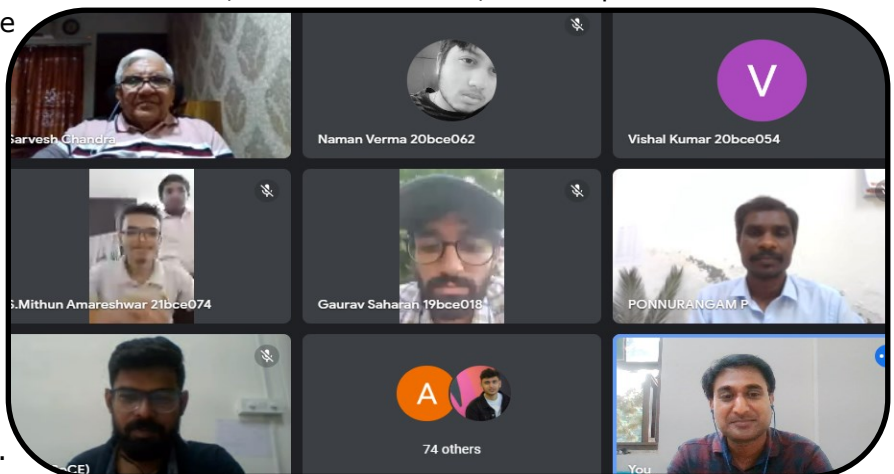
Solar Man of India delivers lecture on Energy and Climate Change at SMVDU



Prof. Chetan Singh Solanki delivered an expert lecture on Energy and Climate Change at Shri Mata Vaishno Devi University. The event was organised by TBIC, SMVDU and School of Energy Management and was attended by students, scholars, faculty and staff. The speaker talked on energy demand, climate change and carbon dioxide emission. He discussed that the climate change is threatening not only sustainable life but the sustainability of life on the planet. Prof. Solanki is an educator, researcher, innovator, and happiness program teacher of Art of Living. He has undertaken Energy Swaraj Yatra from November` 2020 through a solar bus for 11 years, until 2030. He emphasized that solution lies in adopting Energy Swaraj or generating and consuming energy locally. In the wake of serious and catastrophic climate change, this Energy Swaraj Yatra is designed with the purpose to create a public movement towards adoption of 100% solar energy. Following Gandhian ideals, he has coined the word 'Energy Swaraj' and to establish Energy Swaraj globally he has founded the Energy Swaraj Foundation (ESF). Prof. R. K. Sinha, Vice Chancellor, SMVDU in his inaugural address highlighted the need of solar energy for sustainable environment. The programme was coordinated by Dr. Ashutosh Vaishstha, Associate Professor School of Business, Dr. Vineet V. Tyagi, I/c Head, School of Energy Management and Dr. Sanjeev Anand, Assistant Professor, School of Energy Management.

Prof. Chandra of IIT Kanpur Delivers Talk on "Modelling of Railway Track for High-Speed Trains"

School of Civil Engineering, SMVD University (SMVDU) organized an expert talk on "Modelling of Railway Track for High-Speed Trains" by Prof. Sarvesh Chandra, Former Professor, IIT Kanpur. This lecture was an extension activity for the course 'High-Speed Railway Engineering' which is a part of the curriculum of B. Tech. (Civil Engineering) at SMVDU. Prof. Chandra informed students about the latest knowledge related to the developments taking place in the field of high-speed trains. Also, the talk emphasized the position of India in the field of high-speed railway technology and noteworthy insight into various design approaches for high-speed railway tracks across the globe. Prof. Chandra also put forward the light on the tools used and parameters that needed to be considered to analyse the performance of high-speed railway tracks. The talk was organised by Dr. Balbir Pandey and Dr. Bharat Bhushan Jindal, Faculty, SoCE, SMVDU. The Head of the School, SoCE, SMVDU, thanked the expert for sharing his knowledge.

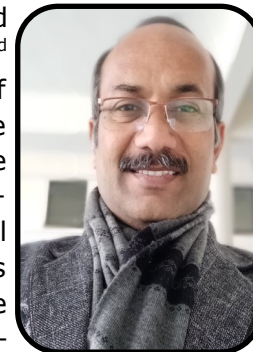


Faculty/Staff Updates

Talk Delivered

SMVDU Faculty Delivered a Talk at Parul University

Dr. Bharat Bhushan Jindal, Faculty, School of Civil Engineering, Shri Mata Vaishno Devi University, delivered an invited lecture on "Geopolymer Concrete with Industrial Waste and Recycled materials for Environmental friendly construction" in the National Webinar held on 3rd September 2022, organized by the Department of Civil Engineering, Parul Institute of Technology, Parul University, Vadodara, Gujrat. Dr. Jindal discussed the details of the research taking place throughout the globe on cement-less geopolymer concrete. The lecture emphasized the growing demand for infrastructure leading to the manufacturing of cement at a gigantic scale and its adverse effect on the environment. Dr. Jindal put forward the light on the possibilities of using geopolymer concrete with various waste materials in the field of construction, pavements and tunnel repairs. The lecture was well-received by faculty members, Ph.D. scholars, and UG and PG students. Research scholars and budding civil engineers were made aware of the significance and scope of research in geopolymer concrete.



Gautam Narula of SMVDU Delivers a Talk on Groundwater Management

Gautam Narula, Assistant Professor, School of Civil Engineering, Shri Mata Vaishno Devi University, delivered a talk on Groundwater Management at KG Reddy College of Engineering and Technology, Andhra Pradesh. The talk aimed to make students understand groundwater crises in India and the world. Students were made aware that India is the biggest consumer of groundwater in the world. The topics discussed during the talk were the policies and facts presented in United Nations Ground Water Report 2022, the need to understand groundwater management, the steps that can be taken, and successful case studies in India and the world, including Andhra Pradesh Farmers Managed Ground Water System Project, China Sponge City and Managed Aquifer Recharge technique. The comparison was set up between the tapping and managing of groundwater and surface water. Special attention was given to the falling groundwater table in Punjab, Haryana, Rajasthan and some places in Andhra Pradesh. The talk showcased various dimensions the policymakers and engineers must consider controlling groundwater abstraction so that we are not exhausted from groundwater resources.



Paper Presented

SMVDU faculty presents research paper at international conference

Dr. Rahul Sharma, Faculty, SMVDU, presented a paper at 9th International Civil Engineering Conference in the Asian Region (CECAR 9) at Panaji, Goa. The Inaugural address was delivered by the chief guest, Dr. Parmod Sawant, Chief Minister, Goa. Dr. Sharma emphasized the utilization of industrial by-product as alternative construction materials for the sustainable and green self-compacting concrete. Researchers from South Korea, Taiwan, Japan, Australia, USA, etc. also presented their researches on different themes of the conference. Dr. Sharma also chaired two sessions on "Futuristic Construction Technologies" and "Water Resource Management". The conference was organized by the Asian Civil Engineering Coordinating Council (ACECC) and hosted by Institution of Civil Engineers.



Paper Published

Dr Gyanesh Singh, Assistant Professor, School of Electrical Engineering along with Dr. Munish Subraj have published a patent, titled " Predictive fault detection in grid connected PV system using training based model " on 02-09-2022.

Dr Gyanesh Singh, Assistant Professor, School of Electrical Engineering participated in an AICTE based online workshop on the topic " Designing and modeling of IOT,AI and ML System " from 01-08-2022 to 05-08-2022.

Student Updates

SMVDU Researcher Qualifies for the Award of Ph.D

Ms. Reya Sharma has been declared qualified for the award of the degree of Doctor of Philosophy (Ph.D) in Computer Science and Engineering by Shri Mata Vaishno Devi University (SMVDU). The candidate worked on the topic, titled "Enhanced Neuro-evolutionary Techniques for Handwritten Dogra Script Recognition" under the supervision of Dr Baijnath Kaushik and Dr Naveen Kumar Gondhi, Faculty, School of Computer Science and Engineering, SMVDU. Ms. Reya Sharma has published her research work in SCI/SCIE and Scopus journals, and also presented papers at international conferences. The candidate thanked SMVDU for granting her the fellowship during her PhD program. Prof. RK Sinha, VC, SMVDU, Dr. Ajay Kaul, Dean Faculty of Engineering, and Dr.Baijnath Kaushik, supervisor and Head of School congratulated the candidate and wished her a bright future ahead.



Ms. Surbhi Sharma Declares Qualified for the Award of Ph.D.

Ms. Surbhi Sharma has been declared qualified for the Doctor of Philosophy (Ph.D.) in Computer Science and Engineering by Shri Mata Vaishno Devi University (SMVDU). The candidate worked on the topic, titled "Enhancing Security of Internet of Vehicles (IoV) using Lightweight Cryptographic Solutions" under the supervision of Dr.Baijnath Kaushik, Associate Professor and Head, School of Computer Science and Engineering, SMVDU. Ms. Surbhi Sharma has published in SCI/SCIE journals, conferences, and book chapters. The candidate thanked Shri Mata Vaishno Devi University for granting her the fellowship during her Ph.D. program. Prof. Ravindra Kumar Sinha (Vice-Chancellor, SMVDU), Dr. Ajay Kaul (Dean Faculty of Engineering), and Dr.Baijnath Kaushik (Supervisor and Head of Department, CSE) congratulated the candidate and wished her a bright future ahead.



Ms. Kanica Sachdev Qualifies for for the Award of Ph.D.

Ms. Kanica Sachdev has been declared qualified for the award of the degree of Doctor of Philosophy (Ph.D.) in Computer Science and Engineering by Shri Mata Vaishno Devi University (SMVDU). The candidate worked on the topic, titled "Improved Computational Techniques For Predicting Drug- Target Interaction & Drug Side Effects", under the supervision of Dr. Manoj Kumar Gupta, Associate Professor, School of Computer Science and Engineering, SMVDU, Katra. Ms. Kanica Sachdev has published her research findings in SCI and SCOPUS journals of repute and also presented papers in international and national conferences. The candidate has expressed her gratitude to the School of Computer Science and Engineering and SMVD University for providing all facilities for carrying out the research work.



Ms. Surbhi Gupta Qualifies for the Award of Ph.D.

Ms. Surbhi Gupta has been declared qualified for the award of the degree of Doctor of Philosophy (Ph.D.) in Computer Science and Engineering by Shri Mata Vaishno Devi University (SMVDU). The candidate worked on the topic, titled "Efficient Computational Model for Diagnosis of Cancer", under the supervision of Dr. Manoj Kumar Gupta, Associate Professor, School of Computer Science and Engineering, SMVDU. Ms. Surbhi Gupta has published her research findings in esteemed SCI and SCOPUS journals of repute and also presented papers in international conferences. The candidate has expressed her gratitude to her Supervisor for guidance and support and SMVD University for providing all facilities for carrying out the research work.



SMVDU Scholar Declares Qualified for the Award of Ph.D.

Mr. Vinod Kumar has been declared qualified for the award of Doctor of Philosophy (PhD) in Computer Science & Engineering by Shri Mata Vaishno Devi University (SMVDU). The researcher worked on "Development of Attack Modeling in Narrowband-Internet of Things" under the supervision of Prof.(Dr.) Sanjeev Jain, VC, Central University, Jammu and co-supervision of Dr. Rakesh Kumar Jha. The candidate has published research papers indexed in SCI ranked journals and has presented papers at international conferences. He has also presented his work on Asia Pacific Advanced Network (APAN-54, China) world forum. The candidate has expressed his gratitude to the 5G and IoT Lab of SMVD University for providing facilities and necessary support for carrying out his research. Prof. (Dr.) R. K. Sinha, VC, SMVDU, and other committee members congratulated the scholar and wished him a bright future ahead.



SMVDU Researcher Declares Qualified for the Award of Ph.D.

Ms. Kavita Saini, Researcher, School of Mathematics, Shri Mata Vaishno Devi University (SMVDU) has been declared qualified for the award of Doctor of Philosophy (PhD) in Mathematics. She worked on the topic, "A Study of Some Difference Sequence Spaces and Their Dulas", under the supervision of Dr. Kuldip Raj, Head of Department, School of Mathematics, SMVDU. The candidate has published papers in the SCI-SCOPUS journals and presented papers at international and national conferences. The researcher has expressed her gratitude to her supervisor for guidance and support and SMVD University for providing all facilities for carrying out the research work.



Paper Presented/Published

SMVDU Scholar Presents Research at Central University, Jammu

Mr Rudraksh S. Gupta, PhD scholar, School of Energy Management has presented a research paper titled 'Framework for better adoption of sustainable energy development' authored by Rudraksh S. Gupta, Dr. Sanjeev Anand and Dr. Arjun Tyagi in the National Conference on Sustainable Environment: Water-Health-Agriculture-Climate Nexus (SEWHACN-2022) organised by Department of Environmental Sciences, Central University of Jammu. The presentation discussed a method to adapt and hasten up the uptake of sustainable energy sources to make the world carbon neutral and achieve the target set up by India in the Paris Agreement 2015.



NSS SMVDU organized a tree plantation drive at Govt. High School



NSS unit of SMVDU, Katra organized a tree plantation drive at Govt. High School, Sirah in collaboration with the "Go Green Katra" project team. The saplings planted mainly Gulmohar (*Jacaranda mimosifolia*) trees and some medicinal plants like Ashvagandha etc. NSS volunteers actively participated in the drive and worked with the "Go Green Katra" team in pit work and other necessary arrangements. Headmaster, Govt. High School Sirah, Shri Ravi Kumar ji and senior teacher Mrs. Laxmi appreciated the efforts of NSS team of the University. NSS volunteers regularly visit the school for different activities with school students. NSS Programme Coordinator Dr. Rajiv Kumar, Project Director, Go Green Katra, Mr. Dheeraj Thapa were also present during the drive.

NSS SMVDU Organized three-day Orientation Program for UG Students

The NSS unit of SMVDU organized a three-day orientation program for the undergraduate students in which around 700 students participated.

The aim of the program was to aware students about various activities conducted by the NSS unit and to motivate them for active participation. The Program Coordinator, NSS, Dr. Rajiv Kumar, briefed students about NSS and its role in student's development and nation building. He also emphasized the scope of activities for NSS volunteers in community development. SMVD University has also initiated a new component of "Community service" for UG students that they have to complete during their degree course. The students were given direction about students enrolment as volunteer in the NSS.



NSS SMVDU Organized Competitions in Govt. High School, Sirah

NSS SMVDU volunteers organized various writing and oral competitions in Govt. High school, Sirah under the "Vidhyanjali" scheme. The aim of "Vidhyanjali" scheme is to act as a facilitator by connecting contributors directly to the schools. The effort is to bridge the knowledge, skill and human resource gap in the schools by tapping the potential available outside the schools. NSS volunteers visit Govt. High School Sirah, and share their knowledge in different skills like writing, oral, cultural and sports, etc. The essay writing competition was organized for 09-10 classes on the importance of a teacher in a student's life. NSS volunteers also provide feedback on their writing skills, and various oral competitions were also organized. NSS Programme Coordinator, Dr. Rajiv Kumar, thanked school authorities for their support and appreciated the efforts of NSS volunteers for the initiative.



NSS SMVDU Organized "Poshan Abhiyan" in Primary School



NSS volunteers of Shri Mata Vaishno Devi University (SMVDU) organized an awareness programme for "Poshan Abhiyan" during the ongoing 5th Rashtriya Poshan Maah. Poshan Abhiyaan is Government of India's flagship programme to improve nutritional outcomes for children under 6 years of age, pregnant women and lactating mothers. Every year September month is celebrated as Rashtriya Poshan Maah". Volunteers visited Govt. Primary School situated in village School. The NSS volunteer Arshpreet discussed the role of balanced diet in good health with students and emphasized on major components of balanced diet. Volunteer Saaniya gave a demo on proper hand wash before taking a meal. Role of personal hygiene was also discussed with students for a healthy body. Volunteers also enquired about food habits of school students and their mid-day meal menu for the week. Fruits were also distributed to the students at the end of session. Dr. Rajiv Kumar, NSS Programme Coordinator of University appreciated the efforts of volunteers and also thanked school authorities for their support.

NSS SMVDU Celebrates NSS Foundation Day



September 24 is observed as NSS Day since 1969 and marked across the nation with great enthusiasm. It is the day when this public service scheme was officially launched in India. On this occasion, SMVDU NSS volunteers formed "NSS" by a human chain. Volunteers shared their views on the occasion and the event ended with national song Vande maataram. National Service Scheme, also known as NSS, is an extension of activities for students pursuing higher education to increase their participation in community service, in addition to their curriculum. Each volunteer must complete 120 hours of social service in one academic year.

Weeklong Yoga Session Program Begins at SMVDU

As a sound body lives in a sound mind, NSS SMVDU started regular yoga sessions for students, faculty and staff members. Yoga sessions were scheduled from Monday to Friday for the week from 6-7 A.M. The week-long program aimed to sensitise people towards the comprehensive nature of yoga towards life and well-being. The yoga instructor of these sessions was Shri Gurmelji, a trained in yoga, and practiced it every day. He informed students about the benefits of yoga for the body and mind before starting with the asanas. He initiated them into yoga through simple and easy SukshmaKriyas, Asanas and Pranayams. More than 100 participants performed different yoga asanas during the session. NSS Programme Coordinator, Dr. Rajiv Kumar, appreciated the efforts of Shri Gurmelji and NSS volunteers.



SMVDU Students Visits Udhampur-Srinagar-Baramulla Rail Link (USBRL)



Students of School of Civil Engineering, Shri Mata Vaishno Devi University (SMVDU) visited Udhampur-Srinagar-Baramulla Rail Link (USBRL) Project at Sangaldhan, Ramban district, Jammu. The aim of the trip was to make students familiar and understand the functioning of USBRL Project and provide the practical education to them about the Railway Station, Steel Bridge, Tunnel, Ballast Less Track (BLT), and Soil Slope Protection Project Planning, Designing, Construction, and Maintenance procedure and its practices. The trip was organized by Dr. V.K. Dogra (Head, SoCE) in which twenty students accompanied by two faculties Mr. Ponnurangam P (Assistant Professor, SoCE), Mr. Srijan (Assistant Professor, SoCE), Mr. Diwakar Joshi (Dy. CE/C), Mr. AKBajpei (Dy. CE/E), Mr. Narendra Murdeshwar (AE/C), Mr. Arjun Singh (AE/C), Mr. Gajanan Nayak (AE/E), Mr. MdYahob (AE/C), Mr. Nisar Ahmed Mir (AE/C), Mr. Sajad Hassan (STA), Mr. Ravi Manhad (GSE), Mr. PranavChinyal (STA) officers from KRCL Sangaldan coordinated the visit and made all the other necessary arrangements.

SMVDU Students Win Prizes at Surinsar Mansar Lake Festival 2022

SMVDU students won first and third prize in painting competition at Surinsar Mansar Lake Festival 2022 organized by Directorate of Tourism in collaboration with Divisional administration, Jammu. The festival was held on 17-18 Sept., 2022 at Surinsar and Mansar. Around fifty students from SMVDU participated in this festival and took part in different competitions. A painting competition was organized by Jammu Tourism in which Mr. Shivam Kumar Sangal, a student from Dept. of Computer Science and Engineering, SMVDU won the first prize and Mr. Shivam Kumar Verma from Dept. of Electronics and Communication Engineering won the third prize. Dr. Kamni Pathania, Vice President BCA and Dr. Satish Tiwari coordinated the student visit. Prof. R K Sinha, Vice Chancellor, SMVDU and Nagendra Singh Jamwal, Registrar SMVDU congratulated the students.



SMVDU Researchers Develop Method to Study Apoptosis



Researchers from Shri Mata Vaishno Devi University (SMVDU) led by Dr. Narendra K Bairwa, Faculty, Genome Stability Regulation Lab, School of Biotechnology, SMVDU, and recipient of the prestigious Ramalingaswami fellowship, developed a simple and rapid method to study apoptosis induced by chemical treatment using Yeast (*Saccharomyces cerevisiae*) as a model organism. The research method is published in the Current Protocols, 7th September 2022 issue. The apoptosis process is implicated in various disease processes, such as cancer, cardiovascular and aging. The authors, Dr. Narendra K Bairwa, Ms. Heena Shoket, Ms. Monika Pandita, and Ms. Meenu Sharma contributed to the published study titled "A Simple Assay for the Detection of Late-Stage Apoptosis Features in *Saccharomyces cerevisiae*". The method developed by Dr. Bairwa and his team can be utilized for the assessment of the toxicity of the chemicals by studying the features of apoptosis rapidly and accurately. The method can also be used for teaching the impact of chemicals derived from plants or industries on cells to a large number of students enrolled in schools, colleges, and universities. The laboratory of Dr. Narendra Kumar Bairwa is supported by DBT, SERB-DST, & SMVDU, for work on gene-gene interactions, genome stability regulation, stress response, and screening of small molecules for drug discovery.

Social Responsibility

Vikalp Assists Village Girl in Admitting SMVD University

Ms. Anjali Sharma, a resident of Sira, joined the UG program in Biotechnology at SMVDU. She was a student of Vikalp from 2010-12, which is a students' initiative of SMVD University to extend primary and secondary education to the underprivileged children of the nearby villages and the children of the construction workers on the campus. Shri Sumanta S. Sharma, Faculty Coordinator, Vikalp and the Head of the School of Philosophy & Culture felicitated Ms. Anjali Sharma and wished her the very best for her academic endeavour. In her address to the Vikalp students and volunteers, Anjali reiterated the significance of such initiatives in bringing positive changes to the vicinity of SMVDU. She thanked Vikalp for helping her over the years.

