

**UPCOMING EVENTS**

- **National Seminar on Smart Materials: Current Scenario and Future Prospects on 7<sup>th</sup> June, 2023.**

**PATRON**

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## Campus Jottings

### National Workshop on Self-Encouragement for Writing and Publishing Inaugurated at SMVDU



On May 1, 2023, the School of Architecture & Landscape Design (SoALD) at SMVDU University conducted a successful national workshop titled "Encourage Yourself to Write and Publish." The primary objective of the workshop was to raise awareness among architects and inspire them to document and share their architectural initiatives. Architects worldwide provide valuable architectural consultancy to society, necessitating proper documentation of their work. In addition, architects engaged in teaching and research play a crucial role in guiding aspiring architects and require suitable platforms to showcase their pedagogical experiments. Furthermore, undergraduate architecture students aiming for excellence in the professional field need guidance in developing their writing skills on architectural concepts. The workshop featured esteemed speakers Dr. Vinita Yadav, Professor at SPA New Delhi, and Mr. Rishi Seth, Publisher at Copal Publishing. They presented valuable insights into the procedural and practical opportunities available for writing and publishing on architectural themes. Their interactions with the participants not only encouraged a deeper understanding of architectural writings but also provided valuable techniques employed by architects to effectively convey and archive their architectural practices, teaching methodologies, and learning experiences through various forms of writing and publishing. The workshop was coordinated by Ar. Aditya Kumar Singh, Head of SoALD, along with Ar. Abhiney Gupta, Assistant Professor at SoALD. The coordinating team, comprising of Dr. V.K. Dogra, Associate Professor at SoALD, Ar. Abhimanyu Sharma, Assistant Professor at SoALD, and Ar. Aditi Sharma, Assistant Professor at SoALD, played a pivotal role in ensuring the workshop's success. The event witnessed active participation from over 150 attendees and was held in collaboration with Copal Publishing. Vice Chancellor, Prof. R.K. Sinha, and the Dean of the Faculty of Engineering extended their congratulations to SoALD for the seamless organization and successful conduct of the workshop.



## SMVDU Hosts One-Day National Seminar on "Essentials of Product Development"



Shri Mata Vaishno Devi University (SMVDU) organized a highly informative one-day national seminar on "Essentials of Product Development." The School of Mechanical Engineering (SME) under the Faculty of Engineering took the initiative to host this program. Dr. Ankush Anand, Associate Professor at the School of Mechanical Engineering, acted as the seminar coordinator and presented the objectives to all participants. The seminar aimed to provide participants with exposure to the latest trends and technologies employed by product designers worldwide. Over 100 individuals from various engineering institutes, both within and outside Jammu and Kashmir, enthusiastically registered for the seminar. The inaugural session of the seminar was graced by Prof. Eswaramurthy, Head of SME, who delivered an inspiring speech, motivating students to acquire new techniques in product development. The seminar featured a series of expert talks by faculty members from prestigious institutes of national importance. These talks explored different aspects of product development in the current scenario. Participants had the opportunity to present and discuss recent innovations, emerging trends, challenges, and solutions encountered in the field of engineering design. Dr. Ankush Raina, Assistant Professor at the School of Mechanical Engineering, served as the co-coordinator of the program and expressed gratitude in the vote of thanks. The coordinators extended their appreciation to Prof. Ravindra Kumar Sinha, the Vice-Chancellor of SMVDU, and Sh. Nagendra Singh Jamwal, the Registrar of SMVDU, for their support and encouragement in making the seminar a success.

## SMVDU Conducts One-Week Workshop on "Blockchain and Cryptocurrencies"

The School of Electronics & Communication Engineering at SMVD University successfully organized a comprehensive one-week workshop on "Blockchain and Cryptocurrencies" from 22<sup>nd</sup> to 26<sup>th</sup> May 2023. The primary objective of the workshop was to provide faculty, staff, scholars, and students with exposure to the emerging field of

"Blockchain and Cryptocurrencies" to enhance their knowledge in this domain. The workshop commenced with a warm welcome note by Dr. Sachin Kumar Gupta, Assistant Professor at SoECE, SMVDU Katra, who served as the workshop coordinator. Dr. Manish Sabraj, the Head of School, introduced the participants to the key accomplishments of the School, highlighting its expertise in the field. Dr. Vijay Kumar Sharma,



Assistant Professor at SoECE, SMVDU, emphasized the significance of Blockchain and Cryptocurrencies in the context of future development. Participants from various states of India attended the workshop, eager to learn from the top researchers in the field. The workshop featured renowned resource persons such as Dr. Anand Nayyar from Due Tan University, Vietnam; Dr. Manoj Kumar from Wollongong



University Dubai; Dr. Adarsh Kumar from the University of Petroleum and Energy Studies, Dehradun; Dr. Amrendra Singh Yadav from ABV-IIITM Gwalior; Dr. Mohit Kumar from Dr. B. R. Ambedkar NIT, Jalandhar; Dr. Subhasish Dhal from IIT Guwahati; and Dr. Sudeep Tanwar from Nirma University, Ahmedabad. These experts provided in-depth knowledge and hands-on practice in the field of Blockchain and Cryptocurrencies. The workshop coordinators, Dr. Sachin Kumar Gupta and Dr. Vijay Kumar Sharma, expressed their heartfelt gratitude to the Vice Chancellor and Registrar for granting permission to organize this insightful workshop. The event was a resounding success, empowering participants with valuable insights into the realm of Blockchain and Cryptocurrencies.

## **SMVD University and Government Polytechnic Jammu Collaborate to Conduct Workshop on Electric Vehicles**



The School of Mechanical Engineering (SoME) at SMVD University in collaboration with the Center for Invention, Innovation, Incubation, and Training (CIIIT) at Government Polytechnic Jammu, organized a two-day workshop on "Electric Vehicles" from 25<sup>th</sup> to 26<sup>th</sup> May 2023. The workshop aimed to provide students, scholars, faculty, and staff from various institutes with a unique opportunity to gain insights into the working principles of electric vehicles, motor and battery design, and the application of power electronics in electric vehicles. The Patron of the program was Padma Shri, Professor (Dr.) R. K. Sinha, Vice Chancellor of SMVDU, Katra. Er. Arun Bangotra, Principal of Government Polytechnic Jammu, and Professor Eswarmoorthy Muthusamy, Head of SoME, SMVDU, served as the chairpersons of the program. Er. Arun Bangotra formally welcomed the participants and dignitaries, providing an overview of the event. The workshop comprised four sessions held over two days, featuring both theoretical discussions and practical sessions for designing various components. Dr. Sanjay Sharma, Assistant Professor at SoME, SMVDU, and Convener of the workshop, highlighted the current scenario of the automobile sector and emphasized the importance of student involvement in such workshops. Er. Deepak Byotra, Workshop Superintendent at SMVDU, and organizing secretary of the program, acknowledged the efforts of Sh. Sandeep Nimbalkar, Project Coordinator at TATA Technologies, and other subject matter experts from TATA Technologies for conducting this workshop on the latest technologies related to electric vehicles. The workshop saw participation from 50 faculty, staff, and students from various institutes, including DAV Jalandhar, HKM Haryana, SMVD University Katra, YCET, GCET Jammu, and Government Polytechnic Jammu.

## **SMVDU Faculty Participates in Half-Marathon at Patnitop**

India's most beautiful hill race Patnitop Marathon was held on 28<sup>th</sup> May, 2023. Various athletes from J&K and across India participated in the Marathon (5km, 10km, 21.1km) in different categories. Dr. Sandeep Sharma, Assistant Professor, School of Mathematics participated in the half Marathon of 21.1km under category (35-45 years). In this category, 21 athletes participated in the Marathon. Dr. Sharma successfully completed the half Marathon of 21.1km in 02.39.55, average pace 07.34 per km and got the 9<sup>th</sup> rank.

# Celebration and Day Observed

## SMVDU Celebrates Shankaracharya Jayanti



Shankaracharya Jayanti was celebrated by the School of Philosophy & Culture, SMVDU. Dr. Anil K. Tewari, Assistant Professor SoPC gave an introductory speech. Dr. A. K. Sharma was the Chief Guest. The day was celebrated by screening a documentary titled Kalady: the triumph of faith over time (rediscovery of Sri Adi Shankaracharya's birth place). Adi Shankaracharya Jayanti is celebrated on Pan-chami Tithi during Shukla Paksha of Vaishakha month. Shankaracharya is known for his teachings on Advaita Vedanta, which emphasizes the unity of the individual self (atman) with the universal consciousness (Brahman). The documentary discussed the importance of the birth place of Adi Shankaracharya. It shed light on the four peeths which are located in the four corners of India – Sringeri in South, Dwarka in the west, Puri in the east and Joshimath in the north. The main discussion was about history of acquiring Kalady and relocating Shankaracharya's home and related places. It also discussed his life story and the incidents which encouraged him to observe Sannyasa. Students from various branches attended the celebration. Guest faculties of Vedic Studies, Mr. Keshav Kumar Pandey, Mr. Krishna Kumar Pandey and Dr. Chandra Shekhar Mishra explained Shankaracharya's philosophy. Mr. Sumantha Sarthi Sharma discussed a few questions related to the importance of Advaita Vedanta Philosophy in present time. In the end, the vote of thanks was delivered by Dr. Madhu Mangal Chaturvedi.

## Faculty/Staff Updates

### Talk Delivered

## SMVDU Faculty Delivers Lecture-Series at Lucknow University

Dr. Satish Kumar Tiwari, an Assistant Professor at SMVD University, shared valuable knowledge at UGC-NET Workshop. Dr. Satish Kumar Tiwari, an Assistant Professor at SMVD University, recently delivered a series of lectures during a week-long workshop organized by the Department of Philosophy at Lucknow University. The workshop, designed for UGC-NET aspirants, took place from May 1, 2023, to May 6, 2023. During the workshop, Dr. Satish Tiwari provided invaluable guidance to the students, helping them comprehend the UGC-NET exam pattern, syllabus, and the level of questions. His lectures focused on various units of Philosophy Paper-2, including Logic, Indian Philosophy, Western Philosophy, and Indian Ethics. Drawing from his decade-long experience in assisting UGC-NET aspirants, Dr. Satish Tiwari's coaching services were provided



were provided free of charge. Beyond his teaching responsibilities, Dr. Satish Tiwari is the founder of the platform "Bhartiya Darshnik Manch." This platform serves as a hub for researchers, faculty members, and academicians in the field of Philosophy, fostering collaboration and intellectual discourse. The participation of Dr. Satish Tiwari in the workshop proved immensely beneficial to the UGC-NET aspirants, equipping them with the necessary knowledge and effective preparation strategies to excel in the upcoming examination. Dr. Satish Tiwari's selfless dedication to mentoring students and his significant contributions to the field of Philosophy through the establishment of "Bhartiya Darshnik Manch" exemplify his commitment to promoting academic growth and fostering intellectual discussions.

### SMVDU Faculty Delivers Talk at international conference

Dr. Ram Prakash, Assistant Professor, School of Physics delivered an invited talk entitled "Structural, and Spectroscopic Analysis of  $\text{Dy}^{3+}$  doped  $\text{ZrO}_2$ " in international conference on Nanotechnology for Better Living (NBL-2023) held at NIT Srinagar in association with Parul University, SKUAST-K and Kashmir University, and in collaboration with IIT-BHU during 25<sup>th</sup> - 29<sup>th</sup> May 2023. Dr. Ram Prakash discussed the effect of Dy doping on  $\text{ZrO}_2$  and its potential application of solid state lightening.



### Paper Presented/Published

Savita Sharma, Jyotsna Sharma, Deepika Singh and Sharada Mallubhotla (2023). "Seasonal variation of boeravinone B content in plant parts of Boerhaavia diffusa L. Israel" *Journal of Plant Sciences*, DOI: <http://dx.doi.org/10.1163/22238980-bja10077>.

## External Expert

### SMVD University Organizes Talk on Sustainable Agriculture and Food Security

In collaboration with the DBT-PG Teaching Programme, the School of Biotechnology (SoBT) at SMVD University (SMVDU) hosted a captivating talk on sustainable agriculture and food security. The guest lecture was delivered by Prof. Ramakrishna Wusirika, a distinguished professor from the Central University of Punjab in Bathinda.

The lecture focused on "Proteomic and Metabolomic Reprogramming in Wheat by Plant Growth Promoting Bacteria and Arbuscular Mycorrhizal Fungi." During the lecture, Prof. Wusirika shared his research findings, highlighting the profound



impact of plant growth-promoting bacteria and arbuscular mycorrhizal fungi on improving the proteomic and metabolomic profiles of wheat plants. Participants had the opportunity to delve into agricultural research and explore the applications of microbial biotechnology in enhancing yield parameters in wheat, a crucial staple crop. The lecture also shed light on the broader implications of this research for sustainable agriculture and food security. Dr. Sharada Potukuchi, Coordinator of the DBT-PGT program, expressed gratitude to Prof. Wusirika for sharing his valuable knowledge and insights. The talk provided an enriching experience for all participants, offering valuable insights into cutting-edge research and its practical applications in the field of agriculture. Dr. Rakesh Kumar, Co-coordinator of the DBT-PGT program, extended his sincere appreciation to Prof. Wusirika for his contribution. Dr. Ratna Chandra, Head of SoBT at SMVDU, commended the organizers for their efforts in orchestrating such an impactful event that fostered knowledge sharing and discussions on sustainable agriculture and food security.



# Student Updates

## SMVDU Organizes Mini Marathon Against Drug Abuse to Mark 100<sup>th</sup> Episode of Mann ki Baat

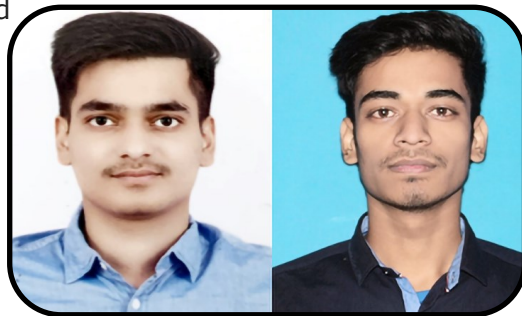


To commemorate the 100<sup>th</sup> episode of Mann ki Baat, SMVDU organized a spirited mini marathon aimed at raising awareness against drug abuse. The event was jointly organized by the NSS unit and the Board for Sports Activities within the university premises. Approximately 100 participants took part in the event with great enthusiasm. During the mini marathon, NSS volunteers Awanish and Mehak shared their insightful thoughts on the detrimental effects of drug abuse. To further motivate the participants, refreshments and cash prizes were generously provided by the President of Hindustan Scouts and Guides NGO. Following the mini marathon, a live telecast of the 100th episode of Mann Ki Baat was arranged in a lecture hall, where students had the opportunity to listen to the thoughts shared by Prime Minister Shri Narendra Modi. The presence of NSS coordinators Dr. Rajiv Kumar, Kamaldeep, BSA President Dr. Parvez Salathia, and other esteemed faculty and staff members, including Dr. Indu Bhushan, Dr. Amit Sinha, Dr. Neeraj Tripathi, Dr. Vikram Singh, Mr. Avdhesh Gupta, Mr. Gaurav, Mr. Sanjeev Vadawan, and Mr. Sumit Sharma, added value to the event. Vice Chancellor Prof. R. K. Sinha extended heartfelt congratulations to all the participants for attending the celebratory events on this historic occasion. Their active involvement demonstrated their commitment to combatting drug abuse and creating a healthier society.



## Students from SMVDU's School of Civil Engineering Shine at ICACM 2023

Two third-year students from the School of Civil Engineering (SoCE) at Shri Mata Vaishno Devi University (SMVDU) showcased their exceptional research skills at the International Conference on Advancement in Construction Materials (ICACM 2023). Abhiviek Singh and Harshit Vatsa, under the guidance of Mr. Srijan, an Assistant Professor at SoCE, presented a review paper titled "Use of Geotextile as an Innovative Material in Geotechnical Engineering: A Review." The ICACM 2023, a significant event as part of the Indo-African Conference Series, was jointly organized by the Department of Civil Engineering at Vidya Jyothi Institute of Technology, The Copperbelt University in Kitwe, Zambia, Mattu University in Metu, Ethiopia, the Indian Concrete Institute, and the American Society of Civil Engineers (Indian Section Southern Region). This collaborative platform facilitated the exchange of knowledge and insights among researchers, scholars, and practitioners in the field of construction materials. The remarkable work presented by Abhiviek Singh and Harshit Vatsa has garnered them well-deserved recognition, as their paper will be published in the Scopus Indexed AIP Conference Proceedings. This achievement underscored their dedication and the high quality of their research. It also served as a testament to the rigorous academic standards and the abundant opportunities provided by the School of Civil Engineering at SMVDU. The School of Civil Engineering at SMVDU continues to foster an environment that nurtures and encourages students to excel in their chosen fields, promoting innovation and academic growth. The successful participation of Abhiviek Singh and Harshit Vatsa at ICACM 2023 marked a significant milestone in their academic journey, setting an inspiring example for future students. It also highlighted the university's commitment to fostering research and scholarly endeavors in the field of civil engineering.



## NSS SMVDU Conducted National Survey in the Adopted village

The NSS unit of Shri Mata Vaishno Devi University recently carried out a significant national survey in their adopted village, Sirah. The purpose of the survey was to collect valuable information regarding "youth not in regular employment and formal education." This data will serve as a crucial foundation for the formulation of national policies addressing the needs of such youth. This comprehensive survey is being conducted across the country by dedicated NSS volunteers from various universities and colleges. In this survey conducted by SMVDU, approximately 35 NSS volunteers actively participated. The survey forms were provided by the Regional Directorate of NSS in New Delhi, ensuring standardized data collection methods. During their visit, the volunteers completed around 100 survey forms, diligently capturing essential details and insights. The dedication and commitment demonstrated by the volunteers in carrying out this task were commendable. Dr. Rajiv Kumar, the NSS coordinator of the university, expressed his heartfelt appreciation for the efforts put forth by the volunteers in conducting the survey.



## NSS SMVDU Volunteers Visit Govt. Primary School

NSS volunteers from Shri Mata Vaishno Devi University took the initiative to organize a visit to the Government primary school in the village of the School. The purpose of this visit was to raise awareness among students about the importance of maintaining a healthy diet for staying fit and active. Led by Sadhvi and Anshika, the NSS volunteers engaged with students from every class in the school and inquired about their understanding of a healthy diet. During the visit, the volunteers organized interactive games for the students, ensuring an engaging and informative experience. Additionally, they distributed fruits to the school students, highlighting the significance of incorporating fresh and nutritious food into their daily routine. Dr. Rajiv Kumar, the NSS coordinator, expressed his appreciation for the volunteers' efforts in organizing this event. Their dedication and commitment to promoting the importance of a healthy lifestyle were commendable. Prof. R. K. Sinha, the Vice Chancellor, extended his congratulations to the NSS team for successfully organizing the event and encouraged them to visit other schools in the Panthal region as well.



## SMVDU Organizes Poster-making on Mission Life

The NSS unit of Shri Mata Vaishno Devi University, Katra, recently hosted a compelling poster-making competition centred around the theme of Mission LiFE. The initiative was inspired by the Honorable Prime Minister, Shri Narendra Modi's introduction of Mission LiFE at the 26<sup>th</sup> UN Climate Change Conference of the Parties (COP26) in Glasgow. Mission LiFE aims to foster a global movement of 'pro-planet people' by encouraging the adoption of sustainable lifestyles. With a keen focus on raising awareness among students about the Mission LiFE initiative, the NSS volunteers took the initiative to organize this engaging event. Approximately 30 volunteers enthusiastically participated in the competition, where they exhibited their creativity and artistic skills through their thought-provoking posters. The event was skillfully coordinated by Anshika, an enthusiastic NSS volunteer who ensured its smooth execution. Dr. Rajiv Kumar, the NSS coordinator, and Dr. Kamaldeep, the co-coordinator, were present to support and appreciate the volunteers for their exceptional efforts in organizing the event.





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

Har Mohan Singh, Researcher, School of Energy Management (SoEM), Shri Mata Vaishno Devi University (SMVDU) has been declared qualified for the award of Doctor of Philosophy (Ph. D) in Energy Management. The candidate has worked on the topic "Solar Thermal Energy Based Photobioreactor System for Scale-Up Algal Biomass Production" under the supervisions of Dr. Vineet V. Tyagi, Head, SoEM, SMVDU. He has published more than 05 research papers in SCI/SCIE (Q1, Q2 rank) and Scopus-indexed journals and also published 04 book chapters in International and National publishers. He has also presented papers in the International and National conferences of repute. Har Mohan Singh is an awardee of the Senior Research Fellowship (SRF) in the programme of National Renewable Energy (NRE). He thanked to the NRE fellowship program of MNRE, (Govt. of India) for granting the fellowship and providing financial support during Ph.D. The researcher has expressed gratitude to his parents and supervisor for guidance and support from Shri Mata Vaishno Devi University to carry out the research work. Prof. (Dr.) R.K. Sinha, Vice-Chancellor, SMVDU and other committee members congratulated the scholar and wished him a bright future.



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

Mr. Sushil Kumar Trisal has been declared qualified for the award of Doctor of Philosophy (Ph.D.) degree in the School of Computer Science and Engineering by Shri Mata Vaishno Devi University (SMVDU). The candidate has worked on the topic, titled "Investigating the Human Dynamic Behavior on Social Networks by Text Analysis", under the supervision of Dr. Ajay Kaul, Associate Professor, School of Computer Science and Engineering, SMVDU. The candidate has published research papers indexed in SCI/SCIE ranked journals and also presented research papers in international conferences.



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

Ms. Pooja Khajuria has been declared qualified for the Doctor of Philosophy (Ph. D.) in Physics award by Shri Mata Vaishno Devi University, Katra. The candidate worked on the topic, titled "Synthesis, Structural and Spectral Studies of Some Rare Earth Doped Metal Zirconates" under Dr. Ram Prakash, Faculty, School of Physics, Shri Mata Vaishno Devi University. The researcher has published research papers indexed in SCI/SCIE-ranked journals and presented her study at various international and national conferences. The candidate has expressed gratitude for the experimental facilities provided by UGC- DAE Consortium for Scientific Research, Indore. Prof. R.K. Sinha, Vice-Chancellor, SMVDU, and other committee members congratulated the candidate and wished her a bright future.



### **Arjun Puri of SMVDU Declares Qualified for the award of Ph.D.**

Mr. Arjun Puri has been declared qualified for the Doctor of Philosophy (Ph.D.) in the school of computer science and Engineering (CSE) at Shri Mata Vaishno Devi University (SMVDU). The candidate has worked on title, "Improved Techniques for Handling class imbalance and missing values in datasets" under the supervision of Dr. Manoj Kumar Gupta, Associate Professor School of Computer Science and Engineering, SMVDU. The candidate has published research papers indexed in SCI/SCIE ranked journals and has presented papers at Scopus indexed international conferences. The candidate has expressed his gratitude to the Supervisor Dr. Manoj Kumar Gupta and Prof. (Dr.) R. K. Sinha, Hon'ble Vice-Chancellor, SMVDU, and other committee members congratulated the scholar and wished him a bright future ahead.





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