



2 DAYS NATIONAL  
CONFERENCE

**TWO-DAYS NATIONAL CONFERENCE ON NATIONAL EDUCATION POLICY FOR  
TECHNICAL EDUCATION EXCELLENCE AND SCIENTIFIC TERMINOLOGY IN  
INDIAN LANGUAGES WAS ORGANIZED AT CSVTU, BHILAI**



The two-day national conference on 'National Education Policy for Technical Education Excellence & Scientific Terminology in Indian Languages' commenced with an inaugural session on June 23rd, 2023. The Conference was organized jointly by the Commission for Scientific and Technical Terminology (CSTT), Ministry of Education (MoE), in collaboration with Chhattisgarh Swami Vivekanand Technical University (CSVTU), the seminar aimed to shed light on the crucial aspects of technical education and the use of scientific terminology in Indian languages.

The inaugural session witnessed the presence of esteemed dignitaries, including Prof. M K Verma, Hon'ble Vice-Chancellor of CSVTU Bhilai, Prof. A D N Bajpai, Hon'ble Vice-Chancellor of Atal Bihari Vajpayee University Bilaspur, Prof. Girish Nath Jha, Chairman of CSTT, MoE, New Delhi, Prof. Sanjay Agrawal, Pro-Vice Chancellor of CSVTU Bhilai, Prof. Ranjan Maheshwari from RTU, Kota, Prof. Satyapal Singh from Delhi University, and Er. J S Rawat, Assistant Director at CSTT, MoE, New Delhi. The program coordinator, Prof. Sanjay Agrawal, and co-coordinator, Dr. R G Brajesh, were instrumental in organizing the event.





During the inaugural session Er. J S Rawat presented an overview of CSTT's aim and achievements since its establishment, highlighting the organization's efforts in the field of technical education. Prof. Girish Nath Jha, Chairman of CSTT, MoE, New Delhi, further emphasized CSTT's role in organizing conferences, and seminars, publishing journals, and developing a web portal for converting English into regional and national languages.







Address by Prof. M.K. Verma  
(Hon'ble Vice Chancellor, CSVTU, Bhilai)

In his address, Hon'ble Vice-Chancellor Prof. M K Verma emphasized the importance of regional languages and their contributions to society, drawing examples from developed nations like Germany, Japan, and China. Prof. A D N Bajpai, the Chief Guest, delved into the significance of using regional languages, providing detailed translations of Sanskrit words into Hindi and other languages.

Following the inaugural session, the technical session commenced with Prof. Ranjan Maheshwari and Prof. Satyapal Singh as resource persons. Prof. Maheshwari underscored the importance of precise translation, especially in international summits with global dignitaries, emphasizing the need for simplified explanations of complex subjects. Prof. Satyapal discussed various methods for creating technical terminologies, focusing on the principles of word origination.







On the second day, the technical sessions continued with Dr. R G Brajesh discussing the evolution of languages and their origins. Prof. K. L. Verma, Vice-Chancellor of CSMU, Panvel, emphasized the significance of incorporating regional languages in early and higher education, citing examples of talented students who face barriers due to limited English proficiency.







In the subsequent technical session, Prof. R. P. Das, Vice-Chancellor of KKHSOU, addressed challenges posed by the National Education Policy (NEP), particularly the gross enrollment ratio, emphasizing the need to achieve a 50% target by 2033. Prof. Sunil Kumar, Vice-Chancellor of RGPV, Bhopal, highlighted AICTE's initiatives for Hindi translations of national and international languages, addressing concerns regarding job opportunities for students educated primarily in regional languages. The session also included five participants presenting oral presentations, followed by a feedback session for participants to share their thoughts and suggestions.

The conference concluded with a valedictory session, where Er. J S Rawat provided a summary of the event. Additionally, Prof. Sanjay Agrawal, Pro-Vice Chancellor of CSVTU, launched a book titled 'Renewable Energy Technology,' available in 12 different languages. Prof. M K Verma, Vice-Chancellor of CSVTU, expressed his appreciation for the conference's vision and mission, announcing CSVTU Bilhail's collaboration with RGPV Bhopal to initiate a multidisciplinary journal in Hindi. Prof. K L Verma, Vice-Chancellor of CSMU, Panvel, extended congratulations and shared his past initiatives as the former Chairman of CSTT. The session concluded with the distribution of certificates to participants, cultural performers, and oral presentation participants. Prof. P K Ghosh, Director UTD, CSVTU, delivered the vote of thanks, concluding the event on a positive note.

## CULTURAL PROGRAMME

### MESMERIZING CULTURAL PROGRAMME DURING THE CONFERENCE

The attendees were treated to a mesmerizing dance performance, showcasing the rich and diverse traditions of India. Renowned dancers enthralled the audience with graceful movements, colorful costumes, and rhythmic music, capturing the essence of various Indian classical and folk dance forms. The cultural event aimed to provide a refreshing and immersive experience, rejuvenating the participants' spirits and fostering a deeper connection to their cultural roots.

In addition to the captivating dance performance, the conference also featured a thought-provoking theatrical presentation of the epic Ramayana.





The play, meticulously staged with elaborate sets and costumes, brought to life the timeless tale of Lord Rama's heroic journey, depicting the triumph of good over evil. The performance captivated the audience, evoking a sense of awe and admiration for the rich mythological heritage of India.

The inclusion of cultural events within the conference program highlighted the significance of integrating art and culture with technical education. It emphasized the holistic development of students, recognizing that a well-rounded education encompasses not only academic excellence but also an appreciation for the arts, history, and cultural heritage.





# MOU'S

## CSVTU SIGNS MOUs WITH NIELIT NEW DELHI AND SNPU RAIGARH



Chhattisgarh Swami Vivekanand Technical University (CSVTU) has entered into bilateral Memoranda of Understanding (MoUs) with the National Institute of Electronics and Information Technology (NIELIT), New Delhi, and Shahid Nandkumar Patel University (SNPU), Raigarh, on June 9th, 2023.





These agreements aim to foster collaboration and promote research-based activities in the field of technology and education.

Under the MoU with NIELIT, CSVTU will establish a NIELIT Center on its campus. The center will facilitate internship programs for CSVTU students, focusing on NSQF-aligned (National Skills Qualification Framework) emerging technologies and future skilling programs offered by NIELIT. Additionally, joint training programs will be developed, leading to joint certification by NIELIT and CSVTU. The revenue generated from these training programs will be shared between the two institutions based on mutually agreed terms, which will be formalized through a separate agreement.

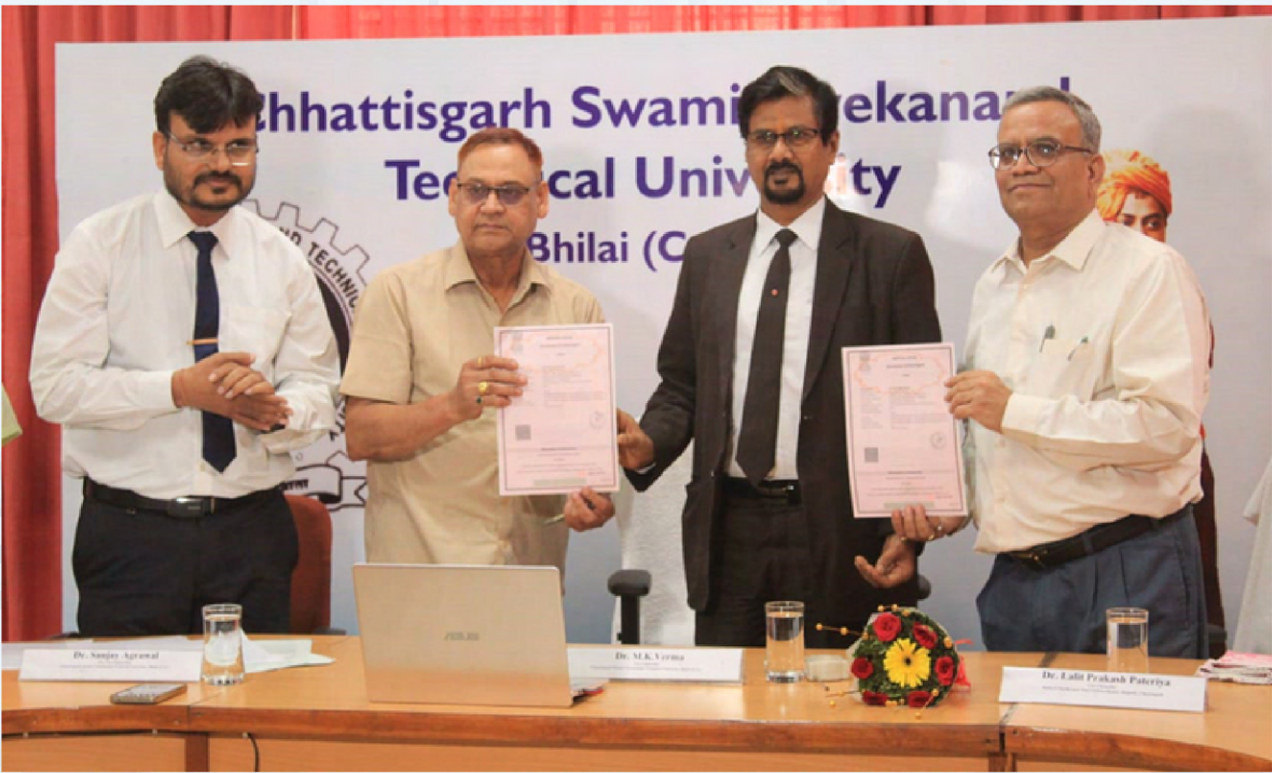


The second MoU was signed between Shahid Nandkumar Patel University (SNPU) and Chhattisgarh Swami Vivekanand Technical University (CSVTU) aims to implement the National Education Policy by encouraging research-based activities. The institutions will collaborate on various initiatives, including seminars, conferences, and symposia, to promote the utilization of research-based platforms. The collaboration will extend to academic and faculty development through offline and online means. The MoU also emphasizes student exchange programs and the exchange of necessary resources such as laboratory equipment, software, computational facilities, and technology.

The signing ceremony for the MoUs was attended by distinguished personalities including Dr. M.K Verma, Vice Chancellor of CSVTU; Dr. Lalit Prakash Pateria, Vice Chancellor of SNPU; Dr. Madan Mohan, Director General of NIELIT; Dr. Sanjay Agarwal, Pro-Vice Chancellor of CSVTU; Dr. K.K Verma, Registrar of CSVTU; and Dr. P.K Ghosh, Director UTD (University Teaching Department) of CSVTU.

These collaborations mark significant milestones in fostering educational and technological advancements, enabling knowledge exchange, and promoting research-driven initiatives. By leveraging the strengths of each institution, these partnerships aim to drive innovation and provide valuable learning opportunities for students, faculty, and researchers.





## UNICEF WORKSHOP

### ONE-DAY WORKSHOP ON LEADERSHIP OF YOUTH IN CLIMATE, ENERGY, AND WATER SUCCESSFULLY ORGANIZED AT UTD, CSVTU, BHILAI



The UTD, CSVTU, and Bhilai hosted a one-day workshop on youth, climate change, and sustainable development on June 8th, 2023, which proved to be a resounding success. The event was inaugurated by Mr. Job Zacharia, the UNICEF In-charge for the Chhattisgarh region, and witnessed the participation of esteemed dignitaries, renowned experts, and enthusiastic youth leaders.



Under the guidance of Dr. P.K Ghosh, the Director of UTD, CSVTU, the workshop commenced with a captivating speech emphasizing the crucial significance of sustainable development and the urgent need to preserve nature. Dr. Ghosh asserted that progress should not come at the expense of the environment, stating unequivocally that deliberate and knowing disregard for ecological balance cannot be forgiven.

The primary objective of the workshop was to raise awareness about leadership qualities required for sustainable development and to address the pressing challenges of climate change. Shweta Patnayak, a UNICEF WASH Specialist, expressed deep gratitude to the university, faculties, and resource persons for their invaluable contributions. Patnayak emphasized the responsibility incumbent upon the present generation to hand over a better world to future generations.

Throughout the event, key discussions revolved around the active involvement of youth and their immense potential to effect substantial change. The participants were encouraged to go beyond mere discussions and take meaningful action. The workshop also shed light on the schemes and programs initiated by the Chhattisgarh government to foster rural entrepreneurship.

A wide range of topics related to sustainable development were covered during the workshop. Prominent discussions focused on green energy solutions, including solar and wind power, and their minimal environmental impact compared to fossil fuels. The significance of green jobs, which contribute to both economic growth and environmental sustainability, was underscored. Mr. Shrikanth Pandey, the State Director of Nehru Yuva Kendra Sangathan, shared his experiences and contributions in this field.



Mr. Job Zacharia, the Chief of the Field Office, UNICEF, emphasized the need for immediate action rather than solely spreading awareness through speeches. He presented the LIFE model for sustainable development and waste management, which encompasses 71 crucial points. The attendees were treated to noteworthy presentations highlighting the impact of climate change on the environment, such as the decline in ice coverage, coral bleaching, and rising sea levels. The potential of renewable energy sources like geothermal, hydroelectric, and wind energy was also extensively discussed, along with their advantages and limitations.



Honourable Vice-Chancellor Prof. Dr. M.K. Verma took the opportunity to reflect on a time when people had a strong connection with nature. The workshop concluded with a solemn pledge ceremony, where all participants committed to embracing a sustainable lifestyle and becoming agents of change. In addition, the inauguration of the Climate Club aimed to foster awareness, encourage behavioral changes, and explore job opportunities in sustainable technologies and the finance sector.

Overall, the workshop provided valuable insights into the importance of sustainable development, climate change mitigation, and the active involvement of youth in shaping a better future. Arpit Tiwary, the State Coordinator, summarized the workshop with "5 mantras to take off." The CSVTU Bhilai community expressed profound gratitude to all the guests, speakers, and participants for their contributions to this impactful event. The workshop concluded on a high note with a Pledge Ceremony, symbolizing a shared commitment to saving and protecting the environment.

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## CONFERENCE

### **THREE PH.D. SCHOLARS OF UTD, CSVTU PRESENTED THEIR RESEARCH PAPER AT AN INTERNATIONAL CONFERENCE ON "PROGRESSIVE RESEARCH IN INDUSTRIAL AND MECHANICAL ENGINEERING" ORGANIZED BY NIT, PATNA**

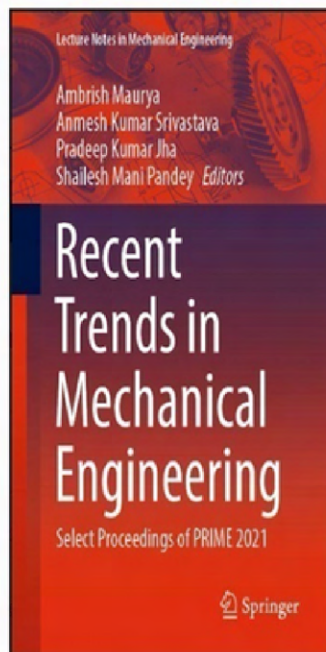
Ph.D. scholars Mr. Yogesh Kumar, Ms. Jyoti Singh Parihar, and Ms. Kaminee Rathore have achieved a commendable feat by presenting their research papers at the esteemed International Conference on "Progressive Research in Industrial and Mechanical Engineering." The conference, which took place at the National Institute of Technology (NIT) in Patna, India, provided a platform for these scholars to showcase their expertise in their respective fields.

Under the expert guidance of Dr. Manoj Verma, Dr. Harish Ghritlahre, Dr. Shiena Shekhar, and Dr. M.K. Gupta, these dedicated researchers presented their significant contributions to the field of mechanical engineering. Their research articles, encompassing areas such as design, production, industrial engineering, automobile engineering, thermal and fluids engineering, mechatronics, control, and robotics, were well-received by the conference attendees.

The culmination of their efforts is the inclusion of select papers from the conference in the book titled "Recent Trends in Mechanical Engineering." This comprehensive publication serves as an invaluable reference for students, researchers, and professionals interested in the vast domain of mechanical engineering and its related interdisciplinary applications.

The achievements of Mr. Yogesh Kumar, Ms. Jyoti Singh Parihar, and Ms. Kaminee Rathore at the International Conference on "Progressive Research in Industrial and Mechanical Engineering" underline their dedication and expertise in their respective areas of research. Their contributions further the advancement of the field and inspire others in the mechanical engineering community.





## [A Review of Recent Advancement in Solar Collector Systems for Water Heating](#)

Yogesh Kumar, Manoj Verma, Harish Kumar Ghrilahre

Pages 469-477

Published: 07 June 2023

## [A Comprehensive Review on Cold-Formed Steel Building Components](#)

Kaminee Rathore, M. K. Gupta, Manoj Verma

Pages 461-468

Published: 07 June 2023

## [A Recent Development in Indirect Type Solar Dryer: A Comprehensive Review](#)

Jyoti Singh Parihar, Harish Kumar Ghrilahre, Manoj Verma

Pages 453-460

Published: 07 June 2023

### Bibliographic Information

<b>Book Title</b>	<b>Book Subtitle</b>
Recent Trends in Mechanical Engineering	Select Proceedings of PRIME 2021
<b>Series Title</b>	<b>DOI</b>
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## PLANTATION DRIVE

### UNIVERSITY TEACHING DEPARTMENT CSVTU ORGANIZES GRAND PLANTATION DRIVE ON WORLD ENVIRONMENT DAY



In a remarkable display of environmental consciousness and dedication towards nature, the University Teaching Department of CSVTU (Chhattisgarh Swami Vivekanand Technical University) recently organized a spectacular plantation drive on the auspicious occasion of World Environment Day. The honorable Vice-Chancellor, along with the entire university family, actively participated in this commendable initiative, radiating joy and enthusiasm throughout the event.

On June 5, 2023, the sprawling campus of CSVTU became a hub of green activity as students, faculty members, and staff members united to contribute to a greener and healthier future. The plantation drive, an essential step towards sustainable development, aimed to raise awareness about the significance of environmental preservation and foster a sense of responsibility towards our planet.

Led by the esteemed Vice-Chancellor, the event kicked off with an inspiring speech that highlighted the importance of preserving our environment and the collective responsibility to combat climate change. The Vice-Chancellor emphasized the crucial role educational institutions play in shaping a sustainable future and encouraged everyone present to actively participate in creating a greener world.

With shovels in hand and saplings in tow, the university family proceeded to designated areas across the campus, ready to bring the vision of a greener future to life. Excitement filled the air as participants eagerly planted a diverse range of trees, including indigenous species known for their environmental benefits. As each sapling found its new home in the fertile soil, it symbolized a commitment to the well-being of the planet and a promise of a healthier tomorrow.

The vibrant energy and unity displayed during the plantation drive were truly commendable. Students from various departments, faculty members from different fields of expertise, and staff members from across the university joined hands, fostering a sense of community and shared responsibility. The spirit of collaboration was palpable as the university family worked side by side, reinforcing the importance of collective efforts in combating environmental challenges.





The event also served as a platform for interactive sessions on environmental conservation, where participants engaged in discussions about sustainable practices, waste management, and the significance of biodiversity. These insightful conversations encouraged attendees to think critically about their impact on the environment and provided practical tips for incorporating eco-friendly habits into their daily lives.

The plantation drive organized by the University Teaching Department of CSVTU on World Environment Day showcased the institution's commitment to environmental sustainability and the importance of individual actions in preserving our planet. By actively involving the entire university family, the event instilled a sense of pride and responsibility among participants.







As the newly planted saplings grow and flourish, they will serve as a constant reminder of the commitment made by CSVTU to nurture a greener future. The positive impact of this plantation drive is not limited to the university campus but extends to the broader community, inspiring others to take similar initiatives and contribute towards a more sustainable world.

The University Teaching Department of CSVTU has set a shining example for other institutions by organizing this grand plantation drive on World Environment Day. Through such collective efforts and a shared vision for a greener future, we can work towards mitigating the challenges posed by climate change and ensuring a harmonious coexistence with nature.

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