



A Report on

“Indian Knowledge System and Modern Science”

Under Unnat Bharat Abhiyan

By

Shri K.E.N Raghavan

Social Rural Activist

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Organized by

**National Institute of Technology Durgapur
M.G. Avenue, Durgapur, Paschim Bardhaman
West Bengal, India**

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1. Introduction

The National Institute of Technology (NIT) Durgapur successfully organized a one-day workshop on “*Indian Knowledge System and Modern Science*” under the aegis of Unnat Bharat Abhiyan (UBA). The programme aimed at fostering a meaningful connection between higher educational institutions and rural communities through sustainable and knowledge-driven interventions.

The event witnessed enthusiastic participation from Principal Investigators (PI Coordinators) of participating institutes, students, and beneficiaries of UBA-supported initiatives, creating a vibrant platform for dialogue, learning, and collaboration.

2. Inaugural Session and Dignitaries

The programme commenced with the ceremonial Deep Prajwalan, setting a formal and auspicious tone for the event. The occasion was graciously presided over by Prof. Shri Krishan Rai, RCI Coordinator, UBA-NIT Durgapur, who formally inaugurated the workshop and invited dignitaries to the dias. Prof. Arvind Choubey, Honourable Director of institute addressed the PI Coordinators and participants, emphasized the pivotal role of academic institutions in achieving the vision of *Viksit Bharat 2047*. He highlighted the importance of Unnat Bharat Abhiyan in transforming rural India through knowledge exchange, innovation, and community engagement. The Director also felicitated the distinguished guest, Shri K.E.N. Raghavan, acknowledging his invaluable contributions to rural development and grassroots innovation.



3. Objectives of the Workshop

The primary objective of the event was to create awareness about the significance of integrating Indian Knowledge Systems (IKS) with modern scientific approaches for achieving sustainable rural development under Unnat Bharat Abhiyan. The session, led by K. E. N. Raghavan, aimed to inspire participants to recognize the value of traditional wisdom and its practical applications in solving real-life challenges faced by rural communities. Another key purpose was to encourage active involvement of Participating Institutes (PIs), coordinators, and students in grassroots-level activities. In the presence of Prof. Arvind Choubey and under the guidance of Dr. Shri Krishan Rai, the event sought to strengthen collaboration between academic institutions and villages through the initiatives of the RCI Cell.

The program also aimed to provide a platform for knowledge exchange, capacity building, and motivation for students to engage in fieldwork, community interaction, and problem-solving using both scientific methods and indigenous practices.

Overall, the purpose of the event was to foster a sense of social responsibility, promote sustainable development practices, and build a bridge between traditional knowledge and modern innovation for holistic rural transformation.

4. Key Highlights of the Programme

An insightful session on integrating Indian Knowledge Systems (IKS) with modern scientific approaches under the framework of Unnat Bharat Abhiyan was organized by RCI- NIT Durgapur. The event featured an engaging address by K. E. N. Raghavan, who emphasized the importance of blending traditional wisdom with contemporary science to achieve sustainable rural development. The program was graced by the presence of Prof. Arvind Choubey, Director, whose encouraging words motivated participants to actively contribute towards nation-building through grassroots initiatives. The event was presided over by Dr. Shri Krishan Rai, who highlighted the role of the Regional Coordinating Institute (RCI) and the RCI Cell of Unnat Bharat Abhiyan in strengthening connections between academic institutions and rural communities.

A key focus of the session was to promote awareness about the relevance of indigenous knowledge in addressing current rural challenges. The speaker illustrated how traditional practices in agriculture, health, and resource management can be effectively integrated with scientific innovations to create sustainable and cost-efficient solutions. Students and coordinators actively participated in the discussions, gaining valuable insights into community engagement and field-based problem-solving. The involvement of the RCI Cell further underscored the institutional commitment to implementing impactful rural development projects.

Overall, the event served as a meaningful platform for knowledge exchange, collaboration, and inspiration. It reinforced the vision that sustainable rural transformation can be achieved through a harmonious blend of India's traditional knowledge systems and modern scientific advancements.

A hands-on training session on biogas production and compost preparation further enriched the programme by providing actionable knowledge that can be directly implemented in villages.



5. Felicitation and Recognition

A significant segment of the programme was dedicated to recognizing contributions to UBA initiatives. NIT Durgapur felicitated members of *Banagram Milan Samity* for their unwavering support and cooperation in the successful execution of the UBA-SEG-sanctioned project titled “Enhancement of English communication skills in Bengali medium students of Banagram village”. They were honored with mementos and prizes as a token of appreciation.

Additionally, the institute recognized and felicitated the top six students from Banagram Village for their outstanding and active performance throughout the project duration. This recognition served as motivation for continued engagement in community-oriented initiatives.



6. Outcomes and Achievements

The program resulted in a significant enhancement of awareness among participants regarding the importance of integrating **Indian Knowledge Systems (IKS)** with modern scientific approaches for sustainable rural development. The insightful session by K. E. N. Raghavan inspired students, PI Coordinators, and faculty members to adopt a more community-oriented and practical approach towards Unnat Bharat Abhiyan activities.

With the esteemed presence of Prof. Arvind Choubey and under the leadership of Prof. Shri Krishan Rai, the event successfully strengthened the role of the RCI Cell in fostering collaboration between academic institutions and rural communities. One of the key achievements was the active engagement and motivation of participants to undertake field-based projects, focusing on real-life rural issues such as sanitation, livelihood, health, and sustainable practices. The session also facilitated knowledge exchange, enabling participants to understand how traditional practices can be effectively integrated with scientific solutions.

Additionally, the program contributed to capacity building by equipping attendees with new perspectives, practical insights, and a clearer roadmap for implementing impactful UBA projects. It also helped in building a network among participating institutes for better coordination and execution of future initiatives. Overall, the event was successful in igniting a sense of responsibility, promoting innovative thinking, and laying a strong foundation for meaningful and sustainable rural transformation.



7. Future Plans and Way Forward

Building on the success of the program, several key actions are planned to ensure sustained impact under Unnat Bharat Abhiyan. Guided by the insights of K. E. N. Raghavan, Participating Institutes (PIs) will intensify their engagement with adopted villages through regular field visits, surveys, and need-based interventions. Emphasis will be placed on identifying local challenges and designing solutions that integrate Indian Knowledge Systems (IKS) with modern scientific practices. Under the leadership of Prof. Arvind Choubey and coordination of Dr. Shri Krishan Rai, the RCI Cell will develop a structured action framework for monitoring ongoing projects and ensuring effective implementation. Periodic review meetings, workshops, and training sessions will be organized to build capacity among students and coordinators. Further, efforts will be made to document best practices and success stories from village-level interventions, enabling knowledge sharing across institutions. Collaboration with local communities, self-help groups, and Panchayati Raj institutions will be strengthened to ensure participatory development. Special focus will also be given to areas such as sustainable agriculture, sanitation, digital literacy, and livelihood generation, with active student involvement. The program envisions creating a model of scalable and replicable rural development initiatives. Overall, the future action plan aims to transform awareness into measurable outcomes by fostering continuous engagement, innovation, and community-driven development. The long-term goal is to develop model villages that demonstrate sustainable practices aligned with the national vision of *Viksit Bharat 2047*.

8. Conclusion

The workshop conducted under the Unnat Bharat Abhiyan at National Institute of Technology Durgapur, led by Shri K.E.N. Raghavan, concluded on a highly impactful and inspiring note. The session successfully emphasized the importance of community-driven development, grassroots engagement, and sustainable rural transformation. Participants, including PI Coordinators, faculty members, and students, gained valuable insights into practical approaches for strengthening rural initiatives and enhancing the effectiveness of UBA activities.

The workshop fostered meaningful discussions, encouraging collaboration between academic institutions and rural communities. It also highlighted the role of innovation, leadership, and social responsibility in addressing real-world challenges. Overall, the event proved to be a significant step toward reinforcing the objectives of Unnat Bharat Abhiyan, leaving attendees motivated to implement learned strategies in their respective adopted villages and contribute actively toward inclusive and sustainable development.

9. Newspaper Reports:

राम नवमी के अवसर पर विशेष पूजा, कन्या पूजन एवं भंडारा विधिवत सम्पन्न होग। समिति के सदस्यों ने बताया कि इस आयोजन के अलावा स्वयंसेवकों के साथ शैक्षणिक कार्यक्रम का आयोजन भी किया जाएगा।

एनआइटी में भारतीय ज्ञान व वैज्ञानिक दृष्टिकोण पर चर्चा

जगरण संवाददाता, दुर्गापुर : राष्ट्रीय प्रौद्योगिकी संस्थान (एनआइटी) दुर्गापुर में 'उन्नत भारत अभियान' के तत्वावधान में भारतीय ज्ञान परंपरा और आधुनिक विज्ञान विषय पर एक दिवसीय कार्यशाला का आयोजन किया गया। कार्यक्रम में उन्नत भारत अभियान से जुड़े क्षेत्रीय समन्वय संस्थान एनआइटी दुर्गापुर के अंतर्गत आने वाले विभिन्न सहभागी कालेजों के सदस्यों ने शिरकात को।

इस अवसर पर 'बनप्रगम' गाँव के बंगाली माध्यम के छात्रों के लिए संचालित विशेष परियोजना अंग्रेजी संचार कौशल में वृद्धि के लाभार्थी छात्र और कर्तब सदस्य

दुर्गापुर एनआइटी ने कार्यक्रम में डालेज के प्रोफेसर व अन्य **जगरण** भी उपस्थित रहे। जहाँ मुख्य अतिथि के रूप में केंद्राध्यक्ष राघवण योगदान देने वाले सदस्यों को और परियोजना प्रशिक्षक डा. श्री

राष्ट्रपति परंपरिक दीप प्रज्वलन के साथ हुआ। दुर्गापुर के क्षेत्रीय समन्वयक डा. श्रीकृष्ण राय ने अपने परिचयात्मक संबोधन में कार्यशाला के उद्देश्यों और उन्नत भारत अभियान की प्रासंगिकता पर प्रकाश डाला। संस्थान के निदेशक प्रोफेसर अरविंद चौबे ने अपने स्वागत भाषण में कहा कि एनआइटी दुर्गापुर का उन्नत भारत अभियान सैल 'विकसित भारत 2047' के राष्ट्रीय मिशन के प्रति पूरी तरह प्रतिबद्ध है। प्रामाण्य विकास को टिकाऊ और समावेशी बनाने में शैक्षणिक संस्थानों की भूमिका अत्यंत महत्वपूर्ण है। कार्यक्रम का मुख्य आकर्षण

केंद्राध्यक्ष राघवण का व्याख्यान रहा। उन्होंने भारतीय ज्ञान के परंपरिक ढाँचे और आधुनिक वैज्ञानिक दृष्टिकोण के मिलन पर विस्तार से चर्चा की। व्याख्यान के बाद एक संवाद सत्र भी आयोजित किया गया जिसमें प्रतिभागियों ने सभ्यतागत समस्यओं के व्यावहारिक समाधानों पर चर्चा की। भोजन अवकाश के बाद ब्यबोरीस और कंप्यूटर खंड (जैविक खंड) तैयार करने का व्यावहारिक प्रशिक्षण दिया। इस सत्र का उद्देश्य प्रतिभागियों को इस योग्य बनाना था ताकि वे अपने-अपने गेद लिए हुए गाँवों में इन टिकाऊ पद्धतियों को लागू कर सकें।

पौर बाबा को स्नान करा हुई चादरपोशी विकास कार्यों का प्रचार कर सुनी समस्यार्ण

जगरण संवाददाता, अमरसरोत : सत्ताधारी तुमसूल कांग्रेस को ओर से जगरण संवाददाता, अमरसरोत

आल इंडिया एससी और एसटी अध्यक्ष का किया भव्य स्वागत

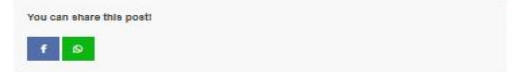
जगरण संवाददाता, अमरसरोत : सत्ताधारी तुमसूल कांग्रेस को ओर से जगरण संवाददाता, अमरसरोत

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Workshop on "Indian Knowledge System and Modern Science" Organized at NIT Durgapur under Unnat Bharat Abhiyaan

By A Correspondent, Durgapur | March 20, 2026 | 701



The National Institute of Technology Durgapur organized a one-day workshop on "Indian Knowledge System and Modern Science" under the aegis of Unnat Bharat Abhiyaan.

The programme was graced by members of participating colleges under Unnat Bharat Abhiyaan affiliated with the Regional Coordinating Institute (RCI), NIT Durgapur. The occasion also witnessed the presence of students trained under the UBA-sponsored project "Enhancement of English Communication Skills in Bengali Medium Students of Banagram Village." Several of these students, along with club members who had actively contributed to the project, attended the workshop and were felicitated by Shri K.E.N. Raghavan and Project Instructor Dr. Shri Krishan Rai.

The workshop commenced with the ceremonial Deep Prajwalan, setting a formal tone for the proceedings. This was followed by the felicitation of guests on the dais and an introductory address by Dr. Shri Krishan Rai, Regional Coordinator, RCI-NIT Durgapur, who outlined the objectives of the programme and its relevance within the framework of Unnat Bharat Abhiyaan.

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