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**UNNAT BHARAT ABHIYAN**  
**2024-2025**

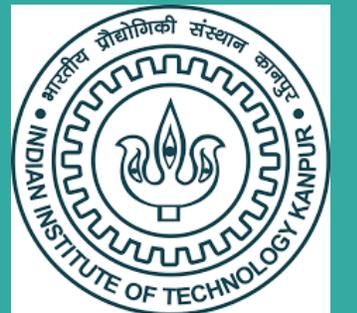


**उन्नत भारत अभियान**  
**UNNAT BHARAT ABHIYAN**

**April.01.2025**

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**Prof. Sandeep Sangal**  
**RCI Coordinator**  
**IIT Kanpur**



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Unnat Bharat Abhiyan IIT Kanpur (Regional Coordinating Institute) will carry out each program in the year 2024-25 with a good coordination with the Participating Institutes (PIs). IIT Delhi has played the role of a guide for the participating institutions by communicating the program outlined by the National Coordinating Institute (NCI) and providing facilitation and guidance to them. IIT Kanpur prepared the PIs to work effectively in their adopted villages and also suggested them to work in a sustainable manner in UBA by focusing on strong communication with the PIs, and encouraged to work on projects collaboratively. IIT Kanpur organized capacity building workshops, review meetings and knowledge-sharing sessions to strengthen grassroots engagement and rural development initiatives. The participating institutions worked on various socio-economic, technological and environmental interventions in the villages, in line with the vision of sustainable rural development of the Unnat Bharat Abhiyan. This collective effort promoted community development and the major activities conducted by RCI-PI are discussed in the following paragraphs.

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### **1- Agniveer Recruitment Public Awareness Campaign Program**

**Name of the Institute** – IIT Kanpur (Regional Coordinating Institute)

**AISHE Code** – (U-0517)

**Name of the Program** – Agniveer Recruitment Public Awareness Campaign Program

**Date** -24-July-2024 **Time** – 10:50 am to 12:10 pm

**Program Venue** – Ranjit Singh Rozi Education Center, IIT Kanpur

**Program Mode** – Online Meeting

**Program Objective** – To make students aware about Agniveer Recruitment Program and give information about the recruitment process.

**Program Details** – In the Agniveer Recruitment Public Awareness Campaign program, Wing Commander A Gunasekhar, Commanding Officer, 3 Airmen Selection Center, Kanpur, informed about the Agniveer Recruitment Public Awareness Campaign being run at Ranjit Singh Rozi

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Education Center, IIT Kanpur interacted with students of 12 secondary schools connected through Online Rural Education Initiative class. In the program awareness was created for recruitment of Agniveers in Navy, Army and Air Force.

He showed several films on the contribution of Agniveers in the Indian Army which the students watched with great enthusiasm.

He also threw light on the process of filling the application form of Agniveer. After that, a question-answer session was held in which curious students asked the speaker questions on recruitment criteria and related topics. Some children also asked questions about job prospects after Agniveer.

**How many faculty (professors) participated (number)** – 15 faculty

**How many students participated (number)** – 450 students

**Impact of the program** – A large number of students expressed their desire to take part in the Agniveer recruitment program and also encouraged their elder brothers and sisters to take part in the program.

**Schools that are connected online:**

- (1) Shri Ram Janaki Inter College, Bithoor (Kanpur)
- (2) Government Girls Inter College, Sarosha Bharosa (Lucknow)
- (3) Government Inter College, Husainabad (Lucknow)
- (4) Government Girls Inter College, Uda Devi Mal (Lucknow)
- (5) Government Inter College Pandit Deen Dayal Upadhyay (Lucknow)
- (6) Government High School, Baikunthpur (Kanpur)
- (7) Government Girls Inter College, Singhpur (Kanpur)
- (8) Government Girls Inter College, Champadevi (Gorakhpur)
- (9) Rajkumar Singh College, Atra Baberu (Banda)



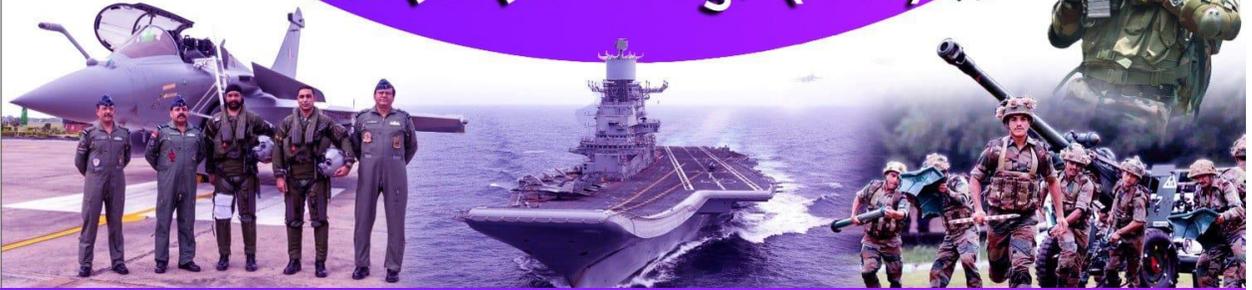
# उन्नत भारत अभियान



## अग्निवीर भर्ती जन जागरुकता अभियान

Speaker - Wing Commander A Gunashekhar,  
Commanding Officer,  
3 Airmen Selection Centre, Kanpur

### आईआईटी कानपुर (RCI)



24 JULY



Join us via Zoom  
10:50 am - 12:10 pm  
Meeting id- 99769592014  
Password - 808316



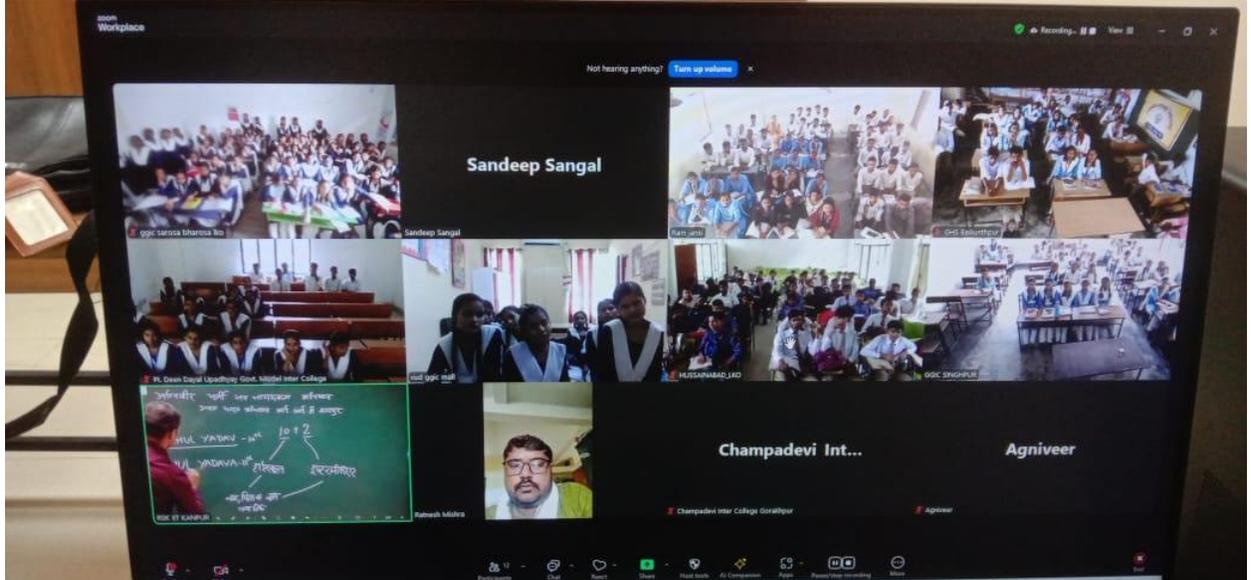
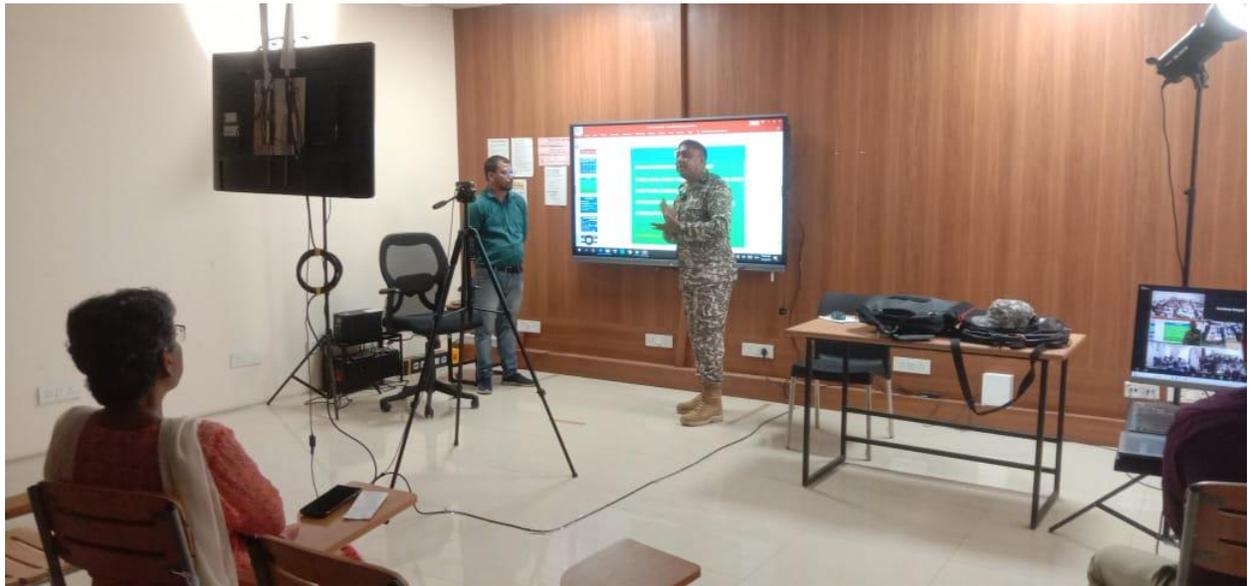
@rsklilk

Website  
<https://rsk.litk.ac.in>

Mail id  
[uba@litk.ac.in](mailto:uba@litk.ac.in)

Ranjit Singh Rozi Shiksha  
Kendra  
Block A Air Strip,  
IIT Kanpur,  
UP, 208016





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## 2- Tree Plantation: “One Tree in Mother’s Name”

**Institute Name** – IIT Kanpur (Regional Coordinating Institute)

**AISHE Code** – (U-0517)

**Date** – 15-August-2024

**Time** – From 08:00 AM to 02:00 PM

**Program Name** – Tree Plantation “One Tree in Mother’s Name” / Tiranga Rally / Painting Competition / Essay Writing Competition / Flag Hoisting Program

**Date of Information Dissemination to Participating Institutions** – 13-August-2024

**Mode of Information Dissemination to Participating Institutions** – Email

**Program Report Format** – Please fill the attached form:

<https://forms.gle/kUgNvoqKfRD4hXJa7>

### **IIT Kanpur (Regional Coordinating Institute)**

**Program Name** – Tree Plantation “One Tree in Mother’s Name” / Flag Hoisting Program

**Village Name** – Baikunthpur

**Block & District Name** – Kalyanpur, Kanpur Nagar

**Number of Faculty (Professors)** – 12

**Number of Students** – 150

**Number of Villagers** – 05

**Institution (NGO)** – Parivartan Forum

### **Program Description–**

IIT Kanpur (Regional Coordinating Institute) organized a flag hoisting ceremony at the Government High School in Baikunthpur, a village adopted under the Unnat Bharat Abhiyan. Following this, under the government scheme of Uttar Pradesh and IIT Delhi (National Coordinating Institute) Unnat Bharat Abhiyan’s *Haath Se Haath Milao - One Tree in Mother’s Name* campaign, Mrs. Rita Singh (Project Executive Officer) from IIT Kanpur (RCI) planted a tree inside the school premises. All the female teachers of the Government High School, Baikunthpur also participated in the plantation drive.

Under UBA, students who participated in the cultural program organized in the school were awarded. Additionally, the first OREI school library was inaugurated by donating Science and Math guidebooks for class 10 to the school principal, Mrs. Kiran. She was encouraged to initiate and operate this starter library and enable students to practice using it.

Mrs. Rita Singh (Project Executive Officer) interacted with the students and inspired them to strive for excellence in their village, city, state, nation, and themselves through education.

### **Participating Institutions –**

1. **Government Polytechnic Kursi Road Barabanki – S-15221**

**Program Name** – Tiranga Rally

**Village Name** – AMARSANDA

**Block & District Name** – NINDAURA, BARABANKI

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**Number of Faculty (Professors) – 03**

**Number of Students – 10**

**Number of Villagers – 08**

**Institution (Panchayati Department) – Gram Pradhan**

**Photos/Videos (Link) –**

<https://drive.google.com/open?id=1otFS5frvYcAsSN1UOnCj7IW3NWNrIe3Q>

**2. Pranveer Singh Institute of Technology, Kanpur – C-46844**

**Program Name – Tree Plantation “One Tree in Mother’s Name”**

**Village Name – Jamoo and Bhairampur**

**Block & District Name – Bidhanu**

**Number of Faculty (Professors) – 03**

**Number of Students – 04**

**Number of Villagers – 15**

**Photos/Videos (Links) –**

<https://drive.google.com/open?id=1XrUmw2-aFccLLMoXc3i3kLz1X16c0Vh3>

<https://drive.google.com/open?id=1aPs1UHK1RXRGudeB6vFBHgef9Tzwowbp>

**Tags:**

#unnatbharatabhiyan

#Ek\_Ped\_Maa\_Ke\_Naam

#Plant4Mother

#एक\_पेड़\_माँ\_के\_नाम

**Social Media:**

**PMO India**

Twitter – [@PMOIndia](https://twitter.com/PMOIndia)

Facebook – [facebook.com/PMOIndia](https://facebook.com/PMOIndia)

Ministry of Education

Twitter – [@EduMinOfIndia](https://twitter.com/EduMinOfIndia)

Facebook – [facebook.com/EduMinOfIndia](https://facebook.com/EduMinOfIndia)

Instagram – [@eduminofindia](https://instagram.com/eduminofindia)

Ministry of Environment, Forest and Climate Change

Twitter – [@moefcc](https://twitter.com/moefcc)

Facebook – [facebook.com/moefcc](https://facebook.com/moefcc)

Instagram – [moefccgoi](https://instagram.com/moefccgoi)

Unnat Bharat Abhiyan

Twitter – [@Unnatbharat\\_Tw](https://twitter.com/Unnatbharat_Tw)

Facebook – [facebook.com/unnatbharatabhiyaniitd](https://facebook.com/unnatbharatabhiyaniitd)

Instagram – [@unnatbharatabhiyan\\_uba](https://instagram.com/unnatbharatabhiyan_uba)

**RCI IIT Kanpur**

Twitter – [twitter.com/rskiitk](https://twitter.com/rskiitk)

Facebook – [facebook.com/ubaiitk](https://facebook.com/ubaiitk)

Instagram – [instagram.com/rskiitk](https://instagram.com/rskiitk)





### 3- National Space Day

**Institute Name** – IIT Kanpur (Regional Coordinating Institute)

**AISHE Code** – (U-0517)

**Program Name** – National Space Day

**Date** – 24-August-2024

**Time** – From 08:30 AM to 02:00 PM

**Program Venue** – Ranjit Singh Rozi Shiksha Kendra, IIT Kanpur

**School Names** –

1. G.I.C. Rania, Karsa
2. G.I.C. Bara

**District** – Kanpur Dehat

**Number of Participating Faculty (Professors)** – 10 Faculty Members

**Number of Participating Students** – 52 Students

**Objective of the Program** – Visit to IIT Kanpur and to provide students with information about space science and technology.

#### **Program Description** –

On the occasion of National Space Day, students from G.I.C. Rania, Karsa and G.I.C. Bara, Kanpur Dehat had a wonderful opportunity to visit IIT Kanpur and learn more about space science and technology. The students participated in an interactive session with several renowned scientists of the country in Lecture Hall-19. They also had a chance to interact with some space research teams.

In addition, Prof. Sandeep Sangal introduced the students to the Ranjit Singh Rozi Shiksha Kendra of IIT Kanpur. Under Unnat Bharat Abhiyan, Ms. Rita Singh (Project Executive Officer) gave a detailed explanation to the teachers about the skilling center running at the center. Prof. Shashank Shekhar showed the students and teachers the Online Rural Education Initiative (OREI) classes and explained about it.

#### **Program Impact** –

The students were inspired by this exciting program, which also served as a great way to spark their interest in the fields of space and engineering.

#### **Photos/Videos (Link)** –

<https://youtu.be/sHxp8RIwjDc>







#### 4- Gram Panchayat Sabha

**IIT Kanpur (Regional Coordinating Institute)**

**Program Name – Gram Panchayat Sabha**

**Date – 02-October-2024**

**Number of Participating Institutions – 14**

**Number of Participating Faculty (Professors) – 12 Faculty Members**

**Number of Participating Students – 60 Students**

**Number of Participating Districts – 07**

**Number of Participating Villagers – 800–1000**

**Objective of the Program –** To organize Gram Panchayat Sabhas with the presence of all regional participating institutions under Unnat Bharat Abhiyan and student volunteers from these institutions.

**Program Organizer –** IIT Delhi (National Coordinating Institute), Unnat Bharat Abhiyan  
**Supporting Organization (Government/Non-Government) –** Ministry of Panchayati Raj, Government of India

**Collaborating Organization (Government/Non-Government) –** Panchayati Raj Department, Government of Uttar Pradesh

**Contact Details of Officials from the Collaborating Panchayati Raj Department –**

1. Sunita Singh – 9415444687 – Panchayati Raj Department, Lucknow
2. Manoj Kumar – 9899030568 – DPRO, Kanpur
3. Himanshu Saxena – 7275447067 – DPM, Kanpur

**Official Letters Issued by Collaborating Departments –**

1. D.O No.11015/312/2016-CB dated 23.09.2024 – Ministry of Panchayati Raj, Government of India
2. State/UT RGSA Nodal (SPM)
3. /5/694/2024 – RGSA/13/2018 dated 30.09.2024 – Panchayati Raj, U.P., Lucknow
4. List of Deputy Directors (Panchayati Raj) / District Panchayat Raj Officers' Appointments / Contact Numbers

**A copy of the attendance details of students from all participating districts is attached.**

**Seth Badri Prasad Smriti Mahavidyalaya, District Jalaun  
Gram Panchayat – Higuta, Chaumd, Kudra Khurd**



**Bundelkhand Institute of Engineering and Technology, Jhansi  
Gram Panchayat – Mustara**



**Dr. Ambedkar Institute of Technology for Handicapped, Kanpur  
Gram Panchayat- Bania Purwa**



**Brahmanand Degree College, Kanpur  
Gram Panchayat – Tari Pathakpur**



**C.S.J.M. University, Kanpur  
Gram Panchayat – Fatehpur**



**IIT Kanpur  
Gram Panchayat- Hridayapur**



**Government Polytechnic Kanpur  
Gram Panchayat- Singhpur**



**Dr. Ram Manohar Lohia National Law University, Lucknow  
Gram Panchayat – Pyarepur**



**Saraswati Dental College and Hospital, Lucknow  
Gram Panchayat- Juggaur**



CSM Degree College Narayan Kheda, Chitrakoot  
Gram Panchayat- Bandha



**Allahabad College of Engineering and Management Puran Khaga Fatehpur  
Gram Panchayat- Puran**



Government Engineering College, Kannauj  
Gram Panchayat – Aher



# कानपुर आईआईटीयंस ने सीखा ग्राम पंचायतों का विकास कार्य

कानपुर (नगर संवाद)। भारत सरकार के 23 सितंबर के एडवाइजरी के द्वारा 2 अक्टूबर दिन बुद्धवार को कानपुर नगर अंतर्गत ग्राम पंचायत हृदयपुर में आयोजित ग्राम सभा की विशेष बैठक में कानपुर आईआईटी के प्रथम वर्ष के छात्र - छात्राओं ने बढ़ चढ़ कर हिस्सा लिया। ग्राम सभा की इस विशेष बैठक में वित्तीय वर्ष 2025-26 में ग्राम को महिला हितैषी थीम के अंतर्गत कराए जाने वाले प्रस्तावित कार्यों पर ग्राम सदस्यों, ग्राम प्रधान तथा ग्राम सचिव द्वारा चर्चा करते हुए रणनीति बनाई गई। आईआईटी फैकल्टी से आई श्रीमती रीता सिंह ने बताया कि आईआईटी द्वारा निशुल्क 35 दिनों का सिलाई एवं मिट्टी उत्पादों पर चित्रकारी कलाकारी पर कोर्स कराया जा रहा



है, जिससे गांव की महिलाएं बढ़ चढ़ कर हिस्सा ले सकती हैं। श्रीमती सिंह द्वारा यह भी बताया गया कि उस कोर्स को करने के बाद महिलाएं प्रतिमाह 10000 से 15000 रुपये प्रतिमाह कमा सकती हैं। ग्राम पंचायत की इस विशेष बैठक में

कानपुर आईआईटी फैकल्टी से अंकित सिंह, जनपद स्तर पर तैनात जिला परियोजना प्रबंधक हिमांशु सक्सेना, श्रीमती शैफाली, ग्राम सचिव सत्येन्द्र सोनकर, ग्राम प्रधान रूपराम एवम् पंचायत सहायक आकृति गौतम मौजूद रही।

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**Institute Name** – IIT Kanpur (Regional Coordinating Institute)

**AISHE Code** – (U-0517)

**Date** – 01-March-2025

**Time** – From 09:00 AM to 04:00 PM

**Workshop Name** – Unnati Utsav 2025 - Brainstorming Orientation Session

**Date of Notification to Participating Institutions** – 21-February-2025

**Mode of Notification** – Email, WhatsApp

**Workshop Registration Google Form** – Link: <https://forms.gle/WSRU94axz1EFBDVa6>

**Workshop Sessions** –

- Talk Session (Topic 1 – Rural Transformation, Topic 2 – Women Empowerment) – 8 minutes per participant
- Orientation Session
- Roundtable Discussion
- Exhibition

**Total Participating Institutions** – 25

**Number of Faculty (Professors)** – 38

**Program Description** –

On March 1, the Regional Coordinating Institute, IIT Kanpur, organized Unnat Bharat Abhiyan 2025 at the Ranjit Singh Rozi Shiksha Kendra, where 25 institutions from across Uttar Pradesh participated. The theme of the event was brainstorming and orientation, and participating institutions contributed actively to discussions.

Prof. Sudhanshu welcomed all participants with an inspiring note and encouraged them to engage actively with the Unnat Bharat Abhiyan. He emphasized how this initiative can uplift society and highlighted the importance of contributing to various aspects of rural development.

The chief guest, Prof. Sadhana Singh, former principal of Dayanand Girls Post Graduate College, Kanpur, inaugurated the event as the keynote speaker. In her address, she underscored the importance of bridging the urban-rural divide and shared her experiences contributing to rural development. She spoke about spreading awareness in rural communities regarding water resources, women's empowerment, and sanitation.

Dr. Pradeep Kumar Singh, Project Director, Unnat Bharat Abhiyan, IIT Delhi (National Coordinating Institute), also joined via ZOOM and addressed the gathering. He explained how institutions can contribute to the success of UBA and emphasized that its success depends on the active involvement of all institutions, each contributing through their respective expertise. He discussed government efforts to include more institutions and shared data on the initiative's progress and impact.

Over 10 participants presented their work on rural transformation and women empowerment.

**Highlights of Presentations:**

- 
- Dr. Jitendra K.R. Babeley, Bundelkhand University, shared details about a two-day awareness, training, and farmer honor program under UBA, focusing on rural development and empowerment through various government schemes. These schemes, aimed at improving rural lives, were presented by academic and institutional organizations.

Government Scheme Coverage Included:

1. PM Ujjwala Yojana
  2. PM Awas Yojana
  3. Crop Insurance Scheme
  4. Agricultural Irrigation Scheme
  5. Jan Aushadhi Scheme
  6. Swachh Bharat Mission Toilets
  7. Soil Health Card
  8. Kisan Credit Card
- Dr. Pallavi, Saraswati Dental College, Lucknow, highlighted oral hygiene and other health issues in rural areas.
  - Dr. Sudha, CSM Degree College, Karwi Chitrakoot, discussed the role of Zero Budget Natural Farming (ZBNF) in rural transformation, promoting sustainable, eco-friendly, and low-cost farming methods to reduce dependency on chemical fertilizers and pesticides.
  - Gyanendra Kumar Saxena, Maharana Pratap College of Pharmacy, Kanpur, focused on health, education, and community welfare. His college ran awareness campaigns on nutrition, health, and sanitation. They distributed basic first aid kits and conducted emergency preparedness sessions in rural areas. He emphasized emotional well-being techniques like mindfulness and relaxation for children.
  - Dr. Sandeep Yadav, Bundelkhand Institute of Engineering and Technology (BIET), Jhansi, organized workshops and short-term courses on sustainable energy and water use for students and volunteers under UBA 2.0. He also discussed health, hygiene, and women's empowerment with rural women and girls. BIET students initiated "Shakti Education and Welfare Association (NGO)" to support underprivileged students. They also showcased a free modern library opened in rural areas for children's benefit.

After the presentations, Dr. Arti Singh, National Head of FICCI FLO Startups, inaugurated the UBA Exhibition segment. In this segment, various artisans showcased their work and products.

**Dignitaries Present at the Event Included:**

- Prof. Sandeep Sangal
- Prof. Sudhanshu Shekhar Singh
- Prof. Ram Kumar

A roundtable discussion was held between participants from Bundelkhand, Chitrakoot, Banda, Mahoba, and the RSK IIT Kanpur team.

It included:

- Mrs. Rita Singh (Project Executive Officer)
- Dr. Monika Thakur (Coordinator, Design Development Centre)

The RSK team discussed working with participants to promote ODOP (One District, One Product) items and support self-help groups.

During the discussion, a sensor-based dustbin model, developed by rural youth from Mahoaba's participating institution, was presented.

### **RCI IIT Kanpur Social Media:**

Twitter – <https://twitter.com/rskiitk>

Facebook – <https://www.facebook.com/ubaiitk>

Instagram – <https://www.instagram.com/rskiitk/>



**Lighting of lamp**



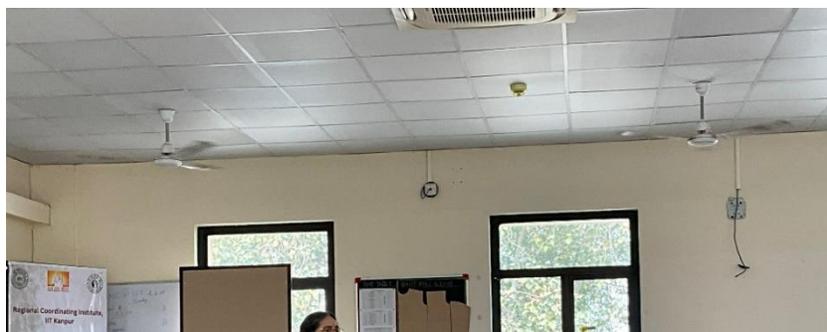
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**Prof. Sudhanshu Shekhar Singh welcoming all the participating institutions and guests.**



**Mrs. Rita Singh (Project Executive Officer) Regional Coordination Institute IIT Kanpur**

**Addressing the participating institutions in the orientation session.**



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**Chief Guest- Prof. Sadhana Singh Ji (Former Principal) - Dayanand Girls Post Graduate College, Kanpur**  
**Inaugurated the program as the keynote speaker.**



**Coordinator: Dr. Pallavi Singh, Professor and Head, Department of Public Health Dentistry**  
**Institution: Saraswati Dental College, Lucknow**

**Villages adopted under UBA:**

1. Uttardhauna

- 
2. Papnamau
  3. Sarathra
  4. Dhawa
  5. Juggaur

### **Health Services Provided in the Villages**

Dr. Pallavi stated that her department provides a range of services including:

- Basic hygiene
- Menstrual hygiene
- Breastfeeding awareness
- COVID-related awareness programs
- Vaccination
- General health check-ups
- Oral health check-ups
- Tobacco-related disease awareness
- Environment and health
- Identification of drinking water sources for the native population
- Nutrition
- Free distribution of medicines
- Sanitation kits
- Educational pamphlets

### **Benefits to the Villages –**

- Awareness about various diseases
- Motivation towards better health
- Direct interaction between doctor and patient
- Identification and reporting of tobacco-related illnesses to the institution, followed by informing the patient
- Health-related discussions in village schools, which led to increased awareness among students



**Dr. Sudha Singh - CSM Degree College, Karvi, Chitrakoot**

### **Definition of Zero Budget Natural Farming (ZBNF):**

Dr. Sudha Singh explained that Zero Budget Natural Farming (ZBNF), popularized by Padma Shri awardee and farmer from Maharashtra, Subhash Palekar, refers to the process of growing crops without using chemical fertilizers, pesticides, or any other external inputs.

She mentioned that, as the term suggests, *Zero Budget Natural Farming* implies zero investment in farming. Natural farming uses things that are naturally available in the environment.

Everything a plant needs for its growth is available around its root zone. Our soil is rich and full of nutrients—plants absorb only 1.5 to 2.0% of nutrients from the soil, while the remaining 98 to 98.5% are derived from air, water, and solar energy.

Farmers use locally available, low-cost natural mixtures, inoculums, and decoctions made from cow dung, cow urine, jaggery, neem, green chili, and many other natural ingredients. There is no use of chemical fertilizers or pesticides, only natural inputs for agriculture, reducing costs and market dependency.

### **Importance of ZBNF in Rural Transformation – Economic Benefits:**

1. Reduces farming costs by eliminating the need for chemical inputs
2. Increases farmers' income through sustainable practices
3. Environmental benefits
4. Improves soil fertility and biodiversity
5. Reduces pollution and conserves water

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Core Principles of ZBNF:

1. Bijamrit (Seed Treatment)
  - A seed treatment solution to protect seeds from diseases
2. Jeevamrit (Microbial Culture)
  - A microbial culture made from cow dung, cow urine, and other natural ingredients
3. Ghanjeevamrit (Solid Jeevamrit)

Pest Management Techniques:

- Agniastra, Neemastra, Brahmastra

Technological Advantages:

- Zero Investment
- No chemical fertilizers or pesticides; only natural inputs for farming, reducing costs and market dependence
- Higher Quality Yield
  - ZBNF methods make land more fertile and productive, resulting in better quality produce and higher returns.



**Dr. Jitendra**

**Undelkhand**

Dr. Jitendra K.R. Babele elaborated on the vision, mission, and objectives of the Unnat Bharat Abhiyan (UBA). He explained that UBA is inspired by the vision of bringing transformative changes in the rural development process by leveraging the knowledge institutions to help build the architecture of an inclusive India. Discussing the mission of UBA, he shared that the initiative aims to enable higher education institutions to work with the people of rural India to identify development challenges and devise appropriate solutions to accelerate sustainable growth. Its objective is to create a virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions and upgrading the capabilities of both public and private sectors in response to the development needs of rural India.

Objectives:

- To build an understanding of the development agenda within higher educational institutions, enhance institutional capacity, and provide training relevant to national needs.
- To reemphasize the importance of fieldwork, stakeholder engagement, and designing social objectives as the foundation of higher education.
- To emphasize rigorous reporting and meaningful outcomes as central to developing new enterprises.
- To provide rural India and regional agencies access to the professional resources of higher education institutions.
- To improve development outcomes as a result of research.



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**Dr. Sudeep Yadav (Coordinator) “Shakti Education and Welfare Association (NGO)”**  
**Bundelkhand Institute of Engineering and Technology, Jhansi**

Dr. Sudip shared that under the Unnat Bharat Abhiyan, BIET Jhansi is working towards the development of the following villages: Mustara, Pahalgawan, Rampura, Daun, and Takori. The UBA team of the institute visited these villages and interacted with students, women, farmers, and local authorities. Common issues identified included drinking water, learning facilities, sanitation, unbalanced use of energy, women's labor, and misconceptions rooted in social customs.

Ongoing/Proposed Activities: Dr. Sudip informed that the UBA team organized various activities to create awareness among villagers about current events and environmental issues. Rural students were appreciated with awards for their performance. Regular workshops and short-term courses were held to raise awareness among UBA volunteers on sustainable energy and water usage. General discussions with women and girls were organized to promote awareness about women's empowerment, health, hygiene, and to dispel social misconceptions. An initiative by volunteers from Bundelkhand Institute of Engineering and Technology, Jhansi, "Shakti Shiksha evam Kalyan Sangh (NGO)," is working alongside UBA for the welfare of underprivileged students. Modern classrooms with advanced facilities have been implemented for the betterment of students, teachers, and local residents.



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**Prof. Shamil C.B. (Principal)**

**Mrs. Rita Singh (Project Executive Officer)**

**Shri Ram Murti Smarak College of Nursing and Paramedical Sciences, Unnao**

Adopted Villages:

1. Gaura-Katherua,
2. Muhari,
3. Bichpari,
4. Himmat Garh,
5. Raipur Khelemau

Health Camps and Surveys: Prof. C.B. informed that a comprehensive health survey and camp were conducted to assess the health status of the population. Key findings included:

- High prevalence of chronic diseases such as diabetes and hypertension.
- Common infectious diseases reported included tuberculosis and hepatitis.
- Lack of awareness about menstrual hygiene and urinary tract infections.
- As a result, affected individuals were provided with preventive healthcare awareness sessions, medical consultations, and treatments.

Health Education Sessions: Educational sessions were conducted to improve public knowledge on major health issues, including: Chronic Diseases: Diabetes, Hypertension, Cancer Communicable and Vector-borne Diseases: Tuberculosis, Hepatitis, Whooping Cough, Malaria, Dengue



**Durgesh Pratap (Lecturer Electronics), Government Women Polytechnic Charkhari, Mahoba**

### **Smart Dustbin:**

**Project Highlight:** Smart Dustbin The project demonstrates how to build a smart dustbin for home and office use, which proved particularly useful during COVID-19. As the name suggests, it is an automatic dustbin that opens automatically with the help of a motor when someone approaches. Sensors detect the presence of objects in front of the bin. It is a great Arduino-based project and works like other smart devices. This gadget is helpful in keeping homes clean, especially with children who tend to create messes using paper, wrappers, etc. (Children can be sensitized to waste management through games.) This project uses one ultrasonic sensor, a motor, and an Arduino Uno. The lid opens automatically when a person comes near and closes when they walk away.



**Dr. Anurag Tiwari, Pranveer Singh Institute of Technology, Kanpur**

**Smart Light Project** - UBA SEG Sponsored Dr. Anurag Tiwari shared details of the site inspection and village selection for the smart light project under SEG in the adopted village of Jamu. Date: 30-07-2024 A meeting was held in the village to discuss the implementation of the smart light project, emphasizing its benefits and utility such as enhanced security, reduced energy consumption, and improved overall quality of life. The installation process was discussed in detail to ensure alignment with villagers' needs and priorities. The meeting also included site selection and inspection for optimal light placement. Village head, residents, UBA institutional coordinator, investigators, and students were present.

**Installation:** Date: 20-02-2025 Under the SEG Infrastructure Project of UBA, a smart light was successfully installed in Jamu village as part of the technology adaptation initiative. The village head, project coordinator, students, and several residents were present during the installation. The smart light features automatic brightness adjustment and motion sensors to ensure low power consumption and enhanced safety.



Baholpur, Uttar Pradesh, India  
 86301 BMT Baholpur, Baholpur, Mandhana, Uttar Pradesh 209217, India  
 Lat 26.644948°  
 Long 80.221757°  
 26/10/24 01:47 PM GMT +05:30



Kukradev, Uttar Pradesh, India  
 86301 BMT Baghudi Bager, Kukradev, Mandhana, Uttar Pradesh 209217, India  
 Lat 26.652066°  
 Long 80.227541°  
 26/10/24 12:36 PM GMT +05:30

**Gyanendra Kumar Saxena, UBA Coordinator**  
**Maharana Pratap College of Pharmacy Mandhana, Kanpur**

**UBA Villages:** 1. Parghai, 2. Naramau, 3. Bagdaudi, 4. Hora Kachar, 5. Kursauli

1. Health and Hygiene Awareness Campaign
  - Health education sessions on proper handwashing, dental care, and personal hygiene conducted by college staff and students.
  - Hygiene kits distributed containing soap, toothbrush, toothpaste, and basic health items.
  - Workshops on disease prevention through lifestyle changes and environmental hygiene, focusing on flu, malaria, and dengue.
2. Nutrition Awareness Program
  - Nutrition classes covering balanced diet, affordable healthy food options, and child nutrition.
  - Food distribution drives offering nutritious meals or supplements to undernourished children.
3. Basic First Aid and Emergency Preparedness
  - First aid training sessions on treating cuts, burns, sprains, etc. for teachers, students, and community members conducted by pharmacy students.
  - Distribution of basic first aid kits to schools and households to manage minor injuries.
4. Mental Health Awareness Programs
  - Stress management workshops with simple techniques for children such as relaxation, meditation, and mindfulness.
5. Environmental Awareness and Cleanliness Drives
  - Cleanliness drives in schools and surrounding areas involving students, teachers, and local residents.
  - Tree plantation campaigns to encourage environmental protection.
  - Waste segregation workshops to educate students and families about recycling and reuse, with distribution of eco-friendly reusable bags.



**Dr. Amandeep Singh, UBA Coordinator,**  
**Dr. Ram Manohar Lohia National Law University, Lucknow.**

Dr. Ram Manohar Lohiya National Law University, Lucknow Dr. Aman Deep Singh shared that under the guidance of Prof. Sandeep Sangal (Regional Coordinator-UBA, IIT Kanpur) and Prof. Amar Pal Singh (Vice Chancellor, RMLNLU), the Unnat Bharat Abhiyan was inaugurated on 19th September 2024 at RMLNLU, Lucknow. This is a major initiative by the Ministry of Education aimed at holistic socio-economic transformation in rural India. Under this initiative, efforts are being made to ensure the availability of basic services, legal aid, and other necessary resources in villages.

The university's Legal Aid and Seminar Committees have adopted five major villages in Sarojini Nagar Tehsil of Lucknow: Pyarepur, Khurrampur, Samda Kheda, Palenheda, and Dhighiya. UBA-RMLNLU will operate in these villages. According to Dr. Aman Deep Singh, the faculty coordinator of UBA at RMLNLU, the primary goal of the campaign is to empower rural communities and equip them with basic amenities to promote self-reliance. He and his student team are working diligently to achieve this mission.

Activities conducted so far:

- A legal aid camp addressing issues related to land revenue, basic education, pensions, Aadhaar cards, ration cards, water, sanitation, and health was organized under the leadership of Dr. Aman Deep Singh and UBA volunteers.
- Five student teams were formed each aligned with one of the five core themes of UBA.
- Participation in a special Gram Sabha held in Pyarepur village where discussions on entrepreneurship and skill development were conducted with Radhika SHG members, supported by village secretary Priyanka Gupta.
- A Basic Life Support (BLS) training session was successfully organized in collaboration with Apollo Hospitals, Lucknow, under the Apollo Medics Mission 76 CPR initiative and the UBA program.



**Round Table Discussion**



**Dr. Aarti Singh, National Head, FICCI FLO Startups inaugurated the Unnat Bharat Abhiyan demonstration segment of the programme.**



