





उन्नत भारत अभियान 2.0 UNNAT BHARAT ABHIYAAN 2.0

A Program of
Department of Higher Education
Ministry of Human Resource Development
Government of India

Participating Institute (PI)



Mahatma Gandhi Mission's

College of Engineering, Nanded- 431605

Maharashtra

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Introduction

Envisioned by Mahatma Gandhi in his seminal work, 'Hind Swaraj,' the Western developmental paradigm, grounded in centralized technologies and urbanization, has engendered pressing challenges such as burgeoning inequality (resulting in crime and violence) and climate change due to rapid ecological degradation. Addressing these issues requires the fostering of rural development in harmony with Gandhi's vision of self-sufficient 'village republics,' utilizing local resources and deploying decentralized, eco-friendly technologies. This approach aims to locally meet essential needs like food, clothing, shelter, sanitation, healthcare, energy, livelihood, transportation, and education.

This comprehensive vision for village development is paramount. population Currently, 70% of India's resides in rural predominantly engaged in an agrarian economy. Despite agriculture and allied sectors employing 51% of the total workforce, their contribution to the country's GDP is a mere 17%. Profound developmental disparities persist between rural and urban sectors, spanning health, education, incomes, basic amenities, and employment opportunities, precipitating widespread discontent and substantial migration to urban centers. The imperative of sustainable development, increasingly acknowledged on a global scale, necessitates eco-friendly rural development and the creation of local employment opportunities. Historically, professional higher education institutions have predominantly catered to the mainstream industrial sector, offering limited direct contributions to rural development. The Unnat Bharat Abhiyan (UBA) emerges as a vital and challenging initiative in steering towards comprehensive rural development.

Vision & Mission of Unnat Bharat Activity

Vision

Unnat Bharat Abhiyan is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India and to have a paradigm shift in academic and research programs of the country.

Mission

- 1. Develop the necessary mechanism and proper coordination among educational institutions, implementation agencies (District administration / Panchayati Raj Institutions) and the grassroots level stakeholders to enable effective intervention at the field level.
- 2. Select suitable rural clusters and effectively participate in the holistic development of these clusters using eco-friendly sustainable technologies and local resources creating sufficient employment opportunities in the process, harnessing multifarious government schemes, customised use of existing technologies and use of knowledge as per the local needs.
- 3. Reorienting the academic curricula and research programs in higher educational institutions to make them more responsive to the needs of the time and to bring in holistic development and enrich knowledge of students about issues of villages/society.

Objectives

- To engage the faculty and students of Higher Educational Institutions in understanding rural realities.
- To identify & select existing innovative technologies, enable customisation of technologies, or devise implementation methods for innovative solutions, as per the local needs.
- To leverage the knowledge base of the educational institutions for effective implementation of various government programmes.

Summary of Unnat Bharat Activity

Sr No	Activity	Date	No of student Participated
1	Plastic Free village	18 th & 19 th	60
		2019	
2	Village & Household Survey	18 th & 19 th	60
		2019	
3	Student Solar Ambessedor workshop	2 nd Oct 2019	450
4	Video making compition on Covid 19	18 th June	25
	precaustion	2021	
5	Visit to Krishi Vidnyan Kendra		12
6	Participation in Knowledge college	23 rd Aug 2023	25
	village programe		
7	Participation in Gram Sabha	26 th Jan 2024	25

Awards & Recognition of Unnat Bharat Activity

- 1. Student got 1st & 3rd prize at Regional level in Video competition of Covid 19 Precaution awareness
- 2. Recognition of work from Adopted Villages
- 3. Recognition from IIT Delhi National coordination Institute of UBA
- 4. Selected in Knowledge college village Scheme

A) Details of UBA Cell of M. G. M.'s College of Engineering, Nanded

- 1. **Head of the Institution** Dr. Mrs. Geeta Lathkar
- 2. UBA Coordinator- Mr. R. R. Alurwad

Mr R R Sharma

- 3. Departmental UBA Coordinators
 - a) Mechanical Department –
 - b) Electronics and Telecommunication –
 - c) Civil Department
 - d) Information Technology Department
 - e) Computer Department
 - f) Applied science department
 - Total Number of Staff: 10
 - **Total Number of Students Involved: 60**

B) Adopted Villages by institute

- 1) Wadavana , Tq. Nanded Dist Nanded.
- 2) Khadki, Tq. Nanded Dist Nanded.
- 3) Sayal, Tq. Nanded Dist Nanded.
- 4) Aalegaon, Tq. Nanded Dist Nanded.
- 5) Pimpri Mahipal, Tq. Nanded Dist Nanded.

C) Fund Received

Received the fund from Central government – Rs. 50,000/-

- I) Dr. J. K. Sawale.
- I) Mr. V. S. Jadhav.
- II) Mr. D. J. Tuptewar.
- I) Mr. R.R. Alurwad.
- II) Mr. R. R. Sharma.
- I) Mr. S. P. Bandewar.
- II) Mr. R. S. Yadav.
- I) Mr. M. R. Chennoji.
- II) Mr. M. N. Bandhare.
- i) Mr. Mohd. Iqbal

Activity Report 1

 Name of Activity: Household survey and village survey for all adopted villages

Participation of Faculty & students

1) No of faculty: 10 2) No of Students: 60

3) Date of visit: 18th & 19th Sept 2019

• Name of Villages visited

1) Wadavana 2) Khadki 3) Sayal 4) Aalegaon 5) Pimpri Mahipal

Objectives

- 1) Conduct household survey and collect information of Household, family member, information of government schemes, source of water & energy, landholding information, agricultural production information and livestock number etc.
- 2) Discuss major problems with villagers.
- 3) Sensitize the students about real life problem in villages
- 4) Analyze the information & provide appropriate suggestions to village authorities

Problem Identification

- 1) Road in villages are not good
- 2) Drainage system is improper
- 3) Portable water supply is available at only 4 to 5 location in villages
- 4) Garbage deposition is randomly in villages
- 5) There problem of wild boars in agricultural field which damage the crop

Problem analysis

- 1) Village road are damaged due to open side drain. The water percolate below & above the road which damages the road.
- 2) There are open drains in mud. These drains are not interconnected & without proper slope.
- 3) The portable facility is available at few places. Villager required more time & effort to carry this water to their house.
- 4) Garbage deposition is randomly at many places because there is not garbage collection dustbin and garbage deposition system which increase the risk of spread of many diseases.
- 5) The wild boars enter in agricultural field and damage the crop. As the agricultural field are open without fencing.

Solutions Suggested

- 1) Road problem Construct concrete road with side drain channel
- 2) Drainage problem Construct closed drainage system with interconnected to each other with proper slope
- 3) Portable water problem Suggested constructing elevated water tank & pipeline to each household to supply portable water to each household.
- 4) Garbage problem Suggested Ghanta Gadi to collect garbage waste collection to each household every day. Deposit this waste in barren land away from village.
- 5) Wild boar problem Suggested farmers to do solar fencing or install noise making instruments in farm. This keep wild boars away from agricultural field

Outcome

- 1) Major problems in villages are discussed with sarpanch. He assured to resolve those issues.
- 2) Students collected information & analyzed the data.
- 3) Student get sensitized with real life problems in villages
- 4) Students identified the root causes of various problem
- 5) Students are able to provide solution to various problems.

Photo Gallery

Household and Village Survey



Image -1 Student conducting household survey in pimpri mahipal village



Image -2 Students conducting household survey in Alegaon village





Image -3 Students conducting household survey in Khadki village



Image -4 Groups of students participated in Household & village survey

Activity Report 2

Name of Activity: Plastic Free Village Campaign

• Participation of Faculty & students

No of faculty: 10
 No of Students: 60

3) Date of visit: 18th & 19th Sept 2019

• Name of Villages visited

1) Wadavana 2) Khadki 3) Sayal 4) Aalegaon 5) Pimpri Mahipal

Objectives

- 1) Sensitize the villagers about impact of use of plastic on environment
- 2) Awareness & promotion of use of cloth bags
- 3) Collect the plastic waste from all household of village & give it for recycling purpose
- 4) To make awareness in school children

Impact

- 1) Villagers get sensitized about Environmental impact of plastic use
- 2) Villagers are & children are started using cloth bags
- 3) Student addressed the environmental issue & health hazard of human as well as animals
- 4) This activity helps to reduce soil degradation

Plastic Free Village Campaign in all 5 adopted Villages



Participation of Students & staff in awarenss rally in Khadki village





Student collected plastic from Aalegaon village



Student collecting plastic from Wadavan village



Collected plastic from Pimpri Mahipal village



Collected plastic from Sayal village village



Student & faculty participation in Plastic free Village Campaign



Awareness program in school children

Activity 3

Conducted Student Solar ambassador Workshop 2019

In the wake of energy sustainability and mitigating climate change, the idea of energy swaraj conceptualized. Gandhi Global solar Yatra is planned by IIT Bombay to sensitize the young mind towards solar energy and dire consequences of climate change. The young generation, who will bear the maximum burden of climate change, has to be an integral part of this clean energy revolution and energy swaraj.

The students solar ambassador workshop is being organized by IIT Bombay on 2nd Oct 2019, making the 150th Birth Anniversary of Mahatma Gandhi wherein hand on training will be given to students to make their own solar study lamp.

As per the invitation from UBA, Institute conducted the "Student Solar Ambassador" workshop in college on 2nd Oct 2019. In this event student assembled the solar study lamp. The Master trainer for every 25 students is appointed, and for 450 students total 20 Master trainer were appointed, who given the Hand on Training to the Participant on 2nd Oct 2019. These Master trainers took the online training on IIT Bombay Web Portal.

- 1) No of students Registered and participated: 450
- 2) No of Trainers for giving the Hands on Training of assembling the solar lamp 20
- 3) 20 Trainers took the online training on IIT Bombay portal.

Objective:-

- 1) Education about solar Technologies
- 2) Hands on training in solar lamp assembly
- 3) Education about climate change & is effect
- 4) Global recognition by being a part of this endeavor

Impact:-

- 1) Sensitize the student reasons of climate change & its effect.
- 2) Students got Hands on training of solar lamp assembly.
- 3) Students get educated about solar technologies.
- 4) Institute faculty trained by IITB as a "Master Trainer"

Photo Gallery of Student Solar Ambassador Workshop- 02nd Oct 2019



Group Photo after making Solar Lamp



Group Photo after making Solar Lamp



Group Photo after making Solar Lamp



Group Photo after with trainer and student

सकाक

एमजीएम'मध्ये 'सोलर ॲम्बेसेडर' कार्यशाळा

नांदेड, ता. १८ (बातमीदार) ः गांधी ग्लोबल सोलार यात्रेअंतर्गत विद्यार्थ्यांसाठी सोलार राजदत कार्यशाळा १५० व्या गांधी जयंतीनिमित्त १८० देशांमधील विविध महाविद्यालयांत आयोजित करण्यात आली. भारतात ही कार्यशाळा विविध अभियांत्रिकी महाविद्यालयात एकाच वेळी आयोजित करण्यात आली. कार्यशाळेचा उद्देश पर्यावरणाला बाधा न येऊ देता उर्जा निर्माण करणे आणि ती वापरणे, पुढील पिढीला स्वच्छ वातावरण निर्माण करून देणे, वातावरणात चांगला बदल घडवून आणणे, तसेच दहा लाख विद्यार्थ्यांना अध्यासासाठी सोलर लॅम्प तयार करण्याचे प्रशिक्षण देणे हा होता. आयआयटी मुंबईच्या सहकार्याने सदर कार्यशाळेचे आयोजन करण्यात आले होते.

सदर कार्यशाळेचे उद्घाटक 'एमजीएम'चे अध्यक्ष कमलकिशोर कदम, सचिव अंकुशराव कदम आणि उपाध्यक्ष पी. एम. जाधव यांनी केले. या वेळी महाविद्यालयाच्या संचालिका



नांदेड : 'एमजीएम'मध्ये 'सोलर ॲम्बेसेडर' कार्यशाळा पार पडली.

पर्यावरण संवर्धनास प्रोत्साहन

'एमजीएम' अभियांत्रिकी महाविद्यालय पर्यावरण संवर्धन कार्यक्रमाना नेहमी प्रोत्साहन देते. एक सोलार लॅमप तयार करण्यासाठी पाचशे रुपये खर्च अपेक्षित होता. महाविद्यालयाच्या संचालिका गीता लाठकर यांनी पर्यावरण संवर्धनाचे महत्त्व ओळखून यातील ४० टक्के खर्च महाविद्यालयातर्फे विद्यार्थ्यांना देण्याचे ठरविले. याला प्रतिसाद म्हणून एकुण ४५० विद्यार्थ्यांनी या कार्यशाळेत भाग घेतला आणि ४५० सोलर स्टडी लॅम्प तयार केले.

आयोजनाची भूमिका विस्ताराने सांगितली आणि विद्यार्थ्यांना

डॉ. गीता लाठकर यांनी कार्यशाळा मार्गदर्शन केले. उपप्राचार्य डॉ. एस. एल. कोटगिरे, डॉ. अर्चना राजूरकर, डॉ. महेश हरकरे, डॉ.

Nanded, Nanded-Today 19/10/2019 Page No. 2

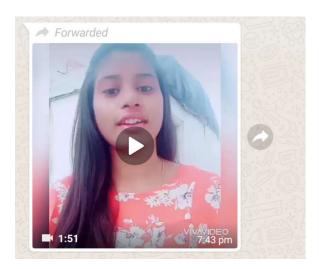
कल्पना जोंधळे, प्रो. पंडितराव शिंपाळे, प्रो. हाश्मी, डॉ. सुलभा दाचावार कार्यशाळेचे समन्वयक म्हणून प्रा. राजेश्वर आलूरवाड रेड्डी यांची या वेळी उपस्थिती होती. सदर कार्यशाळेसाठी महाविद्यालयातील २० शिक्षकांनी आयआयटी मुंबईकडून सोलर लॅम्प तयार तयार करण्याचे ऑनलाइन प्रशिक्षण घेतले. ता. दोन ऑक्टोबरला या शिक्षकांनी ४५० विद्यार्थ्यांना महाविद्यालयात प्रशिक्षण दिले. कार्यशाळेच्या यशस्विततेसाठी सर्व शिक्षक, शिक्षकेतर कर्मचाऱ्यांचे सहकार्य लाभले.

Activity 4

Covid 19 pandemic precautionary awareness

Unnat Bharat Abhiyaan conducted the Poster & video making competition for Covid 19 Awareness.

Our students done the Covid 19 Pandemic precaution awareness. They made the video in local language and developed digital poster. The video and posters circulated to adopted villages and in society





Objectives

- 1) To make aware of Covid 19 Precautions
- 2) To Sensitize the society by circulating video of Covid 19 Precautions.
- 3) To work for society benefits considering the health safety

• Details of Participation

- a) No of students Participated 24
- b) No of staff involved 05
- c) Date of event 18th June 2021

Achievement & Award

- 1) Our students own the 1st & 3rd Prize Regional level event held by IIT delhi and SGB university Amravati
- 2) 1st prize Ms Kalyani Shweta
- 3) 3rd Prize Ms Rutuja Yemle & Group

4	Mr.Rutwik Dnyandev More	Sanjay Bhokare Group of Institutes	Video		
2	Mohd Abdul Wase	IIT Bombay	Video		
	Maharashtra (Dr.Babasaheb Ambedkar Marathawada University, Aurangabad)				
1	Berlyn Fernandes	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Poster		
2	Mansi Teimal Bora	Institute of Management Studies and Carreer Development Research Center	Poster		
3	Aishwarya Subhash Yemul	B.P.H.E. SOCIETY AHMEDNAGAR COLLEGE	Poster		
1	Bayindra Kumar NT	MGM MEDICAL COLLEGE AND HOSPITAL, AURANGABAD	Video		
2	Ramaiya Tanvi Chandrasen	5222-SANJIVANI K.B.P POLYTECHNIC	Video		
3	Shubam Kendre	Dr Babasaheb Ambedkar Marathwada University Aurangabad	Video		
	Maharashtra (Sant Gadge Baba Amravati University , Amravati)				
1	Laxmi Pramod Bhakare	Prof. Ram Meghe College Of Engineering and Management, Badnera	Poster		
2	Khushabu Bhimraoji Dongre	Prof. Ram Meghe College Of Engineering and Management, Badnera	Poster		
3	Shruti Subodh Bhagat	Institute of Pharmacy and Research, Badnera	Poster		
1	Kalyani Shweta Shivraj	M.G.M's College of Engineering, Nanded	Video		
2	Avantika Mangesh Mete	Institute of Pharmacy and Research, Badnera	Video		
3	Rutuja Shivraj Yemle	M.G.M's College of Engineering, Nanded	Video		
	Maharashtra (VNIT Nagpur)				
1	Dhanashri Sanjayrao Borkar	Dr. Ambedkar Institute if Management Studies and Research, Nagpur	Poster		
2	Himanshi Kapurchand Gedam	Dr. Ambedkar Institute of Management Studies and Research, Nagpur	Poster		
3	Prachi Reochand Joshi	Sardar Patel Maha Vidyalaya, Chandrapur	Poster		
1	Ankit Kumar Mishra	VNIT, Nagpur	Video		
2	Nupur Kalambe	Dadasaheb Balpande College of Pharmacy, Besa , Nagpur	Video		
3	Vishnu Mate	Bajaj Institute of Technology, Pipri meghe, Wardha	Video		
	Manipur (NIT Manipur)				
1	Deesungbou Pamei	Manipur Technical University	Poster		
2	James Lalnghaklien	Tamenglong College	Poster		
3	Vikram Kumar	National institute of technology Manipur	Poster		
1	Sundary Monsang	Manipur Technical University	Video		

List of winner at Amravati regional level

• Impact

- 1) Society get awareness by watching the Video of Covid 19 precaution
- 2) Student gets sensitized.
- 3) society benefited for health safety
- 4) Student get award for this activity

Activity 5 – Visit to krishi Vidnyan Kendra Sagroli, Nanded

Chief Guest and Speaker: Dr. Chittaranjan Sir

Speaker: Mr. Ramesh Gajbhare

Member's from KVK: -

1) Mr Rohit Deshmukh – Director

2) KVK Staff

Member's from M.G.M's College of Engg Nanded

- 1) Mr. Alurwad R. R.
- 2) Mr. Tuptewar D. J.
- 3) Six Students from each Department

Objective

- 1) To study advance farming technique
- 2) To understand various problems in farming & their technological solution
- 3) To Study various methods of crop farming
- 4) To discuss the current problem & challenges in farming

Impact

- 1) Student learnt the advancing farming technique & discussed with farmers of adopted village
- 2) Student get sensitized with farming techniques & discussed with farmers in adopted villages
- 3) Students identified the current problems of farming and trying to develop new technology

1. Meeting with all the Director and other Experts at KVK



2. Visit to Green Shade



3. Visit to Green Shade



4. Interaction with Chittaranjan Sir

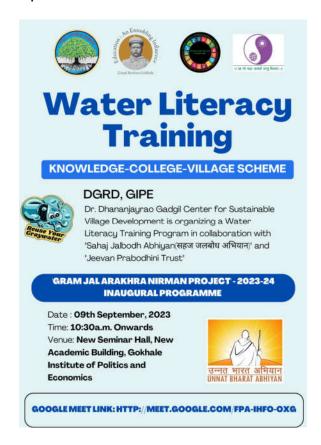


Activity 6

 Our Institute is selected under Knowledge-College- Village collaboration scheme with Regional Centre Unnat Bharat Abhiyan and Dr Dhananjayarao Gadgil Centre for sustainable village development, Gokhale Institute of Politics and Economics (Deemed to be University) Pune, jointly implementing the Knowledge-College- Village collaboration scheme on 23rd August 2023

Event under Knowledge-College-Village scheme

- 1. Attended online training on water literacy program on 9 September 2023 at 10.30am
- 2. No of student participated 25
- 3. No of staff participated 05



Objective

- 1. To understand the water resources and availability in villages
- 2. To find the various water resources in village
- 3. To calculate the water availability in village
- 4. To calculate water required in village

Activity 7

As per the guideline of UBA students & staff participated in Gram sabha on 26th Jan 2024. Discussed the village development plan and given the input regarding undeveloped areas in villages as per sustainable development goals

Details of participation

No of Staff participated – 08

No of Students participated – 20

- Name of Village:
- 1) Wadavana, Tq. Nanded Dist Nanded.
- 2) Khadki, Tq. Nanded Dist Nanded.
- 3) Sayal, Tq. Nanded Dist Nanded.
- 4) Aalegaon, Tq. Nanded Dist Nanded.
- 5) Pimpri Mahipal, Tq. Nanded Dist Nanded.

Objective

- 1. To participate in gram sabha & discuss on village development plan
- 2. To discuss gram panchayat development plan and discuss the Undeveloped areas of global sustainable growth points
- 3. To inform the various government scheme for development as per global sustainable growth points
- 4. To provide provide free medical facility for economical backward class

- 5. Discussed the problems of Self help women group and extend support to their business
- 6. . Collected the information of Water sources in villages to develop the water development plan

Impact

- 1) Grampanchyat accepted our inputs on village development plan
- 2) Grampanchayat agree to make provision of fund in the undeveloped area as per as per sustainable growth development
- 3) Grampanchayt thanks for giving support of free medical facility for economical backward class
- 4) Students analysed the village development plan and identified the undeveloped area as per global sustainable points
- 5) Student sensitized about village problems

Photos: A) Alegaon Village



Image 1: At Alegaon Village with Faculty member , student, Sarpanch & other Members



Image 2: At Alegaon Village with Faculty member, studens, Sarpanch & other Members

B) Sayal Village



Image 3: Particiaption in Gram sabha At Sayal Village with Faculty member,

students, Sarpanch & villagers



Image 4: At Sayal Village with Faculty member Prof J. K Sawle ,studens, Sarpanch

& villegers

C) Wadavan and Khadki Village



Image 5: At Wadavan & Khadki Village with Faculty member , students, Sarpanch

& villegers



Image 6: Discuusion in gram sabha at Wadavan & Khadki Village, with Faculty member, students, Sarpanch & villegers

D) Pimpri Mahipal Village



Image 7: Discuusion in gram sabha at Pimpri mahipal Village



Image 8 Discussion in with Women's self help group

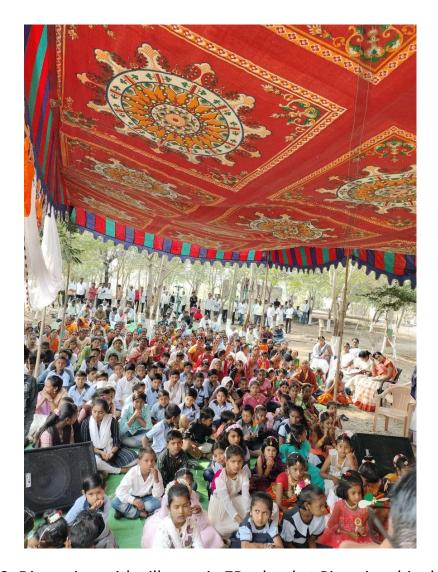


Image 9: Discussion with villagers in ZP school at Pimpri mahipal Village