

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR



DETAILED PROJECT REPORT
Under
UNNAT BHARAT ABHIYAN

Prof. Dilip Sharma (Coordinator)

Dr. Namita Miittal (Co-coordinator) and Dr. Dinesh Kumar (Co-coordinator)

**Dr. M.L. Meena, Dr. Madhu Agarwal, Dr. Preeti Bhatt, Dr. Sushant Upadhyaya,
Dr. R.K. Joshi, Mukesh Kumar, Dr. Pawan Kalla, Dr. Mahesh Kumar, Dr. C. Periasamy
and
300 student volunteers**

UBA MNIT Jaipur



As per the vision of Prime Minister **Sh. Narendra Modi** and the initiatives of MHRD to develop 100 villages as pilot project under **Unnat Bharat Scheme**, MNIT Jaipur is the only NIT which is given a mandate to develop 05 villages.

In order to continue work in the area of community development, the Board of Governors' of MNIT has approved a **Centre for Rural Technology and Community Development** in MNIT Jaipur.

As per the mandate MNIT identified the **05 villages** as Gram **Dabh Ka Nalla**, Gram **Jirrota**, Gram **Mahal**, Gram **Bhurthal** and Gram **Madhorajpura**.



S. No:

Unnat Bharat Abhiyan MNIT Jaipur

Performa for household survey

Date __/__/2015

Name of village: - Distance from SH/NH/VR House no.

1. Family Details:

Name (Head of family):- Age - Mob./Tel. no :

Education: Occupation: Adhar No.

Family Members Particulars:

S. No	Name	Age	Education	Occupation	Skill Development scope	Habits Smoking/ Drinking/ Others/ Remarks

2. Specify Drinking water/Drainage/Solid waste Disposal/Electricity/Health care/Education facility:-

Water Supply	PHED	Boring	Well	Rain water	Other
Water Purification System if any					
Drainage system	Sever Line	Soak Pit	Open	Other	
Number of Toilet units, if not, mention					
Solid waste disposal					
Solid Waste management/bio gas etc.					
Govt. Electricity Supply	Hrs			No connection	
Alternative Source: generator etc					
Scope of Solar energy/wind mills					
Health and Medical facilities					
Educational facilities	Primary	Middle	Secondary	Sr. Secondary	College
Scope of Small scale/Household Business/cooperative, if any					
Any other information					



Report on the visit of villages selected under Unnat Bharat Abhiyaan



Name of Village/ Faculty Coordinators	Pop.	Electricity/ Street light	Road/ drainage	Toilets	School/ College	Drinking water	Hospital/ health facilities	Transportation	occupation
Gram Dabh Ka Nalla, Punchayat Nagal, Teh. Amer Dr. Namita Mittal Dr. C. Periaswami	App. 2000	Yes, No street lights	Streets poorly maintained, No drainage	Only 04 houses out of 400 have toilets	Primary School, 38 students No toilet, no electricity, limited furniture	No water tank Only three hand pump High level of fluoride	No health center within 06 km	No public transportation	Barron land no specific skill
Gram Jirrotta, Punchayat Vidhani, Teh. Sanganer Dr. M.L. Meena Dr. Rajkumar Joshi	App. 650	Yes, No street lights,	Except few roads made by local people roads are not in good condition No drainage	50% homes have toilets but not used regularly	Primary School, No toilet, no electricity, limited furniture in school	No water tank Limited hand pumps Low water level High level of fluoride	No health center within 02 km	No public transportation Need to walk 2 km for local transport	Mostly labors
Mahal, Jagatpura, Teh. Sanganer Dr. Dinesh Kumar Dr. Pawan Kalla	App. 2400	Proper electric supply, No street lights	Except few roads made by local people roads are not in good condition No drainage	Houses are mostly mud houses 30% homes have toilets but not used regularly	Middle School, No toilet, no electricity, limited furniture in school	No water tank Limited hand pumps High level of fluoride	No health center within 02 km	No public transportation Need to walk 2 km for local transport	20-25% agriculture, 8- 10 self employed, 10- 12% govt. & pvt. jobs
Gram Bhurthal, Teh. Bassi Dr. Manish Vashisth Dr. Preeti Bhatt	App. 6725	24 hour electric supply, No street lights	Except few roads made by local people roads are not in good condition No drainage	Houses are mostly mud houses 20-25 homes have toilets but not used regularly	Well maintained Secondary School	One water tank 60-70 houses have water connection rest have hand pumps High Fluoride	No health center within 15 km	No public transportation Need to walk 2 km for local transport	without proper skill people turned into labors, electricians, plumbers etc
Madhurajpura, Teh. Sanganer Dr. Madhu Agarwal Dr. Ghanshyam Singh	App. 5000	24 hour electric supply, No street lights	Except few roads made by local people roads are not in good condition No drainage	80% houses have toilets but not used regularly	Well maintained Middle School	One water tank Most of the houses have water connection High Fluoride	One dispensary 08 km from the village	No public transportation Need to walk 2 km for local transport	without proper skill people turned into labors, electricians, plumbers etc



मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर

उन्नत भारत अभियान कार्यक्रम

Skill Development Training Programme

मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान में उद्योगिता एवं कौशल विकास के अन्तर्गत 5 दिवसीय निम्न कार्यक्रमों हेतु आवेदन आमंत्रित करता है।

S.No.	Course Name (Coordinator)	Date (Time)	Qualification	Date & Time of Interview & Selection	Batch Size
1.	Computer Skill Development Programme (Dr. Dinesh Kumar)	23-27 Feb. 2015 (8.00AM-5.00PM)	12 th Passed	19 Feb. 2015 (Thursday) 10.00AM-2.00PM	20
2.	Welding Skill Development Programme (Dr. M.L. Meena)		8 th Passed		20

प्रशिक्षण शुल्क : निःशुल्क

प्रशिक्षण स्थान : Mechanical Seminar Hall, Mechanical Engg. Department,
Malaviya National Institute of Technology, JLN Marg,
Malviya Nagar, Jaipur

शर्तें :

आयु सीमा : न्यूनतम 18 वर्ष

आवेदक निम्न गांवों में से किसी एक गांव का निवासी होना चाहिये :

- ढाब का नाला, नांगल, आमेर
- जीरोता, विधानी, सांगानेर
- महल, जगतपुरा, सांगानेर
- भूरथल, बस्सी
- दादिया, सांगानेर

नोट : + साक्षात्कार एवं प्रशिक्षण में भाग लेने हेतु किसी भी प्रकार का भत्ता/वृत्तिका देय नहीं हैं।
+ साक्षात्कार में मूल दस्तावेजों (फोटो, योग्यता प्रमाण पत्र एवं उपरोक्त गांव का निवासी प्रमाण पत्र) सहित उपरोक्त प्रशिक्षण स्थान पर पहुंचें।
+ प्रशिक्षणार्थियों के लिए कार्यक्रम के दौरान प्रशिक्षण में प्रयुक्त सामग्री एवं जलपान की व्यवस्था संस्थान द्वारा की जायेगी।

**सफल प्रशिक्षणार्थियों को MNIT Jaipur
द्वारा प्रमाणपत्र प्रदान किये जायेंगे**



Work done till now by UBA team @ MNIT Jaipur

- Computer Skill Development Programme was organized during 23rd-27th Feb, 2015 for the youths living in the villages adopted by MNIT under Unnat Bharat Abhiyan (UBA) of the MHRD for the upliftment of rural India, for free.
- Total 22 participants participated in this programme. The participants were taught about Basics of computer, Internet skills, MS-Word, MS-Excel, MS-Power point, Creating and operating email Id, railway booking, online shopping, online bill payment, social networking, e-newspaper, online recharge, etc.
- The participants were provided with a kit, a basic computer course book. Breakfast, Lunch and High Tea were also arranged by the institute during this programme.
- Feedback for conducting such more programmes.



COMMITTEES

Five groups comprising of Eleven faculty members and students have now been identified to handle problems in following areas:

Education,

Water,

Energy,

Environment,

Employment,

Sanitation and rainwater harvesting.



1. Skills Development Courses and Vocational Trainings

Coordinators: Dr. M. L Meena & Dr. Dinesh Kumar

Budget: Rs 15.0 Lakhs

- Computer Skill Development
- Automobile Repairing
- Mobile Repairing
- Training on Electrical Appliances Repairing
- Training on Electricity Wiring
- Training on Refrigeration Repairing
- Training on AC Repairing
- Training on Basic Welding
- Training in Machine Shop (Conventional Lathe, Drilling M/c, Grinding etc.)
- Programme for Software Professional
- Programme in Web Designing and Development
- Course on English for Employability
- Development of Educational Skill
- Training on providing e-Services
- Computer Aided Drafting 2D on AutoCAD
- Operation and Programming on Industrial CNC Machines
- CAD based on Inventor Professional
- Training on starting some of the home based small businesses such as Soap Making, 'Agarbatti Sticks' Making, Candle Manufacturing, stitching etc.

2. Use of Renewable Energy for Development of Villages



Coordinators: Dr. Madhu Agarwal and Dr. C. Periasamy

Budget Rs. 12.5 lakhs

- Use of Renewable energy in the adopted villages under Unnat Bharat Abhiyaan to meet various needs of villagers such as fuel for cooking, lightening etc.
- Under this project Bio-Gas plants will be installed in villages to replace LPG/kerosene/wood etc. for cooking.
- This project will help villages to get illuminated by solar lights, no dependency on electricity as load shedding is one of the basic problem in Indian villages.
- Solar pumps can also be used for irrigation.



3. Environment Sustainability

Coordinators: Dr. RK Joshi and Mukesh Kumar

Budget: Rs 5.5 lacs

There are two projects in this category

(i) Rural development through agricultural technology i.e organic farming

(ii) Project on Vermi-composting, Recycling Wastes into Valuable Organic Fertilizers

4. Rain Water Harvesting and Sanitation



**Coordinators: Dr Namita Mittal, Dr Pawan Kalla &
Dr. Mahesh Kumar**

Budget: Rs 1000 lakhs

- Enhancements in sanitation facilities 100% toilet usage
- Enhancement in water availability at household level through roof top rain water harvesting
- Community level water harvesting and reuse with masonry underground tank
- Storm water drainage system
- Enhancement in road facilities
- Enhancement in woman literacy
- Solid waste management
- Enhancement for household income through skill development

5. Execution and Promotion of Education in the villages



Coordinators - Dr. Preeti Bhatt & Dr. Sushant Upadhyaya

Budget: Rs 9.0 lakhs

- For 8th to 12th : Job/Career Opportunities
- Boys & Girls: Health related Issues, Dietary Chart (according to age, height and weight)
- Training to Farmers: Related to Agriculture
- Training to Teachers: In different fields of Science and Mathematics
- Adult Education
- Yoga Classes for good health by Art of Living Trainer (5 hr) @ 1hr each village.
- Other Special Issues: awareness regarding the diseases related to water and others

Total budget for all Activities for 5 villages



S. No	Activity	Budget (Rs in lacs)
1	Increasing Employment Opportunities through Skills Development Courses and Vocational Trainings	15
2	Use of Renewable Energy for Development of Villages	12.5
3	Environment sustainability	5.5
4	Rain water harvesting and sanitation	1000
5.	Execution and promotion of Education in the villages	9
	Total	1042



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Skill Development Training Programme

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प्रशिक्षण शुल्क : निःशुल्क

साक्षात्कार स्थान : Mechanical Seminar Hall, Mechanical Engg. Department,
Malaviya National Institute of Technology, JLN Marg,
Malviya Nagar, Jaipur

प्रशिक्षण स्थान : Computer Centre, 1 Floor,
Prabha Bhawan, MNIT Jaipur

शर्तें :

आयु सीमा : न्यूनतम 18 वर्ष

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- महल, जगतपुरा, सांगानेर
- भूरथल, बस्सी
- माधौराजपुरा, फागी

Dr. Dinesh Kumar
Dr. M.L. Meena
Programme Coordinator
UBA

Prof. Dilip Sharma
Institute Coordinator
UBA

Veer Pratap Jaiswal
Student Coordinator, UBA
9887923377

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+ प्रशिक्षणार्थियों के लिए कार्यक्रम के दौरान प्रशिक्षण में प्रयुक्त सामग्री एवं जलपान की व्यवस्था संस्थान द्वारा की जायेगी।

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Expertise in various fields

S No.	Field	Faculty member Name
1	Water Resource Engineering	Prof Gunvant Sharma, Dr Mahesh Jat
2.	Bioprocess Engineering, Wastewater Treatment	Prof A. B. Gupta
3.	Renewable energy and energy policy modelling	Prof J. Mathur
4.	Renewable energy and energy policy modelling, Solar Energy	Dr G. D. Agarwal
5.	Non Conventional Sources Of Energy, Energy Storage	Prof D. Sharma
6.	Non Conventional Sources Of Energy	Prof S. L. Soni
7.	Power Conservation and Manegement	Dr. Rajesh Kumar



Thanks

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