

UNNAT BHARAT ABHIYAN (UBA)

Minutes of the UBA - Activity Planning Workshop for Mentoring Institute and Subject Expert Group Coordinators held on August 22-23, 2016, at IIT Delhi

Informal Introduction

The program began with informal introduction session conducted by Prof. V. K. Vijay, Coordinator UBA, IIT Delhi

He gave brief introduction about UBA and the purpose of conducting this workshop.

Prof. Rajendra Prasad, Advisor UBA, explained the genesis of UBA program. He presented an historical background of establishment of ASTRA at IISC Bangalore, CTARA at IIT Bombay, Centre for Rural Development and Technology at IIT Delhi. He mentioned about some other milestones in involvement of educational institutes in rural development such as Rural Technology Action Group (RuTAG) at different IIT's etc. It was followed by introduction by all the Coordinators of Mentoring Institutes (MIs) and Subject Expert Group (SEG) Institutions as well as others present. (Participants list provided as Annexure I).

Inaugural Session

Opening Remarks: Dr. Vijay P. Bhatkar, Chairman, NSC, UBA.

He expressed his appreciation about Rural Development activities and UBA program taken up by different Institutions. For successful implementation and execution of this program it was important to understand the scope and depth of the program. He briefed about the National Steering Committee (NSC) which is likely to be expanded soon. This program would give new dimensions to IIT's and all other educational institutes. Through this program the higher educational institutes are directly linked to village level activities. This program will act as a bridge between educational institutes and villages. Some highlights of his talk were:

- UBA should become a platform for reverse migration, especially for youths.
- It should generate a new economy with a paradigm shift in education system involving rural sector, providing quality education at village level.
- Resources should be properly channelized and the various schemes of development should be converged so that the goal of rural development can be accomplished.
- Convergence of technologies, development of new technologies and its effective integration systematically.
- Involvement of different ministries such as AYUSH, Ministry of Rural Development, Ministry of Environment and Forests, Ministry of New and Renewable Energy, Ministry of micro, small and medium Enterprises etc.
- Preparation of a systematic village development plan.
- Expected achievement of UBA by 2047? , He asked the participants to visualize the future of the program and work accordingly.

Welcome address by Prof. M. Balakrishnan, Deputy Director, IIT Delhi

Prof. M. Balakrishnan, gave a brief about how the projects can run under educational system. Also pointed out that in most of the projects success is measured through publications and fund utilization. But in case of UBA it should be measured through societal impact and changes that are brought about by the program. He observed that generally, the scalability of the programs depends on scalability of budgets. This should not be so in UBA. He emphasized that no technology is meaningful if it doesn't penetrate the society. UBA can play a catalytic role in achieving this. Also the success lies in creating employment at rural level which prevents migration from rural to urban areas.

Present Status of UBA – Prof. V.K. Vijay

He made a brief presentation on the current status of UBA, explaining the strategies for implementing the program. He gave the current status of funding. MHRD released an amount of 1.66 Cr to initiate the program and remaining amount of 8.33 Cr for the year 2016-2017 will be received as the program proceeds. He explained fund flow mechanism to SEG and MI's. At present 45 institutes had identified village cluster across the country. In future 6 Lakhs villages will be covered by 40000 institutions.

Prof. V. K. Vijay listed the SEG and the MIs as of today and explained their roles. He explained the purpose of conducting the present workshop and also briefed about the workshop program.

Address by the Chief Guest – Sh. R. Subramanian, (Additional Secy. MHRD)

He briefed the meeting about different stages the programme has gone through and the key issues to be addressed through the program. He emphasized that identification of problems should begin from villages and solutions can be designed/developed (bottom up approach).

- Interaction on equality basis with villagers
- Developing culture and attitude for learning from rural people
- No preconceived notions
- Empathetic listening skills.
- Suggested training of District Collectors under UBA.
- The cluster level activity funding has to be organized under different programs and schemes available.

Prof. Milind Sohani, CTARA, IIT Bombay

CTARA has been working for long in the rural developmental activities by covering the villages around 100 km of IIT Bombay.

He explained the structure and functions of *UNNAT MAHARASHTRA ABHIYAN* launched by Maharashtra State government under UBA.

Mentioned about the 5 goals of UBA as follows,

1. To Introduce development agenda in academic discourse and processes
2. To Inculcate methodology of field work and interdisciplinarity in academic processes
3. To make higher educational institutions as centres for regional development
4. To identify regional problems
5. To develop solutions.

Plenary Session 1

Chair: Dr. W.R. Reddy (Director General, NIRDPR); Co-chair: Prof. P.L. Dhar; Convenor: Prof. R.R. Gaur

Dr. W. R. Reddy appreciated the initiative of UBA program. He explained that:

- Volunteerism is must for Rural Development.
- Approach of UBA should be moderate with realistic goals.
- Converging central and state level schemes for rural transformation.
- Project management training for Gram Panchayat by UBA.
- 14th finance commission: Gram Panchayat to prepare GPDP.
- UBA should help Gram Panchayats to develop financially viable, technically feasible and environmentally stable proposals.
- Local adoption of technology.
- NIRDPR and SIRDs can do capacity building of PRIs and skill development at various levels.
- Need for social engineering in villages.

- Cluster development based on water shed basis- mini or micro water - sheds with 5-6 villages to tackle water crisis
- Important to identify cluster, prepare plan for water shed development including skill development, education, health.
- Should aim at the next generation of youth for effective management and bringing socially positive changes

Prof. Rajendra Prasad (Advisor, UBA-Cell, IITD) - The Structural Network and Strategy for Implementation of UBA

Presented the Structural Network and Strategy for Implementation of UBA. Broad lined methodology of intervention and monitoring, Expected outcome from UBA: Gradual movement towards holistic development of the chosen clusters and creating livelihood opportunities.

Prof. V.K. Vijay, Co-ordinator UBA - A brief on the UBA project proposal submitted to MHRD for Base Level Funding

- Proposed to cover all districts in phased manner in coming three years.
- SEGs to form working groups, hold meetings, develop resource materials and conduct training programmes
- MIs to hold at least one regional workshop for PIs, train them for rural cluster activities
- Involvement of District Administrators in UBA activities, a training programme at NIRDPR.
- Base Level Funding, available for MIs and SEGs
- Funds for cluster Development through Central and State level schemes, CSR and international organizations.
- Showcase of rural technologies in India International science Festival under UBA Pavellion.

Prof. R. R. Gaur - Comments on the Draft Brochure for UBA

Presented the draft of UBA brochure and requested the participants to send their comments latest by 5th September, 2016.

Plenary Session – II Venue: Lecture Hall Complex, IIT Delhi Room No. 421

Chair: Dr. N.S. Rathor, DDG (EDU) Indian Council of Agricultural Research (ICAR)

Co-chair: Prof. R.R. Gaur, Convenor: Prof. V.K.Vijay

P.L Dhar

- Involvement of knowledge institutions in the Planning process at various levels constitutionally mandated but not functioning properly.
- Underutilization of funds already available.
- There must be opportunities for faculties in institutions for full time participation in UBA activities on line of secondment to industry.
- There should be a recommendation for an expert from knowledge institutions to be member of District Planning Committee (DPC).
- We should have modest approach in our objectives and realistic goals like adoption of 20 Institutes under each MI instead of 100.
- Interaction with villagers, learning to listen with empathy and compassion.

Prof. Milind Sohoni, CTARA, IIT Bombay.

He explained some of the motivations for UBA programme such as:

- (i) Poorly performing developmental services.
- (ii) Misallocation of funds
- (iii) Decreasing enrolment of people in development
- (iv) Poor employability particularly in rural areas

He explained about the structure, role and responsibilities of Coordinating institute, Mentoring institutes, Participating institutes and other central institutes like AICTE, MHRD, MoRD, etc.

Introducing Unnat Maharashtra Abhiyan (UMA), he mentioned the objectives of the programme which include

- (i) Reform in teaching curriculum and research.
- (ii) Train future professionals and align with developmental objectives.
- (iii) Make institutions regional resource Centers for development.
- (iv) Provide mechanism for citizens to approach institutions for knowledge inputs and guidance.
- (v) He explained the structure of project formulation, implementation and monitoring by giving few examples of UMA.
- (vi) He emphasized that there is a serious issue of ethos in the technical institutions.
- (vii) He urged that the curricula of the technical institutes should be redesigned in order to address the local problems.

Dr. Gyanmudra, NIRDPR

- Presented an overview of NIRDPR/MORD
- Explained Sansad Adarsh Gram Yojana (SAGY) - target of developing one adarsh gram by 2016, three by March 2019 by each Member of Parliament (MP).
- Panchayat Darpan- 35 points impact monitoring tools to gauge the impact of SAGY in GP's; SAGY guidelines published in 11 regional languages
- Online support portal for different Govt. schemes available for rural development.
- Published documents like Samarthyaa and Sankalan.
- Explained about the Rural technology park at NIRDPR
- Explained about GPDP, 29 SIRD's, 90 Extension Training Centre.

Dr. Chanakaya, IISC-Bangalore

- Emphazised about 3 major activities that IISC can take up under UBA
 - 1) Biomethanation
 - 2) Gasification
 - 3) Rural enterprises
- **Future vision:**
- Agro-product processing
- Value addition to products by effective processing technologies
- Developing alternative technologies
- Village enterprise institutions
- Commercialization of R&D

Detailed Activity Planning by Mentoring Institutes.

Chair: Prof. R. R. Gaur, Convenor: Prof. Rajendra Prasad (Advisor, UBA)

Some of the key issues discussed and outcomes are as follows,

- Plan to work in phases- Immediate- One quarter, rest of the year of 2016-2017 and a long term plan for next two more years.
- MIs to submit proposal till September 10th, 2016 to Coordinating Institute.
- Prof. Rajendra Prasad explained about the activities already conducted by IIT-Delhi with Mentoring Institutions in Uttar Pradesh.
- Prof. Kshitij Gupta advised SEGs to consider Diversity in our country while planning activities and hence to take note of regional variations in their recommendations.
- Dr. Bhatkar suggested choosing backward villages first while selecting clusters.

Coordinators of MIs and SEG made their presentations, expressed their views and future plans. A brief is as following,

Dr. Debasis Roy, IIT Kharagpur (MI and SEG)

- UBA cell already formed in IIT-Kharagpur, ready to expand as MI.
- Requested NSC to facilitate interaction with District Collectors.
- Co-ordinating Water Resource Development (WRD) expert group, first meeting held in November 2015.
- Spoke about problems and solutions of water management as a SEG on the subject
- NAMAMI GANGE PLAN-Some Ganga Grams on river banks selected under Namami Gange.
- Requested CI to write letter to the Participating Institutions informing about MIs.
- Dr. V.K. Dubey to take charge of SEG group or WRD at IIT Kharagpur.

Prof. CSP Ojha, IIT Roorkee

- IIT Roorkee as PI identified 5 villages.
- Activities undertaken- Education; Farmer's Welfare; Sanitation Welfare; Medicines, Cottage, micro and small industries.
- UBA Cell established.
- Prof. Gaur suggested IIT-Roorkee to expand as MI and include other PIs in the area.
- Should have an advisory committee of UBA.

Prof. Sandeep Sangal, IIT Kanpur

- To identify Participating Institutes in the area, held a meeting with UPTU-VC, interacted with 3-4 colleges, a few NGO's.
- Contacted Chief Development Officer (CDO)
- Requested office of PSA to issue a formal letter for RuTag Minutes to join hands with UBA.
- Planning to organize a UBA cell soon.

Prof. Saurabh Basu, IIT Guwahati

- Identified 10 villages, focused on health and sanitation issues. Activities conducted: Medical camps, Veterinary camps, zero literacy zone, adopted orphanage and five schools in Kamrup district.
- Started conversations with nearby institutions to join UBA as PIs.

Dr. Upendra Nath Roy, NITTTR, Chandigarh

- Have a network of 155 institutions.
- Involved in Transfer of Technology.
- At National level , there are 4 similar institutions, having a network of 669 polytechnics
- Detailed parameters for formulating programmes as follows:

Socially Acceptable

Economically viable values

Technologically feasible.

Dr. Sachin, VNIT Nagpur

- Constituted UBA cell recently.
- Identified 9 villages around Nagpur.
- Also identified 9 NGOs.
- Carrying out field visits in selected villages.
- Selected 7 engineering colleges as PIs.

Dr TP Chaturvedi, BHU

- UBA activities started in the month of May 2016.
- Activities: Health, education and agriculture.
- Under UBA - covering 22 districts, 150 institutions.
- Requested CI to send a letters to PI for participating.

Prof. Anand Mohan, Dayal Bagh University

- Concept of land to lab and reverse.
- Working in tribal pockets in Bihar.
- Formed a rural development cell.
- Outreach Programme- lifelong learning department, now called Social Science.

Dr. R.C. Purohit, MPUAT

- Expertise: Agricultural and animal husbandry, water shed, medicine.
- Will constitute UBA cell soon.

Detailed Activity Planning by Subject Expert Groups

Chair: Prof. P. L. Dhar, Co-chair: Prof. P.M.V. Subbarao and Convenor: Prof. V. K. Vijay

Prof. Kuntal Bhuyan, IIT Guwahati

- UBA cell will formally approach the corporate sector of the region, like ONGC to extend help under CSR.
- Requested CI to write a letter to Secretary MHRD giving authority to IIT Guwahati for development throughout North East Region.
- Suggestions by the workshop to constitute a National Working Group on the subject and develop required resource material and conduct training programmes for MIs/Pis.

Prof. Gopal Naik, IIM Bangalore

- Currently working as SEG. May consider in future to be MI also.
- Participated in GPs in 15 villages.
- Collaborating with companies like WIPRO.
- Tele-education in 1000 rural schools.

- ICT in Agricultural activities: 2 Talukas, 30% increase in yield, 30% decrease in inputs.
- Under UBA, getting help from Deshpande Foundation and are in the process of adopting 5 Gram Panchayats.

Prof. Varun Vidyarathi, Manavodaya, Implementation Strategy and Approach

- Explained the functioning of Manavodaya in promoting people's participation in rural development.
- The approach for implementation of program should follow the key points as follows-
 - Developing plans according to the needs of the small and marginal farmers
 - Give them a voice : Social mobilisation
 - Ensure their participation
 - Give them a platform : Institution building
 - Ensure sustainability of intervention beyond the project
 - Identify & strengthen local facilitators
 - Build ownership through self-management
 - Build vision and leadership
- Discussed some of the key issues involved at base level such as :
Feudal Relations
Caste Conflicts
Illiteracy
Gender Imbalance
- Success of a programme lies in people's participation and self-management. Training, workshops, demonstrations are essential.
- Explaining the role of micro planning , he emphasized points such as-
 - (i) Prioritization of Problems by people.
 - (ii) Multiple Plans (from the standpoint of support).
 - (iii) Sectorial Plans (Watershed Plan, Agribusiness Plan)
 - (iv) Choice of Institutional Base.
 - (v) Sharing of responsibilities.

Sh. Prakash Javadekar, Hon'ble Minister, HRD

Sh. Prakash Javadekar, a special guest shared his experience on rural development in villages of Chitrakoot district, in Bundelkhand.

- Case Story of a village school visited and found Un-hygienic condition of mid-day meals in the school.
- Trained students for sanitation.
- Provided training to teachers, ensured 100 % teachers attendance.
- Improvement in school Results from 11% to 51% in class 10th and 28% to 82% in class 12.
- Also keeping hygienic conditions around tube well reduced the worm infection to children which increased the class attendance.

Prof. N. S. Rathor

Introduced the UBA activities taken under at ICAR till now. Gave a brief about the agricultural productivity in India and showed his concern about decreasing productivity. Quality of Indian soil in comparison with other countries and told that we have very low organic C in our soil. Last year ICAR conducted workshop/training programs on organic farming. Now aiming to open 100 such centres across the country. Explained the detailed planning to implement this structure, its extension and also possible output of the program.

The following subject expert group also explained their status report and their role as SEG.

- Dr. Koumudi Patil IIT, Kanpur: Rural Craft and Artisans Development
- Prof. P M V Subbarao, IIT, Delhi: Rural Energy Systems
- Prof. S. Shrihari, NIT Suratkal : Rural Sanitation System Development
- Dr. Analava Mitra IIT Kharagpur: Rural Health Care and Medicines jointly with IIT Madras
- Dr. K. R. Yadav, MGIRI WARDHA, : Rural Industrialization and Entrepreneurship Development

Prof. R.R. Gaur once again explained to all the SEG regarding their role as SEGs under UBA program.

It was reminded again that the participants may send inputs to brochure by 5th Sept. 2016, Proposals from MIs and SEGs for at least one quarter of the year 2016-2017 latest by 10th Sept. 2016. Coordinating institute will circulate a format for proposal and MOU to all soon.

Valedictory

Chief Guest: Dr. Vijay P. Bhatkar, Chair: Sh. Kripa Prasad Singh, Co Chari: Prof. Gupta. K., Convener: Prof. V.K. Vijay.

Summing up the Deliberations and the Activity Plan for the next six months

The meeting decided to rename the subject expert group “National coordinating and liaison with experts and field community to “Strategies for Implementation and social Acceptability” to be coordinated by TISS, Bombay and NIRDPR, Hyderabad.

Prof. Rajendra Prasad presented summary of the proceedings followed by Activity Plan for the next six months. The salient points

- Sept 5, 2016 – Inputs to brochure
- Sept. 10 2016, proposals from MIs and SEGs received at IIT- Delhi, at least for one quarter of the year 2016-2017.
- Sept 16, 2016 – NSC Meeting, approvals granted to the proposals Phase 1.
- Sept 30, 2016 – Funds distributed to MIs and SEGs by IIT-D.
- Nov 15, 2016 – At least one workshop each organized by MIs and SEGs, reports and UCs sent to IIT-Delhi along with proposals for rest of the year 2016-2017.
- Nov 30, 2016 – NSC Meeting, approvals granted to the proposals, Phase 2, Meeting of co-ordinators.
- Dec. 7-11, 2016 India International Science Festival and in IISF, UBA will be showcasing rural technologies.
- Dec 31, 2016 – First draft from SEG received at IIT-Delhi, proposals for next two years, Phase 3 received at IIT-Delhi.
- Jan 31, 2017 – Meeting of NSC and approval of proposals, Phase 3 and submission to MHRD, meeting of co-ordinators.

Plan of action presented by Prof. Rajendra Prasad was agreed to and accepted by all.

The program ended with vote of thanks by Dr. Hariprasad.

-----***-----

Annexure I

List of Participants

S. No	Name	Institute
1.	Sh. Prakash Javdekar, Hon'ble Minister	Ministry of Human Resource Development, Govt. of India
2.	Sr. R. Subramaniam	Ministry of Human Resource Development, Govt. of India
3.	Dr. Vijay P. Bhatkar	Chairman NSC, UBA
4.	Dr. Devendra Jalihal	IIT, Madras
5.	Prof. Sandeep Sangal	IIT, Kanpur
6.	Dr. Varun Vidyarthi	Manvodaya, Lakhnow
7.	Prof. C.S.P. Ojha	IIT, Roorkee
8.	Sh. Jay kumar	Vigyan Bharati
9.	Smt. Aparna Sharma	Ministry of Human Resource Development, Govt. of India
10.	Dr. W.R. Reddy	NIRDPR, Hyderabad
11.	Prof. Milind Sohoni	IIT, Bombay
12.	Prof. Debasis Roy	IIT, Khargpur
13.	Prof. Analava Mitra	IIT, Khargpur
14.	Dr. Renu Misuria	IIT, Delhi
15.	Dr. K. K. Pant	IIT, Delhi
16.	Sh. Anurag Acharya	IIT, Delhi
17.	Sh. Deepak Arora	IIT, Delhi
18.	Vivek Tandon	IIT, Delhi
19.	Prof. S. Basu	IIT, Delhi
20.	Sh. Kripa Prasad Singh	Vanvasi Kalyan Ashram
21.	Prof. Koumudi Patil	IIT, Kanpur
22.	Dr. Gyanmudra	NIRDPR, Hyderabad
23.	Prof. Saurabh Basu	IIT, Guwahati
24.	Dr. Kuntal Bhuyan	IIT, Guwahati
25.	Dr. H.N. Chankaya	IISc Bangalore
26.	Prof. Gopal Naik	IIM Bangalore
27.	Prof. T.P. Chaturvedi	BHU, Varanasi
28.	Prof. Anand Mohan	DEI, Agra
29.	Prof. D.S. Mishra	DEI, Agra
30.	Mr. Vishal	IIT, Bombay
31.	Dr. U.N.Roy	NITTTR Chandigarh
32.	Prof. S. Srihari	NIT Suratkal
33.	Prof. Sachin Mandav Gan	VNIT Nagpur
34.	Prof. Pranav Mohapatra	IIT, Gandhinagar
35.	Prof. R.C. Purohit	MPUAT, Udaipur
36.	Dr. Surendra Kothari	MPUAT, Udaipur
37.	Mr. Changani	MGIRI, Wardha
38.	Dr. K.R. Yadav	MGIRI, Wardha
39.	Prof. PMV Subbarao	IITD
40.	Prof. Sangeeta Kohli	IITD
41.	Dr. N. S Rathore	ICAR

42.	Prof. Rajendra Prasad	IITD
43.	Dr. Hariprasad .P	IITD
44.	Dr. J K Sahu	IITD
45.	Prof R. R Gaur	IITD
46.	Prof. S.N. Naik	IITD
47.	Prof. S.K. Saha	IITD
48.	Prof. M.P. Gupta	IITD
49.		
50.	Prof. P.L. Dhar	IITD
51.	Prof. V.K. Vijay	IITD
52.	Prof. Kshitij Gupta	IITD
53.	Prof. M.R. Ravi	IITD
54.	Prof. B.R. Mehta	IITD
55.	Prof. A.K. Gosai	IIT, Delhi
56.	Prof. Rajesh Prasad	IIT, Delhi
57.	Prof. M. Balakrishnan	IIT, Delhi
58.	Dr. Dibakar Rakshit	
59.	Dr. Sarandeep Singh	
60.	Sh. Sharwan Kumar	JMkc Group
61.	Sh. Shrikishan Jakhar	
62.	Sh. Gopla Mohan Upadhyay	
63.	Sh. Aayodya Prasad Kushwaha	
64.	Sh. Shyam Bihari Gupta	