

Five-Days Vocational Training Programme on "Advances in Watershed Planning, Development & Management" Under Institutional Development Plan – NAHEP Organized by Soil and Water Engineering Department, College of Agricultural Engineering & Technology, JAU, Junagadh during September 20-24, 2021

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Department of Soil and Water Conservation Engineering, CAET, JAU, Junagadh organized Five-Days Vocational Training Programme on “Advances in Watershed Planning, Development & Management” Under Institutional Development Plan – NAHEP during September 20-24, 2021. About 192 students of B. Tech. (Agril. Engg.) attended this training.

Dr. H D Rank, Professor & Head, Soil and Water Engineering Department, at the first outset, welcomed the dignitaries, faculties and students. He briefed on the content and coverages of the training program. He also gave briefs on the recent advances on watershed survey, planning, execution of various development activities, monitoring and management of watershed.

Dr. N K Gontia, Principal & Dean, College of Agricultural Engineering & Technology, JAU, Junagadh gave details on importance of watershed management for the water conservation. He appealed all the participants to take benefits of all experts from various fields and organizations like SSNNL, private agriculture/water consultant, ACF, KVK, AKRSP, Forest department, SAUs, and ICAR. He also mentioned that for the natural resource Management, watershed is the base unit/platform for all the technical and social-economic activities of NRM.

Prof. R. B. Maraviya, Ex Executive director (Agri.), SSNNL and the guest of honor during the inaugural function. He shared his views on importance of water management at field scale. He also mentioned implications of technical, social and economic aspects during planning, executions, operation and management of watersheds.

Dr. P. K. Singh, Dean, CTAE, MPAUT, Udaipur and the chief guest of the function, addressed the students on the activities under watershed

development. He gave few examples of success stories of the watershed development and management in the Rajasthan state. He advised the students to emphasize more on practical aspects of watershed development and management. Soil and water conservation should be given top priority at watershed scale for the sustainable agriculture particularly in arid and semi-arid regions like Gujarat and Rajasthan. He also briefed on importance of watershed management in heavy rainfall regions for the flood control through water conservation measures in the watershed.

Dr. P. M. Chauhan, Director of Research Dean PG studies and PI-IDP inaugurated and presided over the inaugural function of the training program held September 20, 2021 and highlighted the activities and achievement of IDP project, training organized under the project and the student benefited by international training in his presidential address.

In the inaugural function, Dr. S. G. Savaliya, Principal, COA, Dr. P. H. Tank, Principal and Dean, Veterinary College, Dr. C. D. Lakhani, Principal and Dean, PGAIBM, Dr. V. R. Malam, DSW, Dr. K. C. Patel, Director, IT have graced the function.

The inaugural function was ended with vote of thanks by Prof. G D Gohil, Coordinator-IDP-CAET.

During the said training program, different lectures and practical sessions were organized as per detail given below:

TRAINING PROGRAM SCHEDULES

Sr. No.	Date	Time	Resource Person	Topic	
1	20.09.2021	09.00 AM - 10.00 AM	Inaugural Function		
2		10.00 AM - 11.00 AM	Dr. P K Singh Chief Guest, Dean, CTAE, MPUAT, Udaipur	Water Harvesting Technologies : Past & Present	
		11.00 AM - 11.10 AM	High Tea		
3		11.10 AM - 12.10 PM	Prof. R B Maraviya Guest of Honour Retired Executive Director (Agriculture), SSNNL	MIS-More Crop Per Drop : PMKSY	
		12.10 PM - 03.00 PM	Lunch Break		
4		3:00 PM to 5:30 PM	Er. Jatin Kapadiya Deputy Project Director, ATMA	Practical Session Automated survey through mobile GPS and CAD, Google Earth Technology	
5		5.30 PM to 7.15 PM	Dr. Ashok Mishra Retired Principal, CoA, & Private Consultant	Technical issues of MIS adaptation in watershed	
6		21.09.2021	09.00 AM - 10.00 AM	Prof. R B Maraviya Retired Executive Director (Agriculture), SSNNL	Soil and Water Management in Narmada Command Area
7			10.00 AM - 11.00 AM	Dr. D H Rannde Dean Faculty of Agriculture, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior	Water harvesting and management
			11.00 AM - 11.10 AM	High Tea	
8	11.10 AM - 12.10 PM		Er. Jatin Kapadiya Deputy Project Director, ATMA	Scope of IOT and AI in watershed monitoring	
	12.10 PM - 03.00 PM		Lunch Break		
9	03.00 PM - 04.00 PM		Dr. R S Kurothe, Retired Head, ICAR- IISWC, Research Centre, Vasad	Soil & Water Conservation structures in watershed	
10	04.05 PM - 05.30 PM		Dr. H V Parmar Assoc. Prof., SWE, CAET, JAU, Junagadh	Practical Session Free Satellite Images/ DEM downloading	

11	22.09.2021	09.00 AM - 10.00 AM	Er. Vedant Patel Program Manager AKRSP	Water Resources Management-Case Study of AKRSP
12		10.00 AM - 11.00 AM	Dr. Sachin Nangude HoD-SWE, MPKV, Rahuri, Maharashtra	Soil loss estimation in hilly watershed Part-I
		11.00 AM - 11.10 AM	High Tea	
13		11.10 AM - 12.10 PM	Brijen Thakar Consultant WRMCS, Bhuj	Hydrological monitoring for Participatory Groundwater Management in Watershed
		12.10 PM - 03.00 PM	Lunch Break	
14		03.00 PM - 04.30 PM	Dr. M K Kaledhonkar, Project Coordinator (Soil & Water Conservation Engineering), CSSRI- Karnal	Groundwater recharge & its management
15		04.30 PM - 06.00 PM	Dr. Sachin Nangude HoD-SWE, MPKV, Rahuri, Maharashtra	Soil loss estimation in hilly watershed Part-II
16	23.09.2021	09.00 AM - 10.00 AM	Er. S T Dungrani Project Coordinator ACF, Kodinar	Integrated Watershed Management
17		10.00 AM - 11.00 AM	Er. Dalsukh Vaghasiya, Deputy General Manager, ACF, Kodinar	Water Resources Development in Coastal Area : Issues, Status and Solutions
		11.00 AM - 11.10 AM	High Tea	
18		11.10 AM - 12.10 PM	Dr. Jitedra Singh Senior Scientist & Head KVK, ACF, Kodinar	In-Situ water conservation technologies for watershed management
		12.10 PM - 03.00 PM	Lunch Break	
19		03.00 PM - 04.00 PM	Dr. G R Patel Head, Department of Agril. Engg., CoA, AAU, Vaso	Identifications of Water Harvesting and Groundwater recharge sites in watershed using RS & GIS
20		04.10 PM - 05.30 PM	Prof. P B Vekariya Assistant Professor, AICRP-IWM, SWE, JAU, Junagadh	Field Visit to Groundwater Recharge sites

21	24.09.2021	09.00 AM - 10.00 AM	Dr. G R Patel Head, Department of Agril. Engg., CoA, AAU, Vaso	Water Harvesting Technologies Through Watershed Approach
22		10.00 AM - 11.00 AM	Shri Chirag Amin, Indian Forest Service(IFS), Deputy Conservation of Forest(DCF)	Forestation strategies for watershed development and management
		11.00 AM - 11.10 AM	High Tea	
23		11.10 AM - 12.10 AM	Shri Chirag Amin, Indian Forest Service(IFS), Deputy Conservation of Forest (DCF)	Climate Change mitigation through forestation in watershed
		12.10 PM - 03.00 PM	Lunch Break	
24		03.00 PM - 04.00 PM	Dr. N. K. Gontia, Principal and Dean, CAET, JAU, Junagadh	Importance of Watershed Development and Management
25		04.00 PM - 05.30 PM	Valedictory Function	

The valedictory function of the training was organized on September 24, 2021 on the completion of the training. The training certificates were distributed to the students on the successful completion of the training.

Dr. H. V. Parmar, Co-Organizing Secretary & Associate Professor, SWCE, CAET, JAU, Junagadh, at the first outset, welcomed the dignitaries, faculties and students in the valedictory function. He highlighted the different topics covered by different resource persons in the training.

Dr. N. K. Gontia, Principal and Dean and CO-PI (IDP), CAET, JAU congratulated all the students for the completion of the training program. He memorized the various aspects covered during the lectures and practical sessions during the training by different resource persons. He also highlighted the importance of water conservation through latest technologies adoptions in watershed management which were covered during different training sessions. He wished that training will be helpful to the students during interviews and in their future also. He also appreciates the active participation of the student's in different sessions.

Mr. Chirag Amin, Indian Forest Service (IFS), Deputy Conservation of Forest (DCF) and the chief guest of the valedictory function, shared his view

on the importance of forest in watershed development and management. He also motivated and encouraged students for the competitive examinations like IAS, IFS, GPSC etc. He shared his experiences for the preparation of IFS examination and shared tips of getting successes in such examinations.

Dr. P. M. Chauhan, Director of Research & Dean PG studies and PI (IDP), JAU, Junagadh had presided over the valedictory function of the training program held on September 24, 2021. He emphasized the importance of trainings for the students. He also encouraged the students for international trainings under IDP. He congratulated the faculty and staff for successfully completion of the training. He wished all the best to the student for their future.

The valedictory function was ended with vote of thanks by Prof. G D Gohil, Coordinator-IDP-CAET.

The few clicks during the Five-Days Vocational Training Programme on “Advances in Watershed Planning, Development & Management” Under Institutional Development Plan – NAHEP (September 20-24, 2021) can be viewed in the subsequent space.



Welcome address by Dr. H D Rank, Organizing Secretary & HoD-SWE, CAET



Inauguration by Dr. P M Chauhan, Director of Research & Dean, PG studies and PIIDP, JAU, Junagadh on 20.09.2021



Address by Dr. N K Gontia, Dean, FAE, JAU, Junagadh during inaugural function



Address by Prof. R B Marviya, Ex. Executive Director(Agric.), SSNNL, Gandhinagar during inaugural function



Address by Dr. P K Singh, Dean, MPUAT, Udaipur and Chief Guest during inaugural function on 20.09.2021



Presidential address by Dr. P M Chauhan, Director of Research & Dean, PG studies and PI-IDP, JAU, Junagadh



Lecture by Prof. R B Maraviya, Ex. Executive Director (Agric.), SSNNL, Gandhinagar



Lecture by Er. Jatin Kapadiya, Deputy Project Director, ATMA



Lecture by Dr. Ashok Mishra, Retired Principal, CoA, & Private Consultant



Lecture by Dr. D H Rannde, Dean Faculty of Agriculture, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwaliour



Lecture by Dr. R S Kurothe, Retired Head, ICAR-IISWC, Research Centre, Vasad



Exercise by Dr. H V Parmar, Assoc. Prof., SWCE, CAET, JAU, Junagadh



Lecture by Er. Vedant Patel, Program Manager, AKRSP, Bhatiya



Lecture by Dr. M K Kaledhonkar, Project Coordinator (Soil & Water Conservation Engineering), CSSRI-Karnal



Lecture by Dr. Sachin Nangude, HoD-SWE, MPKV, Rahuri, Maharashtra



Lecture by Brijen Thakar, Consultant WRMCS, Bhuj



Lecture by Er. S T Dungrani, Project Coordinator, ACF, Kodinar



Lecture by Er. Dalsukh Vaghasiya, Deputy General Manager, ACF, Kodinar



Lecture by Dr. Jitedra Singh, Senior Scientist & Head, KVK, ACF, Kodinar



Lecture by Dr. G R Patel, Head, Department of Agril. Engg., CoA, AAU, Vaso and I/c Registrar, AAU, Anand



Address by Prof. P B Vekariya, Asstt. Professor, AICRP-IWM, SWE, JAU, Junagadh



Lecture by Shri Chirag Amin, Indian Forest Service(IFS), Deputy Conservation of Forest(DCF), FD, GoG, Morbi.



Lecture by Dr. N. K. Gontia, Principal and Dean, CAET, JAU, Junagadh



Certificate distribution during valedictory function by Er. Chirag, Amin, DCF, Morbi and Chief Guest of the valedictory function (Dt. 24/09/2021)



Feedback from student during valedictory function



Address by Dr. N. K. Gontia, Principal and Dean, CAET, JAU, Junagadh during valedictory function



Address by Chief Guest Er. Chirag, Amin, DCF, Morbi during valedictory function



Presidential address by Dr. P M Chauhan, Director of Research & Dean, PG studies and PI-IDP, JAU, Junagadh during valedictory function