

# **A Progress Report**

**(2016-17 to 2020-21)**

*on*

## **Vocational course on Agricultural Engineering and Technology (BH-12987-01)**

***Module-1 : Fabrication, Repairs & Maintenances of  
Common Farm Machineries & Implements***

***Module-2 : Tools & Techniques for Harvesting &  
Management of Rainwater***



**COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY  
ANAND AGRICULTURAL UNIVERSITY, GODHRA-389 001**

➤ **Name of the Project:** Vocational course on Agricultural Engineering and Technology.

➤ **Background information/Justification of the scheme:**

In the tribal areas of Dahod and Panchmahals district, farmers are doing their farming by traditional ways year to year. But now a day's scenario is changing and farmers are attracted towards farm mechanization. They have started to use tractor, power tillers for performing various agricultural operation. Not only tractors but also they started to use small improved tools, weeders, sprayer and dusters. Since this type of machinery is first time introducing in that area, the farmers are lacking in technical knowledge regarding these equipments. Hence there is need to develop skilled manpower who can able to repair these machinery at local level.

The aim is to provide participants specifically the local tribal youths with the relevant knowledge & professional skills to select, install and maintain the most appropriate location specific Rainwater Harvesting systems. The course offered basic level expertise & skills to participants on the feasibility of overall integrated management of rainwater on small land holdings under the land uses of agriculture, forest, grasslands, wastelands, as well as habitation etc. The proposed certified course would made available skilled manpower in that area. It would become helpful to rural youth to set up their own workshops and local business which provide the repair and service facilities to the farmers. This altogether enhances the income of the people in the region.

➤ **Objectives:**

1. To make available skilled manpower in the field of agriculture mechanization and rain water harvesting
2. To create employment opportunities for tribal youths
3. To develop entrepreneurship at rural level

➤ **Year of starting the project:**

In year 2011-12, developed basic infrastructure related to course and from academic year-2012-13 course was started.

➤ **Year wise admitted, passed out and placed students**

<b>Year</b>	<b>No. of Admitted Students</b>	<b>No. of passed Students</b>	<b>No. of student placed</b>
<b>2012-13</b>	32	17	10
<b>2013-14</b>	33	18	10
<b>2014-15</b>	35	20	00
<b>2015-16</b>	38	20	00
<b>2016-17</b>	22	10	00
<b>2017-18</b>	05	01	00
<b>2018-19*</b>	--		
<b>2019-20*</b>	--		
<b>2020-21<sup>#</sup></b>	--		
<b>Total</b>	<b>165</b>	<b>86</b>	<b>20</b>

\* No any student had taken admission in the course

<sup>#</sup> Due to COVID-19 pandemic admission had not undertaken

➤ **Category wise passed out students:**

<b>Year</b>	<b>General</b>	<b>SEBC</b>	<b>ST</b>	<b>SC</b>	<b>Total</b>
<b>2012-13</b>	03	07	05	02	17
<b>2013-14</b>	01	06	07	04	18
<b>2014-15</b>	0	08	03	09	20
<b>2015-16</b>	0	12	06	02	20
<b>2016-17</b>	0	06	1	03	10
<b>2017-18</b>	0	01	0	0	01
<b>Total</b>	<b>04</b>	<b>40</b>	<b>22</b>	<b>20</b>	<b>86</b>

➤ **Year wise Financial Progress:**

Year	Year wise grant sanctioned and expenditure (Rs. in lacs)							
	Pay and allow.		Recurring		Non-recurring		Total	
	Sancti oned	Exp	Sancti oned	Exp	Sanctio ned	Exp	Sancti oned	Exp
2011-12	18.50	0.00	35.00	21.39	130.00	95.92	183.5	117.31
2012-13	1.76	1.32	42.00	41.47	0	0	43.76	42.80
2013-14	1.30	1.27	20.00	19.89	11.30	10.50	32.60	31.66
2014-15	1.73	1.67	22.00	14.43	1.70	1.61	25.43	17.70
2015-16	2.33	2.27	18.23	13.77	0	0	20.56	16.05
2016-17	8.24	8.22	11.00	10.56	0	0	19.24	18.78
2017-18	11.53	11.52	2.69	2.69	0	0	14.22	14.21
2018-19	5.53	5.53	3.25	2.67	0	0	8.78	8.2
2019-20	6.78	6.65	3.00	2.34	0	0	9.78	8.99
2020-21	16.14	15.93	2.00	1.31	0	0	18.14	17.24
<b>TOTAL</b>	73.84	54.38	159.17	130.52	143	108.03	376.01	292.94

➤ **Year wise Physical Progress /achievement made in the project**

Under this project, following two Basic Level Certified Vocational Courses (each of one year duration & running simultaneously) are started

**Module-1 :** Fabrication, Repairs & Maintenances of Common Farm Machineries & Implements

**Module-2 :** Tools & Techniques for Harvesting & Management of Rainwater

• **Year 2016-17**

- ✓ Along with the leaflet distribution, flex Banners were also displayed at various prime location of Godhra city for wide publicity of course.
- ✓ During admission process total 22 students were admitted
- ✓ Examinations were conducted as per schedule.
- ✓ Fifth batch of 10 trainees including three girls passed out in July 2017.

- **Year 2017-18**

- ✓ Along with the leaflet distribution, flex Banners were also displayed at various prime location of Godhra city for wide publicity of course.
- ✓ During admission process total 05 students were admitted
- ✓ Examinations were conducted as per schedule.
- ✓ Sixth batch of 01 trainee passed out in July 2018.
- ✓ As per recommendation of Extension Education Council, AAU, Anand the proposal was prepared to change the period of the course from 12 month to 6 month and to change the Rules & Regulations and syllabus of the course accordingly.
- ✓ Other daily works regarding repair and maintenance of the machinery procured under the budget were carried out.

- **Year 2018-19**

- ✓ No any student had taken admission in the course.
- ✓ The proposal to change the period of the course from 12 month to 6 month and to change the Rules & Regulations and syllabus of the course accordingly were get approved by the Board of studies of Agricultural Engineering and Technology, Academic Council, AAU, Anand.
- ✓ The Proposal is also approved by the Board of Management, AAU and recommended to get approval from Govt. of Gujarat.
- ✓ Other daily works regarding repair and maintenance of the machinery procured under the budget were carried out.
- ✓ One day farmers training cum demonstration program was conducted on 28/02/2019 on very important topic “Safety and precaution during operating tractor and other farm machinery” in which around 60farmers form different villages had participated.

- **Year 2019-20**

- ✓ No any student had taken admission in the course
- ✓ The correspondences were made with Govt. of Gujarat regarding approval for changing the period of the course from 12 month to 6 month and to change the Rules & Regulations and syllabus of the course accordingly.
- ✓ Other daily works regarding repair and maintenance of the machinery procured under the budget were carried out.

- **Year 2020-21**

- ✓ Due to COVID-19 pandemic admission had not undertaken during academic year 2020-21.
- ✓ The correspondences were made with Govt. of Gujarat regarding approval for changing the period of the course from 12 month to 6 month and to change the Rules & Regulations and syllabus of the course accordingly.
- ✓ The approval for above said proposal from Govt. of Gujarat was received and further procedure regarding implementation at University level is going on.
- ✓ Other daily works regarding repair and maintenance of the machinery procured under the budget were carried out.

## Glimpses of curricular Activities of course

### Students performing Field Practical



### Students performing Workshop and Lab Practical



### Students during Field Visits



### Students during Industrial Visits



### Certificate distribution to successful trainees



### One Day Farmer Training conducted on 28/02/2019





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