

**ANNEXURE VI**



Navsari Agricultural University

**SELF STUDY  
REPORT FOR ACCREDITATION  
OF  
COLLEGE OF AGRICULTURE  
NAVSARI AGRICULTURAL UNIVERSITY  
WAGHAI - 394730  
YEAR 2011-12 to 2015-16**

**SUBMITTED  
TO  
ACCREDITATION BOARD  
INDIAN COUNCIL OF AGRICULTURAL  
RESEARCH  
NEW DELHI**

# COLLEGE OF AGRICULTURE

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## Institutional Profile of College of Agriculture, NAU, Waghai

1.	State		:	Gujarat
2.	University	Name	:	Navsari Agricultural University
		Headquarters	:	Navsari
3.	College	Name	:	College of Agriculture, NAU, Waghai
		Address	:	College of Agriculture, NAU, Waghai (Dangs) – 394730
		Telephone	:	02631 – 246688 / 246622
		Fax	:	-
		E-Mail	:	<a href="mailto:caw@nau.in">caw@nau.in</a>
		Date of establishment	:	
		University	:	01/05/2004
		College	:	19/04/2012
4.	Head of faculty	Name	:	Dr. Z. P. Patel
		Designation	:	Principal
5.	Head (CEO) of the College	Name	:	Dr. Z. P. Patel
		Designation	:	Principal

## 6. GOALS AND OBJECTIVES:

- To conduct under graduate course leading to the bachelor degree [B.Sc. (Hons.) Agriculture] in Agriculture.
- To undertake the research work in Agriculture science.
- To undertake students and farmers oriented extension activities.

## 7. ACADEMIC PROGRAMME

## 7.1 Programmes offered with duration

	Programmes	Duration
UG	B.Sc. (Hons.) Agriculture	8 Semesters

## 7.2 Are the programmes implemented on schedule as prescribed in the prospectus/notified?

Yes ☒ No ☐



## 8. STAFF POSITIONS

### 8.1 Category-wise staff strength (5 Years)

Category of Staff	Number and per cent									
	2011-12		2012-13		2013-14		2014-15		2015-16	
	No.	%	No.	%	No.	%	No.	%	No.	%
Faculty	-	-	23	82.14	28	87.50	28	93.33	29	93.55
Technical	-	-	-	-	02	6.25	-	-	-	-
Administrative	-	-	-	-	-	-	-	-	-	-
Supporting	-	-	05	17.86	02	6.25	02	6.67	02	6.45
Total	-	-	28	100.00	32	100.00	30	100.00	31	100.00

### 8.2 Whether all faculty including Research and Extension participate in teaching?

Yes ☒ No ☐ Comments

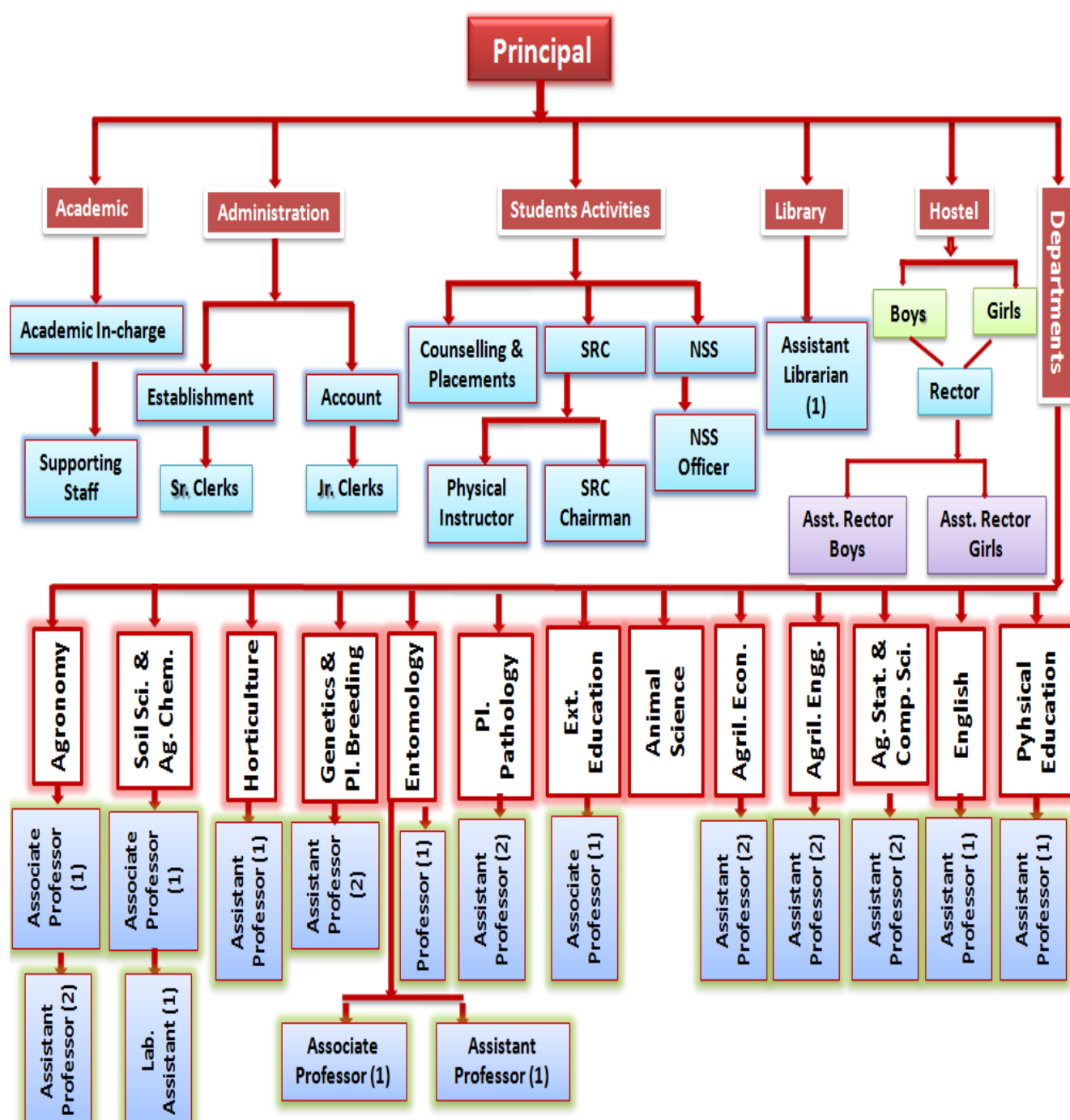
### 8.3 Physical facilities available at academic institutions

College of Agriculture, Waghai started functioning from 2012-13 and students are admitted to four years B.Sc.(Hons.) Agriculture degree programme for the first time in July, 2012. After completing less than one year, college shifted to new building of

Polytechnic with well furnished class rooms, laboratories, library etc. Every class room has digital projector and CCTV cameras.



## 9. ADMINISTRATIVE STRUCTURE OF THE COLLEGE:



## 10. PLANNING PROCESS

The planning on academic, research and extension aspects are through discussion at different levels. The suggestions, comments, recommendations, etc. are invited from faculty members and discussed in the meeting of the Head of the departments. The agenda items are placed



before the board of studies. Further the agenda items are recommended to Academic council for approval. The academic council subsequently approves or defers the decision and placed before the Board of management for approval. Subsequently the notification/ implementation orders are issued by the Registrar for implementation.

The academic branch of this college prepares time table (theory & practical) for UG teaching and arranges internal theory and practical examination as per academic calendar under the supervision of Academic Incharge. RAWE programme coordinator and his team provide planning of RAWE programme and educational tour. The Gymkhana Chairman in consultation with the physical instructor follows sports calendar as per the university. Student Representative Council (SRC) Chairman with committee of faculties and students planning for extra-curricular activities, celebration of college annual day, national days and other events of the college. The College of Agriculture also prepares annual report every year. Academic calendar and time table of centralized common semester end examination are being proposed in the meeting of all the Registrars and Deans of all the four SAUs of Gujarat for their approval.

The new technical programmes relevant to thrust area are prepared by faculties and put up in the respective sub-committee, which are then approved in Joint AGRESCO of the University and finally approved by combined Joint AGRESCO of SAU's of Gujarat. The technical programme approved is taken up by concerned proposer.

## 11. FACULTY

### 11.1 Core Faculty:

Is there a core faculty concept existing?

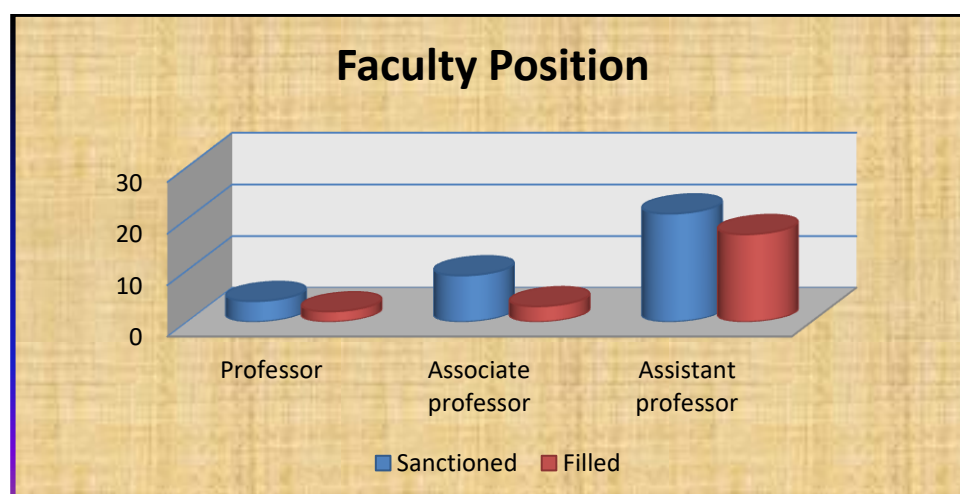
Yes ☒ No ☐ Comments

If Yes, explain the criteria used for declaring core faculty

The criterion for declaration of core faculty is the degree of post graduation obtained in the particular core subject or the broad work experience of the faculty in a particular subject.

## 11.2 Department-wise Faculty Positions

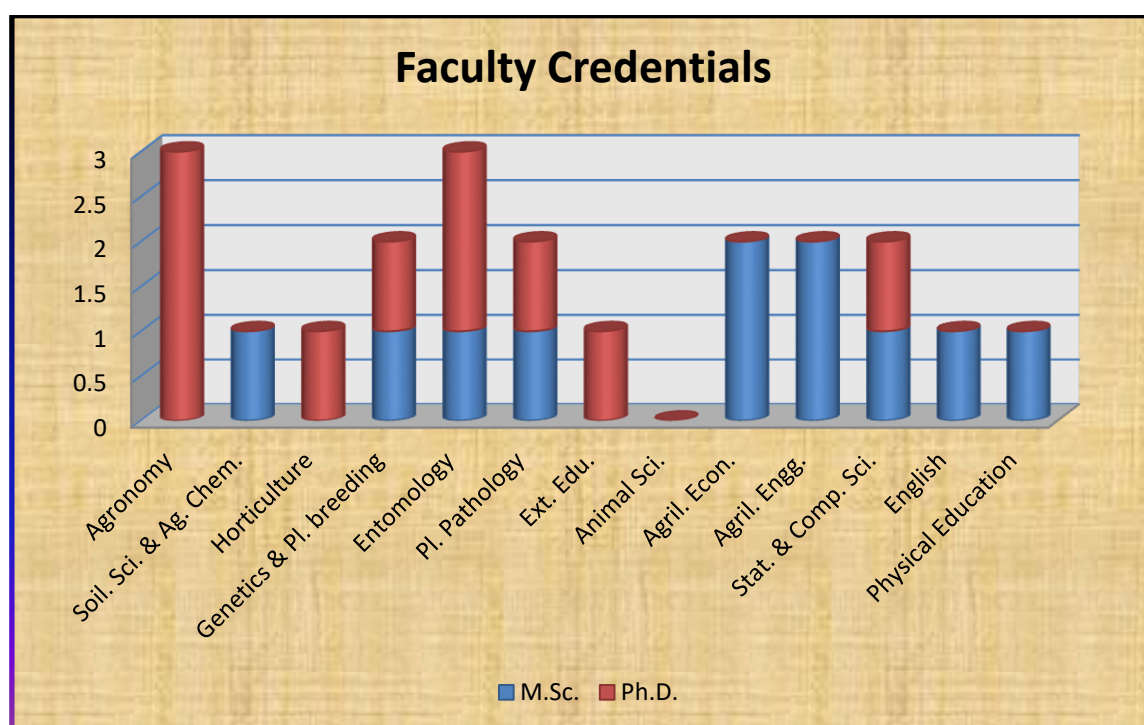
Department	Number of faculty positions sanctioned (No. and Per cent)						Faculty position filled (No. and Per cent)					
	Professors		Assoc. Professors		Asstt. Professors		Professors		Assoc. Professors		Asstt. Professors	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<b>Principal</b>	01	25	-	-	-	-	01	50	-	-	-	-
<b>Agronomy</b>	01	25	01	11.11	03	14.19	-	-	01	33.33	02	11.76
<b>Soil Sci. &amp; Ag. Chem.</b>	-	-	01	11.11	01	4.76	-	-	-	-	01	5.88
<b>Horticulture</b>	-	-	01	11.11	02	9.52	-	-	-	-	01	5.88
<b>Genetics &amp; Pl. breeding</b>	01	25	01	11.11	02	9.52	-	-	-	-	02	11.76
<b>Entomology</b>	01	25	01	11.11	01	4.76	01	50	01	33.33	01	5.88
<b>Pl. Pathology</b>	-	-	01	11.11	02	9.52	-	-	-	-	02	11.76
<b>Ext. Education</b>	-	-	01	11.11	01	4.76	-	-	01	33.33	-	-
<b>Animal Sci.</b>	-	-	-	-	01	4.76	-	-	-	-	-	-
<b>Agril. Econ.</b>	-	-	01	11.11	02	9.52	-	-	-	-	02	11.76
<b>Agril. Engg.</b>	-	-	01	11.11	02	9.52	-	-	-	-	02	11.76
<b>Stat. &amp; Comp. Sci.</b>	-	-	-	-	02	9.52	-	-	-	-	02	11.76
<b>English</b>	-	-	-	-	01	4.76	-	-	-	-	01	5.88
<b>Physical Education</b>	-	-	-	-	01	4.76	-	-	-	-	01	5.88
<b>Total</b>	<b>04</b>	<b>100</b>	<b>09</b>	<b>100</b>	<b>21</b>	<b>100</b>	<b>02</b>	<b>100</b>	<b>03</b>	<b>100</b>	<b>17</b>	<b>100</b>





### 11.3 Faculty Credentials:

Department	Ph.D.		M.Sc.		Others if any (specify)	
	No.	%	No.	%	No.	%
Agronomy (3)	03	100.00	-	-	-	-
Soil Sci. & Ag. Chem. (1)	-	-	01	100.00	-	-
Horticulture (1)	01	100.00	-	-	-	-
Genetics & Pl. breeding (2)	01	50.00	01	50.00	-	-
Entomology (3)	02	66.67	01	33.33	-	-
Pl. Pathology (2)	01	50.00	01	50.00	-	-
Ext. Edu. (1)	01	100.00	-	-	-	-
Animal Sci. (0)	-	-	-	-	-	-
Agril. Econ. (2)	-	-	02	100.00	-	-
Agril. Engg. (2)	-	-	02	100.00	-	-
Stat. & Comp. Sci. (2)	01	50.00	01	50.00	-	-
English (1)	-	-	01	100.00	-	-
Physical Education(1)	-	-	01	100.00	-	-
<b>Total (21)</b>	<b>10</b>		<b>11</b>		<b>-</b>	<b>-</b>



### 11.4 How is the appointment of Dean/Director (Instruction)/Assoc. Dean/Principal done?

Direct Selection ☒

Rotational ☐

Other (Specify) ☐

**11.5 Does the Dean/Assoc. Dean/Principal teach?  
If yes, how many classes in a year.**

Lectures

Practical

**11.6 How is the Head of the Department appointed?**

Direct Selection ☒

Rotational ☐

Other (Specify) ☐

**11.7 Tenure of Head of the College**  Years  
Till retirement/transfer

**11.8 Tenure of Head of the Department**  Years  
Till retirement/transfer

**11.9 Promotional policies for faculty.**

Promotion of faculty is followed through Career Advancement Scheme (CAS) as per the guidelines of ICAR and UGC.

**11.10 Incentives and rewards for good performance.**  
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**11.11 Faculty Recruitment and Transfer Policy**

**a) Recruitment:**

Advertised nationally Yes ☒ No ☐

ICAR prescribed norm including

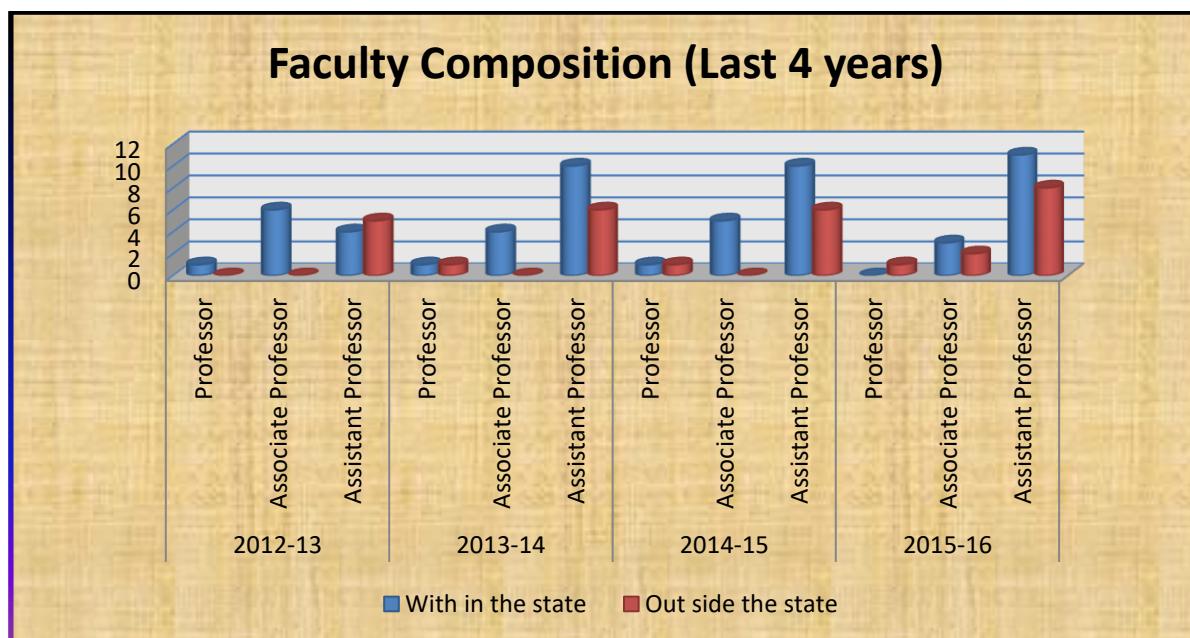
NET Followed Yes ☒ No ☐

**b) Transfer policy**

As per the need of teaching, research and extension, in the interest of the University, the transfer of faculty is executed by University authority.

### 11.12 Faculty composition for last 4 years

Year	Professors				Associate Professors				Assistant Professors			
	From within the state		From outside of the state		From within the state		From outside of the state		From within the state		From outside of the state	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
2011-12	-	-	-	-	-	-	-	-	-	-	-	-
2012-13	01	100	-	-	06	100	-	-	04	44.44	05	55.56
2013-14	01	50	01	50	04	100	-	-	10	62.50	06	37.50
2014-15	01	50	01	50	05	100	-	-	10	62.50	06	37.50
2015-16	-	-	01	100	03	60	02	40	11	57.89	08	42.11



### 11.13 Faculty Development

#### a) Brief description of the policy:

- Faculty members are nominated for winter/summer/refresher/orientation programs to improve their skills and knowledge.
- Faculty members are nominated for short term training programs organized by NAARM, SPIPA and such other organizations to improve their skills under HRD.
- Faculty members are encouraged to participate in seminars/conference/symposia/workshop at national and international level.
- Provision of higher study on need base and given as per seniority.

**b) Percentage of faculty who attended various development programme (last 4 years)**

Department	Faculty Development Programmes									
	Refresher Course/ Summer & Winter Course		Study Leave		Sabbatical leave		Workshop/ Seminar/ National Symposium		International symposium attended or foreign visits	
	No. of Faculty <sup>1</sup>	Percentage <sup>2</sup>	No. of Faculty <sup>1</sup>	Percentage <sup>2</sup>	No. of Faculty <sup>1</sup>	Percentage <sup>2</sup>	No. of Faculty <sup>1</sup>	Percentage <sup>2</sup>	No. of Faculty <sup>1</sup>	Percentage <sup>2</sup>
<b>Agronomy (3)</b>	2(2)	66.67	-	-	-	-	3(3)	100.00	-	-
<b>Soil Sci. &amp; Ag. Chem. (1)</b>	1(1)	100.00	-	-	-	-	1(3)	100.00	-	-
<b>Horticulture (1)</b>	1(1)	100.00	-	-	-	-	1(1)	100.00	-	-
<b>Genetics &amp; Pl. breeding (2)</b>	2(2)	100.00	-	-	-	-	2(2)	100.00	-	-
<b>Entomology (3)</b>	1(1)	33.33	-	-	-	-	3(22)	100.00	-	-
<b>Pl. Pathology (2)</b>	2(2)	100.00	-	-	-	-	2(14)	100.00	-	-
<b>Ext. Edu. (1)</b>	1(1)	100.00	-	-	-	-	1(11)	100.00	-	-
<b>Animal Sci. (0)</b>	-	-	-	-	-	-	-	-	-	-
<b>Agril. Econ. (2)</b>	2(2)	100.00	-	-	-	-	2(3)	100.00	-	-
<b>Agril. Engg. (2)</b>	2(2)	100.00	-	-	-	-	2(7)	100.00	-	-
<b>Stat. &amp; Comp. Sci. (2)</b>	2(2)	100.00	-	-	-	-	2(3)	100.00	-	-
<b>English (1)</b>	1(1)	100.00	-	-	-	-	1(1)	100.00	-	-
<b>Physical Education(1)</b>	1(1)	100.00	-	-	-	-	1(1)	100.00	-	-
<b>Total(21)</b>	<b>18(18)</b>						<b>21(71)</b>			

Note: Figures in parentheses show number of seminar/symposium/workshop/training attended

**c) Is the faculty development experience used in the area of training?**

Yes ☒ No ☐

- After completion of training/refresher courses/orientation programmes, the faculty gives seminar to other faculty members of the college.
- The knowledge acquired during training/refresher courses/orientation programmes become helpful in the preparation of research proposal/synopsis.
- With the help of such knowledge, the teaching standard is also improved.

**11.14 Faculty Achievements:**

	College Level	University Level	National Level	International Level
<b>2011-12</b>	--	--	--	--
<b>2012-13</b>	--	--	01	--
<b>2013-14</b>	--	01	--	--
<b>2014-15</b>	--	--	--	--
<b>2015-16</b>	--	--	--	--



*Dr. Z. P. Patel, Principal conferred upon FGI Award by CM Narendra Modi (12.09.2012)*

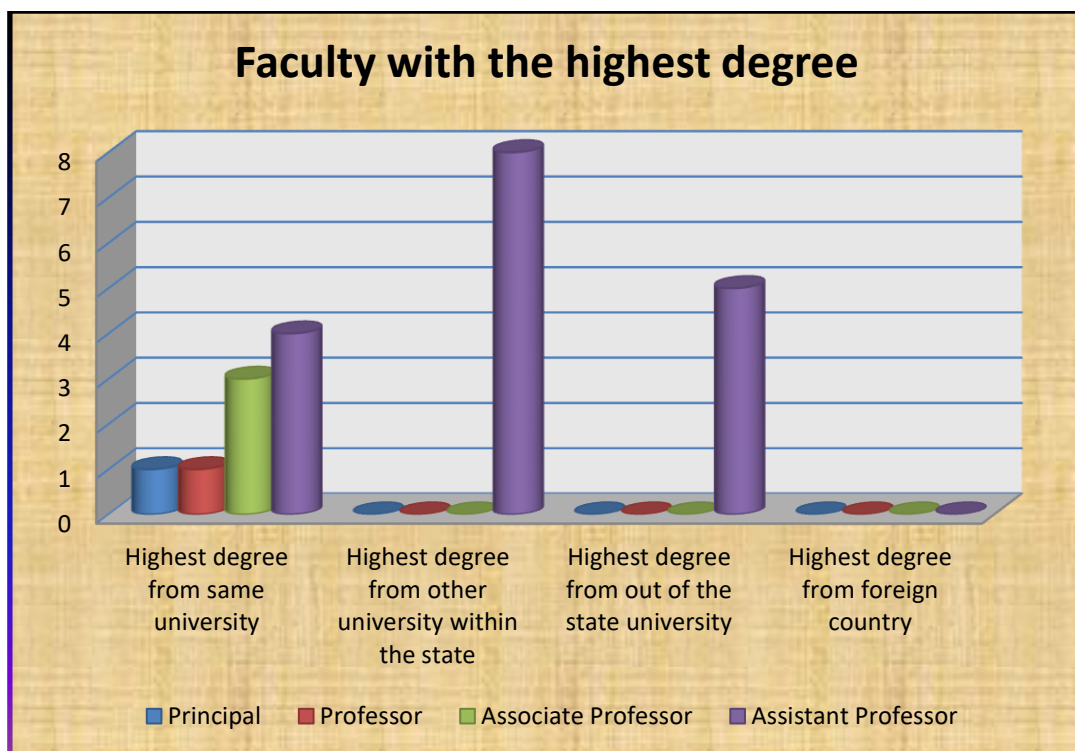


*Dr. Rahul Pisal, Assistant Professor received chancellor Gold medal from H.E., Governor, Gujarat*

### 11.15 Faculty Training

Number of faculty with the highest degree received locally, nationally and internationally.

Cadre	Highest degree from same university	Highest degree from other university within the State	Highest degree from out of the State university	Highest degree from Foreign Country
Professor (1)	01	-	-	-
Assoc. Professor (3)	03	-	-	-
Asstt. Professor (17)	04	08	05	
Total (21)	08	08	05	-
Percentage	38.10	38.10	23.81	-



## 11.16 Faculty strengths

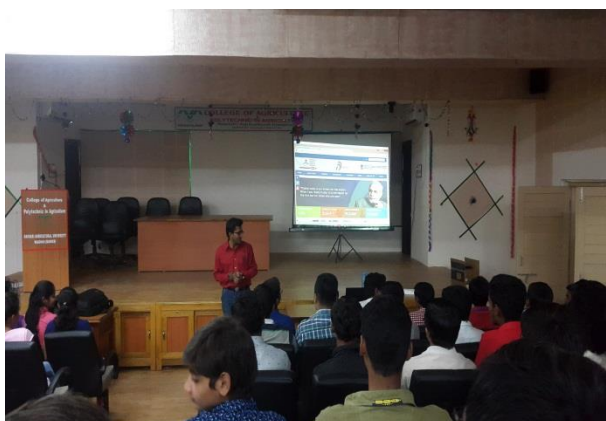
### a) National and International conferences/Training organized

Type of Conference	Number of Conferences	
	National	International
Symposia	-	-
Seminars/Conference	01	-
Workshops	-	-
Summer Institutes	-	-
Special Lectures	-	-
Training	03	-
Others	-	-



*Awareness seminar on “Right to Education Act”*

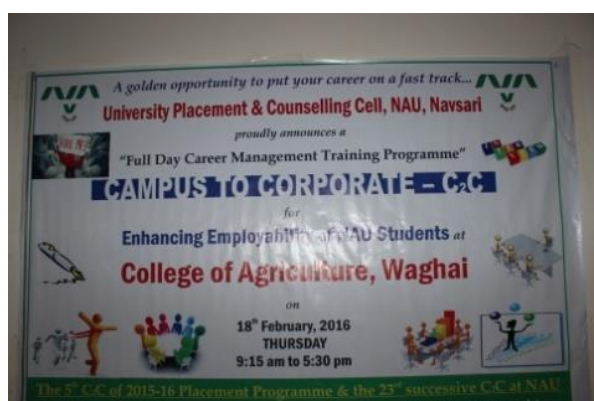




*National Digital Literacy Mission of Government of India*



*National council for Climate change, Sustainable Development and Public Leadership*



*"Campus to corporate", Enhancing Employability, NAU students at waghai*



**b) Does your faculty possess competence to conduct international training programme**

Yes

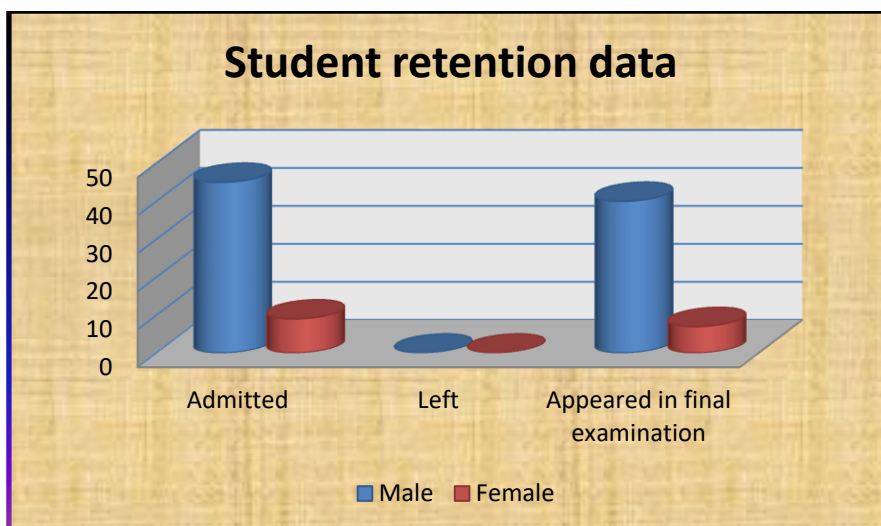
## 12. STUDENTS AND STUDENT DEVELOPMENT

### 12.1 Details of Under-graduate and Post-graduate Programmes in the college

Department	Year Started	Approved Seats	Actual Enrolment	
			Year Established	2015-16
Under Graduate				
B.Sc. (Hons.) Agri.	2012-13	55	45	48

### 12.2 Student retention data for last 4 years

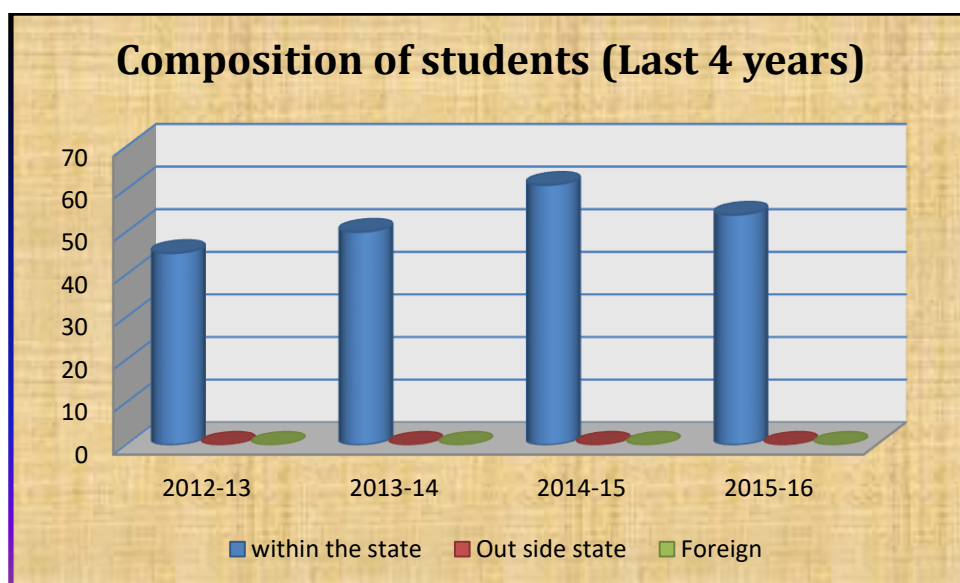
Graduating Year	Students admitted					Dropped				Appeared in final examination				Percentage passed	
	Program (Adm. year)	M		F		M		F		M		F		M	F
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	%	%
2015-16	UG (2012-13)	45	83.33	09	16.67	-	-	-	-	40	85.11	07	14.89	100	100
	PG	-	-	-	-	-	-	-	-	-	-	-	-	-	-



*First batch of College of Agriculture, NAU, Waghai*

### 12.3 Composition of Students during last four years

Year	UnderGraduate						PostGraduate					
	Within the State		Outside State		Foreign		Within the State		Outside State		Foreign	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
2012-13	45	100	-	-	-	-	-	-	-	-	-	-
2013-14	50	100	-	-	-	-	-	-	-	-	-	-
2014-15	61	100	-	-	-	-	-	-	-	-	-	-
Current Year	58	100	-	-	-	-	-	-	-	-	-	-
Total	214	100	-	-	-	-	-	-	-	-	-	-



## 12.4 Admission Policy

a) Are Students admissions policies clearly defined and conform to the ICAR norms?

Yes ☒ No ☐

b) Basis for Admission:

Particular of Examination	UG	PG
Qualifying Examination	10 + 2 Science (Physics, Chemistry & Biology) 60 % weightage + GUJCET 40 % weightage	-
Entrance Examination	No	-
Others (Specify)	-	-

The student admission policies are as per ICAR norms. The admission in UG is on merit basis.

## 12.5 Student Reservation as per State Government Rules

Category	UG		PG	
	No.	%	No.	%
General	27	51	-	-
SC	03	07	-	-
ST	08	14	-	-
OBC	14	27	-	-
Farmer's ward	-	-	-	-
Others (Specify)	03	-	-	-
Total	55	100	-	-
ICAR	-	-	-	-

## 12.6 Student Evaluation

Examination	UG	PG
Internal (percentage)	20 Theory + 20 Practical	-
External (percentage)	80 Theory + 80 Practical	-
Other (Specify) (percentage)	-	-

## 12.7 Frequency of Student Evaluation (Per cent Weightage)

Examination	UG		PG	
	Theory	Practical	Theory	Practical
Monthly	20 (Two one hour tests)	-	-	-
Quarterly	--	20 (Internal Practical Examination)	-	-
Semester-wise	80 (Semester end theory examination)	80 (Semester end practical examination)	-	-
Others (Specify)	-	-	-	-

## 12.8 Mode of Student Evaluation (Per cent weightage)

Mode	UG	PG
Quiz/test	20	-
Assignment	-	-
Term Papers	80	-
Seminars	-	-
Others (Specify)-	-	-

## 12.9 Student involvement in RAWE/equivalent programme:

a) Is there a separate coordinator for the programme? Yes ☒ No ☐



b) Is there a student feedback mechanism established? Yes ☒ No ☐

**Examples of feedback received:**

1.	Problem faced by the farmers in field are ascertained.
2.	Living methods of farmers are experienced.
3.	Functioning of village is well aware.
4.	Theoretical knowledge gained in classroom is practically experienced.
5.	The skill of communication with farmers is improved.
6.	Improve the technical skills in performing various Agricultural operations.
7.	Learn the techniques of survey and farm planning.
8.	Got the experience of organizing various extension education activities in the village.
9.	Attitude towards farming enterprise and the farmers changed positively.
10.	Got aware about various developmental programmes/schemes being operated in the village.

**12.10 Students achievements in national competitions during last 4 years**

Year	JRF (NTS)		SRF		ARS-NET		OTHERS (SPECIFY)	
	No.	%	No.	%	No.	%	No.	%
2012-13	-	-	-	-	-	-	-	-
2013-14	-	-	-	-	-	-	-	-
2014-15	-	-	-	-	-	-	-	-
2015-16	01	2.13	-	-	-	-	-	-

**12.11 Sports and Physical Education**

Details regarding status of physical education facilities are given below:

Sr. No.	Games and sports	Equipment and infrastructure available	Adequate/ Inadequate
1.	Volley ball	Volley ball court with light & adjacent pole	Adequate
2.	Kho – Kho	Clay court	Adequate
3.	Kabaddi	Clay court	Adequate
4.	Table tennis	T.T. table and racket	Adequate
5.	Chess	Facilities (10 students)	Adequate
6.	Basketball	Basketball court	Adequate
7.	Cricket	Cricket ground and accessory	Adequate
8.	Athletics	Standard equipments	Adequate
9.	Gymnasium	Gymnasium with equipments	Adequate







## 12.12 Participation of students in sports and games

The students took active participation in sports and games at University, Zonal and National level and obtained awards/recognition.

Name of sport	Level of Participation (both Boys and Girls)				Award / recognition (Position)			
	University	Zonal	National	Internati onal	University	Zonal	National	Internati onal
<b><u>2012-13</u></b>								
Kho-Kho	-	-	-	-	-	-	-	-
Kabbaddi	-	-	-	-	-	-	-	-
Volley Ball	-	-	-	-	-	-	-	-
Cricket	-	-	-	-	-	-	-	-
Athletes	-	-	-	-	-	-	-	-
<b><u>2013-14</u></b>								
Kho-Kho	-	-	-	-	-	-	-	-
Kabbaddi	01	-	-	-	-	-	-	-
Volley Ball	01	-	-	-	-	-	-	-
Cricket	-	-	-	-	-	-	-	-
Athletes	-	-	-	-	-	-	-	-
<b><u>2014-15</u></b>								
Kho-Kho	-	-	-	-	-	-	-	-
Kabbaddi	02	-	-	-	-	-	-	-
Volley Ball	01	-	-	-	-	-	-	-
Cricket	-	-	-	-	-	-	-	-
Athletes	-	-	-	-	-	-	-	-
<b><u>2015-16</u></b>								
Kho-Kho	01	-	01	-	-	-	-	-
Kabbaddi	-	-	-	-	-	-	-	-
Volley Ball	-	-	-	-	-	-	-	-
Cricket	05	-	-	-	-	-	-	-
Athletes	-	-	01	-	-	-	1 <sup>st</sup> rank (Gold medal)	-



**12.13 Does the college have a Physical Education Instructor?**

Yes ☒ No ☐

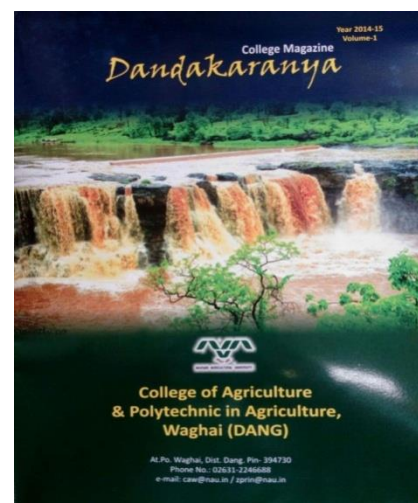
**12.14 Student involvement in NCC**

Is the NCC compulsory? Yes ☐ No ☒

**12.15 Does the college have cultural programme?**

Yes ☒ No ☐

Cultural programmes are organized during Annual Social Gathering of the college. All the students are actively take part in drama, folk dance, mime, mono-acting, mimicry, costume competition, painting and rangoli as well as musical events. Various days like rose day, chocolate day, twins day, sari & tie day, traditional day and business day are also celebrated. First college magazine ***“Dandakaranya”*** is also released during first Annual gathering.



**Release of First College Magazine (01.05.2015)**





### 12.16 Student Financial Aid

Number of students who received financial aid during last year

Source	Under Graduate		Post-Graduate		Research	
	No.	%	No.	%	No.	%
Central Govt.	-	-	-	-	-	-
ICAR	-	-	-	-	-	-
State Govt.	96	100	-	-	-	-
University	-	-	-	-	-	-
College	-	-	-	-	-	-
Others	-	-	-	-	-	-
Total	96	100	-	-	-	-

### 12.17 Student Counseling and Placement Services:

Does the college maintain a student counseling and placement services?

Yes ☒ No ☐

Year-wise data are asunder:

Year	Total Number of graduates	Job obtained in different sectors					
		Government Services	Industry	Self employed		Further Education	Other (Specify)
				Farming	Business		
2012-13	-	-	-	-	-	-	-
2013-14	-	-	-	-	-	-	-
2014-15	-	-	-	-	-	-	-
2015-16	47	-	02	-	-	25	-
Total	47	-	02	-	-	25	-

### 12.18 Alumni affairs:

#### a) Alumni association

Is there an Alumni association of the college? Yes ☒ No ☐

#### b) Alumni achievements --

Alumni association formed in 2016.

### 13.Academic Programmes and Curricula

#### 13.1 Medium for Instruction:

English	<input checked="" type="checkbox"/>
Hindi	<input type="checkbox"/>
Regional Languages	<input type="checkbox"/>
Other (Specify)	<input type="checkbox"/>

#### 13.2 Does your institution follow academic regulations,curricula and syllabi as recommended by ICAR?

Yes ☒ No ☐

#### 13.3 (a) Mechanism/Bodies for course curriculum development at college level:

Not at college level, but through Board of studies and Academic council constituted by Vice-Chancellor.

#### (b) Mechanism/Bodies for course curriculum development at university level.

The teachers discuss the present syllabus and take feedback from students and stakeholders. The syllabus recommended by Dean's committee is taken as base and local requirement are added in formulation of syllabus. The final syllabus subsequently put up in Faculty and Academic council for approval.

#### (c) Describe the PG thesis evaluation system:

This college is teaching under graduate level only

#### 13.4 Please provide the curricula and syllabi approval process:

- In order to follow common course curricula in SAUs of Gujarat, Nodal Officer & Vice Chancellor of Anand Agricultural University decides about implementation of Deans' Committee report in all SAUs of Gujarat.
- The Registrar of concerned University puts first these syllabi in respective Board of Studies for approval.
- After approval of Board of Studies, the Registrar again put this approved syllabi in Academic Council for final approval. After approval, the Registrar issues the notification for implementation. Academic norms suggested for course duration,

syllabus, credit load, rules and regulation, etc., are revised from time to time as per the guidelines of ICAR, New Delhi.

- From the academic year 2008-09, the college already implemented the under graduate course curriculum as recommended by the 4<sup>th</sup> Deans' committee of the ICAR.

### 13.5 How are the curricula and syllabi communicated?

- a) College handbook ☐
- b) College Prospectus ☒ University level
- c) Academic calendar ☒ University level
- d) Annual report ☒ Both College and University level
- e) Others ☒ Every year details are available on website  
(Online information)

### 13.6 Indicate the methods the college uses to encourage teaching-learning process:

#### a) Instructional methods

Instructional methods	UG	PG
Conventional Classroom Instruction	50	-
Special Lectures	-	-
Seminar	-	-
Home Assignment	-	-
Field Work	30	-
Computer aided teaching/ learning	10	-
Others (Study tour)	10	-

#### b) Instructional Material:

- i) Are the lecture schedules distributed among students in the beginning of the course?

Yes ☒ No ☐ Comments

- ii) Is the instructional material distributed in the beginning of the course?

Yes ☐ No ☒ Comments

### 13.7 Number of seminar required for:

Masters' Degree: -

Doctoral Degree: -



### 13.8 Student Teacher Ratio:

Give student teacher ratio for UG and PG courses separately and compare this with ICAR norms (Theory- 60:1, Practical/Tutorial-15-20:1, Project- 20:1)

Department	Under-graduate			Post-graduate*		
	Theory	Practical/Tutorial	Project	Theory	Practical/Tutorial	Project
Agronomy	94:1	47:1	-	-	-	-
Soil Sci. & Ag. Chem.	75:1	38:1	-	-	-	-
Horticulture	92:1	46:1	-	-	-	-
Genetics & Pl. breeding	63:1	32:1	-	-	-	-
Entomology	69:1	35:1	-	-	-	-
Pl. Pathology	67:1	34:1	-	-	-	-
Ext. Edu.	75:1	38:1	-	-	-	-
Animal Sci.	75:1	38:1	-	-	-	-
Agril. Econ.	150:1	75:1	-	-	-	-
AgrilEngg.	150:1	75:1	-	-	-	-
Stat. & Comp. Sci.	38:1	19:1	-	-	-	-
English	50:1	25:1	-	-	-	-

### 13.9 Has the teaching programme been evaluated before?

Yes ☒ No ☐

### 13.10 Does the Dean get feedback from Alumni about teaching programmes?

Yes ☐ No ☒

First batch of a graduation passed out in June 2016 and Alumni association is also formed.

## 14. LIBRARY AND LEARNING CENTRES

### 14.1 Does the College have a Central Library?

Yes ☒ No ☐

Number of Books	62709
Number of Periodicals Subscribed Annually	180
Number of Professional Journals	148
Subscribed	32
Through CeRA	3703

#### 14.2 Does the Library have internet connectivity

Yes

☒
☐

Comments



#### 14.3 List the various educational materials available in the library/media centre

Type of material	Description of material	Application
• Books	Textbooks, Reference books of Agriculture and Allied Sciences.	1. Circulation Service 2. Reference Service 3. Classification Service 4. Cataloguing Service 5. Current Awareness Service 6. Selective Dissemination Information service 7. Bibliographical Information Service 8. Reprography Service 9. Internet based Information Service 10. Online Public Access Catalogue Service (OPAC)
• Journals	Subscribed of Regional, National and International Journals of Agriculture and Allied Sciences in Print Form as well as e-form also.	
• E-books	E-books of Agriculture and Allied Sciences	
• Bound Vol. of periodicals	Library has converted to bound volume which was subscribed in loose issue.	
• Reports	Library has added more than 400 Reports in Print form as well as e-form in every year.	
• Theses	Library has added more than 200 M.Sc. and PhD. thesis in Print form as well as e-form in every year.	

#### 14.4 Does the Library/media center maintain a record for utilization of various materials?

Yes

☒

No

☐

**14.5 List training programmers, encouraging faculty, staff and student for the use of library and media center**

Training Programme	Trainees	Duration
<ul style="list-style-type: none"> <li>Library Orientation</li> </ul>	All UG Students	Starting of the Course
<ul style="list-style-type: none"> <li>User's Education</li> </ul>	UG Students	Twice in a year
<ul style="list-style-type: none"> <li>My Favorite Book Talk</li> </ul>	UG Students	First and Third Saturday Every Month

**14.6 Indicate library holdings at department level:**

Department	Text books	Other books	Periodicals	Journals	Magazines
Agronomy	156	-	-	-	-
Soil Sci. & Ag. Chem.	72	-	-	-	-
Horticulture	186	-	-	-	-
Genetics & Pl. breeding	63	-	-	01	-
Entomology	95	-	-	01	-
Pl. Pathology	172	-	-	-	-
Ext. Edu.	108	-	-	-	-
Animal Sci.	20	-	-	-	-
Agril. Econ.	90	-	-	-	-
AgrilEngg.	51	-	-	-	-
Stat. & Comp. Sci.	114	-	-	-	-
English	23	96	-	-	-
Others	-	311	-	01	-
Total	1148	407	-	03	-

**14.7 Percentage of the library functions computerized**

Purchase of Books	100
Lending of Books	100
Lending of A/v material	100
Inventory	100

**14.8 Extent of Library use by Various clients during last year**

Facilities	Faculty (%)	Student (%)	Staff (%)
Computer	30	60	10
Micro-films	-	-	-
A/v Material	40	52	08
Photocopying	11	80	09
Fax	70	02	28
E-mail	50	40	10
Others	-	-	-

### 14.9 Computer Centre

Is there a central computer facility in the college?

Yes ☒ No ☐ Comments

No. of Terminals	Unit	Configuration	No. of supporting Units	
			UPS	Printer
U.G. Computer centre	30	Intel Core i3, Core 2 Duo	30	-
Computer Facilities for Staff	25	Intel Core i3	25	10

### 14.10 Is there is Central Instrumentation lab facility?

Yes ☒ No ☐ Comments

#### Major Instruments installed in the Central Instrumentation Lab

Sr. No.	Name of the instruments
1	Autoclave
2	UV – Vis Spectrophotometer
3	Electronic weighing balance
4	BOD meter
5	COD meter
6	Laminar Air flow
7	Trinocular Microscope
8	Stereo zoom Trinocular microscope
9	BOD incubator
10	Digital brix meter
11	Digital penetrometer
12	Deep Freezer
13	PCR
14	Centrifuge
15	Horizontal and Vertical gel electrophoresis
16	pH meter
17	Flame photo meter
18	UV trans-illuminator

#### 14.11 Name department- wise laboratories established

Sl. No.	Departments	Name of laboratories
1	Agronomy	Agronomy laboratory
2	Soil Sci. & Ag. Chem.	Soil Chemistry laboratory
3	Horticulture	Horticulture laboratory
4	Genetics & Pl. breeding	Genetics & Plant breeding laboratory
5	Entomology	Entomology laboratory
6	Pl. Pathology	Plant pathology& Microbiology laboratory
7	Animal Sci.	-
8	Ext. Edu.	} Extension Economics laboratory
9	Agril. Econ.	
10	Agril. Engg.	Agricultural Engineering laboratory
11	Stat. & Comp. Sci.	Computer center
12	English	-



**Soil Chemistry laboratory**



**Entomology laboratory**





**Practical Crop Production by Students**



**Plant Pathology & Microbiology laboratory**



**Agricultural Engineering laboratory**



**Genetics & Plant breeding laboratory**





**Horticulture Laboratory**



**Stat. & Comp. Sci. Laboratory**

#### **14.12 Retreat and other facilities /student interaction forums.**

The College of Agriculture organizes fresher's welcome day and orientation programme every year for newly admitted UG students. The college also forms student representative committee to discuss the various issues and activities of the students. Each student is assigned the advisor who take care of the students problems. For overall development and to motivate their hidden skills, the college celebrates Annual Day Function and publishes biannual college magazine.

For free interaction and communication of ideas among the students and teachers various guest speakers, spiritual/yoga persons, and agriculture related company

experts are invited from time to time. Several workshops like leadership development programme, anti-ragging, competitive examination, seminar etc. are organized for various skill development and talents among the students.

## 15. FISCAL RESOURCES

### 15.1 Total College Budget during last 5 years (Rs. in lakhs and per cent)

S r. N o.	Particulars	Years									
		2011-12		2012-13		2013-14		2014-15		2015-16	
		Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
1	<b>Non-plan (State)</b>	-	-	-	-	-	-	-	-	-	-
2	<b>Plan (State)</b>	-	-	93.48	100	215.36	99.7	273.75	100	334.70	100
3	<b>Internal resources</b>	-	-	-	-	-	-	-	-	-	-
4	<b>ICAR including development</b>	-	-	-	-	-	-	-	-	-	-
5	<b>Others (specify)</b>	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	-	-	93.48	100	215.36	100	273.75	100	334.70	100

### 15.2 Internal resources during last five years (Rs. in lakhs and per cent):

Sr. No.	Sources	Years									
		2011-12		2012-13		2013-14		2014-15		2015-16	
		Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
1	<b>Farm including Dairy, poultry etc.</b>	-	-	-	-	-	-	-	-	-	-
2	<b>Student Fees</b>	-	-	5.7	100	10.09	100	15.65	100	19.34	100
3	<b>Consultancy</b>	-	-	-	-	-	-	-	-	-	-
4	<b>Hiring out college facilities</b>	-	-	-	-	-	-	-	-	-	-
5	<b>Funds raised by Alumni Groups</b>	-	-	-	-	-	-	-	-	-	-
6	<b>Others (specify)</b>	-	-	-	-	-	-	-	-	-	-
	<b>Total</b>	-	-	5.7	100	10.09	100	15.65	100	19.34	100

### 15.3 Library Budget during last five years (Rs. in lakh and per cent)

#### (a) Details of Budget (University Library)

S. No.	Source	Years									
		2011-12		2012-13		2013-14		2014-15		2015-16	
		Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
1	Non Plan	12.29	6.28	1.16	0.67	4.74	3.80	4.56	1.70	4.56	2.67
2	Plan	118.40	60.50	120.86	68.62	69.20	49.47	164.00	61.30	166.17	97.33
3	Internal	-		-		-		-		-	
4	ICAR	65.00	33.22	54.10	30.71	65.94	47.15	99.00	37.00	-	-
5	Others(specify)	-									
	<b>Total</b>	<b>195.69</b>	<b>100.00</b>	<b>176.12</b>	<b>100.00</b>	<b>139.88</b>	<b>100.00</b>	<b>267.56</b>	<b>100.00</b>	<b>170.73</b>	<b>100.00</b>

#### (b) What percentage is library budget to the total college(University) budget?

2%

### 15.4 Department-wise annual budget during current year of total college budget

(Rs. lakh and per cent):

No separate department wise budget but expenses are incurred from college budget.

### 15.5 Basis of budget allocation to each department

Allocation of budget is done on the basis of work progress, requirement and priority of the particular department of the College.

### 15.6 Provide the budget allocation under the following sub-heads for current year

Sub-heads	Amount (Rs. in lakhs)	per cent
a) Establishment and b) TA	212.58	63.50
c) Recurring contingency	55.80	16.67
d) Works	-	-
e) Maintenance	-	-
f) Others (Non-Recurring)	66.38	19.83
<b>Total</b>	<b>334.76</b>	<b>100.00</b>

### 15.7 College fees and other charges per year

Categories of fees and charges	UG		PG	
	Boys	Girls	Boys	Girls
1. Tuition fees	7000	Fee exempted	-	-
2. Hostel charges	3000	Fee exempted	-	-
3. Laboratory fees	1000	1000	-	-
4. Others	5000	5000	-	-
5. Total (Per Year)	16000	6000	-	-
6. Onetime fee at the time admission (Caution money/hostel deposit/mess deposit/id card/ electric deposit, etc. Student amenities)	5700	5700	-	-

### 15.8 Indicate the year of the last revision of fees and other charges

The last revision of fees and other charges were made in the year 2012-13.

### 15.9 Accounting and record keeping

Please briefly describe accounting, record-keeping and auditing system followed:

The account and records are maintained as per the Rules and Regulations of University prepared in the form of Statutes. These accounts and records are audited by internal auditor, CA and local fund (government) auditors.

#### Accounting:

1.	Account operate in online ERP software
2.	Pay bill
3.	Travelling Allowance bill
4.	Detail Contingency Bill
5.	Works Bill
6.	Abstract/NPDC Bill
7.	Permanent Advance Bill
8.	LTC Bill
9.	Pension/Medical Bill

**Record- Keeping:**

1.	Cash Book Register	16.	T.A. Bill Register
2.	Receipt Register	17.	Dead stock Register
3.	Expenditure Register	18.	Stationary Register
4.	Grant Register	19.	Telephone Register
5.	Voucher Register	20.	Electrical Register
6.	Abstract Bill register	21.	Petty store Register
7.	Bill register	22.	Pay and Allowances Register
8.	Sanction Register	23.	Log book for instrument
9.	Library Register	24.	Log book for vehicles
10.	LabourSheet	25.	CL Register
11.	Consumable Register	26.	Repairing Register
12.	Service Books	27.	Cheque/DD Register
13.	Newspaper Register	28.	Permanent Advances Register
14.	Out ward/ Inward Register	29.	Contingency Classification Register
15.	Attendance Register for Non-teaching staff	30.	PF/NPS Pass Book

**15.10 Powers of the head of the college for sanctioning:**

Following Power of the Head of the College as per the Statute 121 State Agricultural Universities of Gujarat (Delegation of Powers) Rule 2011

Detail	Full	Partial	Amount (Rs. in lakh)
Equipment	-	Yes	Up to 3.0 lakhs per year
TA for staff	-	Yes	As per common statute 121
Recurring contingency	-	Yes	Up to 0.5 lakh per year
Others	-	Yes	Up to 3.0 lakhs per year

**15.11 Powers of Head of the Department for Sanctioning:**

The head of the college sanction the proposals put up by Head of the department.



## 16. Physical Facilities

### 16.1 Total Land Area in hectare

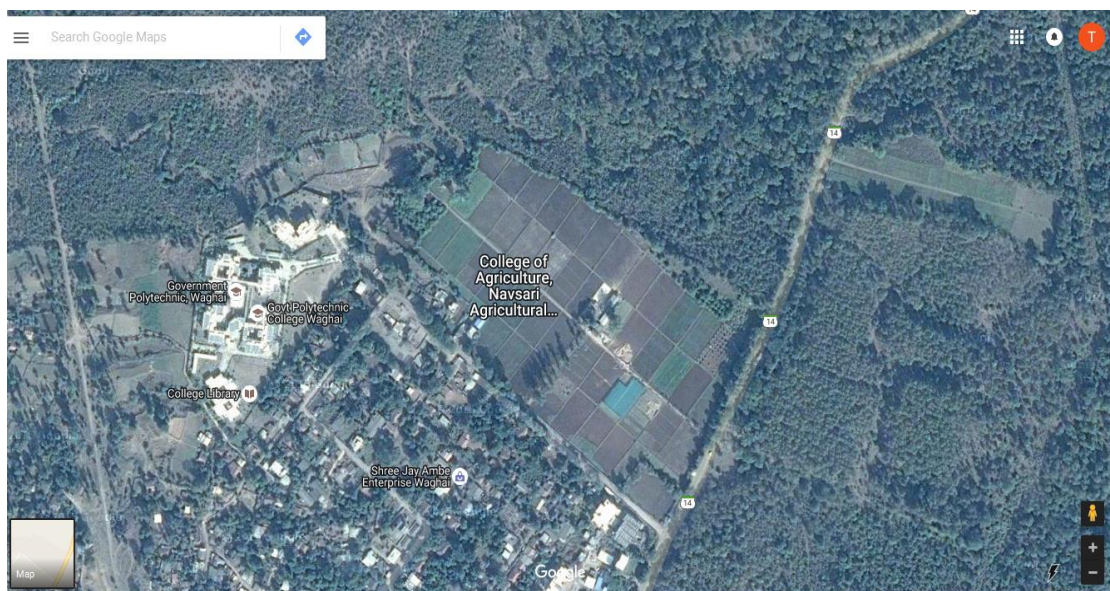
Academic Campus 3.63 Hectare

Farm (Rambhas&Rajendraur farm 20.05 Hectare

Irrigated land in hectare (area and per cent of total farm) 20.05 Hectare (100%)



*Google Image of “Rambhas Farm”*



*Google Image of “Rajendrapur Farm”*

### 16.2 Does the college have an Estate Office?

Yes ☒ No ☐

It is at university level.

16.3 Enclose the site plan of the college indicating the existing buildings and other planned for future and give details

Facility	Hectares / sq.m.
Academic buildings	2207.00 m <sup>2</sup>
Students hostels	6346.60 m <sup>2</sup>
Housing for staff	1232.10 m <sup>2</sup>
Play-grounds	2927.50 m <sup>2</sup>
Administrative buildings	66.50 m <sup>2</sup>
Open spaces	24916.90 m <sup>2</sup>
Gardens and farms	1879.00 m <sup>2</sup>
Cattle sheds	-
Health facilities	-
Library	192.00 m <sup>2</sup>
Irrigation infrastructure	-
Others	-



Site plan of the college campus, Waghai



#### 16.4 Give the following infrastructure information

Sl. No.	Particulars	Availability			
		No. of unit	Plinth Area (Sq. m)	Capacity if applicable	Adequate (Yes/No)
1	Administrative offices	01	66.50	-	Yes
2	Classroom	03	371.25	-	Yes
3	Laboratory	05	675.00	-	Yes
4	Library	01	192.00	-	Yes
5	Housing for faculty	06	480.00	-	Yes
6	Boys' hostels	01	3200.00	-	Yes
7	Girls' hostel	01	1819.32	-	Yes
8	Sports complex	01	15.00	-	Yes
9	Guest house	01	5.00	-	Yes
10	Canteen	02	15.00	-	Yes
11	Health clinics	-	-	-	-
12	Workshops	-	-	-	-
13	Faculty club	-	-	-	-
14	Auditorium	01	1300.00	-	Yes
15	Others (specify)	-	-	-	-

#### 17. RESEARCH AND EXTENSION EDUCATION

##### 17.1 Is there a separate Directorate of

a) Research - Yes ☒ No ☐

b) Extension Education - Yes ☒ No ☐

##### 17.2 Annual Budget for Education, Research and Extension (Rs. in lakhs and per cent):

Budget	Education Resident Instruction	Research	Extension
Non-Plan	-	-	-
Plan	334.70	-	-
Internal sources*	-	-	-
ICAR	-	-	-
Others	-	-	-

\* It indicates student fees and farm income, respectively

### 17.3 Faculty involvement in Research and Extension Education

Most of the departments are involved in teaching, research and extension.

Particular	No. and percent of faculty with joint responsibility							
Department-wise	T R E		T R		T E		R E	
	No.	%	No.	%	No.	%	No.	%
Agronomy	03	100						
Soil Sci. & Ag. Chem.	01	100		-		-		-
Horticulture	01	100		-		-		-
Genetics & Pl. breeding	02	100		-		-		-
Entomology	03	100		-		-		-
Pl. Pathology	02	100						
Animal Sci.	-	-		-		-		-
Ext. Edu.	01	100		-		-		-
Agril. Econ.	02	100		-		-		-
AgrilEngg.	02	100		-		-		-
Stat. & Comp. Sci.	02	100		-		-		-
English	01	100		-		-		-
Physical Education	-	-	-	-	-	-	-	-

### 17.4 Name the ad-hoc research scheme presently in operation in the college

Nil

### 17.5 Publications in last 4 years

Department	No. of papers published		No. of extension publications	Practical Manuals	Books	Others (specify)
	Research	Others				
Agronomy	13	-	03	06	01	01
Soil Sci. & Ag. Chem.	06	-	00	06	00	00
Horticulture	07	-	00	02	00	09
Genetics & Pl. breeding	02	-	00	06	00	00
Entomology	28	01	05	05	05	00
Pl. Pathology	08	-	01	06	01	00
Animal Sci.	00	-	00	00	00	00
Ext. Edu.	03	-	00	02	00	00
Agril. Econ.	04	-	00	21	01	02
AgrilEngg.	09	-	00	00	01	00
Stat. & Comp. Sci.	13	-	00	00	01	00
English	02	-	00	01	00	00
Physical Education	00		00	00	00	00
Total	118	01	09	55	10	11

**17.6 Research, Educational, Extension and other activities organized during the last 4 years:**

Sl. No.	Particular	No. of program	Total Participants
1	Training on Research methodology	-	-
2	Symposia/Workshop	01	80
3	Summer/Winter/Short Courses	-	-
4	Production oriented training Programmes	-	-
5	Extension Fairs	05	5000 App.
6	Others (Specify)	-	-



*AGRESO (Plant protection)*

**17.7 Mechanisms for student involvement in research and extension programmes.**

This college offers only Under graduate degree. The students of 7<sup>th</sup> semester under goes RAWE programme

**17.8 Public information**

**i) Public forums**

Does the college hold open house to receive community input?

Yes ☒ No ☐

If yes, indicate the number of such annual events held



ii) List the publications of the college that impart information on:

<b>A</b>	<b>Educational programmes including curricula and syllabi</b>	
	<ul style="list-style-type: none"> <li>List of educational programmes including curricula and syllabi is published on university's website.</li> <li>At University level folder and leaflets of different educational programme is published. In all <i>KrishiMahotsav</i> a stall is arranged by Registrar's office and exhibited and guided the visitors about different educational programme run by the university.</li> </ul>	
<b>b</b>	<b>Admission Policies</b>	
	<ul style="list-style-type: none"> <li>Admission Policies is published on university's website.</li> <li>At University level folder and leaflets of different educational programme is published with basic requirement for securing admission in particular programme. In all <i>KrishiMahotsav</i> a stall is arranged by Registrar's office and exhibited about admission policies and also guided the visitors about need for admission in different educational programme run by the university.</li> <li>The admission policies and academic regulations of UG and PG programmes are approved by the academic council and separately published.</li> <li>Before admission procedure a one day workshop/seminar is organized just to guide the students about the eligibility and admission procedure for those interested to secure admission in agric. programme.</li> </ul>	
<b>C</b>	<b>Learning Resources</b>	Lecture + Practical + Research + Experience Learning (RAWE)
<b>d</b>	<b>Student Resources</b>	Prospects is published
<b>E</b>	<b>Fees and other Charges</b>	Prospects is published
	In Eighth semester, transcript fee Rs. 100-/is extra	In fourth Semester, transcript fee Rs. 100-/ is extra.
<b>F</b>	College Calender	Yes
<b>G</b>	Faculty Directory	Yes at University level
<b>h</b>	Personnel Manual	Department wise information published on university website
<b>I</b>	Other	PAD update regularly on university website

## 18. ACCOMPLISHMENTS

- To perform the various agricultural activities, the state Government (Mumbai state) established research farm in 1955 at Waghai in Dangs district and was initially under the control of State Agriculture Department. It was transferred to erstwhile Gujarat Agricultural University in 1972 and to the Navsari Agricultural University in 2004.
- The whole campus is located at two different places and located 4 km apart from each other. One is situated on the left side of road to Ahwa in village Rajendrapur, just 200 m from Waghai village circle. The total area is about 13.47 hectares. It has (i) Main

Hill Millet Research Station (ii) KrishiVigyan Kendra (iii) Agricultural Polytechnic erstwhile Agriculture Cooperation & Marketing and (iv) College of Agriculture.

- The other farm is situated in Rambhas village on the road to Saputara. The total area of it is about 10.05 hectares, where only research activities are going on.
- Agricultural schooling started in Dangs in 1985-86 which was later upgraded to the Polytechnic in Agriculture cooperation and marketing in 2010-11 and thereafter to Polytechnic in Agriculture from 2014-15.
- However, there was no facility of higher education based specially on Agriculture and allied fields. This was more needed particularly for sons and daughters of poor tribals, small and marginal farmers who could ill afford to send their wards to far off places in Gujarat or outside the state. Hence, there was a strong need to establish an institute which can cater to the educational need of tribal population with respect to Agriculture and allied fields in particular. So, the Government of Gujarat under Tribal Sub-Plan decided to establish full-fledged College of Agriculture at Waghai which is a constituent college of Navsari Agricultural University.
- Thus, College of Agriculture started functioning from 2012-13 and students are admitted to four years B.Sc.(Hons.) Agriculture degree programme for the first time in July, 2012.
- If we focus on growth of the college, initially the college was started in RKVY building.



- After completing less than one year, college shifted to new building of Polytechnic with well furnished class rooms, laboratories, library etc. Every class room has digital projector and CCTV cameras.
- A new building of Girls hostel with 100 capacity is also established at this centre.

- A new degree college building as well as boys hostel of 160 capacity are under construction and will be available by December -2016.



**"Shabari" - Girls Hostel**



**Seminar hall**

- Presently college building, new boys hostel, principal bungalow and staff quarters are under construction and likely to be completed soon.



**Principal Bungalow**



**New college building**





**New Boys Hostel (Capacity -160 boys)**

- A spacious playground for all the sports as well as a well equipped gymnasium are made available at a college campus.
- A well planed crop cafeteria at the campus is under progress.

### Other activities

#### Saraswati Sthapna (01.10.2014)



**Bhoomipujan of New College building**  
25.11.2014

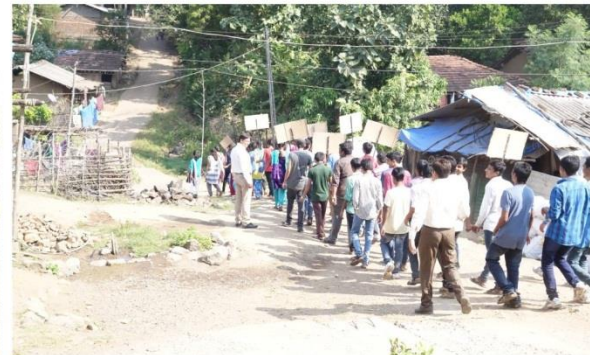


**Inauguration of College building & Shabri Girls Hostel (30.11.2014)**





## NSS Activites





**VyasanmuktiAbhiyan**



**Run for Unity**



**Business day**



**Sahid divas**



**Dangi dance**



**Yoga day**





### Navratri Celebration



### Swachta Abhiyan



### Flag hosting



### RAWE programme presentation







# College of Agriculture

NAVSARI AGRICULTURAL UNIVERSITY  
WAGHAI (DANGS) - 394 730 (GUJARAT)

**Dr. Z. P. Patel**  
PRINCIPAL

Email : [zprin@nau.in](mailto:zprin@nau.in), [caw@nau.in](mailto:caw@nau.in), [zeeprincipal@gmail.com](mailto:zeeprincipal@gmail.com), [zpachras@rediffmail.com](mailto:zpachras@rediffmail.com)  
Phone : (O) 02631-246688, Fax : 02631- 246622  
Mobile : 09624363999, 9099963219

Date : 18/10/2016

## Certificate of the Self Study Report of a College

To,  
The Secretary,  
Accreditation Board,  
Indian Council of Agricultural Research,  
Krishi Anusandhan Bhavan-II, Pusa,  
New Delhi - 1100012

**Sub:- Submission of Self Study Report of the College.**


Sir,

This Self Study Report is submitted for the purpose of assisting in the determination as to whether or not this college should become accredited by the ICAR Accreditation Board.

It is certified that there was broad participation by the various constituents of the college in conduct of Self Study and preparation of Self Study Report, and the report accurately reflects the nature and substance of the college.

Yours faithfully,

**Registrar**  
Navsari Agricultural University  
Navsari

  
**Principal**  
College of Agriculture  
Waghai(Dangs)