

# SELF STUDY REPORT

**Mahamaya College of Agricultural Engineering & Technology  
2013-14 to 2017-18**

**Submitted to National Agriculture Education Accreditation Board  
ICAR, New Delhi**



**MAHAMAYA COLLEGE OF AGRICULTURAL ENGINEERING AND  
TECHNOLOGY, AMBEDKAR NAGAR- 224122 (U.P.)  
NARENDRA DEVA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY  
KUMARGANJ, AYODHYA-224229(UP)**

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**Self Study Report for the programme  
B.Tech (Agricultural Engineering)**

## **6.4 Self study report for the B.Tech (Agricultural Engineering) programme**

### **6.4.1. Brief History of the Degree Programme**

#### **Year of initiation of degree programme**

B.Tech. degree programme in Agricultural Engineering was started in 2003-04 at main campus Narendra Dev University of Agriculture and Technology, Kumarganj, Ayodhya and thereafter shifted at AmbedkarNagar in 2005.

#### **History and Institutional Growth**

The College of Agricultural Engineering and Technology, Ambedkar Nagar was established during the year 2002-03. This college is a faculty of Narendra Deva University of Agriculture and Technology, Kumarganj, Faizabad (U.P.). The foundation stone of the college was laid down by Sushri Mayawati Ji, the then Hon'able Chief Minister of Uttar Pradesh on 30 October, 2002 and inaugurated by Hon'ble Sri Mulayam Singh Yadav Ji, the then Chief Minister of Uttar Pradesh on 04.02.2005. Infact, the Department of Agricultural Engineering of the College of Agriculture was elevated to the level of this college keeping in view the need for technological development of rural people of Uttar Pradesh in particular and of the country in general. The college functioned in the main campus *i.e.* Kumarganj till the 8<sup>th</sup> September 2005 and thereafter shifted at this college campus *i.e.* Ambedkar Nagar on 09<sup>th</sup> September 2005 and since functioning with its mandate, mission and objectives. However, the main motto of the college is to make provision for education of mainly rural people of Uttar Pradesh and provide good facilities for research and extension in the fields of Agricultural Engineering and Technology. The B. Tech. degree programme in Agricultural Engineering was started in academic year 2003-04 with 30 students.

Academic and residential campus of the college is spread over on an area of about 7.0 acres. The workshop, academic building, library, girls & boys hostels and residential quarters for Dean, faculty members and other staff are well furnished. The college from its very inception has adopted a very progressive policy and extended all possible facilities to the students for their better education and co-curricular activities.

The college is having the fully functional of total six departments, with their respective undergraduate programs. The departments are:

- Process and Food Engineering
- Department of Farm Machinery and Power Engineering
- Soil and Water Conservation Engineering
- Irrigation and Drainage Engineering
- Renewable Energy Engineering
- Basic Engineering and Applied Science

**Objectives:**

- The main objective of the department is teaching, research and extension
- B. Tech teaching with best possible teaching materials like power point presentations, models, display of charts in the gallery and lab of the department etc.
- To develop technical and practical knowledge about different food processing equipments and machinery.
- To study about different preservation techniques like pasteurization, sterilization, and radiation of different dairy, fruits and vegetable products
- The study of different kind of packaging techniques.

**Accomplishment:**

- The department promotes different methods of pickles making among the rural people of Ambedkarnagar
- BTech (Agril Engg) students are being placed in reputed private as well as public sectors organization and also pursuing higher studies in reputed institutions

**6.4.2 Faculty Strength****Cadre wise, both sanctioned in placed**

S.No.	Faculty	Sanctioned Post	Faculty in place	Vacant positions	Faculty recommended by the ICAR	Attached Faculty
1	Professor	04	-	04	06	-
2	Associate Professor	08	01	07	13	-
3	Assistant Professor	14	02	12	24	02

**6.4.3: Technical and supporting staff**

Sanctioned staff -13

Recommmed by ICAR- 56

The details of sanctioned and vacant technical/lab/farm supporting staff under this college are as under as;

S. No	Designation of Post	Sanctioned Number	Filled Post	Vacant Position	Recommended by ICAR
1.	Jr. Clerk	01	01	-	56
2.	Account Clerk	01	01	-	
3.	Stenographer	01	01	-	
4.	Sr. Assistant	01	-	01	
5.	Lab Assistant	01	-	01	
6.	Welder	01	01	-	
7.	Black Smith	01	01	-	
8.	Mechanic	01	01	-	
9.	Foreman	01	01	-	
10.	Carpenter	01	-	01	
11.	Tractor Driver	01	-	01	
12.	Attendant	02	02	-	
Total		13	09	04	56

#### 6.4.4 Class rooms and Laboratories:

- a. Classroom 08
- b. Functional Laboratory 11
- c. List of major equipments

##### (A) Department of Process and Food Engineering

1. Mini rice mill
2. Dhal mill
3. Multipurpose grain mill
4. Potato peeler
5. Paddle operated cleaner cum grader
6. Maize Sheller
7. Seed separator
8. PKV dhal mill
9. Oven
10. BOD
11. sieve shaker

**(B) Department of Farm Machinery and Power Engineering**

1. Tractor
2. Power tiller
3. Reaper winder
4. Sprayer
5. Potato planter
6. Sugarcane planter
7. Potato digger
8. Harrow
9. Cultivator
10. Disc plough
11. Straw combine
12. Weeder
13. Thresher
14. Seed drill
15. Zero till drill
16. Laser leveler
17. Rice planter
18. Drum Seeder

**(C) Department of Soil and Water Conservation Engineering**

1. Infiltrimeter
2. Pan evaporimeter
3. Flumes
4. V-Notch
5. Spillway models
6. Current meter
7. Rain Gauge

**(D) Department of Irrigation and Drainage Engineering**

1. Centrifugal pump
2. Sprinkler system
3. Drip system
4. Cut model of pumps
5. Bernoulli's theorem apparatus
6. V-notch
7. Flumes



**(E) Department of Renewable Energy Engineering**

1. Solar Cooker

**(F) Department of Basic Engineering and Applied Science**

1. Chemistry Lab
2. Electronics' and communication Lab
3. Physics Lab
4. Surveying Lab
5. Computer Lab
6. Mechanical engineering Lab
7. Workshop
8. Computers
9. Printers
10. Automobile models
11. Refrigeration and air conditioner
12. Cut models of engines
13. Gauge equipments
14. Lathe Machine
15. Grinder
16. Welding Machine
17. Wood Cutter
18. Hexa Machine
19. Black Smithtools
20. Carpentry tools

- d. Theory and practical batches. Theory and practical classes are being taken separately. Students are divided into A and B batches for easy, convenient and good appreciative teaching.

**6.4.5 Conduct of Practical and Hands-on-Training:**

All under graduate students getting practical and hand on training as per ICAR (5th Dean Committee)

Practical classis on Agricultural Engineering



**Agricultural Engineering**



**Practical on FMPE**



**Practical on SWCE**



**Practical on IDE**



**Practical on PFE**

6.4.6

Supervision of



**Practical on Basic Engineering and Applied Science**

**students in PG/Ph.D Programmes:**

PG/Ph. D program is not conducted in the college

**6.4.7 Feedback of stakeholders (Students, parents, industries, employers, farmers etc:**

Telephonic mechanism is adopted for feedback from parents and in person from student as well as from farmers.

**6.4.8 Student intake and attrition in the programme for last five years**

Name of the Degree Programme		Student admitted in last five years					Attrition (%)				
		13-14	14-15	15-16	16-17	17-18	13-14	14-15	15-16	16-17	17-18
B.Tech (Agril Engg)	Intake	96	92	58	49	30	9%	16%	3%	18%	25%
	Sanctioned	105	110	60	60	40					

**6.4.9 ICT application in curricula delivery:**

The ICT is now integral part of the teaching programme. ICAR has also been promoting the use of ICT in teaching and practical. Mention whether the degree programme is meeting the expectations. if there is any short fall. It shall be clearly mentioned.

- Power point presentation are also used for teaching purpose
- Whatsapp group of students of MCAET is also used for newer techniques.
- Students used internet facility for their search regarding education materials and statistical data etc.

**6.4.10.** The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and Ph.D. Degree Programmes, separately, and to be presented College-wise.

All informations are given for B.Tech (Agricultural Engineering) only.

**6.4.11.** Since the accreditation of Programmes is related to the All India Admission from ICAR and also having weightage for College accreditation, therefore the data presented in the section 6.4 is liable to the verification at any stage.

**6.4.12. Certificate (Applicable when SSR is submitted for Programme)**

I, Dr. R. K. Mehta, the Dean of **Mahamaya College of Agricultural Engineering & Technology, Amedkar Nagar** hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding university



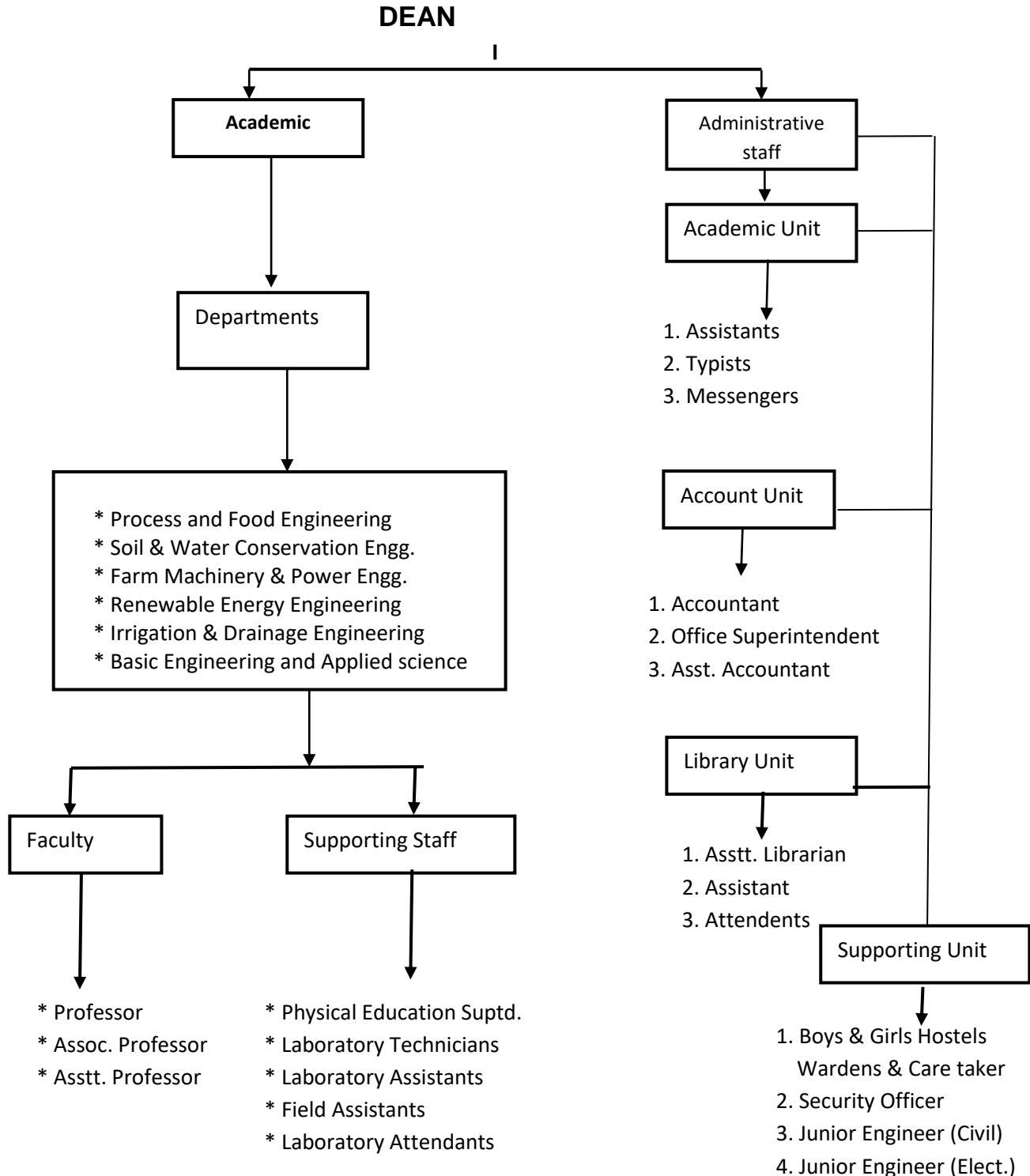
Signature of Dean with seal

# **Self Study Report for The College**

## 6.5 Self Study Report of the college

### 6.5.1. College Administration

#### ORGANIZATIONAL STRUCTURE



## 6.5 Self Study Report for The College

### 6.5.1. College Administration

#### 6.5.1.1. College Dean's Office Establishment:

Dean's post has been sanctioned from the appropriate authority *i.e.* State Govt./University as per the guidelines of the ICAR/UGC. The Dean was nominated for this college by the university.

Name of the Dean	Dr R K Mehta
Mode of selection	Nominated
Date of selection of present Dean	07.03.2019
Tenure	3 years

#### Staff Position in the Dean's Secretariat:-

S.No.	Name of Post	Number
1	Technical Coordinator	01
2	Stenographer	01
3	Account Clerk	01
4	Jr. Clerk	01
5	Examination Cell	01
6	Training Cell	01
7	Attendant	02

Infrastructure/facilities available in the Dean's Secretariat:

1. Dean Chamber
2. Office of steno/account
3. Examination cell/ dispatch section
4. Training and placement cell

#### 6.5.1.2. Monitoring Mechanism for Quality Education (on-line):

The position of Dean is the Chief Executive and Highest Administrative Officer at the college level. He is responsible to execute the day to day relevant working activities of the college of Education, Research & Extension along with the heads of various sections and supporting staff of this College. The Dean position of this college is supported by the Technical Officers in respect to the particular administrative affairs whiles the Drawing and Disbursing Officer/ Section Officer is supported in respect to the financial matters. The Directives received from Hon'ble Vice-Chancellor and Directors of Vishwavidyalaya are being implemented as such at college level.

The College imparts B.Tech. (Aril Engg) courses and it is the UG level College of the State University. The monitoring mechanism starts from the date of admission of students through UPCATAT at State Level. Semester system is followed for imparting the education at UG level on the basis of 4<sup>th</sup> & 5<sup>th</sup> Dean's Committee. Examination and declaration of result is centrally governed by the office of the Reistrar at University level. The college is equipped

with the Academic Advisory Committee under the Chairmanship of Dean including senior faculty members.

Besides it, there is a separate Academic and Examination Cell is already established at college level for the monitoring of the educational and examinations related activities at this college. Mid-Term examinations are being conducted by the respective course teachers. The Dean of this college also calls a meetings every month of the faculties and reviews the educational activities carried out by the College. If required, the issues/subjects are submitted/forwarded to the Academic Council of the University for further clarification/rectification.

For extracurricular activities, the separate cells are also exists for sports and NSS at this college level. Students are encouraged and provided all possible facilities for the participation in such a activities at the college, university, state and national level. The overall academic results and success in extracurricular activities of the students of this college is excellent in past years.

The scientists of this College also addressed the local problems of the farming community of the area. The college is also engaged in the value addition & establishment of value chain for the farmer's produce *i.e.* Organic Turmeric.

#### **6.5.1.3. CC/Board of Studies:**

The Board of Faculty of the college meet regularl y after receiving proper directives of University Administration. The recommendation of this committee is followed to improve the quality education, research and extension.

Constitute of Board of Faculty of College of Agricultural Engineering and Technology (BOFAT)

Dean	Chairman
All Faculty	Member
Seiner Faculty	Member Secretary

#### **Faculty meeting (Board of Faculty of Agricultural Engineering and Technology)**

Composition of BOFAET	Date of conduct of meeting
All faculty members	04.08.2015,19.08.2015,19.12.2015,19.03.2016.13.07.2016.,11.08.2016,04.11.2017,04.01.2018.,21.02.2018,21.03.2018,16.07.2018,27.07.2018, 13.02.2019

#### **6.5.1.4. Anti Ragging Cell:**

##### **Anti Ragging Committee at college level**

1. Associate Dean Student welfare
2. Hostel warden
3. Assistant Hostel warden
4. All Faculty member

In pursuance to the Judgment of the Hon'ble Supreme Court of India dated 08.05.2009 in Civil Appeal No. 887/2009, the University Grants Commission has framed "UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009" which have been notified on 4th July, 2009 in the Gazette of India, the College and University strictly follow the regulations and its subsequent guidelines issued in time to time.

At the time of admission, each and every student has to register himself on the anti-ragging website provided by the college and it is compulsory for all registered students at this college for their UG course.

The college administration also constituted Anti-ragging Squad and Anti-ragging Committee on dated 16.0.2018 for the monitoring of anti-ragging activities in the college campus. In this regard, every session, an orientation programme is also conducted by the college to aware the students to keep themselves away from the ragging. At the time of orientation, the fresher's are also educated in this regard. At present no case of ragging has been registered in this college.

#### **6.5.1.5. Biological waste disposal facility:**

At present, the college is equipped with the very small laboratories of every department/section as required at UG level. A very small quantity of Chemicals is used in the laboratories by which the quantum of the biological wastes is very less. It does not have the hazardous effects. No radioactive substances have been used in any laboratory of this college. Further, for the de-composition of daily waste material from the college campus, small compost pits are used.

#### **6.5.1.6. Institutional Ethics Committee for Experiment on Animals:**

This college does not exist such a committee and there is no any experiment conducted in this regard from the date of establishment of this college.

#### **6.5.1.7. Committee for Prevention of Sexual Harassment of Women at Work Places:**

As per the provisions of Prevention, Prohibition and Redressal Act, 2013;. There is a provision to follow the norms and guidelines provided by Hon'ble Supreme Court and National Women Welfare Commission..The following committee is constituted for above purposes-

1. Associate Dean Student welfare
2. Hostel warden
3. Assistant Hostel warden
4. Lady staff

Further, no any complain received from the any working women of the office or any girl student. Details of last four years are as under

<b>Session</b>	<b>No. of Complaint Received</b>	<b>No. of Complaint Redressed</b>	<b>Action Taken</b>
2013-14	Nil	Nil	-
2014-15	Nil	Nil	-
2015-16	Nil	Nil	-



2016-17	Nil	Nil	-
2017-18	Till date not received any complain.		

## 6.5.2. Faculty

### 6.5.2.1. Faculty Strength:

S.No.	Faculty	Sanctioned Post	Faculty in place	Vacant positions	Faculty recommended by the ICAR
1	Professor	04	-	04	6
2	Associate Professor	08	1	07	13
3	Assistant Professor	14	2	12	24

**In the Courses in which there is shortage of faculties, the College engaged the guest faculties through the interview for at least One Semester.**

### Contractual/ Guest Teacher/ Guest Faculty position at the College:

S.No.	Course	Number of Guest Faculty
1	Mathematics	01
2	Physics	01
3	Civil	01
4	Mechanical Engineering	03
5	Computer Science & Engineering	03
6	Electrical & Electronics Engineering	01

### 6.5.2.2. Faculty Profile (department wise):

S.No.	Department	Designation of Post	Pay Scale	Sanctioned Post	Filled Post
1	College	Dean	37000-67000 TA GP 10000	01	-
2	Farm Machinery and Power Engineering	Professor	37000-67000 (10000)	01	-
Assoc. Prof.		37000-67000 (9000)	01	01	
Asstt. Prof.		15600-39100 (6000)	02	01	
3	Renewable Energy	Professor	37000-67000 (10000)	-	-

	Engineering	Assoc. Prof.	37000-67000 (9000)	02	-
		Asstt. Prof.	15600-39100 (6000)	02	-
4	Soil and Water conservation Engineering	Professor	37000-67000 (10000)	- 01	-
		Assoc. Prof.	37000-67000 (9000)	03	-
		Asstt. Prof.	15600-39100 (6000)		01
5	Irrigation and drainage Engineering	Professor	37000-67000 (10000)	01	-
		Assoc. Prof.	37000-67000 (9000)	02	-
		Asstt. Prof.	15600-39100 (6000)	02	-
6	Process and Food Engineering	Professor	37000-67000 (10000)	01	-
		Assoc. Prof.	37000-67000 (9000)	01	-
		Asstt. Prof.	15600-39100 (6000)	01	-
7	Basic Engineering and Applied Sciences	Professor	37000-67000 (10000)	-	-
		Assoc. Prof.	37000-67000 (9000)	01	-
		Asstt. Prof.	15600-39100 (6000)	04	-

### 6.5.2.3. Credentials of the Faculty:

Appointment of all the faculties were made as per the ICAR/UGC norms/qualifications vide the All India Basis Advertisement and Interview. The details of faculties are as under;

S. No.	Name of faculty	Highest qualification	Related Work Experience in Related Field	Honors & Awards	Professional licenser & Certification	Exelence in Teaching	Other Demonstrative Competency and achievement that affect teaching student learning outcomes
1.	Dr. R.K. Mehta	PhD (Soil and Water Conseration Engineering )	Soil and Water Conservation Engineering	FAO Fellowship	-	Irrigation Engineering	In Agriculture Engineering
2.	Er.	M.Tech.	Agricultural	-	-	Soil and	In Agriculture

	Mahendra Rai	(Agril Engg)	Engineering			Water Conservation Engineering	Engineering
3.	Er. R.J. Singh	M.Tech.(Farm Machinery and Power Engineering)	Farm Machinery and Power Engineering	-	-	.Farm Machinery and Power Engineering	In Agriculture Engineering
4.	Dr. Raj Mani	PhD (Water Resources)	Water Resources	-	-	Agricultural Stretchers	In Agriculture Engineering
5.	Dr. R.B. Gautam	PhD (PFE)	Processing & Food Engg	Fellowship award	-	Processing & Food Engg	In Agriculture Engineering

#### 6.5.2.4. Technical and Supporting Staff:

The details of sanctioned and vacant technical/lab/farm supporting staff under this college are as under as;

##### Dean office

S. No	Designation of Post	Pay Scale + Grade Pay	Sanctioned Number	Filled Post
1.	Jr. Clerk	5200-20200/- + AGP 2000/-	01	01
2.	Account Clerk	5200-20200/- + AGP 2800/-	01	01
3.	Stenographer	5200-20200/- + AGP 2800/-	01	01
4.	Sr. Assistant	9300-34800/- + AGP 4200/-	01	-
5.	Lab Assistant	5200-20200/- + AGP 2000/-	01	-
6.	Welder	5200-20200/- + AGP 2000/-	01	01
7.	Black Smith	5200-20200/- + AGP 2000/-	01	01
8.	Mechanic	5200-20200/- + AGP 2000/-	01	01

9.	Foreman	5200-20200/- + AGP 4200/-	01	01
10.	Carpenter	5200-20200/- + AGP 2000/-	01	-
11.	Tractor Driver	5200-20200/- + AGP 1900/-	01	-
12.	Attendant	5200-20200/- + AGP 2000/-	02	02

### 6.5.3. Learning resources:

Texts Books in Library, Video Clips, softwares, and other relevant ICT tools related to the course content used by the course instructors/faculties to assist the students to fulfill the minimum requirement of the degree programme and the expectations of the ICAR as per their recommended guidelines and curriculum for learning of the Agri./Horti. students. The detailed information are given below for your kind perusal.

#### 6.5.3.1 College Library (digital):

**Central Library:** A Central library is located at Main Campus, NDUAT, Kumarganj.

#### **College Library:**

Before functioning of the college, the education was imparted at main campus Kumarganj of the University. At that time library facility was available in the university main campus itself. After that the whole education activities were transferred to academic building of the newly built college at Ambedkar Nagar in the year 2005 and the separate library was established in its own building.

The library has full facilities of electricity, generator and water. The library is well furnished. There are 10 almira to contain books, journals and magazines. The library also contains 15 bookshelf. There are also steel racks available in record room. Most of the books are available in the library to cater the need and requirements of the students and faculties. The college library has 3424 books.

#### **The Library Committee**

The college library is functioning under the guidance of library committee comprising of following officers.

- |                        |           |
|------------------------|-----------|
| 1. Dean                | Chairman  |
| 2. Head of Departments | Member    |
| 3. I/C Library         | Secretary |

The functions of library committee are:

- Reviewing and consolidation of journals and books indented by various departments for their procurement.
- Advising preparation of estimates for budget proposal and monitoring the expenditure of the library

#### **Magazines/Periodicals/News paper available**

#### **News Papers**

Dainik Jagaran

Besides, student's project reports, seminar reports, developmental reports and newsletters of different institutions are also made available.



**Library**

**Computer Centre**

The campus has a computer centre. At this centre students utilize this facility for their learning and literature search etc.



Practical class of microprocessor  
**Central Instrumentation Facility:**

The instrumentation centre has Computerized Texture analyzer, Automobile and tractor model.



Lecture in Computer Science and Engg

**Student Interaction Forum:**

Faculty-students interaction session is held at least once in a semester under the Chairmanship of the Dean, in order to discuss academic and other related problems. There are various groups such as sports, cultural, literary and adventure to promote extracurricular activities among students. The designated Professor/students serve as Chairman of the activity. Student Engineers Society also organized various social and cultural activities in the campus for physical, moral and personality development of students at regular interval under the supervision and guidance of faculty members.

### 6.5.3.2. Laboratories, Instructional farm, Workshops, Dairy Plant, Veterinary Clinic, Hatchery, Ponds etc.:

**Laboratories:** College is facilitated with 12 laboratory rooms used for practical work when required on scheduled basis.

**Workshop:** College has a big workshop having following sub shops and machineries:-

S.No.	Shop	Equipments
1	Machine Shop	Lathe Machine Drill Machine
2	Welding Shop	Welding Machine 1. Electric Welding 2. Gas Welding
3	Carpentry Shop	Bench wise Planner, Hammer, Hexa
4	Black Smith & Sheet Metal Shop	Anvil, Hammer, Blast Furnace

### 6.5.3.3. Student READY/In-Plant Training/Internship/Experiential Learning Programmes:

Earlier it was known as Four Months In-plant Training and meant for development of entrepreneurial skill of students. Now, as per 5<sup>th</sup> Dean's Committee Recommendation; Rural Entrepreneurship Awareness Development Yojana (READY) since last session 2016-17. The college is strictly implemented the READY programme for exposure of students as per fifth dean's committee recommendation under READY program. Students are used to participate in two training for one month each in semester break up 2<sup>nd</sup> year and 3<sup>rd</sup> year where as in 4<sup>th</sup> year the experiential learning and in plant training will be provided to students.

### 6.5.3.4. Curricula Delivery through IT (smart class rooms/interactive board etc.):

One classroom has been well equipped with LCD projector to deliver presentation etc for the students.

### 6.5.4. Student Development:

For the overall development of Student; college provides a wide range of educational experiences, exposures through various programs and activities which direct and fostering the intellects and character of students by integrating in-class interactions and co-curricular experiences to accomplish the complement and support to the academic experience.

#### 6.5.4.1. Student Intake and Attrition:

##### Student Intake Status of B.Tech. (Agril Engg) for the last five Sessions 2013-14 to 2017-18

Name of the Degree Programme		Student admitted in last five years					Attrition (%)				
		13-14	14-15	15-16	16-17	17-18	13-14	14-15	15-16	16-17	17-18
B.Tech (Agril Engg)	Intake	96	92	58	49	30	9%	16%	3%	18%	25%
	Sanctioned	105	110	60	60	40					

#### 6.5.4.2. Average Number of Students in Theory and Practical Classes:

S. No.	Name of the Degree Programme	Batch of students in theory class	Batch of students in practical class
01.	B.Tech. (Agril. Engg.) 1 <sup>st</sup> year	01 (27)	02 (27)
02.	B.Tech. (Agril. Engg.) 2 <sup>nd</sup> year	01 (42)	02 (21+21)
03.	B.Tech. (Agril. Engg.) 3 <sup>rd</sup> year	01(53)	02 (26+27)
04.	B.Tech. (Agril. Engg.) 4 <sup>th</sup> year	01(77)	01 (38+39)

#### 6.5.4.3. Admission Process:

##### UG Admissions, Fee payment & Registration:

The admission in first year of graduate class is done on the basis of a merit list of competitive entrance exam *i.e.* Uttar Pradesh Combined Agriculture and Technology Entrance Test (UPCATET), which is conducted by SAU. Minimum eligibility for admission is ISC (Ag)/ ISC (PCM)/ ISC (Bio). During the counseling at the University level, the qualified students opt the college under the jurisdiction of University and got the admission for degree programme. The registration process starts with the payment of the registration fee on account of admitted college. After that, the registration card of concern students generated and it is completed at the college level.

##### Academic Regulations:

Academic regulations and guideline for undergraduate students is recommended by the Academic Council of the University. The academic regulations of the University are already provided to the respective colleges in printed form with the time to time amendments.

It is also made available to the students at initial stage of their admissions and faculties of the college too.

#### 6.5.4.4. Conduct of Practical and Hands on Training:

Students observe the method of doing various practical in Farm Power Machinery and Engineering, Soil & Water Conservation Engineering, Irrigation and Drainage Engineering, Food Process and Engineering, Renewable Energy Engineering and Basic Engineering and Applied Science for passive learning various flow charts, banners and posters are displayed. The power point presentations on various topics were also delivered to the students. The U.G students are involved in performing various activities in lab/farms. Students were conducted practical in field/lab on different aspects with different departments also involved in filling of various records as per curriculum along with learning by doing process. All the students of B.Tech (Agr.Engg) are getting Practical's in their respective classroom whereas as per Dean's Committee Recommendation students are sent for Practical Training/ In-Plant Training/ READY Programme. Details are as following:-



Practical on ridge bunding at Farmer's field

Level	Student getting hand on Training	Recommendation
B.Tech. (Agril Engg) 2 <sup>nd</sup> Year	One Month Practical Training in summer break of 4 <sup>th</sup> Semester	As per 4 <sup>th</sup> Dean Committee
B.Tech. (Agril Engg) 3 <sup>rd</sup> Year	One Month Practical Training in summer break of 6 <sup>th</sup> Semester	As per 4 <sup>th</sup> Dean Committee
B.Tech. (Agril Engg) 4 <sup>th</sup> Year	Four Month In-Plant Training in 8 <sup>th</sup> Semester	As per 4 <sup>th</sup> Dean Committee
B.Tech. (Agril Engg) 2 <sup>nd</sup> Year w.e.f. 2017-18 (5 <sup>th</sup> Dean's Committee)	Skill development Training-I in summer break of 4 <sup>th</sup> Semester (READY)	As per 5 <sup>th</sup> Dean Committee



#### 6.5.4.5. Examination and Evaluation Process:

The examination system has been adopted as 50 % internal and 50 % external for undergraduate and postgraduate programmes. The grading system is out of 10 points.

- The norms for passing a subject are with minimum average grade point (AGP) of 5.00 and an overall grade point average (OGPA) of 5.50 for completing the undergraduate programme.
- The examinations shall be of the following type.
  - i. Mid-term Examination
  - ii. Practical including viva voce
  - iii. Final examination
- There shall be only one mid-term examination which is being held as internal nearly in middle of a semester and the date of holding this examination shall be announced by Registrar in advance in the college calendar.

Examamination	UG	
	4 <sup>th</sup> Dean's Committee	5 <sup>th</sup> Dean's Committee
Internal (Percentage)	30+20 (T+P)*	30+15+5 (T+P+A)
External (Percentage)	50 (T)	50 (T)
Other (Specify percentage)	-	-

\* T=theory, P=Prectical, A=Assigment

#### 6.5.4.6. NCC/NSS/RVC Units:

##### National Service Scheme (NSS):

NSS Course is not included in Course. NSS, NCC and RVC are not conducted in the college.

#### 6.5.4.7. Language Laboratory:

Education Technical cell is stablish in main campus Kumarganj. In this cell computer assisted language program and multimedia facilities are available.

#### 6.5.4.8. Cultural Center:

The college established the separate wing for looking after the cultural related activities. An Assistant Professor rank is made responsible for the wing. He is also responsible to impart the various activities to motivate and participate to the students in various cultural activities at College, University.

**6.5.4.9. Personality Development:** Personality development programme is aimed at increasing employability of the students. Whether the college has provisions for inclusion of functional grammar in Standard English, speaking skills, reasoning, group discussions interview skills, personal interviews, quantitative ability, verbal ability, mock tests and some special sessions to promote the personality development in the students?

To motivate the students for their enhancement in personality, communication skill & human values; the college invites the eminent speakers to deliberate such a motivational speeches on the occasion of important days throughout the year. In this regard, a Human Personality Development course is also running in the college as recommended by the 5<sup>th</sup> Dean's Committee of ICAR. Various activities *viz.* Debates, Deliver Speeches, Group Discussion, Street Play, Essay Writing, Paintings, Sketching, Rangoli etc. are also motivate the students to build up their confidence. In this way, college provides the overall environment to the students to encourage them to build up their confidence for their overall development of personality.

### **6.5.5. Physical facilities:**

#### **6.5.5.1. Hostels:**

The college has two hostel building for boys and one hostel for girl students. In the hostel premises kitchen, store, common hall, dining hall and visitor's room are available. The boys hostel has capacity of 240 students whereas girl hostel capacity is of 40 girl students.

List of different hostels in which UG students are residing is as fallow

<b>Name of Hostels</b>	<b>Resident students</b>
Godavari Hostel	B. Tech First Year
Kaveri Hostel	Non Functional
Girls hostel	All B. Tech Girls Students



**Residential Block**

#### **Staff Residential Facilities**

There are one quarter for Dean, 08 A type quarters of professors, 18 B type, 24 C type quarters, 28 D type quarters for faculty and staff members.

#### **Administrative Building**

An administrative block in the college building is available for Dean, Estate officer, Accountant & their staffs

#### **6.5.5.2. Examination hall:**

Presently there is one examination hall of the capacity of 210 students for appearing in the examination at one time.

#### **6.5.5.3. Sports and Recreation Facilities:**

The sports and co-curricular activities of the students are managed by the Officers-in- Charge of Sports & Games and Cultural Activities of this college. The college is providing the all possible facilities to the students for indoor and outdoor games. For outdoor games *viz.* Football, Volleyball, Kabbaddi, Kho-kho, Athletics are played. As far as indoor

games are concerned; Badminton are also played by the students of this college under the supervision of I/c Sports.

#### **6.5.5.4. Auditorium:**

There is no auditorium at present in the college but we have a big size committee hall to conduct the purpose.

#### **6.5.5.5. Exhibition Hall/Museum:**

There is one museum hall existing with cut models to display the latest technology.

### **6.5.6. Research Facilities**

#### **6.5.6.1. Post Graduate Laboratories and Equipments:**

Post Graduate program not conducting

#### **U. G. Laboratories**

<b>SN</b>	<b>U. G. Laboratories</b>	<b>No. of Laboratories</b>
<b>1</b>	Farm Machinery & Power Engineering	02
<b>2</b>	Processes & Food Engineering	01
<b>3</b>	Soil & Water Conservation Engineering	01
<b>4</b>	Irrigation & Drainage Engineering	01
<b>5</b>	Renewable Energy Engineering	01
<b>6</b>	Basic Engineering and Applied Science	05

#### **.5.6.2. Research Contingency:**

There is no research contingency as there in no research project in college

### **6.5.7. Outcome/Output**

#### **6.5.7.1. Student Performance in National Examinations:**

The various students of the college are studying in higher education at various reputed organizations.

#### **6.5.7.2. Students Placement Profile:**

Students are placed in private sectors/ public sectors.

<b>S.No.</b>	<b>Name</b>	<b>ID No.</b>	<b>Designation</b>	<b>Place of Posting</b>
1	Sumit Kumar	E-4377/08	A.O. Indian Bank	Kapoorthala
2	Devendra Kr.	E-4334/08	Manager Alld Gramin Bank	Sitapur
3	Devesh Kr.	E-4337/08	A.O. Bank of Baroda	Mainpuri
4	Dhivendra Kr.	E-4386/08	Manager@NCML Ltd.	Sitapur
5	Yogesh Kr.	E-4348/08	Teacher in Basic Education	Lakhimpr
6.	Kailash Chandra	E-4364/08	Teacher in Basic Education	Bareilly
7	Rajesh Babur	E-4331/08	Bal vikas pustahar pariyojna	ajmer
8	Awanish Kumar	E-4338/08	Force Motors	Odisa
9	Dileep Verma	E-4327/08	Eicher	Gazipur
10	Vipin Tiwari	E-4363/08	Mahindra Gujrat Tractor	RaiBareilly
11.	Rahul Mishra	E-4341/08	AO	Andhra Pradesh
12	Haribhan Tiwari	E-4328/08	Engineer	UAE
13	Arvind Verma	E-4330/08	AO	Agra
14	Atul Verma	E-4356/08	AO	Ambedkar Nagar
15	Pawan Verma	E-4356/08	Jain Irrigation	Agra
16	Updesh Jha	E-4380/08	Irrigation Dept.	Gujrat
17	Parixat Pawar	E-4355/08	New Holland Tractor	H.P.
18	Kalim Khan	E-4349/08	Sonalika Tractor	Katihar
19	Indesh Kumar	E-4345/08	Jain Irrigation	Gujrat
20	Siddarth Diwevedi	E-4374/08	Teacher in Basic Education	Unnao
21	Ravikant Yadav	E-4366/08	Teacher in Basic Education	Etawah

**6.5.7.3. Awards/Recognitions/Certificates:** Provide information on awards/ recognitions/ certificates in tabular form for last five years separately for students and faculty.

**Awards/ Recognition to the faculties**

Name of faculty & Designation	Award/Recognitions	Year	Level	Organization
Dr R K Mehta, Assoc Professor	FAO Fellow Award	1996	-	FAO
Dr R B Gautam	Fellow Award	2016	-	SWEFT

**Session wise participation of students in Sports and Games & Awards/ Recognition**

Academic Session	Level of participation	Award/recognition
	University Level	
2012-12	Hammer throw	2 <sup>nd</sup> Rank
2013-14	Slow cycle Race	Ist Rank
2014-15	Hammer throw	3 <sup>rd</sup> rank
2015-16	Relay Race	2 <sup>nd</sup> rank
2016-17	500m Race	2 <sup>nd</sup> Rank

**6.5.7.4. Employability:**

The college has the ample scope to enhance the technical know-how, skill development and understanding of the employability for each and every student of this college. College provided the opportunities to the students for their better employment and future career point of view through the quality teaching, learning and capacity building programmes in the classroom, practical classes in Entrepreneurial Learning Unit available (ELU) at this college.

The students are also exposed to know about the practical knowledge from very beginning of their academic career by providing them field and laboratory practical knowledge. They are able to develop their skill in each field and section of this college through “Learning by Doing” principle. They are already provided the opportunity by this college through RHWE/READY programme and Experiential Learning Programme to get the experiential learning and trained to develop entrepreneurship for generating their own employment in coming future, which benefits themselves, the workforce, the community and the economy of the Nation.

**6.5.8. SSR of the College must have the SSR of all its Degree Programmes:**

Self study report of the degree program (B. Tech Agricultural Engineering) has given on section 6.4

**6.5.9. Certificate (Applicable when SSR is submitted for Programmes & College).**

I, the Dean **Dr. R. K. Mehta**, hereby certify that the information contained in Sections 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.



**Signature of the Dean with Seal**

**Mahamaya College of Agricultural Engineering & Technology, Ambedkar Nagar  
N.D. University of Agriculture and Technology, Kumarganj, Ayodhya**

Order

As per the UGC Regulation on curbing the menace of ragging in higher educational institution, 2009", The following Anti Ragging committee at college level is hereby constituted-

1. Associate Dean Student welfare
2. Hostel warden
3. Assistant Hostel warden
4. All Faculty member

*And*  
08/03/19  
Dean

**Mahamaya College of Agricultural Engineering & Technology, Ambedkar Nagar  
N.D. University of Agriculture and Technology, Kumarganj, Ayodhya**

No 54/MCAET/711-2019

Date 08/03/2019

CC:

1. Dean Student welfare
2. Registrar
3. All committee members
4. Secretary to v c for kind information Hon' Vice Chancellor
5. Guard file

*And*  
08/03/19  
Dean

EC.  
*And*  
08/03/19




**Mahamaya College of Agricultural Engineering & Technology, Ambedkar Nagar  
N.D. University of Agriculture and Technology, Kumarganj, Ayodhya**

Order

As per the provisions of Prevention, Prohibition and Redressal Act, 2013. The following committee for prevention of sexual harassment of women at work place is hereby constituted-

1. Associate Dean Student welfare
2. Hostel warden
3. Assistant Hostel warden
4. Lady staff

  
08/03/19  
Dean


**Mahamaya College of Agricultural Engineering & Technology, Ambedkar Nagar  
N.D. University of Agriculture and Technology, Kumarganj, Ayodhya**

No 54/MCAET/712-2019

Date 08/03/2019

CC:

1. Dean Student welfare
2. Registrar
3. All committee members
4. Secretary to v c for kind information Hon' Vice Chancellor
5. Guard file

  
08/03/19  
Dean

FC  
  
08/03/19



