Self - Study Report

for Accreditation

2015-16 to 2019-20

Baba Sahab Dr Bhim Rao Ambedkar
College of Agricultural Engineering & Technology Campus Etawah

Chandra Shekhar Azad
University of Agriculture & Technology, Kanpur - 208002

Self-Study Report

for

Accreditation of Undergraduate Programmes &

College of Agricultural Engineering & Technology,

Etawah

Baba Saheb Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah

Chandra Shekhar Azad University of Agriculture & Technology,

Kanpur-208002

FOREWORD

Baba Sahab Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah is a constituent College of Chandra Shekhar Azad University of Agriculture & Technology, Kanpur established in October 1994 with the objective to impart agricultural engineering and other technological education. The college started in 1994 with one undergraduate degree programme in Agricultural Engineering. Now the College has four undergraduate degree programs and two post graduate programs in Agricultural Engineering and Mechanical Engineering. The Agricultural Engineering is an approved course of ICAR and was accredited in 2009 is now processed being for re-accreditation.

The College started with a vision to cater "Technical Education" aspirations of the socially, educationally, and economically marginalized sections of different communities. It offers an ideal vision of education responsive to the challenges of emerging India in globalize world. The College endeavours to prepare its students for fulfilling careers by enabling them to realize their full potential and inculcating in them the spirit of intellectual enquiry, independent thinking, self-reliance, leadership, co-operation, expression of cultural talents and social service.

College of Agricultural Engineering is opened to students of all caste and creed, as envisaged in its lofty vision. A supportive management committed to their vocation, a community of professionally competent and dedicated teachers, a team of hard-working and humane non-teaching staff and a bunch of spirited students with an unrelenting thirst for knowledge and an empathetic commitment to the service of fellow-beings leads the College higher into the ideals of its vision and mission and to greater potentials for excellence. Over the years, the College has made considerable progress in

achieving the goals and objectives of its founders and bringing a positive difference in the socio-economic status of the locality.

The initiative for the second cycle of ICAR accreditation improved steadily the growth of the Institutional academic, co-curricular and extension activities, which ultimately benefited the students, the community, the stakeholders and the larger society. Complying with the recommendations of the ICAR Peer Team during their first visit to the College, the Management and the Staff strived whole heartedly to raise the benchmark of quality improvement in making the Institution a centre of excellence. The introspection, reflections and discussions while preparing the Self Study Report brought to light the unique strengths that set College of Agricultural Engineering apart from the rest, the areas which could be improved, the weaknesses which calls in for remedial and corrective measures and the potential fields of perspective achievements. The present accreditation will be a stepping stone for achieving the excellence that the Institution seeks to bring about in the higher education sector in general and in the College in particular.

The college has constituted a steering committee and different task force groups for preparation of Self-Study Report of Baba Saheb Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah. These committees and task force groups met several times for preparation of this report. The suggestions of faculty members, staff and students have been incorporated in this report. We are very much thankful to all members of the steering committee and different task force groups for their valuable contributions and efforts in preparation of this report.

J. P. Yadav
Dean

Chairman: **Dr. J.P. Yadav**, Dean, College of Agriculture Engineering & Technology, Etawah

Coordinator/ Member Secretary: Dr. Harish Chandra Singh, Professor, Extension.

TASK FORCE COMMITTEE

Task	Committee	Designation
History and Development of College Mission, Goals & Objectives	Dr. N.K. Sharma	Assoc. Prof. Physics
Organization & Governance Academic Programme and Curricula	Dr. Harish Chandra Singh	Professor, Agril. Extension
Faculty and other Human Resource, Students and Students Development	Dr. Devendra Singh	Asso. Professor Chemistry
Research, Extension Education	Dr. Devendra Kumar	Asso. Professor Agril. Engg.
Library and other learning resource	Dr.N.K. Sharma	Asso. Professor Physics
	Er. T.K. Maheshwari	Asso. Professor, Farm Machinery
Physical facilities	Er. PKS Bhadauria	Asstt. Prof. Civil Engineering
Finance Resource SWOT analysis and summary	Dr. Rajeev Singh	Associate Professor, Business management
Editorial Board	Dr. Vijay Kumar Yadav	Professor, GPB & Head Agri Business Management
	Dr. N.K. Sharma	Assoc. Prof. Physics
	Er. M.A. Husain	Asstt. Prof. Civil Engineering
	Er. Dilip Kumar Verma	Asstt. Prof., Computer Science

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SELF STUDY REPORT FOR

UNDER GRADUATE PROGRAMME

IN

AGRICULTURAL ENGINEERING

College of Agricultural Engineering and Technology, Etawah

Chandra Shekhar Azad University of Agriculture & Technology, Kanpur -208002

Self Study Report for the Undergraduate Programme in B.Tech (Agricultural Engineering)

6.4.1 Brief History of the Degree Programme

Clearly mention in which year the degree program was initiated amoung with its objective and accomplishments.

Baba Saheb Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah was established during the year 1994-95 as a constituent **college of Technology of Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-U.P. globally renowned as Patthar College. This college was established in 1893** as second school of agriculture in India for meeting the requirements of Central India. Three years' course in agriculture for matriculates started after up gradation of School of Agriculture to Cawnpore Agricultural College, leading to award a diploma of "Licentiate in Agriculture" (L. Ag.).A.W. Fremantle became the first Principal of the College in 1906. During 1913 revenue classes separated from the agricultural course and placed under a separate administrative body. In 1914, four-year Diploma course (L. Ag.) introduced replacing the three-year course. The last two-years of (L. Ag.) diploma came to be substituted by B.Sc. (Ag.) degree in Agricultural Sciences and emerged as Government Agricultural College that introduced a 2-year B.Sc. (Ag) Programme during year 1928. The College secured affiliation with Agra University, Agra in 1930 and first batch of B.Sc. (Ag.) students was awarded the degree in 1931. The Masters degree programmes initiated in major disciplines of Agriculture during 1944 and Ph.D. programmes started in major disciplines of Agriculture in 1948. During 1969, Government Agricultural College upgraded to UP Institute of Agricultural Sciences, and finally in 1975, Chandra Shekhar Azad Krishi Evam Prodyogic Vishwavidyalaya" enacted on March 1st, 1975by merging the erstwhile UP Institute of Agricultural Sciences, Kanpur and UP College of Veterinary Sciences, Mathura.

The foundation stone of the College of Agricultural Engineering & Technology, Etawah was laid down by Shri Mulayam Singh Yadav, then Hon'able Chief Minister of Uttar Pradesh on 8th October 1994. 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 field of Agricultural Engineering and Technology. The B. Tech. degree program in Agricultural Engineering was started in academic year 1994-95. B. Tech. degree program in the disciplines of Electronics & Communication Engg and

Computer Science and Engg has also started from the academic session 2002-03 and B.Tech. degree program in the discipline Mechanical Engineering has also started from the academic session 2003-04. The PG programs (M Tech in Agricultural Engineering and Mechanical Engineering) also started from the academic session 2017-18 in the campus.

This campus is spread over an area of about 113.71 acres. Besides this, there is a demonstration cum research farm of 22.5 acres. This technology campus of the University is now well established workshop, Academic Building, Library, Advance Research Centre, Medical Centre, Girls (04) & Boys hostels (03), residential quarters (86) for staff, teachers and Dean. The college from its very inception had adopted a very progressive policy and extended all possible facilities to the students for their better education and co-curricular activities.

Brief History of the Degree Programme

Degree Programme	Year in which degree started
B.Tech (Agricultural Engineering)	1994-95
B.Tech (Electronics & Communication Engg)	2002-03
B.Tech (Computer Science and Engg)	2002-03
B.Tech (Mechanical Engineering)	2003-04

Goal:

To make provision for quality education and provide good facilities for research & extension for the students of rural areas and scientists in the field of Agricultural Engineering & Technology

Objectives:

- To teach and equip the students to become qualified engineers/scientists with having following qualities:
  - Having breadth and depth of technical knowledge in chosen field along with strong understanding of basic sciences and humanities.
  - Capacity to apply the knowledge to real life problems.
  - Innovative, creative and problem solving capabilities.
  - Ability for self-learning and adaptation to changing circumstances.

- Awareness of global and national perspectives in the fields of related engineering and technology.
- To have inter disciplinary knowledge.
- Professional competence and personal traits of value to industries.
- Capacity for team work.
- Intellectual honesty and professional ethics.
- Understanding of society, culture and global processes.

- To undertake and apply research in different aspects of agricultural engineering covering production plant protection, value addition, marketing and management.
- To disseminate proven technologies in the field of agricultural engineering for the benefits of farming community.
- To develop technology suitable for the region in the field of farm power and agro-energy, farm machinery and equipment, soil and water engineering, post-harvest and process engineering, food and dairy engineering, and other related areas.
- To organize programs related to transfer of technologies for agriculture and rural development in the region.
- To collaborate with other agencies involved in teaching, research and developmental programs in the field agricultural engineering nationally and internationally.
- To provide consultancy services to farmers and other engaged in agricultural and rural development particularly in application of engineering principles and practices.
- To provide the students necessary exposure to the recent developments in the field of Agricultural Engineering in various agro-climatic zones at State and National levels through both State and All India educational tours and visits.

Accomplishment:

The first batch of student took admission in undergraduate (UG) programme, Bachelor of Technology (Agricultural Engineering) during academic session 1994-95 with the provision for intake of 60 students. In first batch students were admitted at undergraduate level through UPTECH. The course curriculum adopted by teaching was as per IV Dean's Committee of ICAR.

The course curriculum as prescribed by the V Deans' Committee of ICAR has been adopted from academic session 2016-17 with intake of 40 students and currently continuing with same course curriculum.

During 2015-16, 2016-17, 2017-18, 2018-19 and 2019-20, out of 40 intake capacity 38, 29, 33, 37 and 35 students registered in B.Tech (Agricultural Engineering) programme, respectively. Out of 40 admitted students during 2015-16, 2016-17, 2017-18, 2018-19 and 2019-20 only 34, 29, 35, 29 and 37 could continue their undergraduate degree programme, respectively.

6.4.2 Faculty Strength

The faculty strength of the Degree Programme need to be given cadre-wise, both sanctioned and in-place (under the table mentioned below). Clearly mention the number of permanent faculty appointed for the Degree Programme, part time faculty being deputed from the other departments (in such case mention the name of these departments). If the Degree Programme is also taking the help of Research staff, extension staff, contractual faculty, guest faculty, adjunct faculty or any other arrangement being made to complete the curriculum, it should be clearly mentioned in the report.

The College of Agricultural Engineering and Technology, Etawah has 10 departments in agricultural and basic engineering and 3 sections in allied and basic science. The faculty strength is given below in Table1

Table:1. Sanctioned and filled post

S. N.	Post	No of sanctioned Post	in-position	Vacant	Total	Faculty Recommended by ICAR
1.	Dean	1	1	-	1	1
2.	Professor	4	-	4	-	4
3.	Associate Professor	8	2	6	2	6
4.	Assistant Professor	14	8	6	8	6
6.	Contractual Faculty	-	10	-	10	-
7.	Guest Faculty	-	09	-	09	-
Total		**27**	**29**	**17**	**29**	**27**

Table:2. Faculty Profile (Department wise)

S.N.	Name of the Faculty	Designation / Position
1.	Dr J P Yadav	Professor, Mechanical Engg. / Dean
2.	Dr Harish Chandra Singh	Professor, Extension Education
3.	Dr Devendra Singh	Professor, Chemistry
4.	Dr N K Sharma	Professor, Physics
5.	Dr Devendra Kumar	Associate Professor, Processing & Agril Structure
6.	Dr Rajeev Singh	Associate Professor, Business Management
7.	Dr T K Maheshwari	Assistant Professor, Farm Power & Machinery
8.	Er P K S Bhadauria	Assistant Professor, Farm Building & Construction
9.	Er M A Hussain	Assistant Professor, Civil Engg.
10.	Er Dileep Kumar Verma	Assistant Professor, Computer Science & Engg.

Table: 3.Teaching Associate

S.N.	Name of the Faculty	Designation / Position
1.	Er. Hemant Kr. Varshney	Teaching Assoc. Electronics & Communication Engg.
2.	Er. Piyush Kumar	Teaching Assoc. Electronics & Communication Engg.
3.	Er. Ankit Verma	Teaching Assoc. Electronics & Communication Engg.
4.	Er. Neha Kumari	Teaching Assoc. Computer Science & Engg.
5.	Er. Dharmraj Yadav	Teaching Assoc. Computer Science & Engg.
6.	Er. Manish Kumar Yadav	Teaching Assoc. Mechanical Engg.
7.	Er. Mohit Yadav	Teaching Assoc. Mechanical Engg.
8.	Er. Sukriti Sachan	Teaching Assoc. Mechanical Engg.
9.	Dr. Akhilesh Kr. Singh	Teaching Assoc. English
10.	Dr. Ashish Kumar	Teaching Assoc. Mathematics

S.N.	Name of the Faculty	Designation / Position
11	Dr. Vijay Kumar Singh	Teaching Associate, Soil and water conservation Engg.
12	Er. Vipin Kumar Verma	Teaching Associate, Processing and Agril. Structure
13	Er. Shivam Yadav	Teaching Associate, Electrical Engg.
14	Er. Sanjay Pal	Teaching Associate, Computer Science and Engg.
15	Er. Neerja Sharma	Teaching Associate, Computer Science and Engg.
16	Er. Vijay Kant	Teaching Associate, Mechanical Engg.
17	Er. Devendra Singh	Teaching Associate, Mechanical Engg.
18	Er. Ashish Kumar	Teaching Associate, Mechanical Engg.
19	Er. Shivani	Teaching Associate, Mechanical Engg.

6.4.3. Technical and Supporting Staff

The position of the technical and supporting staff of the Degree Programme including farm and field workers need to be mentioned for both sanctioned and in- place.

**The technical and supporting staff assigned the responsibilities for the multiple programmes need to be clearly marked.*

***Clearly mention the deviation in the staff position with respect to the recommendations of V Deans' Committee/VCI/BSMA/ other regulatory bodies.*

**** In case of Private Universities/affiliated colleges list of technical and supporting staff, their name, specialization, date of appointment in the college, period of contract, salary account summary for last three years with the reference to Form 16 (income tax) shall be provided.*

The strength of the Technical and Supporting Staff faculty is given below in Table 5 a.:

Table :5.(a) Non-Teaching Staff Position (under Non Plan)

S.N.	Designation	Posts sanctioned	Filled	Vacant
1.	Deputy Registrar	1	-	1
2.	Deputy Comptroller	1	-	1
3.	Security Officer	1	-	1
4.	Security Inspector	1	-	1
5.	Physical Education Suptd	1	1	0
6.	Account Officer	1	-	1
7.	Librarian	1	-	1
8.	Asstt Registrar	1	1	0
Total		**8**	**2**	**6**

Table :5 (b) Technical Staff Position (under Non Plan)

S.N.	Designation	Posts sanctioned	Filled	Vacant
1.	Asstt. Workshop Superintendent	1	1	-
2.	Farm Superintendent	1	1	-
3.	Lab Technecian Grade I	6	4	2
4.	Junior Engineer (Civil)	1	1	-
5.	Junior Engineer (Elect)	1	-	1
6.	Automobile Mechanic	2	2	-
7.	Lab Technecian Grade II	10	2	8
8.	Tractor Operator	2	1+1*	*against the post
9.	Electrician	1	1	-

10.	Driver	2	2	-
11.	Tube well Operator	2	1	1
12.	Cyclostyleman	2	2	-
13.	Mechanic Helper	2	2	-
14.	Lab Attendant	16	14+1*=15	1
15.	Cleaner for Vehicle	2	2	-
16.	Electric Sub Station Attendant	2	2+2* = 4	* against Meth* 1 Against Lab Attendant
Total		**53**	**37+4*=41**	**12**

Table :5 (c) Supporting Staff Position (under non-plan)

Sl. No.	Designation	Posts sanctioned	Filled	Vacant
1.	Office Secretary/ Office Superintendent (Head Asstt.)	1	-	1
2.	Accountant	1	-	1
3.	Examination Assistant (Senior Assistant)	1	1	-
4.	Stenographer	1	1	-
5.	Cataloger	1	1	-
6.	Admission Assistant (Senior Assistant)	1	1	-
7.	Head Clerk (Head Assistant)	1	-	1
8.	Senior Clerk (Senior Assistant)	1	1	-
9.	Asstt. Accountant	1	1	-
10.	Junior Clerk/typist (Junior Assistant)	4	4	-
11.	Store Keeper (Junior Assistant)	2	2	-
12.	Daftari	2	2	-
13.	Store Attendant	4	4	-
14.	Field Attendant	2	2	-
15.	Meth	1	1	-
16.	Cattleman	1	1	-
17.	Halwaha	1	1	-
18.	Mail Messenger/Peon	5	5	-
19.	Nurse	1	1	1
20.	Compounder	1	1	-
21.	Dresher	1	1	-
22.	Lab Attendant (Medical)	1	1	-
23.	Ward Boy	1	1	-
24.	Mid-wife	1	1*	*Against Anuchar post
25.	Sweeper	4	4*	*Against Anuchar post
Total		**41**	**32+5*=37**	**04**

Table:6. Non Teaching Staff (Filled position of non teaching staff)

S.N.	Name	Designation
1.	Shri Satyendra Pal	Superintendent of Physical Education
2.	Shri Subhash Chandra Yadav	Assistant Workshop Superintendent
3.	Shri Brijesh Kumar Yadav	Farm Superintendent
4.	Shri Shiv Shankar	Lab Technician Grade-I
5.	Shri Brijesh Kumar	Lab Technician Grade-I
6.	Shri Munni Lal	Lab Technician Grade-I
7.	Shri Gyan Prakash	Lab Technician Grade-I
8.	Shri Rajeev Kumar Yadav	Automobile Mechanics
9.	Shri Rajeev Kumar Yadav	Cataloger
10.	Shri Sanjeev Kumar	Junior Engineer Civil
11.	Shri Amit Tiwari	Automobile Mechanics (University attached)
12.	Shri Suresh Prakash	Technical Assistant
13.	Shri Dinesh Kumar	Compounder
14.	Shri Nand Kumar Tiwari	Technical Assistant
15.	Shri Sarvesh Kumar	Technical Assistant
16.	Shri Subodh Yadav	Technical Assistant
17.	Shri Manish Kumar Sahai	Lab Technician Grade-II
18.	Shri Sarvesh Kumar Tripathi	Lab Technician Grade-II
19.	Shri Nawal Kishor Gupta	Dresser
20.	Shri Satish Kumar Nigam	Lab Technician Grade-II
21.	Shri Santosh Kumar Dubey	Senior Assistant (Examination Assistant)
22.	Shri Gyan Singh	Senior Assistant (Admission Assistant)
23.	Shri Surendra Singh	Tractor Operator
24.	Shri Amit Kumar	Junior Assistant (Junior Clerk cum Store Keeper)
25.	Shri Vinod Kumar	Junior Assistant (Junior Clerk cum Store Keeper)
26.	Shri Rajendra Kumar	Assistant Accountant (University attached)
27.	Shri Mahboob Hasan	Senior Assistant (Senior Clerk)
28.	Shri Balgovind	Against of Tractor Operator
29.	Shri Ramesh Babu	Junior Assistant (Junior Clerk cum Typist)
30.	Shri Tej Singh	Junior Assistant (Junior Clerk cum Typist)
31.	Shri Rajesh Babu	Junior Assistant (Junior Clerk cum Typist)
32.	Shri Ayush Tripathi	Junior Assistant (Junior Clerk cum Typist)

33.	Shri Pankaj Kumar	Mail Messenger/Peon
34.	Shri Sushil Kumar Tripathi	Mistri
35.	Shri Munna Lal	Driver
36.	Shri Gopal ji Thakur	Driver
37.	Shri Jagdish Singh	Electrician
38.	Shri Anil Kumar	Medial Attendant
39.	Shri Narendra Singh	Tubwell Operator
40.	Shri Yogendra Pal Singh	Cyclostyleman
41.	Shri Vinay Kumar Agrawal	Cyclostyleman
42.	Shri Manmohan	Daftri
43.	Shri Ram Prakash	Helper Mechanic
44.	Shri Dheer Singh	Cleaner for vehicles
45.	Shri Brijesh Kumar	Field Attendant
46.	Shri Sunil Kumar	Cleaner for vehicles
47.	Shri Vimal Kumar	Field Attendant
48.	Shri Ram Prakash	Electric Sub-Station Attendant
49.	Shri Arvind Kumar-A	Lab Attendant
50.	Shri Vijay Kumar	Mail Messenger/Peon
51.	Shri Asad Ahamed	Lab Attendant
52.	Shri Rajveer Singh	Store Attendant
53.	Shri Rama Kant	Lab Attendant
54.	Shri Chandrashekhar	Store Attendant
55.	Shri Kamlesh Kumar	Store Attendant
56.	Shri Raghuveer Singh	Lab Attendant
57.	Shri Mushtaq Ahamed	Lab Attendant
58.	Shri Mukesh Kumar	Lab Attendant
59.	Shri Shyam Sundra	Electric Sub-Station Attendant
60.	Shri Brijendra Kumar	Lab Attendant
61.	Shri Amarnath	Lab Attendant
62.	Shri Ramnaresh	Stenographer
63.	Shri Ravindra Kumar Singh	Store Attendant
64.	Shri Dinesh Kumar	Mail Messenger/Peon
65.	Shri Rajendra Singh	Lab Attendant
66.	Shri Subedar	Halwaha
67.	Shri Mohammad Manjur	Electric Sub-Station Attendant

68.	Shri Manoj Kumar Katiyar	Electric Sub-Station Attendant
69.	Shri Rajpal Singh	Ward Boy
70.	Shri Netra Pal Singh	Lab Attendant
71.	Shri Man Singh	Lab Attendant
72.	Shri Raghuveer	Mail Messenger/Peon
73.	Shri Shiv Kumar	Mail Messenger/Peon
74.	Shri Arvind Kumar B	Lab Attendant
75.	Shri Mohd. Hussain	Lab Attendant
76.	Shri Man Singh	Daftari
77.	Shri Ram Niwas	Cattleman
78.	Shri Dinesh	Anuchar
79.	Shri Ramesh	Anuchar
80.	Shri Ram Naresh	Anuchar
81.	Shri Shivraj Singh	Anuchar
82.	Smt. Layak Shri	Lab Attendant
83	Shri Ram Kishor	Same-pay-same-work

6.4.4 Classrooms and Laboratories

Mention the number of class rooms and functional laboratories available for the degree programme and justify if it is sufficient to meet the course curricula requirement. Lists major equipments, laboratories, farm facilities, workshops and other instructional units being utilized for the award of the Degree Programme may be given. Mention theory and practical batches for the Degree Programme.

Space for Department, Classrooms and Laboratories

The College is presently having 10 lecture halls with floor area of 1650 sq. m. and 32 laboratories covering an area of 4607 sq m a computer centre with all facilities is also available. A separate of double storied administrative block with an area of 600 sq m is available with the college.

Table:7. Carpet area, No of class rooms and Laboratories

College of Agricultural Engineering & Technology : Instructional Area		
Particulars	**Number of rooms**	**Carpet area of rooms (sq. m.)**
Class rooms	10	1650.00
Tutorial hall	03	450.00
Drawing Hall	03	480.00
Computer Centre	01	150.00
Library	01	970.00
Total number and area for all laboratories & workshops	18+01	1710+3312.19

Workshop Building

CAD Lab

Soil Conservation Lab

Machine Shop

Chemistry Lab

Extension Lab

Language Lab

Post Harvest Technology lab

Food & processing lab

Civil lab

Kinematics of Machine Lab

Farm Power Lab

Farm Machinery Lab

List of major equipment in laboratories, farm facilities & workshop

S.N.	Equipments in Post Harvest Technology/ Dairy / Renewable Energy Lab	Equipments in Soil and Water Conservation Engg./ Irrigation and Drainage Engg. Lab.	Equipments in Farm Machinery & Power Lab
1.	Seed grader	Infiltrometer	Pneumatic Planter
2.	IIPR dal mill	Soil thermometer	Straw combine
3.	CIAE dal mill	Digital moisture meter	Paddy Thresher
4.	Hand grinder	Current meter (cup and pigmy type)	Combine Harvester
5.	Vegetable grader	Trickle (drip) irrigation system	Automatic Potato Planter
6.	Rice tube mill	Sprinkler irrigation system	Zero Seed cum ferti drill
7.	Lab scale paddy sheller	Mist irrigation system	Power operated ground nut decorticator
8.	Lab scale rice polisher	Anemometer	Garlic planter
9.	Oil expeller	Self recording rain gage	Axial flow thresher
10.	Potato peeler	Automatic rainfall recorder	Pulverizer roller
11.	Potato slicer	Sunshine recorder	rotavator
12.	Soybean flaking machine	Stage recorder (Automatic)	Specific fuel consumption measurement setup
13.	Multipurpose grain mill	-	Paddy transplanter
14.	Grain flour separator	-	Power tillers and tractors
15.	Cotton ginning machine	-	Cut model of tractor
16.	Pulper	-	Oxilog
17.	Juice extracting machine	-	Stationary engine 10hp, 5 hp
18.	Refractrometer	-	Self propelled combined
19.	Incubator	-	Post Hole digger
20.	Hot air oven	-	-
21.	Cream separator	-	-
22.	Butter churner	-	-
23.	Solar water heater	-	-
24.	Solar cooker	-	-
25.	Solar lantern	-	-
26.	Solar light	-	-
27.	Ergometer	-	-
28.	Strength measuring	-	-

	setup		
29.	Pulse heart rate monitor	-	-
30.	Hygrometer	-	-
31.	Nova tech load cell	-	-
32.	Textural analyzer	-	-

Theory and practical batches for the degree programme

Table: 8. Structure of theory and Practical classes

Name of the degree programme	Batch of students in Theory classes	Batch of students in Practical Classes
B.Tech. (Agril. Engg.)	1	20 (A Batch) + 20 (B batch)

6.4.5 Conduct of Practical and Hands-on Training

It is important to have a sound grasp of the theory that underlies any professional degree. But there are some skills that can only be learned through hands-on - practice. It is important that much of the learning material in any given course should be provided in a way that allows students to get as involved as possible to increase their knowledge and abilities. Clearly mention how far students are getting desired practical and hands-on-training as per the curriculum and meeting above mentioned requirements.

Generally the college adopts the practical classes outlined in the syllabi recommended by Vth Deans' Committee, in addition to that based on the availability of working models, machines developed through adhoc projects or B. Tech projects by the passed out students developed during their hands on training in departments. Each student get ample opportunities to have exposure during one month summer field training in the area of processing, farm power, SWCE/ irrigation and the like, at different ICAR training centre/state government/private institution/ workshop/ plants in their second and third year. Likewise in the seventh semester of their degree programme students are again provided an opportunity to try their applied knowledge through hands on training in different institutions / plant / industries /local organizations at inter /intra states.

6.4.6 Supervision of Student in UG programme

Number of students being supervised by Faculty in case of Masters/PhD Programme (as per ICAR/UGC guidelines). Mention the realistic figure number of qualified faculty in relation to the intake of students, as per the guidelines in the matter

NA

6.4.7.Feedback of stakeholder (Students, parents, industries, employers, farmers etc.)

Mention the feedback mechanism (duly supported by the documents) from different stakeholders of the degree programme. What action the University has taken in last five years to address the issues raised in the feed back?

For making strategies for improvement of any organization, feedback from students and stakeholders play very significant role. There is a mechanism to looking for feedback from students regarding teaching, learning process. College developed proforma provided to students every year on during final placement in order to record their responses to queries related to syllabus, course outlines, teaching, administrative services, lab, placement, industrial visit, training programme and other facilities provided to them. The report is then analyzed by keeping all the responses systematically and provides a cumulative assessment of the questionnaire. The summary on course/ course outline, team work opportunity/ Expert lecture and visits/ Extra curricular, teacher- student relationship / internal assessment and assignments, hostel/ Healthcare, University / Teaching appraisal, library/ computers, administration / NTS/ NSS/NCC, laboratories, Good points of teaching, difficulties, and suggestions are shared among the faculty for further referenced and follow up action.

The industrial community foresees the University as a vehicle of immense growth and productivity in the business and economic activities in Central Uttar Pradesh. They are of the view that the University can give boost to several Agricultural Engineering based industries. It can help set up agril processing units, encourage agricultural processed designing of machines, provide employment and benefit to stake holders, provide technical knowhow to rural youth. Growth of Farm Machinery & power based industries in collaboration with the college will directly lead to better business, development of Agricultural equipment and machinery, stimulus to transport industry, cold storage etc. As an educational institute, the College can refurnish the image and encourage the local youth to join the college and gain scientific knowledge about Agricultural Engineering technology. This youth will then be a major human resource for the Farm machinery & power and Agricultural processing industries here, something which is at present lacking.

The college has been working continue since 1994-95 to forge close and everlasting ties with the farmers of central Uttar Pradesh region especially Kanpur division, in an

Endeavour to understand their concerns and provide them support in terms of training, resource and technology, and with a view of empowering them as well as fulfilling the objectives of the university.The feedback on various problems related to agriculture sector are collected through State Agriculture/ Agricultural Engineering development as well as by organizing the field days, field visits, farmers training etc. Strong linkages have been developed with Krishi Vigyan Kendra (KVKs), Etawah, Mainpur, Firozabad and Auriya.

Strong feedback mechanisms are being implemented by the officers and faculty of Agriculture Department. The programmes have been taken up like ELP, student READY and National Service Scheme (NSS) for the students. The college is established in 1994-95 and all efforts being made to have strong monitoring and feedback mechanisms for overall development of the students output in the country, particularly in Kanpur division of Uttar Pradesh.

6.4.8. Student intake and attrition in the programm for last five year.

Year wise information on sanctioned strength, actual intake and attrition in the last five years of the Degree Programme, in the tabular form, shall be provided.

Table 7. Intake and attrition in the last five years of the Degree Programme

Name of the Degree Programme	Actual student admitted in last five years					Attrition (%)				
	2015-16	2016-17	2017-18	2018-19	2019-20	2015-16	2016-17	2017-18	2018-19	2019-20
B. Tech. Agril. Engg.	38	29	33	37	35	10.53	0.00	0.00	16.22	0.00
C.										

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 shortfall, it shall be clearly mentioned.

The college has developed effective physical ambience, information and communication technology, (ICT) infrastructure, quality teaching and research. These include net connectivity currently comprises to 1 Jio fibre based. Knowledge Gateway (in-house, Subscribed and Open Access Resource).Language / Grammar Check Tools, access and computing facility have also been developed in the college. The facilities like library and seminar hall,

Examination hall, Video conferencing room etc. are available to impart qualitative teaching learning and extension education to the students as per requirement.

In addition, the college has 01 smart classroom and 06 laboratories with all required facilities of undergraduate. The teaching is done with the aid of latest ICT technologies (multimedia and LCD projectors along with display boards) for enabling more interactive and participatory teaching for better grasping and learning to the students. The library has developed an integrated reading space that facilitates print and online access. It has 80+ seating capacity and the state of art e-library having computers, with LCD screens for demonstration and access to the knowledge of the information resources.

Normally the teaching is done offline in real mode in the classroom but due to COVID-19 pandemic entire institutions globally switched over to online mode of teaching virtually likewise this college also gradually switched over to online mode teaching using ICT tools like CeRA, NPTEL and using Audio, Video and interacting with students through google meet, ZOOM; etc

6.4.10 The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG/PG degree programmes.

Submitted

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

The college administration is ready to all facilities to the committee whenever required

6.4.12 *Certificate (Application when SSR is submitted for Programme)*

I, **J.P. Yadav**, the Dean, College of Agricultural Engineering & Technology 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

Self Study Report for
PG Programme
in
Agricultural Engineering

College of Agricultural Engineering & Technology, Etawah

Chandra Shekhar Azad University of Agriculture & Technology, Kanpur – 208002

Self Study Report for the Programme PG Programme in Agricultural Engineering

6.4. Self Study Report for the Programme

6.4.1 Brief History of the Degree Programme

Clearly mention in which year the degree program was initiated along with its objective and accomplishments.

The foundation stone of the College of Agricultural Engineering & Technology, Etawah was laid down by Shri Mulayam Singh Yadav, then Hon'able Chief Minister of Uttar Pradesh on 8th October 1994. 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 field of Agricultural Engineering and Technology. The B. Tech. degree program in Agricultural Engineering was started in academic year 1994-95. B. Tech. degree program in the disciplines of Electronics & Communication Engg and Computer Science and Engg has also started from the academic session 2002-03 and B.Tech. degree program in the discipline Mechanical Engineering has also started from the academic session 2003-04. *The PG programs (M Tech in Agricultural Engineering and Mechanical Engineering) also started from the academic session 2017-18 in the campus.*

This campus is spread over an area of about 113.71 acres. Besides this, there is a demonstration cum research farm of 22.5 acres. This technology campus of the University is now well established workshop, Academic Building, Library, Advance Research Centre, Medical Centre, Girls (04) & Boys hostels (03), residential quarters (86) for staff, teachers and Dean. The college from its very inception had adopted a very progressive policy and extended all possible facilities to the students for their better education and co-curricular activities.

Brief History of the Degree Programme

Degree programme	Year in which degree started
M. Tech Agri Engineering	2017-18

Goal:

To make provision for quality education and provide good facilities for research & extension for the students of rural areas and scientists in the field of Agricultural Engineering & Technology

Mandate

To plan, coordinate, and monitor R&D programs and serve as an information repository in Agricultural Engineering to enhance production and productivity of farmers.

Thrust Area

- Agricultural engineering database development for agricultural machinery and manufacturers
- Design, development and commercialization of farm implements and machinery for mechanization of
  - Precision farming for enhanced input use efficiency
  - Conservation agriculture for carbon sequestration under rice-wheat system
  - Sugarcane harvesting
  - Horticultural crops
  - Nursery raising under covered cultivation
  - Root crops harvesting
  - Straw and crop residue management (collection, handling, mulching etc.)
  - Feed and fodder crops
  - Oil-seeds and pulses
- Prototype feasibility testing and front-line demonstration of improved farm implements and machinery
- Promoting custom hiring services through entrepreneurship for use of high capacity farm equipment
- Streamlining of testing procedure, training of engineers and conducting testing of farm equipment for standardization and quality control in farm equipment manufacturing.

Accomplishment:

The first batch of student took admission in Post Graduate (PG) programme, Master of Technology (Agricultural Engineering) during academic session 2017-18 with the provision for intake of 05 students. In first batch students were admitted at undergraduate level through UPCATET. The course curriculum adopted by teaching was as per IV Dean's Committee of ICAR.

During, 2017-18, 2018-19 and 2019-20, out of 05 intake capacity 03, 01, 01students registered in M.Tech (Agricultural Engineering) programme, respectively.

Table 1. Number of students intake and placed during 2015-2019

Year / Degree	2017-18	2018-19	Average
students intake in M.Tech	03	01	01

Number of students placed	02	01	-
% students placed	67	100	

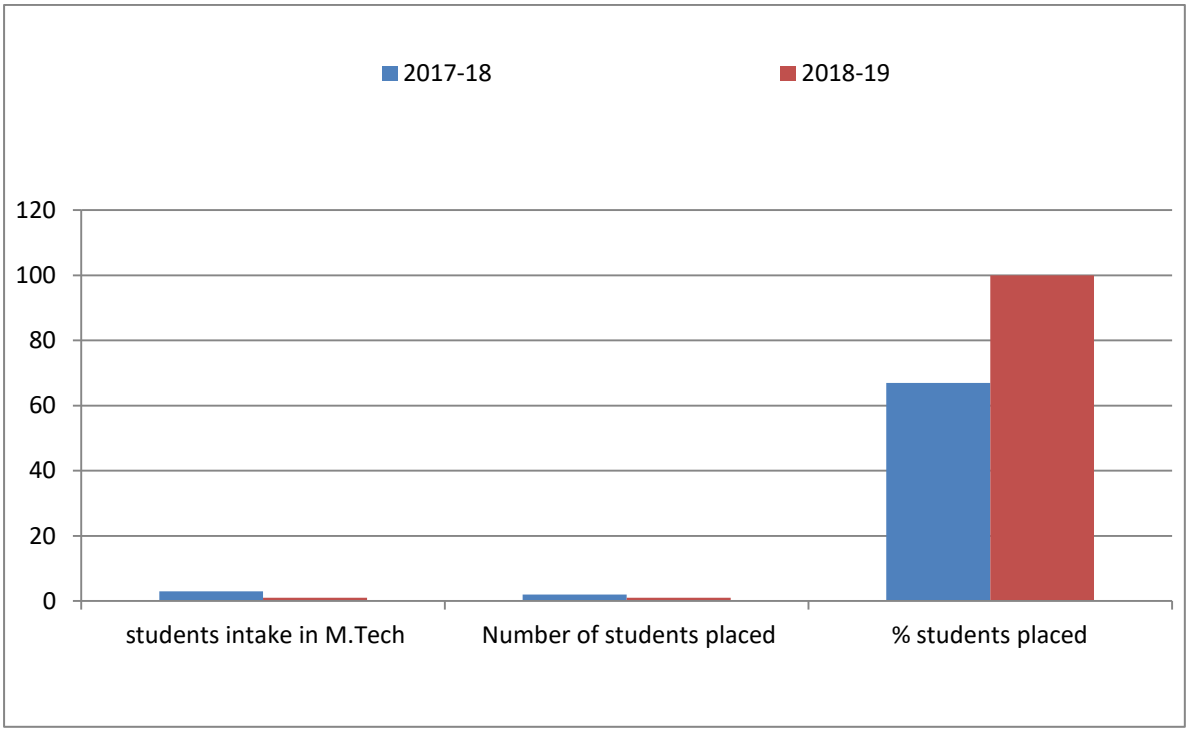


Figure:1 Number of students intake and placed and percentage during 2017-2019

6.4.2 Faculty Strength

The faculty strength of the Degree Programme need to be given cadre-wise, both sanctioned and in-place (under the table mentioned below). Clearly mention the number of permanent faculty appointed for the Degree Programme, part time faculty being deputed from the other departments (in such case mention the name of these departments). If the Degree Programme is also taking the help of Research staff, extension staff, contractual faculty, guest faculty, adjunct faculty or any other arrangement being made to complete the curriculum, it should be clearly mentioned in the report.

Table:1. Sanctioned and filled post

S. N.	Post	No of sanctioned Post	in-position	Vacant	Total	Faculty Recommended by ICAR
1.	Dean	1	1	-	1	1
2.	Professor	4	-	4	-	4
3.	Associate Professor	8	2	6	2	6
4.	Assistant Professor	14	8	6	8	6
6.	Contractual Faculty	-	10	-	10	-
7.	Guest Faculty	-	09	-	09	-
Total		**27**	**29**	**17**	**29**	**27**

Table: 2.Faculty Profile

S.N.	Name of the Faculty	Designation / Position
1.	Dr J P Yadav	Professor, Mechanical Engg. / Dean
2.	Dr Harish Chandra Singh	Professor, Extension Education
3.	Dr Devendra Kumar	Associate Professor, Processing & Agril Structure
3.	Dr Devendra Singh	Professor, Chemistry
4.	Dr N K Sharma	Professor, Physics
5.	Dr T K Maheshwari	Assistant Professor, Farm Power & Machinery

Table:4.Teaching Associate

Teaching work load of UG and PG Program 2015-16 to 2019-20

Name of the faculty	Name of the courses (s) teaching	Course Credit	Credits hours	No of collaborate teachers/ scientists	Work load
Er. V. K. Verma Associate Professor (Processing & Agriculture Structure)	Crop process Engineering	PHE-202	3(2+1)	02	02.0
	Drawing and storage Engg.	PHE-302	4(3+1)	02	2.5
	Water and by product utilization	PHE-402	3(2+1)	01	4.0
	Project (UG)	-	6(0+6)	01	6.0
	Agricultural structure and Environmental control	PFE-301	3(2+1)	01	4.0
	Food packaging Technology	PHE-401	2(1+1)	01	3.0
	Renewable energy sources	FME-303	3(2+1)	01	4.0
	Unit operations in Food Process Engg.	AEN-511	3(2+1)	01	4.0
	Advanced Food Process Engg.	AEN-521	3(2+1)	01	4.0
	Post, Harvest Processing of grains	AEN-535	3(2+1)	01	4.0
	Farm Structures And Environmental Control	AEN-524	3(2+1)	01	4.0
	Total		**36**		**41.5**
Dr. Mohd. Gufran Professor (Soil and Water Conservation Engg)	Soil and Water Conservation Engg.	SWE-201	3(2+1)	01	04
	Watershed hydrolysis	SWE-202	3(2+1)	01	04
	Ground water, wells and pump	SWE-301	3(2+1)	01	04
	Drainage Engg.	SWE-	2(2+1)	01	03

		302			
	Soil & Water Conservation Structure	SWE-303	3(2+1)	01	04
	Watershed planning and management	SWE-401	3(2+1)	01	04
	Gully & Ravine control structures	SWE-402	3(2+1)	01	04
	Watershed hydrolysis	SWE-201	2(1+1)	01	03
	Irrigation Engg.	IDE-201	3(2+1)	01	04
	Sprinklers and Micro Irrigation systems	IDE-202	2(1+1)	01	03
	Watershed planning and management	SWE-302	3(2+1)	-	-
	Soil and water conservation Engg.	SWE-301	2(1+1)	-	-
	Drainage Engg.	IDE-301	2(1+1)	02	1.5
	Watershed harvesting and soil conservation structures	IDE-303	3(2+1)	01	4.0
	Ground water, wells and Pumps	IDE-302	3(2+1)	01	2.0
	Project (UG)	-	6(0+6)	01	6.0
	Total		46		50.5
Dr. Devendra Kumar Associate Professor (Processing and Agril. structure)	Engg. Properties of Biological Material	PHE-201	3(2+1)	02	2.0
	Project (UG)	-	6(0+6)	01	6.0
	Seminar (UG)	-	1(0+1)	01	1.0
	Crop Process Engineering	PHE-202	3(2+1)	02	2.0
	Drawing and storage engineering	PHE-302	4(3+1)	02	2.5
	Dairy and Food Engineering	PHE-303	3(2+1)	02	2.0
	Dairy and Food Engineering	PFE-303	3(2+1)	02	2.0
	Development of processing products & Equipment's.	PHE-403	3(2+1)	01	4.0
	Engg. Properties of Agril. Produce	PFE-201	2(1+1)	01	3.0
	Food processing Plant design and layout	PHE-404	3(2+1)	01	4.0
	Post-harvest Engg. of Cereals, pulses and oilseeds	PFE-302	3(2+1)	01	4.0
	Post-harvest Engg. of Horticultural crops	PFE-304	2(1+1)	01	3.0

	Development of processes products	FPE-403	3(2+1)	01	4.0
	Process Equipment design	FPE-406	3(2+1)	01	4.0
	Project planning report writing	AGE-405	10(0+10)	01	10.0
	Educational tour	AGE-404	2(0+2)	01	2.0
	Fat rich dairy products	DTH-203	3(2+1)	01	4.0
	Condensed and dried milk	DTH-204	4(3+1)	01	5.0
	Ice-cream and frozen deserts	DTH-206	3(2+1)	01	4.0
	Engg. Properties off food materials	AEN-512	3(2+1)	01	4.0
	Unit operations in food process Engg.	AEN-511	3(2+1)	01	4.0
	Drawing and dehydration of foods	AEN-516	3(2+1)	01	4.0
	Post harvest processing of grains	AEN-535	3(2+1)	01	4.0
	Transport phenomena in food processing	AEN-522	3(2+1)	01	4.0
	Farms structures and environmental control	AEN-524	3(2+1)	02	2.0
	Processing of cereals, pulses and oilseeds	AEN-531	3(2+1)	01	4.0
	Advanced food process Engg.	AEN-521	3(2+1)	01	4.0
	Basic concepts in laboratory techniques	PGS-504	1(0+1)	02	1.0
	Seminar (UG)	AEN-591	1(0+1)	01	1.0
	Thesis (PG)	AEN-599	20(0+20)	01	20.0
	Total		**110**		**120.5**
Er. Piyush Kumar Assistant Professor (ECE	Electronic Measurement	EC-232	5(3+1+3)	01	05
	Electronic instrumentation	EC-351	5(2+1+3)	01	05
	Microprocessor Theory	EC-353	5(3+1+3)	01	05
	Optical communication	EC-471	5(3+1+3)	02	2.5
	Instrumentation & Process Control	DEN-301	3(2+1)	01	03
	Applied Electronic and Instrumentation	ECE-202	3(2+1)	01	03
	Electronic circuits	EC-243	5(3+1+3)	01	05
	Communication Hardware design	EC-363	5(3+1+3)	01	05
	Basic Electrical Engg.	DEN-	3(2+1)	01	03

		107			
	Fundamental of electronics Engg	ECE-111	5 (3+1+2)	01	05
	Electronics workshop & PCB	ECE-112	2(0+0+4)	01	02
	Fundamental of Electronics	EC-121	3(2+0+2)	01	03
	Digital Hardware Design	EC-483	4(3+1+0)	01	04
	Basic Television Engg.	EC-481	4(3+1+0)	01	04
	Solid State physics	BSH-232	5(3+1+2)	02	2.5
	Signal & System	ECE-241	4(3+1+0)	01	04
	Project – I	EC-475	2(0+0+3)	01	02
	Project II	EC-485	6(0+0+12)	01	06
	Total				69

Name of the Faculty	Name of the Course(s)	Course Code and Credit Hours	Number of Collaborator Teacher/Scientists	Work Load
Dr. H.C. Singh Professor, Extension Education				
1	Principles of Soil Science	AGS-101 03(2+1)	01	03.0
2	Principles of Horticultural Crops & Plant Protection	AGS-201 02(1+1)	01	02.0
3	Principles of Agronomy	AGS-202 03(2+1)	01	03.0
4	Fundamentals of Dairy Extension	DBM-201 03(2+1)	01	03.0
5	Fisheries Extension Education	FES-202 02(1+1)	01	02.0
6	Sprinkler and Micro Irrigation System	IDE-202 02(1+1)	01	02.0
7	Human Values	OE-481 04(4+0)	01	04.0
8	Library and Information Services	PGS-501 02(0+2)	2	01.0
9	Project Planning and Report (B. Tech Thesis)	AGE-405 10(0+10)	01	10.0
10	Ph.D. Seminar	AEX-699 01(0+1)	01	01.0
11	Ph.D. Thesis	AEX-700 45(0+45)	01	45.0
Total				**75.0**

Name of the Course(s)	Course Code	Credit Hours	Number of Collaborator Teacher/Scientists	Work Load
Er. Devendra Singh				
Engineering Mathematics	CED-102	(2+1)	1	8
Heat and Mass Transfer	MED-101	(2+0)	1	2
CAD/CAM	MED-518	(1+2)	1	5
Project I	ME-475	(0+0+4)	1	4
Fluid Mechanics	DEN-102	(2+1)	1	6

	Total	25

Name of the Course(s)	Course Code	Credit Hours	Number of Collaborator Teacher/Scientists	Work Load
Er. Hemant Kumar Varshney Assistant Professor , Electronics & Communication Engineering Department				
1. Electrical Circuits and	EEE-111	5 (3+1+2)	1	5
2. Digital Electronics Circuits	ECE-232	5 (3+1+2)	1	5
3. Control System	ECE-351	5 (3+1+2)	1	5
4. Analog Integrated Circuit	ECE-352	5 (3+1+2)	1	5
5. Digital Circuits & Logic	ECE-231	4 (3+1+0)	1	4
6. Digital Signal Processing	BSH-352	4 (3+2+0)	1	4
7. Electromagnetic Field Final	ECE-242	4 (3+1+0)	1	4
8. Professional Elective II	EC 481	4 (3+1+0)	1	4
9. Professional Elective III	EC 482	4 (3+1+0)	1	4
10. Digital Hardware Design	EC 483	4 (3+1+0)	1	4
11. Satellite Communication	EC 484	4 (3+1+0)	1	4
12. Digital Signal Processing	EC 472	5 (3+1+3)	1	5
13. Micro Electronics Devices	EC 473	4 (3+1+0)	1	4
14.Project-I	EC 475	2(0+0+3)	1	2
15. Project II	EC 485	6	1	6
16. Summer Field Training	EC 476	1 (0+0+2)	1	1
17. Communication Systems-I	EC-352	5 (3+1+3)	1	5
18. Advanced Electric Circuits	EE 361	5 (3+1+3)	1	5
19. Communication Hardware	EC 363	5 (3+1+3)	1	5
20. Communication System-II	EC-365	5 (3+1+3)	1	5
21. Open Elective-I	OE 471	4 (3+1+0)	1	4
22. Professional Elective-I	EC 474	4 (3+1+0)	1	4
23. Electronics -II	EC-231	5 (3+1+3)	1	5
24. Switching and Pulse Theory	EC-231	5 (3+1+3)	1	5
25. Electrical Machine and	CSE-301	3 (2+1)	2	1.5
26. Linear IC’s and	EC-242	4 (3+1+3)	1	4
27. Solid State Devices	EC-244	5 (3+1+3)	2	2.5
28.Electronics Circuits	EC-243	5 (3+1+3)	1	5

Name of Faculty	Name of the Course(s) Teaching	Course Code	Teaching Credit Hours	Number of Collaborator Teacher /Scientists	Workload
Dr. Tarun Kumar Maheshwari (FPM)	Farm Machinery and Equipment-I	FME-201	3 (2+1)	01	**3**
	Field Operation and Maintenance of Tractors and	FME-101	1(0+1)	01	**1**
	Field Operation and Maintenance of Tractors and	FME-203	2(1+1)	01	**2**
	Farm Machinery and Equipment-II	FME-202	3 (2+1)	01	**3**
	Tractor System and	FME-301	3(2+1)	01	**3**
	Farm Power	FME-302	3 (2+1)	01	**3**
	Mechanics of Tillage and Traction	FME-408	3 (2+1)	01	**3**
	Tractor Design and	FME-401	3(2+1)	01	**3**
	Tractor and Automotive	FME-201	3 (2+1)	01	**3**
	Farm Machinery and	FMPE-313	3 (2+1)	01	**3**
	Tractor and Farm Machinery Operation and	FMPE-325	2 (0+2)	01	**2**

Name of the Faculty	Name of the Course teaching	Course Code	Credit Hours	Name of the Collaborator Teacher/Scientist	Workload
Dr. Rajeev Singh	Agribusiness Management and Trade(B.Tech.Agril.Engg.)	SSE101	(3+0)	None	3
	Entrepreneurship Development &Business Management(B.Tech.Agril.Engg.)	AGS102	(2+1)	None	3
	Engineering Economics(B.Tech. Computer Science &Engg.)	HU231	(2+1+0)	None	3
	Management Science(B.Tech. Computer Science &Engg.)	HU351	(2+1+0)	None	3
	Management Science(B.Tech. Mech.Engg.)	HU351	(2+1+0)	None	3

	Project Management &Business Management	HU361	(2+1+0)	None	3
	Management Science(B.Tech. Electronics &Communication.Engg.)	HU351	(2+1+0)	None	3
	E-Commerce, Technology Management(B.Tech. Mech.Engg.)	OE471	(3+1+0)	None	4
	E-Commerce(B.Tech. Computer Science &Engg.)	OE471	(3+1+0)	None	4
	E-Commerce(B.Tech. Electronics & Communication.Engg.)	OE471	(3+1+0)	None	4
	Knowledge Management(B.Tech. Electronics & Communication.Engg.)	BSH127	(2+1+0)	None	3
	Engineering and Managerial Economics(B.Tech.EC Engg.)	BSH351	(2+1+0)	None	3
	Engineering and Managerial Economics(B.Tech.CS Engg.)	BSH351	(2+1+0)	None	3
	Engineering and Managerial Economics(B.Tech.ME Engg.)	BSH351	(2+1+0)	None	3
	Economic Analysis	DBM105	(2+0)	None	2
	Marketing Management &International Trade	DBM201	(2+0)	Shri Pawan Kumar Yadav (Guest Faculty)	2
	Entrepreneurship Development &Industrial Consultancy (B.Tech.DairyTecchnology)	DBM202	(2+0)	Shri Pawan Kumar Yadav (Guest Faculty)	2
	Financial Management &Cost Accounting (B.Tech.Dairy Technology)	DBM402	(2+1)	None	3
	Fisheries Cooperative &Marketing(BFSc.)	FES301	(1+1)	None	2
	Fisheries Business management& entrepreneurship development(BFSc.)	FES303	(1+0)	None	1

	Seminar	**-**	**1(1+0)**	**01**	**1**
	B.Tech. Thesis	**AGE-405**	**30(0+10)**	**01**	**30**
	Total work load				60

Name of the Faculty	Name of the course(Teaching)	Course Code	Credit Hours	Number of Collaborator Teacher /Scientists	Workload
Er. Neerja Sharma Teaching Assoc.	Dept. – CS SOFTWARE LAB-1	CSE-112 02 (0+0+4)	02	01	02
	Dept. - CS Advanced Computer Architecture	CSE -354 05 (3+1+2)	05	01	05
	Dept. – Dairy Computer Application and Software Package	DBM-103 02 (1+1)	02	01	02
				Total	**09**

6.4.3. Technical and Supporting staff

The position of the technical and supporting staff of the Degree Programme including farm and field workers need to be mentioned for both sanctioned and in- place.

Table :5.(a) Non-Teaching Staff Position (under Non Plan)

S.N.	Designation	Posts sanctioned	Filled	Vacant
1.	Deputy Registrar	1	-	1
2.	Deputy Comptroller	1	-	1
3.	Security Officer	1	-	1
4.	Security Inspector	1	-	1
5.	Physical Education Suptd	1	1	0
6.	Account Officer	1	-	1
7.	Librarian	1	-	1
8.	Asstt Registrar	1	1	0
Total		**8**	**2**	**6**

Table :5 (b) Technical Staff Position (under Non Plan)

S.N.	Designation	Posts sanctioned	Filled	Vacant
	Asstt. Workshop Superintendent	1	1	-
2.	Farm Superintendent	1	1	-

3.	Lab Technecian Grade I	6	4	2
4.	Junior Engineer (Civil)	1	1	-
5.	Junior Engineer (Elect)	1	-	1
6.	Automobile Mechanic	2	2	-
7.	Lab Technecian Grade II	10	2	8
8.	Tractor Operator	2	1+1*	*against the post
9.	Electrician	1	1	-
10.	Driver	2	2	-
11.	Tube well Operator	2	1	1
12.	Cyclostyleman	2	2	-
13.	Mechanic Helper	2	2	-
14.	Lab Attendant	16	14+1*=15	1
15.	Cleaner for Vehicle	2	2	-
16.	Electric Sub Station Attendant	2	2+2* = 4	* against Meth* 1 Against Lab Attendant
Total		**53**	**37+4*=41**	**12**

Table :5 (c) Supporting Staff Position (under non-plan)

Sl. No.	**Designation**	**Posts sanctioned**	**Filled**	**Vacant**
1.	Office Secretary/ Office Superintendent (Head Asstt.)	1	-	1
2.	Accountant	1	-	1
3.	Examination Assistant (Senior Assistant)	1	1	-
4.	Stenographer	1	1	-
5.	Cataloger	1	1	-
6.	Admission Assistant (Senior Assistant)	1	1	-
7.	Head Clerk (Head Assistant)	1	-	1
8.	Senior Clerk (Senior Assistant)	1	1	-
9.	Asstt. Accountant	1	1	-
10.	Junior Clerk/typist (Junior Assistant)	4	4	-
11.	Store Keeper (Junior Assistant)	2	2	-
12.	Daftari	2	2	-
13.	Store Attendant	4	4	-
14.	Field Attendant	2	2	-
15.	Meth	1	1	-
16.	Cattleman	1	1	-
17.	Halwaha	1	1	-
18.	Mail Messenger/Peon	5	5	-
19.	Nurse	1	1	1
20.	Compounder	1	1	-
21.	Dresher	1	1	-
22.	Lab Attendant (Medical)	1	1	-
23.	Ward Boy	1	1	-
24.	Mid-wife	1	1*	*Against Anuchar post

25.	Sweeper	4	4*	*Against Anuchar post
Total		**41**	**32+5*=37**	**04**

Table:6.Non Teaching Staff (Filled position of non teaching staff)

S.N.	Name	Designation
1.	Shri Satyendra Pal	Superintendent of Physical Education
2.	Shri Subhash Chandra Yadav	Assistant Workshop Superintendent
3.	Shri Brijesh Kumar Yadav	Farm Superintendent
4.	Shri Shiv Shankar	Lab Technician Grade-I
5.	Shri Brijesh Kumar	Lab Technician Grade-I
6.	Shri Munni Lal	Lab Technician Grade-I
7.	Shri Gyan Prakash	Lab Technician Grade-I
8.	Shri Rajeev Kumar Yadav	Automobile Mechanics
9.	Shri Rajeev Kumar Yadav	Cataloger
10.	Shri Sanjeev Kumar	Junior Engineer Civil
11.	Shri Amit Tiwari	Automobile Mechanics (University attached)
12.	Shri Suresh Prakash	Technical Assistant
13.	Shri Dinesh Kumar	Compounder
14.	Shri Nand Kumar Tiwari	Technical Assistant
15.	Shri Sarvesh Kumar	Technical Assistant
16.	Shri Subodh Yadav	Technical Assistant
17.	Shri Manish Kumar Sahai	Lab Technician Grade-II
18.	Shri Sarvesh Kumar Tripathi	Lab Technician Grade-II
19.	Shri Nawal Kishor Gupta	Dresser
20.	Shri Satish Kumar Nigam	Lab Technician Grade-II
21.	Shri Santosh Kumar Dubey	Senior Assistant (Examination Assistant)
22.	Shri Gyan Singh	Senior Assistant (Admission Assistant)
23.	Shri Surendra Singh	Tractor Operator
24.	Shri Amit Kumar	Junior Assistant (Junior Clerk cum Store Keeper)
25.	Shri Vinod Kumar	Junior Assistant (Junior Clerk cum Store Keeper)
26.	Shri Rajendra Kumar	Assistant Accountant (University attached)
27.	Shri Mahboob Hasan	Senior Assistant (Senior Clerk)
28.	Shri Balgovind	Against of Tractor Operator
29.	Shri Ramesh Babu	Junior Assistant (Junior Clerk cum Typist)
30.	Shri Tej Singh	Junior Assistant (Junior Clerk cum Typist)
31.	Shri Rajesh Babu	Junior Assistant (Junior Clerk cum Typist)
32.	Shri Ayush Tripathi	Junior Assistant (Junior Clerk cum Typist)
33.	Shri Pankaj Kumar	Mail Messenger/Peon
34.	Shri Sushil Kumar Tripathi	Mistri
35.	Shri Munna Lal	Driver
36.	Shri Gopal ji Thakur	Driver
37.	Shri Jagdish Singh	Electrician
38.	Shri Anil Kumar	Medial Attendant
39.	Shri Narendra Singh	Tubwell Operator

40.	Shri Yogendra Pal Singh	Cyclostyleman
41.	Shri Vinay Kumar Agrawal	Cyclostyleman
42.	Shri Manmohan	Daftri
43.	Shri Ram Prakash	Helper Mechanic
44.	Shri Dheer Singh	Cleaner for vehicles
45.	Shri Brijesh Kumar	Field Attendant
46.	Shri Sunil Kumar	Cleaner for vehicles
47.	Shri Vimal Kumar	Field Attendant
48.	Shri Ram Prakash	Electric Sub-Station Attendant
49.	Shri Arvind Kumar-A	Lab Attendant
50.	Shri Vijay Kumar	Mail Messenger/Peon
51.	Shri Asad Ahamed	Lab Attendant
52.	Shri Rajveer Singh	Store Attendant
53.	Shri Rama Kant	Lab Attendant
54.	Shri Chandrashekhar	Store Attendant
55.	Shri Kamlesh Kumar	Store Attendant
56.	Shri Raghuveer Singh	Lab Attendant
57.	Shri Mushtaq Ahamed	Lab Attendant
58.	Shri Mukesh Kumar	Lab Attendant
59.	Shri Shyam Sundra	Electric Sub-Station Attendant
60.	Shri Brijendra Kumar	Lab Attendant
61.	Shri Amarnath	Lab Attendant
62.	Shri Ramnaresh	Stenographer
63.	Shri Ravindra Kumar Singh	Store Attendant
64.	Shri Dinesh Kumar	Mail Messenger/Peon
65.	Shri Rajendra Singh	Lab Attendant
66.	Shri Subedar	Halwaha
67.	Shri Mohammad Manjur	Electric Sub-Station Attendant
68.	Shri Manoj Kumar Katiyar	Electric Sub-Station Attendant
69.	Shri Rajpal Singh	Ward Boy
70.	Shri Netra Pal Singh	Lab Attendant
71.	Shri Man Singh	Lab Attendant
72.	Shri Raghuveer	Mail Messenger/Peon
73.	Shri Shiv Kumar	Mail Messenger/Peon
74.	Shri Arvind Kumar B	Lab Attendant
75.	Shri Mohd. Hussain	Lab Attendant
76.	Shri Man Singh	Daftari

77.	Shri Ram Niwas	Cattleman
78.	Shri Dinesh	Anuchar
79.	Shri Ramesh	Anuchar
80.	Shri Ram Naresh	Anuchar
81.	Shri Shivraj Singh	Anuchar
82.	Smt. Layak Shri	Lab Attendant
83	Shri Ram Kishor	Same-pay-same-work

6.4.4. Classrooms and Laboratories

Mention the number of class rooms and functional laboratories available for the degree programme and justify if it is sufficient to meet the course curricula requirement. Lists major equipments, laboratories, farm facilities, workshops and other instructional units being utilized for the award of the Degree Programme may be given. Mention theory and practical batches for the PG Degree Programme.

Space for Department, Classrooms and Laboratories

The department is presently having 10 lecture halls with floor area of 1650 sq. m. and 32 laboratories covering an area of 4607 sq m a computer centre with all facilities is also available. A separate of double storied administrative block with an area of 600 sq m is available with the college.

College of Agricultural Engineering & Technology : Instructional Area		
Particulars	**Number of rooms**	**Carpet area of rooms (sq. m.)**
Class rooms	10	1650.00
Tutorial hall	03	450.00
Drawing Hall	03	480.00
Computer Centre	01	150.00
Library	01	970.00
Total number and area for all laboratories & workshops	18+01	1710+3312.19

List of major equipment in laboratories, farm facilities & workshop

S.N.	Equipments in Post Harvest Technology/ Dairy / Renewable Energy Lab	Equipments in Soil and Water Conservation Engg./ Irrigation and Drainage Engg. Lab.	Equipments in Farm Machinery & Power Lab
1.	Seed grader	Infiltrometer	Pneumatic Planter
2.	IIPR dal mill	Soil thermometer	Straw combine
3.	CIAE dal mill	Digital moisture meter	Paddy Thresher
4.	Hand grinder	Current meter (cup and pigmy type)	Combine Harvester
5.	Vegetable grader	Trickle (drip) irrigation system	Automatic Potato Planter
6.	Rice tube mill	Sprinkler irrigation system	Zero Seed cum ferti drill
7.	Lab scale paddy sheller	Mist irrigation system	Power operated ground nut decorticator
8.	Lab scale rice polisher	Anemometer	Garlic planter
9.	Oil expeller	Self recording rain gage	Axial flow thresher
10.	Potato peeler	Automatic rainfall recorder	Pulverizer roller
11.	Potato slicer	Sunshine recorder	rotavator
12.	Soybean flaking machine	Stage recorder (Automatic)	Specific fuel consumption measurement setup
13.	Multipurpose grain mill	-	Paddy transplanter
14.	Grain flour separator	-	Power tillers and tractors
15.	Cotton ginning machine	-	Cut model of tractor

16.	Pulper	-	Oxilog
17.	Juice extracting machine	-	Stationary engine 10hp, 5 hp
18.	Refractrometer	-	Self propelled combined
19.	Incubator	-	Post Hole digger
20.	Hot air oven	-	-
21.	Cream separator	-	-
22.	Butter churner	-	-
23.	Solar water heater	-	-
24.	Solar cooker	-	-
25.	Solar lantern	-	-
26.	Solar light	-	-
27.	Ergometer	-	-
28.	Strength measuring setup	-	-
29.	Pulse heart rate monitor	-	-
30.	Hygrometer	-	-
31.	Nova tech load cell	-	-
32.	Textural analyzer	-	-

Theory and practical batches for the degree programme

Table: 6. Structure of theory and Practical classes

Name of the degree programme	**Batch of students in Theory classes**	**Batch of students in Practical Classes**
M.Tech. (Agril. Engg.)	1	1

6.4.5 Conduct of Practical and Hands-on Training

It is important to have a sound grasp of the theory that underlies any professional degree. But there are some skills that can only be learned through hands-on -practice. It is important that much of the learning material in any given course should be provided in a way that allows students to get as involved as possible to increase their knowledge and abilities. Clearly mention how far students are getting desired practical and hands-on-training as per the curriculum and meeting above mentioned requirements.

Students are allowed to attend advance training programme conducted by National ICAR and SAUs time to time. Generally the college adopts the practical classes outlined in the syllabi recommended by Vth Deans' Committee, in addition to that based on the availability of working models, machines developed through adhoc projects or B. Tech projects by the passed out students developed during their hands on training in departments. Each student get ample opportunities to have exposure during one month summer field training in the area of processing, farm power, SWCE/ irrigation and the like, at different ICAR training centre/state government/private institution/ workshop/ plants in their second and third year. Likewise in the seventh semester of their degree programme students are again provided an opportunity to try their applied knowledge through hands on training in different institutions / plant / industries /local organizations at inter /intra states.

6.4.6. Supervision of Student in PG/Ph.D. Programme

Number of students being supervised by Faculty in case of Masters/PhD Programme (as per ICAR/UGC guidelines). Mention the realistic figure number of qualified faculty in relation to the intake of students, as per the guidelines in the matter.

NA

6.4.7 Feedback of stakeholders (students, parents, industries employers, farmers etc.)

There is a well established mechanism to looking for feedback from students regarding teaching, learning process. Department developed performed provided to students every year on during final placement in order to record their responses to queries related to syllabus, course outlines, teaching, administrative services, lab, placement, industrial visit, training programme and other facilities provided to them. The report is then analyzed by keeping all the responses systematically and provides a cumulative assessment of the questionnaire. The industrial community foresees the University as a vehicle of immense growth and productivity in the Agri-business and economic activities in Uttar Pradesh. They are of the view that the University can give boost to several agro based industries. It can help set up agri processing units, encourage, provide employment and benefit to stake holders, provide technical knowhow and the like. Growth of agri based industries in collaboration with the department will directly lead to better business, development of agri entrepreneurs,

stimulus to agri based industry etc. As an educational institute, the department can refurnish the image of entrepreneurs and encourage the local youth to join the college and gain scientific knowledge about agri production. This youth will then be a major human resource for the agri business industries here, something which is at present lacking.

The department has been working continue since 2017-18 to forge close and everlasting ties with the farmers of central Uttar Pradesh, in an endeavor to understand their concerns and provide them support in terms of training, resource and technology, and with a view of empowering them as well as fulfilling the objectives of the university.

6.4.8. Student intake and attrition in the programme for last five year.

Year wise information on sanctioned strength, actual intake and attrition in the last five years of the Degree Programme, in the tabular form, shall be provided.

Table 8. Number of students intake and placed during 2017-2019

Name of the Degree Programme	Actual student admitted in last five years			Attrition (%)		
	2017-18	2018-19	2019-20	2017-18	2018-19	2019-20
D. Tech. Agril. Engg.	3	1	3	0.00	0.00	0.00

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 shortfall, it shall be clearly mentioned.

The department has developed effective physical ambience, information and communication technology, (ICT) infrastructure, quality teaching and research. These include net connectivity currently comprises to 1 JIO fibre based. Knowledge Gateway (in-house, Subscribed and Open Access Resource).Language / Grammar Check Tools, access and computing facility have also been developed in the college. The facilities like library and seminar hall, Examination hall, vedio conferencing room etc. are available to impart qualitative teaching learning and extension education to the students as per requirement.

In addition, the college has 01 smart classroom with all required facilities of undergraduate. The teaching is done with the aid of latest ICT technologies (multimedia and LCD projectors along with display boards) for enabling more interactive and participatory teaching for better grasping and learning to the students. The library has developed an integrated reading space that facilitates print and online access. It has 15+ seating capacity and the state of art e-library having computers, with LCD screens for demonstration and access to the knowledge of the information resources.

Normally the teaching is done offline in real mode in the classroom but due to COVID-19 pandemic entire institutions globally switched over to online mode of teaching virtually likewise this college also gradually switched over to online mode teaching using ICT tools like CeRA, Vibex and using Audio, Video and interacting with students through google meet, ZOOM; etc

6.4.10. The information pertaining to 6.4.1 to 6.4.9 are related to UG program at Department of Agri- business management, CSAUAT, Kanpur

Not applicable

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

6.4.12. Certificate (Application when SSR is submitted for Programme)

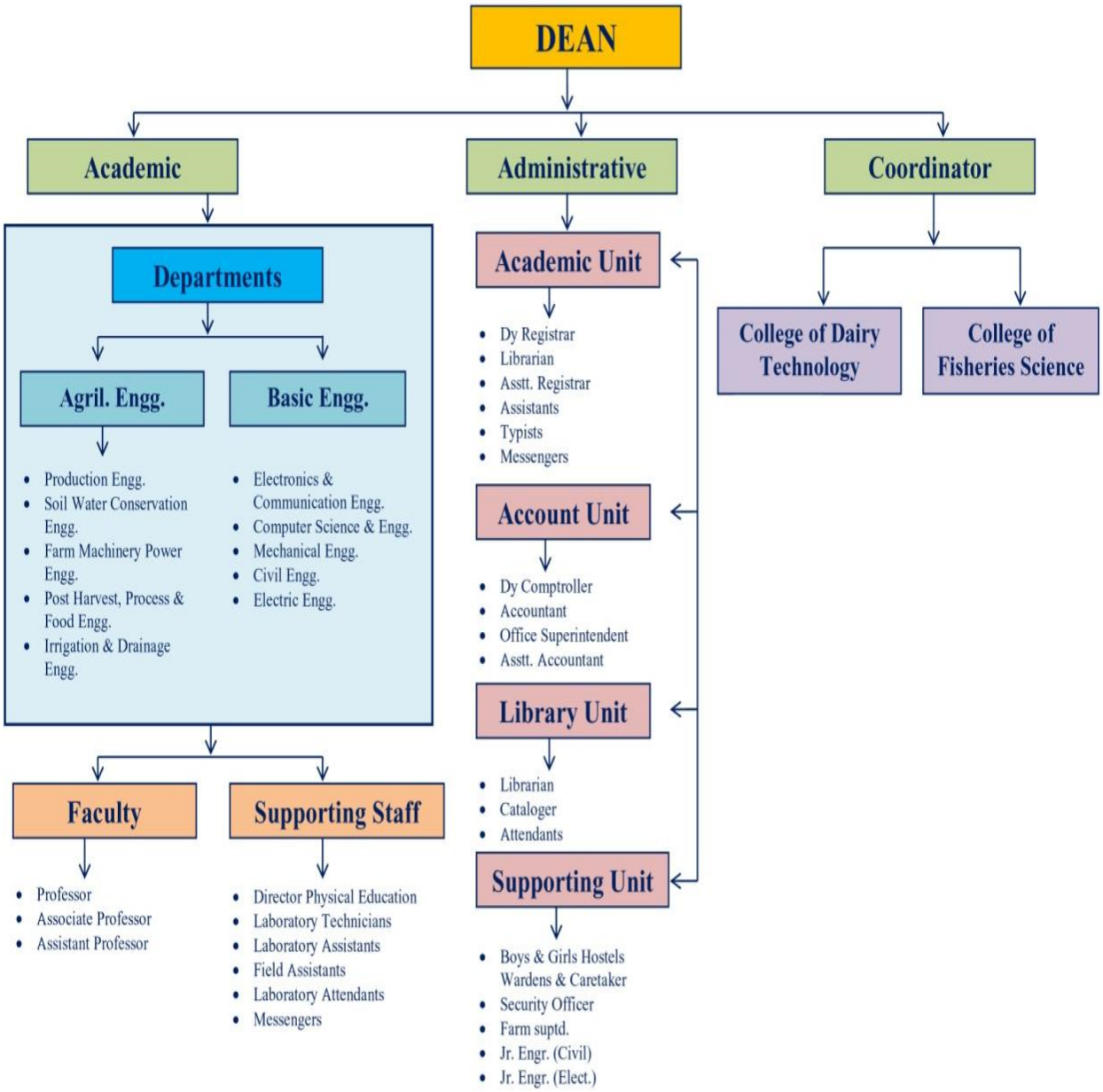
I, Professor (Dr.) **J.P. Yadav** hereby certify that the information contained in the section 6.4.1 to 6.4.9 is furnished as per the records available in the college, and degree awarding University.

Signature of Dean

6.5 Self Study Report forBaba Saheb Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah

6.5.1. College Administration

An administrative building of double storey having floor area of 1704 m^2 is available for Dean, Deputy Registrar, Deputy Comptroller & their staffs.



6.5.1.1. College of Dean's Office Establishment

Whether Dean's post has been sanctioned by the appropriate authority as per ICAR Model Act/UGC guidelines? Date of selection of present Dean, mode of selection, tenure etc. shall be mentioned. Clearly mention the staff and infrastructure/ facilities available in the Dean's Secretariat.

College Deans Office Establishment

Whether Dean's post has been sanctioned by the appropriate authority as per ICAR model Act/UGC guidelines?	The post of Dean has been sanctioned by Department of Agriculture Research and Education (DARE) Ministry of Agriculture and Farmers Welfare, Govt. of India as per ICAR model Act/ UGC guideline.
Date of Selection of present Dean	Presently Dr. J. P. Yadav is working as a Dean since 24.02.2018. He has been nominated for this position by the University Administration till the further order.
Mode of selection of Dean	By the duly constituted approved selection committee having Hon'ble Vice Chancellor of the University as Chairman and at least one Member nominated by the Hon'ble Chancellor of Uttar Pradesh
Tenure of Dean	3 years with the provision of re employment for second term or till incumbent attains age of 62 years, whichever is earlier.

Technical and supporting staff at College of Agricultural Engineering Etawah

Contractual staff including skilled/ semi-skilled manpower have been engaged following standard procedures by the university. Need based skilled/ semi-skilled man power, security guard is hired through the approved contractor as per rules and regulations of the Central / State Government. College of Agriculture Engineering and Technology, Etawah staff all associated with College of Fisheries Science and Research Center, Etawah to performed due to day actives.

The strength of the Technical and Supporting Staff faculty is given below:

(a) Non-Teaching Staff Position (under Non Plan)

S.N.	Designation	Posts sanctioned	Filled	Vacant
1.	Deputy Registrar	1	-	1
2.	Deputy Comptroller	1	-	1
3.	Security Officer	1	-	1
4.	Security Inspector	1	-	1
5.	Physical Education Suptd	1	1	-
6.	Account Officer	1	-	1
7.	Librarian	1	-	1
8.	Asstt Registrar	1	1	-
Total		**8**	**2**	**6**

(b) Technical Staff Position (under Non Plan)

S.N.	Designation	Posts sanctioned	Filled	Vacant
1.	Asstt. Workshop Superintendent	1	1	-
2.	Farm Superintendent	1	1	-
3.	Lab Technecian Grade I	6	4	2
4.	Junior Engineer (Civil)	1	1	-
5.	Junior Engineer (Elect)	1	-	1
6.	Automobile Mechanic	2	2	-
7.	Lab Technecian Grade II	10	2	8
8.	Tractor Operator	2	1+1*	*Against the post
9.	Electrician	1	1	-
10.	Driver	2	2	-
11.	Tube well Operator	2	1	1
12.	Cyclostyleman	2	2	-
13.	Mechanic Helper	2	2	-
14.	Lab Attendant	16	14+1*=15	1
15.	Cleaner for Vehicle	2	2	-

16.	Electric Sub Station Attendant	2	2+2* = 4	* Against Meth* 1 Against Lab Attendant
Total		**53**	**37+4*=41**	**12**

(c) Supporting Staff Position (under non-plan)

Sl. No.	**Designation**	**Posts sanctioned**	**Filled**	**Vacant**
1.	Office Secretary/ Office Superintendent (Head Asstt.)	1	-	1
2.	Accountant	1	-	1
3.	Examination Assistant (Senior Assistant)	1	1	-
4.	Stenographer	1	1	-
5.	Cataloger	1	1	-
6.	Admission Assistant (Senior Assistant)	1	1	-
7.	Head Clerk (Head Assistant)	1	-	1
8.	Senior Clerk (Senior Assistant)	1	1	-
9.	Asstt. Accountant	1	1	-
10.	Junior Clerk/typist (Junior Assistant)	4	4	-
11.	Store Keeper (Junior Assistant)	2	2	-
12.	Daftari	2	2	-
13.	Store Attendant	4	4	-
14.	Field Attendant	2	2	-
15.	Meth	1	1	-
16.	Cattleman	1	1	-
17.	Halwaha	1	1	-
18.	Mail Messenger/Peon	5	5	-
19.	Nurse	1	1	1
20.	Compounder	1	1	-
21.	Dresher	1	1	-
22.	Lab Attendant (Medical)	1	1	-
23.	Ward Boy	1	1	-

24.	Mid-wife	1	1*	*Against Anuchar post
25.	Sweeper	4	4*	*Against Anuchar post
Total		**41**	**32+5*=37**	**04**

Non Teaching Staff (Filled position of non teaching staff)

S.N.	**Name**	**Designation**
1.	Shri Satyendra Pal	Superintendent of Physical Education
2.	Shri Subhash Chandra Yadav	Assistant Workshop Superintendent
3.	Shri Brijesh Kumar Yadav	Farm Superintendent
4.	Shri Shiv Shankar	Lab Technician Grade-I
5.	Shri Brijesh Kumar	Lab Technician Grade-I
6.	Shri Munni Lal	Lab Technician Grade-I
7.	Shri Gyan Prakash	Lab Technician Grade-I
8.	Shri Rajeev Kumar Yadav	Automobile Mechanics
9.	Shri Rajeev Kumar Yadav	Cataloger
10.	Shri Sanjeev Kumar	Junior Engineer Civil
11.	Shri Amit Tiwari	Automobile Mechanics (University attached)
12.	Shri Suresh Prakash	Technical Assistant
13.	Shri Dinesh Kumar	Compounder
14.	Shri Nand Kumar Tiwari	Technical Assistant
15.	Shri Sarvesh Kumar	Technical Assistant
16.	Shri Subodh Yadav	Technical Assistant
17.	Shri Manish Kumar Sahai	Lab Technician Grade-II
18.	Shri Sarvesh Kumar Tripathi	Lab Technician Grade-II
19.	Shri Nawal Kishor Gupta	Dresser
20.	Shri Satish Kumar Nigam	Lab Technician Grade-II
21.	Shri Santosh Kumar Dubey	Senior Assistant (Examination Assistant)
22.	Shri Gyan Singh	Senior Assistant (Admission Assistant)
23.	Shri Surendra Singh	Tractor Operator
24.	Shri Amit Kumar	Junior Assistant (Junior Clerk cum Store

		Keeper)
25.	Shri Vinod Kumar	Junior Assistant (Junior Clerk cum Store Keeper)
26.	Shri Rajendra Kumar	Assistant Accountant (University attached)
27.	Shri Mahboob Hasan	Senior Assistant (Senior Clerk)
28.	Shri Balgovind	Against of Tractor Operator
29.	Shri Ramesh Babu	Junior Assistant (Junior Clerk cum Typist)
30.	Shri Tej Singh	Junior Assistant (Junior Clerk cum Typist)
31.	Shri Rajesh Babu	Junior Assistant (Junior Clerk cum Typist)
32.	Shri Ayush Tripathi	Junior Assistant (Junior Clerk cum Typist)
33.	Shri Pankaj Kumar	Mail Messenger/Peon
34.	Shri Sushil Kumar Tripathi	Mistri
35.	Shri Munna Lal	Driver
36.	Shri Gopal ji Thakur	Driver
37.	Shri Jagdish Singh	Electrician
38.	Shri Anil Kumar	Medial Attendant
39.	Shri Narendra Singh	Tubwell Operator
40.	Shri Yogendra Pal Singh	Cyclostyleman
41.	Shri Vinay Kumar Agrawal	Cyclostyleman
42.	Shri Manmohan	Daftri
43.	Shri Ram Prakash	Helper Mechanic
44.	Shri Dheer Singh	Cleaner for vehicles
45.	Shri Brijesh Kumar	Field Attendant
46.	Shri Sunil Kumar	Cleaner for vehicles
47.	Shri Vimal Kumar	Field Attendant
48.	Shri Ram Prakash	Electric Sub-Station Attendant
49.	Shri Arvind Kumar-A	Lab Attendant
50.	Shri Vijay Kumar	Mail Messenger/Peon
51.	Shri Asad Ahamed	Lab Attendant
52.	Shri Rajveer Singh	Store Attendant
53.	Shri Rama Kant	Lab Attendant
54.	Shri Chandrashekhar	Store Attendant

55.	Shri Kamlesh Kumar	Store Attendant
56.	Shri Raghuveer Singh	Lab Attendant
57.	Shri Mushtaq Ahamed	Lab Attendant
58.	Shri Mukesh Kumar	Lab Attendant
59.	Shri Shyam Sundra	Electric Sub-Station Attendant
60.	Shri Brijendra Kumar	Lab Attendant
61.	Shri Amarnath	Lab Attendant
62.	Shri Ramnaresh	Stenographer
63.	Shri Ravindra Kumar Singh	Store Attendant
64.	Shri Dinesh Kumar	Mail Messenger/Peon
65.	Shri Rajendra Singh	Lab Attendant
66.	Shri Subedar	Halwaha
67.	Shri Mohammad Manjur	Electric Sub-Station Attendant
68.	Shri Manoj Kumar Katiyar	Electric Sub-Station Attendant
69.	Shri Rajpal Singh	Ward Boy
70.	Shri Netra Pal Singh	Lab Attendant
71.	Shri Man Singh	Lab Attendant
72.	Shri Raghuveer	Mail Messenger/Peon
73.	Shri Shiv Kumar	Mail Messenger/Peon
74.	Shri Arvind Kumar B	Lab Attendant
75.	Shri Mohd. Hussain	Lab Attendant
76.	Shri Man Singh	Daftari
77.	Shri Ram Niwas	Cattleman
78.	Shri Dinesh	Anuchar
79.	Shri Ramesh	Anuchar
80.	Shri Ram Naresh	Anuchar
81.	Shri Shivraj Singh	Anuchar
82.	Smt. Layak Shri	Lab Attendant
83	Shri Ram Kishor	Same-pay-same-work

Infrastructure available in the Dean's secretariat

Sr. No.	Name	No. of	Area (sq. m.)

		Room	
1.	Dean Chamber	01	4.50 x 4.30
	PA Office	01	4.49 x 3.20
	Retiring Room	01	3.00 x 2.40
	Toilet	01	1.38 x 2.40
2.	Dean Office	01	4.50 x 6.82
	Photo Copies Machine	01	4.50 x 3.22
3.	Registrar	01	4.50 x 3.25
	Dy Registrar	01	6.00 x 3.20
	Staff Office	01	4.50 x 5.09
4.	Dy Comptroller	01	4.50 x 5.09
	Staff Office	01	6.00 x 3.25
5.	Comptroller Exam	01	4.50 x 3.25
6.	Account Officer	01	3.90 x 3.20
7.	Security Officer	01	4.50 x 3.20
8.	Conference Room	01	6.00 x 6.68
9.	Store	01	4.50 x 3.25
Common Toilet (Ground Floor)			
10.	Male Toilet	01	11.00 sq. m.
11.	Female Toilet	01	11.00 sq. m.

Facilities available in the Dean's Secretariat

1. Reprographic facilities (photocopiers)
2. Biometric attendance system
3. CCTV and monitoring unit
4. Broad band internet connectivity
5. Landline phone with STD
6. Laser printers (Black & white printers with scanning facility)
7. Colour printer
8. Visitor sofa set (3+2+2)
9. File storage facility (Steel/Wooden Almirahs, Cabinets, and Compactors etc.)
10. Air conditioned Dean’s office attached toilet facility

11. Desktop computers,
12. Laptop computers for seminars and other presentations
13. Projectors and display screens
14. Television
15. Dean's Committee Room along with furniture and projection facilities
16. Visitors' Room with sofa set
17. Strong room for examination and confidential purposes
18. Office for Personal Assistant to Dean along with Desktop computer and printer
19. Accounts section (Assistant Comptroller)
20. Administrative Office (Assistant Registrar)

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

Whether the College is having an internal quality assurance system, with appropriate structure and processes, and with enough flexibility to meet the diverse needs of the stakeholders which is required for planning, guiding and monitoring quality assurance and quality enhancement activities of the Colleges. How effectively monitoring of teaching, research and extension across the departments is being conducted, and mention the impact of monitoring on the outcome of the College with reference to students' excelling in academics, research and extracurricular activities.

Quality teaching is the vital for college. College ensures the steady improvement of teaching quality and meet the basic required standards of sustainable development and improve the abilities, which adapt to the market demands, which will promote rational use of the college educational resources and continuously raise and improve the quality of personnel training and form the system of teaching quality which is an effective and continuous improvement.

Monitoring mechanism has been developed to identify periodically the bottlenecks in implementing the programme and to take the remedial measures to improve the effectiveness of the plan. The college internal quality assessment assurance system includes:

1. Strictly following Academic calendar and is made available to all students and faculty members well before the commencement of the academic session.
2. Following course curriculum as per ICAR V dean's committee recommendation for undergraduate and ICAR BSMA recommendation for postgraduates.

3. Frequent visits of Dean /coordinator in classrooms and laboratories to monitor quality of instructions and methods of delivery.
4. External evaluation system of final theory examination of UG and PG programmes is in place
5. Timely conduction of mid-term and end-term examination and evaluation.
6. 80% presence in individual course is essential to appear in final examination.
7. Periodic academic progress monitoring is in place by the Dean of the college.
8. The college teaching staff participate as resource person/expert in agricultural extension activities of the Directorate of Extension. Agricultural technologies dissemination is being done through extension bulletins, pamphlets, radio and TV talks etc.
9. Close Circuit TV (CCTV) have been fixed at administrative building
10. The ongoing mechanism to monitor the academic activities at college level is working well and paying of fruitful results in the form of selection of students in ICAR-JRF and IIT-GATE, placement of students in public and private sector as well as enrolment for higher studies.

6.5.1.3. CC/Board of Studies

Whether the CC in the Department level and Board of Studies at the College is in place? The composition of the BoS and date of conduct of meetings for last five years and major recommendations made by the BoS should be given in tabular form.

There exists a combination of bottom up and top-to-bottom approach in the administration of the college with the former being the most prevalent. The issues and progressive ideas generated at the department level are brought to the attention of the Dean. Department Heads meetings are held once a month on an average and more times when any programme is on the anvil. There are three coordinators for each area of significance like Teaching, Research and Extension who are assigned the responsibility of planning the annual programme in consultation with the different department teachers, coordinating and assisting the Dean in relevant aspects under each. Each coordinator works in close collaboration with the Dean.

The Faculty has its Board of Studies called Faculty Board. The Faculty Board is constituted of the Dean as Chairman, Heads of Departments, Professors, Associate Professors and Assistant Professors of the subjects taught in the Faculty. The Board of the Faculty has the powers subject to the jurisdictions of the Academic Council mentioned elsewhere, to have jurisdiction in all matters falling within the scope of its programmes, to determine its

curricula, to appoint its own committees and to elect its own Secretary. Number of meeting of Board of faculty organized during the period has been summarized below-

Committee

1.	Dr J P Yadav, Professor, Mechanical Engg. / Dean	Chairman
2.	Dr Harish Chandra Singh, Professor, Extension Education	Member
3.	Dr Devendra Singh, Professor, Chemistry	Member
4.	Dr N K Sharma, Professor, Physics	Member
5.	Dr Devendra Kumar, Assoc Professor, Processing & Agril Structure	Member
6.	Dr T K Maheshwari, Assistant Professor, Farm Power & Machinery	Member
7.	Er P K S Bhadauria, Asstt. Professor, Farm Building & Construction	Member
8.	Er M A Hussain, Assistant Professor, Civil Engg.	Member
9.	Er Dileep Kumar Verma, Asstt.Professor, Comp Science & Engg.	Member
10.	Mr. Satyendra Pal, Director Physical Education	Special Invite
11.	Dr Rajeev Singh, Associate Professor, Business Management	Member Secretary

Proceedings of the Board of studies

Composition of BOFT	Date of meeting	Recommendations
Dr. J.P. Yadav, Professor Dr. Mohd. Gufran, Professor Dr. H.C. Singh, Professor Er. V.K. Verma, Assoc. Professor Dr. D. Singh, Assoc. Professor Dr. N.K. Sharma, Assoc. Professor Dr. Rajeev Singh, Asstt. Professor Er. T.K. Mahewhari, Asstt. Professor Er. P.K.S. Bhadauria, Asstt. Professor Er. D.K. Verma, Asstt. Professor Dr. Shuakin Singh, Asstt. Registrar	05.10.2015	1. Confirmation and approval of proceeding of 23rd meeting of BOFT. 2. Increase the intake capacity of existing branches. 3. Start the new programmes of engineering in civil & electrical at B.Tech. level. 4. Incensement in remuneration of lecture basis guest faculty.
Dr. J.P. Yadav, Professor Dr. H.C. Singh, Professor	25.10.2016	1. Confirmation and approval of proceeding of 24th

Er. Devendra Kumar, Assoc. Professor Er. V.K. Verma, Assoc. Professor Dr. D. Singh, Assoc. Professor Dr. N.K. Sharma, Assoc. Professor Dr. Rajeev Singh, Asstt. Professor Er. T.K. Mahewhari, Asstt. Professor Er. P.K.S. Bhadauria, Asstt. Professor Er. M.A. Hussain, Asstt. Professor Shri Satyendra Pal, Director Edu. Phy. Er. D.K. Verma, Asstt. Professor		meeting of BOFT. 2. Provide the subject wise monthly attendance by concerned Teaching Faculty. 3. Provide practical record/classes in different discipline to Dean. 4. Workload of teaching faculty and their output in accordance. 5. Seriousness of examination duty as invigilator by faculty and concerned head. 6. Action against faculty /staff availing station leave without permission 7. Establishment of Deptt. of Basic Science in the College Campus. 8. Rotational Policy for the post of Dean/Head/In-Charge i.e. three years as in the University. 9. Dean's recommendation and forwarding of application for study leave (Ph.D. Post Doctorate Fellow etc.) as well as for the conferences/seminar for teaching faculty
Dr. H.C. Singh, Professor	30.12.2016	1. Confirmation and approval

Dr. Mohd. Gufran, Professor Er. Devendra Kumar, Assoc. Professor Er. V.K. Verma, Assoc. Professor Dr. D. Singh, Assoc. Professor Dr. N.K. Sharma, Assoc. Professor Dr. Rajeev Singh, Asstt. Professor Er. T.K. Mahewhari, Asstt. Professor Er. P.K.S. Bhadauria, Asstt. Professor Er. M.A. Hussain, Asstt. Professor Shri Satyendra Pal, Director Edu. Phy. Er. D.K. Verma, Asstt. Professor Dr. Shaukin Singh, Asstt. Registrar		of proceeding of 25th meeting of BOFT. 2. Workload of teaching faculty/Staff in accordance of their output 3. Additional requirement of guest faculties 4. Requirement of Computer and other facilities for faculties 5. Rotational Policy for the post of Head/Dean/In-Charge i.e. three years
Dr. H.C. Singh, Professor Dr. Mohd. Gufran, Professor Er. Devendra Kumar, Assoc. Professor Er. V.K. Verma, Assoc. Professor Dr. D. Singh, Assoc. Professor Dr. N.K. Sharma, Assoc. Professor Dr. Rajeev Singh, Asstt. Professor Er. T.K. Mahewhari, Asstt. Professor. Er. P.K.S. Bhadauria, Asstt. Professor Er. M.A. Hussain, Asstt. Professor. Shri Satyendra Pal, Director Edu. Phy. Er. D.K. Verma, Asstt. Professor Dr. Shaukin Singh, Asstt. Registrar	15.04.2017	1. Confirmation and approval of proceeding of 26 th meeting of BOFT. 2. Additional requirement of teachers in mathematics, English and chemistry for self finance branches as well as in the colleges of fisheries science & Dairy Technology. 3. Requirement of equivalent qualification for guest faculties to get good teachers. 4. Additional requirement of guest faculties/contractual teachers in physics & management subject in self finance branches. 5. Requirement of

		teachers/guest faculty is necessary for regular teaching. 6. Role of student advisor & members of advisory committee in project report which should be taken on priority basis for allotment in B. Tech. 7. Budget for refreshment of BOFT and other special guests from the budget of self finance/budget of training & placement cell. 8. Submission of Panel of Examiners and Mild-term marks which should be timely.
Dr. H.C. Singh, Professor Dr. J.P. Yadav, Professor Dr. Mohd. Gufran, Professor Er. Devendra Kumar, Assoc. Professor Er. V.K. Verma, Assoc. Professor Dr. D. Singh, Assoc. Professor Dr. N.K. Sharma, Assoc. Professor Dr. Rajeev Singh, Asstt. Professor Er. P.K.S. Bhadauria, Asstt. Professor Er. M.A. Hussain, Asstt. Professor Shri Satyendra Pal, Director Edu. Phy. Er. D.K. Verma, Asstt. Professor Dr. Shaukin Singh, Asstt. Registrar	31.08.2017	1. Confirmation and approval of proceeding of 27th meeting of BOFT. 2. Before starting the M.Tech. (Agricultural Engg. and Mechanical Engg.) courses determination of specialization of M.Tech. courses is necessary and recruitment of teachers / guest faculties is necessary for regular teaching. 3. Approval of course curriculum for M.Tech. in Agricultural Engg. and

		Mechanical Engg. 4. AKTU syllabus should be adopted for the self finance B.Tech. (ECE/CSE/ME) programmes. 5. Setup of environmental engg. laboratory for B.Tech. Course. 6. Rotation of all sectional head / incharges for Three years only.
Dr. H.C. Singh, Professor Dr. J.P. Yadav, Professor Dr. Mohd. Gufran, Professor Dr. D. Singh, Assoc. Professor Dr. N.K. Sharma, Assoc. Professor Dr. Rajeev Singh, Asstt. Professor Er. P.K.S. Bhadauria, Asstt. Professor Er. M.A. Hussain, Asstt. Professor Er. D.K. Verma, Asstt. Professor. Dr. Shaukin Singh, Asstt. Registrar	30.11.2017	1. Confirmation and approval of proceeding of 28th meeting of BOFT. 2. Additional requirement of faculties in college of fisheries science and college of dairy technology. 3. Additional requirement of guest faculties / contractual teachers in physics, chemistry and management subject in self finance branches. 4. Correction in course code of M.Tech. (Agril Engg and Mech. Engg.).
Dr. J.P. Yadav, Professor Dr. Mohd. Gufran, Professor Dr. H.C. Singh, Professor Er. Devendra Kumar, Assoc. Professor Er. V.K. Verma, Assoc. Professor Dr. D. Singh, Assoc. Professor	02.06.2018	1. Confirmation and approval of proceeding of 29th meeting of BOFT. 2. Replacement of outdated B.Tech. syllabus of EC/CS/ME with advance

Dr. N.K. Sharma, Assoc. Professor. Dr. Rajeev Singh, Asstt. Professor Er. P.K.S. Bhadauria, Asstt. Professor Er. M.A. Hussain, Asstt. Professor Er. D.K. Verma, Asstt. Professor Dr. Shaukin Singh, Asstt. Registrar		syllabus from academic session 2018-19. 3. Requirement of one computer / laptop and printer etc. for the faculties.
Dr. J.P. Yadav, Professor Dr. H.C. Singh, Professor Er. Devendra Kumar, Assoc. Professor Dr. D. Singh, Assoc. Professor Dr. N.K. Sharma, Assoc. Professor Dr. Rajeev Singh, Asstt. Professor Er. P.K.S. Bhadauria, Asstt. Professor Er. M.A. Hussain, Asstt. Professor Er. D.K. Verma, Asstt. Professor Dr. Shaukin Singh, Asstt. Registrar	21.08.2019	1. Confirmation and approval of proceeding of 30th meeting of BOFT. 2. Recruitment of Guest Faculty in SWCE due to retirement of Prof. M. Gufran Permanent Faculty. 3. Branch Change of 1st Year students in B.Tech. (ECE/ CSE/ ME)
Dr. J.P. Yadav, Professor Dr. H.C. Singh, Professor Dr. D. Singh, Professor. Dr. N.K. Sharma, Professor. Er. Devendra Kumar, Assoc. Professor Dr. Rajeev Singh, Assoc. Professor Dr. T.K. Maheshwari, Asstt. Professor Er. P.K.S. Bhadauria, Asstt. Professor Er. M.A. Hussain, Asstt. Professor Er. D.K. Verma, Asstt. Professor.	05.10.2020	1. Confirmation and approval of proceeding of 31th meeting of BOFT. 2. Rotational Policy for the post of Dean/Head/In-Charge i.e. three years as in the University. 3. Inclusion of Co-warden to Associate the Warden. 4. Name of open elective subjects & their teachers should be circulate in the respective semester to the students.

Board of Faculty Meeting

6.5.1.4. Anti Ragging Cell

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. Does the College follow this regulation and subsequent guidelines issued in the matter in letter and spirit? Give details.

Anti Ragging Cell

Anti ragging cell/committee is working under the chairmanship of Dr. J.P. Yadav, Dean CAET and Coordinator College of FS&RC, Etawah. The contact information of the committee members is displayed in the campus for easy excess of fresher's Anti raging message, Govt. guidelines and slogans also depicted at various places of the college and campus premises

(A) Anti-Ragging Cell and Disciplinary Committee

SN	Name & Designation	Position held	Contact No.
1.	Dr. J.P. Yadav, Dean /Coordinator	Chairman	9411241616
2.	Dr. H.C. SIngh, Professor	Member	9412520177
3.	Dr. N.K. Sharma, Assoc. Professor	Member	9411869189
4.	Dr. Devendra Kumar, Assoc. Professor	Member	9411613271

5.	Er. M.A. Hussain, Asstt. Professor	Member	9412653786
6.	Er. D.K. Verma, Asstt. Professor	Member	9452813833
7.	Er. S.C Yadav, Asstt. Works Supttd.	Member	9412408696
8.	Dr. Devendra Singh, Assoc. Prof.	Member/Secretary	7579564388

B.Anti-Ragging Squad

SN	Name & Designation	Position held	Contact No.
1.	Dr. H.C. Singh, Professor	Member	9412520177
2.	Dr. N.K. Sharma, Assoc. Professor	Member	9411869189
3.	Dr. Devendra Kumar, Assoc. Professor	Member	9411613271
4.	Er. M.A. Hussain, Asstt. Professor	Member	9412653786
5.	Er. DK Verma, Asstt. Professor	Member	9452813833

6.5.1.5. Biological waste disposal facility

Whether wastes (chemical, biological, radioactive, universal, and recyclable) are generated by a variety of research, clinical, service, maintenance, and cleaning operations at the College level? If yes, then mention the disposal mechanism being adopted as per the government guidelines.

Biological waste disposal facility

Biological and radioactive wastes are not generated in the college campus. Chemical and recyclable wastes are collected by municipal authorities and may accordingly disposed of by following the norms

6.5.1.6. Institutional Ethics Committee for Experiment on animals:

Whether the institute/College is following CPCSEA guidelines and constituted an Institutional Animal Ethics Committee (IAEC), get their animals house facilities inspected and get their project cleared by CPCSEA and IAEC before commencing them? The College should make statement that it is adhering all guidelines in the matter.

Institutional Ethics Committee does not exist in the college.

6.5.1.7. Committee for Prevention of Sexual harassment of Woman at Work Places

Does the institution is adhering the sexual harassment of women at workplace (Prevention, Prohibition and Redressal Act, 2013) in letter and spirit. Mention the constitution of sexual harassment committees and date of proceedings conducted in last five years in tabular form.

Committee for Prevention of Sexual harassment of Woman at Work Places

As per university Grant Commission Regulation 2015 on "Prevention prohibition and Redressal of Sexual harassment of women employee and students". The committee for prevention of sexual harassment of women at work places is constructed as follows:

Committee for Prevention of Sexual harassment of Woman at Work Places

S.No	Name & Designation	Position held
1.	Dr. Neelma Kunwar, Professor, ECM College of Home Science, CSAUAT, Kanpur	Chairman
2.	Dr. (Mrs.) Mithilesh Verma, Assoc. Professor, College of Home Science	Member
3.	Dr. Asha Yadav, Officer In-charge, ATIC, Kanpur	Member
4.	Dr. Seema Sonkar, Associate Prof. Food& Nutrition	Member
5	Dr. Nalini Tiwari, Asstt. Prof., GPB	Member
4.	Dr. Shweta Yadav, Assistant Professor, GPB	Member/ Secretary

6.5.2 Faculty

The quality of the faculty is vital to promote academic excellence in teaching, research & extension pursuits.

6.5.2.1. Faculty Strength

Mention the Faculty position (both in sanctioned and in-position) at the College.

The faculty at College of Agricultural Engineering & Technology, Etawah

S. N.	Post	No of sanctioned Post	in-position	Vacant	Total	Faculty Recommended by ICAR
1.	Dean	1	-	1	-	1
2.	Professor	4	-	4	-	4
3.	Associate Professor	8	2	6	2	6

4.	Assistant Professor	14	8	6	8	6
6.	Contractual Faculty		10		10	
7.	Guest Faculty		09		09	
Total		**27**	**29**	**17**	**29**	**27**

Note: Some recruitments against the permanent teaching positions have been made by the University, awaiting approval, however to run the classes of Agricultural Engineering, Electronic & Communication Engg., Computer Science & Engg. and Mechanical Engineering 10 Contractual Basis and 09 guest faculty.

6.5.2.2. Faculty Profile (Department wise)

Mention department wise faculty profile in tabular form and mention whether present profile is sufficient to meet the academic requirement of the College.

Faculty Position

S. N.	Name of the Faculty	Designation/ Position
1.	Dr J P Yadav	Professor, Mechanical Engg.
2.	Dr H.C. Singh	Professor, Extension Education
3.	Dr Devendra Singh	Professor , Chemistry
4.	Dr N K Sharma	Professor, Physics
5.	Dr Devendra Kumar	Assoc Professor, Processing & Agril. Structure
6.	Dr Rajeev Singh	Associate Professor, Business Management
7.	Dr T K Maheshwari	Asstt Professor Farm Machinery & Power
8.	Er P K S Bhadauria	Assistant Professor, Farm Building & Construction
9.	Er M A Hussain	Assistant Professor Civil Engg.
10.	Er Dileep Kumar Verma	Assistant Professor, Computer Science & Engg.

Profile of Teaching Associate

S.N.	Name of the Faculty	Designation / Position
1.	Er. Hemant Kr. Varshney	Asstt. Prof. / Teaching Assoc. Electronics & Communication Engg.
2.	Er. Piyush Kumar	Asstt. Prof. / Teaching Assoc. Electronics & Communication Engg.
3.	Er. Ankit Verma	Asstt. Prof. / Teaching Assoc. Electronics & Communication Engg.

4.	Er. Neha Kumari	Asstt. Prof. / Teaching Assoc. Computer Science & Engg.
5.	Er. Dharmraj Yadav	Asstt. Prof. / Teaching Assoc. Computer Science & Engg.
6.	Er. Manish Kumar Yadav	Asstt. Prof. / Teaching Assoc. Mechanical Engg.
7.	Er. Mohit Yadav	Asstt. Prof. / Teaching Assoc. Mechanical Engg.
8.	Er. Sukriti Sachan	Asstt. Prof. / Teaching Assoc. Mechanical Engg.
9.	Dr. Akhilesh Kr. Singh	Asstt. Prof. / Teaching Assoc. English
10.	Dr. Ashish Kumar	Asstt. Prof. / Teaching Assoc. Mathematics

Profile of Teaching Associate

S.N.	Name of the Faculty	Designation / Position
1.	Dr. Vijay Kumar Singh	Teaching Associate, Soil and water conservation Engg.
2.	Er. Vipin Kumar Verma	Teaching Associate, Processing and Agril. Structure
3.	Er. Shivam Yadav	Teaching Associate, Electrical Engg.
4.	Er. Sanjay Pal	Teaching Associate, Computer Science and Engg.
5.	Er. Neerja Sharma	Teaching Associate, Computer Science and Engg.
6.	Er. Vijay Kant	Teaching Associate, Mechanical Engg.
7.	Er. Devendra Singh	Teaching Associate, Mechanical Engg.
8.	Er. Ashish Kumar	Teaching Associate, Mechanical Engg.
9.	Er. Shivani	Teaching Associate, Mechanical Engg.

6.5.2.3. Credentials of the Faculty

Whether the institution has employed competent faculty members qualified to accomplish the mission and goals of the institution? Give the highest qualification received by each faculty, related work experiences in the field, professional licensure and certifications, honors and awards, continuous documented excellence in teaching, or other demonstrated competencies and achievements that contribute to effective teaching and student learning outcomes.

S.N.	Name and Designation	Award / honour/ recognition	Specialization	Name of society / agency / institute given the award
1.	Dr J P Yadav	• CV Paul Vishisht Krishi Viaganik Purushkar-2015	Mechanical Engineering	UPAAS, Lucknow
		• Distinguished Scientist award-2015		Venus Intn Foundation, Chennai
		• Eminent Scientist Award - 2016		SVW Soc. LKW
		• UP Agricultural Scientist Award-2015-16		UPAAS, Lucknow
2.	Dr Harish Chandra Singh	Life Time Achievement Award 2019	Extension Education	Pathfinder research and training foundation, Greater Noida (UP)
3.	Dr Devendra Kumar	Fellow Award 2019	Post harvest technology and Food Engineering	Society of world envn. food &Tech, NDL
4.	Er P.K.S. Bhadauria	Shiksha Ratna Purushkar-2015	Farm Building and construction	India Intnl Friendship Soc. NDL

Research papers/ Awards / Seminar Symposia

Research papers published by faculty members

Dr. J.P. Yadav, Professor (Mechanical Engg.)

Year	Department	Title	Author(s)	Name of the journal	Year of publication	Vol. & Page No.
2017-18	**Mechanical Engg.**	Numerical and Experimental Investigation of Hydrogen enrichment effect on the combustion characteristics of biogas	Yadav. V.K., Yadav. J.P. and Rajan Prabhat	International Journal of Renewable Energy Research	**2018**	8 (3)
2019-20	**Mechanical Engg.**	Effect of porosity and loading height on the performance of house hold LPG gas stove	Yadav, J.P., Tevatiya, Shubham, Yadav, Vinod and Sharma, Shubham	Journal of Process Mechanical Engg	**2020**	-

Dr. H.C. Singh, Professor (Extension Education)

Year	Deptt.	Title	Author(s)	Name of the journal	Year of publication	Vol. & Page No.
2015-16	Extension Education	Role of Public and Private on-line communication service providers for transfer of agricultural technology in Western Uttar Pradesh	Prasad, H.N., Singh, H.C. and Singh, R.B.	International Journal of Progressive Research	2016	Vol. 11 (2): 216-218
		Study of availability, utilization pattern and constraints perceived by the on-line communication users	Prasad, H.N., Singh, H.C. and Singh, R.B., Sonkar, S.P., Singh, B.P. and Varma, D.K.	International Journal of Progressive Research	2016	Vol. 8 (51): pp. 2232-2235
2016-17		Impact of on-line communication services on knowledge and adoption level of the farmers in Major Crops	Prasad, H.N., Singh, H.C. and Kumar, S., Sonkar, S.P., and Dohrey, R.K.	International Journal of Progressive Research	2017	Vol. 8 (51): pp. 2236-2241
		Study the socio-economic status of the farmers related to on-line communication services.	Prasad H.N., Singh, H.C.; Singh R.B. and Kishor, R. (2017)	Journal of Progressive Agriculture	2017	Vol. 8(2):138-142
		Study the training programme running in KVKs for farm women beneficiaries.	Prasad H.N., Singh, H.C.; Singh R.B. and Kumar, S.	Progressive Research-An International Journal	-do-	Vol. 12(Special-III): 2168-2170
2017-18		Knowledge of farmers on chikpea production technology in central plain zone of Uttar Pradesh	Rajbhar, A.K., Singh, H.C., Kumar, M. and Maurya K.	Journal of Pharmacognosy and Phystochemistry	2018	7 (4): 1889-1892
		Adoption of chikpea production technology among farmers in central plainzone of Uttar Pradesh	Rajbhar, A.K., Singh, H.C., Jha, K.K., Kumar,	Journal of Pharmacognosy and Phystochemi	2018	7 (4): 2250-2254

			M. and Maurya K.	stry		
2019-20		Constraints analysis of rice cultivators trained by KVKs in central plain zone of Uttar Pradesh:	Kumar, Sunil, Singh, H.C. Rajbhar A.K., Pal Ram Vinay and Singh. R.	Journal of Pharmacognosy and photochemistry	2020	09 (2):30-32
		Study on constraints faced by the sugarcane growers in western UP (India)	Kumar Mohit, Singh, H.C. and Rajbhar Arun, K.	Plant Archives	2020	20 (1): 1885-1888
		Suggestions given by the sugarcane growers of western UP	Kumar Mohit, Singh, H.C.	International Journal of Chemical studies	2020	8(4): 272-274
		Analysis of knowledge and adoption of rice cultivators trained by KVKs in central plain zone of Uttar Pradesh, India	Kumar, Sunil, Singh, H.C. Rajbhar A.K., and Singh. R. & Pal, Ram Vinay	International Journal of Current microbiology and applied sciences	2020	9 (5):1076-1081
		Constraints face by the Gram Panchayat Members and performing their rolls in agricultural development and solution perceived by them to over come the constraints in Uttar Pradesh	Pal, Ramvinay, Singh, H.C. Rajbhar A.K., and Singh Ramratan & Gupta Jyoti	International Journal of Current microbiology and applied sciences	2020	2319-7706 Vol.9 (10) : 2667-2671
		Level of awareness of Gram Panchayat members about Agricultural Development Programmes in Uttar Pradesh	Pal, Ramvinay, Singh, H.C. Singh, S.S. and Kumar Sunil	International Journal of Current microbiology and applied sciences	2020	2319-7706 Vol.9 (10): 2672-2675

Dr. Devendra Kumar, Assoc. Professor (Pos Harvest Process & Food Engg.)

Year	Department	Title	Author(s)	Name of the journal	Year of publication	Vol. & Page No.
2017-18	Post harvest Process and Food Engg.	Study on qualitative attributes of RTS beverage of mixed fruit using bael and orange under different storage conditions.	Kumar, Devendra, Shukla, R.N. and Kumar, Sanjeev	Food Science Research Journal	2018	9(I): 79-84
		Evaluation of quality attributes of Papaya Leather	Kumar, Devendra and Shukla, R.N.	International Journal of Agril Engg.,	2018	11 (I):84-89
		Studies on colour kinetics and textural characteristics of sugar and jaggery based papaya leather	Kumar, Devendra and Shukla, R.N.	Food Science Research Journal	2018	9(2):428-434
2018-19		Study of physico chemical characteristics of cauliflower slices at different pretreatment and drying condition	Verma, Vipin , Kumar and Kumar, Devendra	International Journal of Agricultural Engineering	2019	12(2):243-252
		Study of qualitative attributes of mixed juice using carrot, spinach and beetroot	Singh, Rupendra & Kumar Devendra	Food Science Research Journal	2019	10(2):176-180
		Development and quality evaluation of carrot and orange blend juice	Kumar, Jeetendra and Kumar Devendra	International Journal of Processing & Post Harvest Technology,	2019	10 (2):28-34

Dr. T.K, Asstt. Professor (Farm Machinery & Power)

Year	Department	Title	Author(s)	Name of the journal	Year of publication	Vol. & Page No.
2018-19	**Farm Machinery & Power**	Assessment of agricultural of agricultural mechanization parameters in Bundelkhand Zone of Uttar Pradesh. India	Maheshwari,T.K. and Tripathi Ashok	International Journal of current microbiology and applied sciences	**2019**	8(9)
		Determination of Agricultural Mechanization parameters for Western region of Uttar Pradesh, India	Maheshwari,T.K. and Tripathi Ashok	International Journal of current microbiology and applied sciences	**2019**	8(9)
		Comparison of agricultural mechanization parameters between Bundelkhand and Eastern region of Uttar Pradesh India	Maheshwari,T.K. and Tripathi Ashok	International Journal of Agricultural Engineering	**2019**	12(2):191-198
		Comparison of agricultural mechanization indicators between Western & Eastern region of Uttar Pradesh India	Maheshwari,T.K. and Tripathi Ashok	International Journal of Agricultural Engineering	**2019**	12(2):191-198
		Evaluation of agriculture mechanization indicators for Eastern region of Uttar Pradesh India	Maheshwari,T.K. and Tripathi Ashok	International Journal of current microbiology and applied sciences	**2019**	8(9)

National Seminar/ Conference/ Symposia / Workshop attended

Year	Name & Designation	Discipline	Date	Venue	Name of the conference
2015-16	Dr. J.P. Yadav, Professor	Mechanical Engg.	19.12.2015	Chennai	Research Meet of Technologist, Scientist and Research to Products contineum in technoforum
2015-16			13.02.2016 to 14.02.2016	Dr. B.R.A. CAET, Etawah	National Seminar on Biodiversity and Renewable energy (BARE 2016)
2015-16			02.03.2016 to 04.03.2016	CSAU&T Kanpur	4th Uttar Pradesh Agril. Science Conference 2016 on strategic governance and Technological advancement for sustainable agriculture
2015-16	Dr. H.C. Singh, Professor	Extension Education	13.02.2016 to 14.02.2016	Dr. B.R.A. CAET, Etawah	National Seminar on Biodiversity and Renewable energy (BARE 2016)
2015-16			02.03.2016 to 04.03.2016	CSAU&T Kanpur	4th Uttar Pradesh Agril. Science Conference 2016 on strategic governance and Technological advancement for sustainable agriculture
2016-17			Dec. 12-13, 2017	CSAUA&T, Kanpur	National Conference on organic farming for sustainable Agriculture and livelihood security under changing climatic conditions
			18-19 January, 2017	Janta College Bakewar	Conference on Intellectual Property Right: A Boon for Sustainable Production
			18-19 March 2017	Janta College Bakewar	National Seminar on Recent trends and future prospects in sustainable Agric. with Reference to climate change
			24-25 March 2017	CSAUA&T, Kanpur	National Conference on Farmers' Centric Agri-innovation for sustainable development
2017-18			14-17 Feb. 2018	CSAUA&T, Kanpur	International Conference on Sustainability of smallholder Agriculture in developing Countries under changing climatic scenario
2018-19			26 Aug. to 09 Sept. 2019	Govt. fruit preservation centre Etawah	Training on Processing and Preservation of Fruits and vegetables
			28-29 Nov. 2019	CSAUA&T, Kanpur	Sensitization workshop on "NAHEP Component-2 activities and implementation of academics management system (AMS)
			22-25 Feb	St. Johns	National conference on "Recent trends in

			2020	College Agra	new frontiers in bio-technology, Agriculture, Science and Environment
2015-16	Dr. Devendra Singh, Professor,	Chemistry	Govt. Fruits preservation and Training Centre Etawah	07.08.2016 to 21.08.16	Fifteen Days training on Fruits and Vegetables processing and preservation
2015-16			Dr. B.R.A. CAET, Etawah	13.02.2016 to 14.02.2016	National Seminar on Biodiversity and Renewable energy (BARE 2016)
2017-18			CSAUA&T, Kanpur	14-17 Feb. 2018	International Conference on Sustainability of smallholder Agriculture in developing Countries under changing climatic scenario
			Govt. fruit preservation centre Etawah	06-20 Aug. 2018	Training on Processing and Preservation of Fruits and vegetables
			University of Rajasthan, Jaipur	21-22 Dec. 2018	International Conference on frontiers at the chemistry-Allied sciences interface
2018-19			Govt. fruit preservation centre Etawah	26 Aug. to 09 Sept. 2019	Training on Processing and Preservation of Fruits and vegetables
2015-16	Dr. N.K. Sharma Professor	Physics	Dr. B.R.A. CAET, Etawah	13.02.2016 to 14.02.2016	National Seminar on Biodiversity and Renewable energy (BARE 2016)
			CSAU&T Kanpur	02.03.2016 to 04.03.2016	4th Uttar Pradesh Agril. Science Conference 2016 on strategic governance and Technological advancement for sustainable agriculture
2017-18			CSAUA&T, Kanpur	14-17 Feb. 2018	International Conference on Sustainability of smallholder Agriculture in developing Countries under changing climatic scenario
			Govt. fruit preservation centre Etawah	26 Aug. to 09 Sept. 2019	Training on Processing and Preservation of Fruits and vegetables
2015-16	Dr. Devendra Kumar, Associate Professor	Post Harvest Process & Food Engg.	Govt. Fruits preservation and Training Centre Etawah	07.08.2016 to 21.08.16	Fifteen Days training on Fruits and Vegetables processing and preservation
			Dr. B.R.A. CAET,	13.02.2016 to	National Seminar on Biodiversity and Renewable energy (BARE 2016)

			Etawah	14.02.2016	
2016-17			CSAUA&T, Kanpur	Dec. 12-13, 2017	National Conference on organic farming for suustainable Agriculture and livelihood security under changing climatic conditions
			CSAUA&T, Kanpur	24-25 March 2017	National Conference on Farmers' Centric Agri-innovation for sustainable development
			SHAUTS, Allahabad	29 March 2017	International Workshop on "Sustainable agricultural mechanization: Prospects and Challenges for India Agriculture"
2017-18			CSAUA&T, Kanpur	14-17 Feb. 2018	International Conference on Sustainability of smallholder Agriculture in developing Countries under changing climatic scenario
			Govt. fruit preservation centre Etawah	06-20 Aug. 2018	Training on Processing and Preservation of Fruits and vegetables
2018-19			Govt. fruit preservation centre Etawah	26 Aug. to 09 Sept. 2019	Training on Processing and Preservation of Fruits and vegetables
			CSAUA&T, Kanpur	28-29 Nov. 2019	Sensitization workshop on "NAHEP Component-2 activities and implementation of academics management system (AMS)
2019-20			International Buddhist Research Institute Lucknow	7-8 Feb. 2020	2nd National Conference on " Technological and emerging aspects in agricultural and community science
			St. Johns College Agra	22-25 Feb 2020	National conference on "Recent trends in new frontiers in bio-technology, Agriculture, Science and Environment
2015-16	Dr. Rajeev Singh, Associate Professor	Agri-business Management	Dr. B.R.A. CAET, Etawah	13.02.2016 to 14.02.2016	National Seminar on Biodiversity and Renewable energy (BARE 2016)
			CSAU&T Kanpur	02.03.2016 to 04.03.2016	4th Uttar Pradesh Agril. Science Conference 2016 on strategic governance and Technological advancement for sustainable agriculture
2016-17			CSAUA&T, Kanpur	Dec. 12-13, 2017	National Conference on organic farming for suustainable Agriculture and livelihood security under changing climatic conditions
			Dr BRA	24.03.2017	National Seminar on "Professional

			University Lucknow		Development of Teachers"
			25-26 March 2017	Dr BRA University Lucknow	National Seminar on "Role of social media in society transformation, issues and challenges"
			28-29 Nov. 2019	CSAUA&T, Kanpur	Sensitization workshop on "NAHEP Component-2 activities and implementation of academics management system (AMS)
2015-16	Er. T.K. Maheshwari, Asstt. Prof.	Farm Machinery and Farm	Govt. Fruits preservation and Training Centre Etawah	07.08.2016 to 21.08.16	Fifteen Days training on Fruits and Vegetables processing and preservation
			Dr. B.R.A. CAET, Etawah	13.02.2016 to 14.02.2016	National Seminar on Biodiversity and Renewable energy (BARE 2016)
2018-19			SHUATS Prayagraj	5-6 Nov. 2019	National Conference on " Recent advances in Agriculture, Food Tech and Human Health
2015-16	Er. P.K.S. Bhadauria Asstt. Prof.	Civil Eng	Govt. Fruits preservation and Training Centre Etawah	07.08.2016 to 21.08.16	Fifteen Days training on Fruits and Vegetables processing and preservation
			Dr. B.R.A. CAET, Etawah	13.02.2016 to 14.02.2016	National Seminar on Biodiversity and Renewable energy (BARE 2016)
			HBTU, Kanpur	24-26 March 2017	International Conference on " Modeling of environmental and water resources systems"
2015-16	Er. M.A. Hussain Assistt. Professor	Civil Eng	CSAUA&T, Kanpur	Dec. 12-13, 2017	National Conference on organic farming for sustainable Agriculture and livelihood security under changing climatic conditions
			Dr BRA University Lucknow	24.03.2017	National Seminar on "Professional Development of Teachers"
			Dr BRA University Lucknow	24.03.2017	National Seminar on "Role of social media in society transformation, issues and challenges"
			CSAUA&T, Kanpur	14-17 Feb. 2018	International Conference on Sustainability of smallholder Agriculture in developing Countries under changing climatic scenario

			CSAUA&T , Kanpur	28-29 Nov. 2019	Sensitization workshop on "NAHEP Component-2 activities and implementation of academics management system (AMS)
2015-16	Er. Dileep Verma Asstt. Prof.	C S	Dr. B.R.A. CAET, Etawah	13.02.2016 to 14.02.2016	National Seminar on Biodiversity and Renewable energy (BARE 2016)
			Govt. fruit preservation centre Etawah	26 Aug. to 09 Sept. 2019	Training on Processing and Preservation of Fruits and vegetables

6.5.2.4. Technical and Supporting Staff

Whether the College has appointed (in place) sufficient technical/laboratory/farm staff to cater the need of practical and field experiments. Mention department wise distribution of technical, supporting and field staff in the tabular form.

Non-Teaching Staff Position (under Non Plan)

S.N.	Designation	Posts sanctioned	Filled	Vacant
1.	Deputy Registrar	1	-	1
2.	Deputy Comptroller	1	-	1
3.	Security Officer	1	-	1
4.	Security Inspector	1	-	1
5.	Physical Education Suptd	1	1	0
6.	Account Officer	1	-	1
7.	Librarian	1	-	1
8.	Asstt Registrar	1	1	0
Total		**8**	**2**	**6**

Table :5 (b) Technical Staff Position (under Non Plan)

S.N.	Designation	Posts sanctioned	Filled	Vacant
1.	Asstt. Workshop Superintendent	1	1	-
2.	Farm Superintendent	1	1	-
3.	Lab Technecian Grade I	6	4	2
4.	Junior Engineer (Civil)	1	1	-
5.	Junior Engineer (Elect)	1	-	1
6.	Automobile Mechanic	2	2	-
7.	Lab Technecian Grade II	10	2	8
8.	Tractor Operator	2	1+1*	*against the post

9.	Electrician	1	1	-
10.	Driver	2	2	-
11.	Tube well Operator	2	1	1
12.	Cyclostyleman	2	2	-
13.	Mechanic Helper	2	2	-
14.	Lab Attendant	16	14+1*=15	1
15.	Cleaner for Vehicle	2	2	-
16.	Electric Sub Station Attendant	2	2+2* = 4	* against Meth* 1 Against Lab Attendant
Total		**53**	**37+4*=41**	**12**

Table :5 (c) Supporting Staff Position (under non-plan)

Sl. No.	Designation	Posts sanctioned	Filled	Vacant
1.	Office Secretary/ Office Superintendent (Head Asstt.)	1	-	1
2.	Accountant	1	-	1
3.	Examination Assistant (Senior Assistant)	1	1	-
4.	Stenographer	1	1	-
5.	Cataloger	1	1	-
6.	Admission Assistant (Senior Assistant)	1	1	-
7.	Head Clerk (Head Assistant)	1	-	1
8.	Senior Clerk (Senior Assistant)	1	1	-
9.	Asstt. Accountant	1	1	-
10.	Junior Clerk/typist (Junior Assistant)	4	4	-
11.	Store Keeper (Junior Assistant)	2	2	-
12.	Daftari	2	2	-
13.	Store Attendant	4	4	-
14.	Field Attendant	2	2	-
15.	Meth	1	1	-
16.	Cattleman	1	1	-
17.	Halwaha	1	1	-
18.	Mail Messenger/Peon	5	5	-
19.	Nurse	1	1	1
20.	Compounder	1	1	-
21.	Dresher	1	1	-
22.	Lab Attendant (Medical)	1	1	-
23.	Ward Boy	1	1	-
24.	Mid-wife	1	1*	*Against Anuchar post
25.	Sweeper	4	4*	*Against Anuchar post
Total		**41**	**32+5*=37**	**04**

Table:6. Non Teaching Staff (Filled position of non teaching staff)

S.N.	Name	Designation
1.	Shri Satyendra Pal	Superintendent of Physical Education
2.	Shri Subhash Chandra Yadav	Assistant Workshop Superintendent
3.	Shri Brijesh Kumar Yadav	Farm Superintendent
4.	Shri Shiv Shankar	Lab Technician Grade-I
5.	Shri Brijesh Kumar	Lab Technician Grade-I
6.	Shri Munni Lal	Lab Technician Grade-I
7.	Shri Gyan Prakash	Lab Technician Grade-I
8.	Shri Rajeev Kumar Yadav	Automobile Mechanics
9.	Shri Rajeev Kumar Yadav	Cataloger
10.	Shri Sanjeev Kumar	Junior Engineer Civil
11.	Shri Amit Tiwari	Automobile Mechanics (University attached)
12.	Shri Suresh Prakash	Technical Assistant
13.	Shri Dinesh Kumar	Compounder
14.	Shri Nand Kumar Tiwari	Technical Assistant
15.	Shri Sarvesh Kumar	Technical Assistant
16.	Shri Subodh Yadav	Technical Assistant
17.	Shri Manish Kumar Sahai	Lab Technician Grade-II
18.	Shri Sarvesh Kumar Tripathi	Lab Technician Grade-II
19.	Shri Nawal Kishor Gupta	Dresser
20.	Shri Satish Kumar Nigam	Lab Technician Grade-II
21.	Shri Santosh Kumar Dubey	Senior Assistant (Examination Assistant)
22.	Shri Gyan Singh	Senior Assistant (Admission Assistant)
23.	Shri Surendra Singh	Tractor Operator
24.	Shri Amit Kumar	Junior Assistant (Junior Clerk cum Store Keeper)
25.	Shri Vinod Kumar	Junior Assistant (Junior Clerk cum Store Keeper)
26.	Shri Rajendra Kumar	Assistant Accountant (University attached)
27.	Shri Mahboob Hasan	Senior Assistant (Senior Clerk)
28.	Shri Balgovind	Against of Tractor Operator
29.	Shri Ramesh Babu	Junior Assistant (Junior Clerk cum Typist)
30.	Shri Tej Singh	Junior Assistant (Junior Clerk cum Typist)
31.	Shri Rajesh Babu	Junior Assistant (Junior Clerk cum Typist)
32.	Shri Ayush Tripathi	Junior Assistant (Junior Clerk cum Typist)

33.	Shri Pankaj Kumar	Mail Messenger/Peon
34.	Shri Sushil Kumar Tripathi	Mistri
35.	Shri Munna Lal	Driver
36.	Shri Gopal ji Thakur	Driver
37.	Shri Jagdish Singh	Electrician
38.	Shri Anil Kumar	Medial Attendant
39.	Shri Narendra Singh	Tubwell Operator
40.	Shri Yogendra Pal Singh	Cyclostyleman
41.	Shri Vinay Kumar Agrawal	Cyclostyleman
42.	Shri Manmohan	Daftri
43.	Shri Ram Prakash	Helper Mechanic
44.	Shri Dheer Singh	Cleaner for vehicles
45.	Shri Brijesh Kumar	Field Attendant
46.	Shri Sunil Kumar	Cleaner for vehicles
47.	Shri Vimal Kumar	Field Attendant
48.	Shri Ram Prakash	Electric Sub-Station Attendant
49.	Shri Arvind Kumar-A	Lab Attendant
50.	Shri Vijay Kumar	Mail Messenger/Peon
51.	Shri Asad Ahamed	Lab Attendant
52.	Shri Rajveer Singh	Store Attendant
53.	Shri Rama Kant	Lab Attendant
54.	Shri Chandrashekhar	Store Attendant
55.	Shri Kamlesh Kumar	Store Attendant
56.	Shri Raghuveer Singh	Lab Attendant
57.	Shri Mushtaq Ahamed	Lab Attendant
58.	Shri Mukesh Kumar	Lab Attendant
59.	Shri Shyam Sundra	Electric Sub-Station Attendant
60.	Shri Brijendra Kumar	Lab Attendant
61.	Shri Amarnath	Lab Attendant
62.	Shri Ramnaresh	Stenographer
63.	Shri Ravindra Kumar Singh	Store Attendant
64.	Shri Dinesh Kumar	Mail Messenger/Peon
65.	Shri Rajendra Singh	Lab Attendant
66.	Shri Subedar	Halwaha
67.	Shri Mohammad Manjur	Electric Sub-Station Attendant

68.	Shri Manoj Kumar Katiyar	Electric Sub-Station Attendant
69.	Shri Rajpal Singh	Ward Boy
70.	Shri Netra Pal Singh	Lab Attendant
71.	Shri Man Singh	Lab Attendant
72.	Shri Raghuveer	Mail Messenger/Peon
73.	Shri Shiv Kumar	Mail Messenger/Peon
74.	Shri Arvind Kumar B	Lab Attendant
75.	Shri Mohd. Hussain	Lab Attendant
76.	Shri Man Singh	Daftari
77.	Shri Ram Niwas	Cattleman
78.	Shri Dinesh	Anuchar
79.	Shri Ramesh	Anuchar
80.	Shri Ram Naresh	Anuchar
81.	Shri Shivraj Singh	Anuchar
82.	Smt. Layak Shri	Lab Attendant
83	Shri Ram Kishor	Same-pay-same-work

6.5.3. Learning Resources

Learning resources are texts, videos, software, and other ICT enabled materials that teachers use to assist students to meet the expectations for learning defined by ICAR recommended curricula. Information on the following shall be submitted.

Technology-enabled learning (TEL) has the power to transform other teaching and learning in classroom-based, online, and blended education by introducing the digital tools and resources.ss themselves. Technology-Enhanced Learning (TEL) is important for many reasons. It is not only important because it is the standard of education that is expected today, but it can also improve education. Technology-enabled learning aims to focus on increasing access to quality teaching and learning by supporting policy formulation and innovation in the application of ICT in education, and the development of ICT skills.

Technology also motivates students to learn. They look forward to having time on their devices to explore and learn things through websites, videos, apps, and games. Students can learn and have fun at the same time, which helps them stay engaged with the material

The success of online or blended learning delivery is, to a large extent, dependent on the knowledge, expertise, support and leadership available in the transition to this new way of learning. In addition, quality teaching is a long-standing challenge in higher education where faculties are not so qualified to teach. In order to use online and blended learning but maintain or enhance quality teaching, more work to identify, disseminate, and implement best practices is required. A recent Massive Open Online Course (MOOC) was designed and delivered as one step in this direction. Other important technology enabled learning tools invariably followed in the University are Video based learning, Mobile learning, Tablets, Learning Apps and Micro-learning etc.

During the COVID-19 pandemic, almost all the teaching courses were completed through online classes. Not only this even the seminar and examinations were also held through online using these technology enabled tools.

Main benefits of using these technology in the classroom is to improves engagement and knowledge retention, to encourage individual learning and collaboration.

6.5.3.1. College Library (Digital)

Mention the information about location of the library, present staff position (in place) and availability of Wi-Fi, sufficient books and other reading materials, periodicals and research journals, internet with sufficient number of computers, seating capacity, employing the latest technology in library sciences, stocking arrangements, collection of volumes on different subjects, latest publications in the fields of relevant subjects, automation and user services through computer, opening hours, subscription of journals of national and international repute, national dailies, magazines etc.

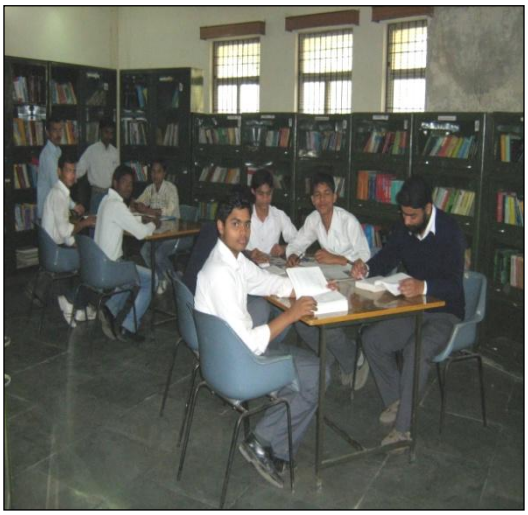
College Library

A two tier library building having a plinth area of 970 sq.m is fully WiFi and well furnished. The library is functional as per the university guidelines. The library management software is also available. The details of library are given as below:

S.N.	Designation	Posts sanctioned	Filled	Vacant
1.	Librarian	1	-	1
2.	Cataloger	1	1	-

The college of Agricultural Engineering and Technology, Etawah was established in 1994-95. There are 6234 titles of books of different disciplines of Agricultural Engg. and allied subjects.

Sl. No.	**Faculty**	**Particular**	**Quantity**
1.	Wi-fi	Number of connections	550
		Number of routers	25
2.	Books	All text in form	6234
3.	Research Journals	National: Indian Journal of Agricultural Sciences, Indian Journal Horticulture, Indian Journal of Mycology and Plant Pathology International: Nill	7
4.	News Paper / National Dailies	English: Times of India, Hindustan Times Hindi: Dainik Jagran, Amar Ujala	4
5.	Periodicals / Magazines	Fertilizer News, Indian Farming, Kheti, Agriculture Today, Krishi Jeevan, Agri Life	6
6.	Seating Capacity	Reading tables along with chairs are provided	80+
7.	Stocking arrangements	The stocking of library is arranged subject wise for easy accessibility	4
8.	Opening hours	The office working hours are as such available for students as well as faculty for accessing library.	9 am to 10 pm



6.5.3.2. Laboratories, Instructional farm, workshop, Dairy Plant, Veterinary Clinic, Hatchery Ponds etc.

To run UG & PG programme in Agril Engg, Electronics & Communication Engg, Computer Science & Engg and Mechanical Engg well equipped laboratories like farm processing, SWC, refrigeration, farm machinery, farm power machinery, basic & Agril. Sciences laboratories along with mechanical workshop having carpentry shop, fitting shop, machine shop, sheet metal shop, welding shop etc. are available however it needs strengthening keeping in view the syllabus of Vth Deans' Committee adoption. There is agril instructional farm of approx 6 acre where farm instructional activities by the students are undertaken. Area of farm building is 2200 sq. m.

List of major equipment in laboratories, farm facilities & workshop

S.N.	Equipments in Post Harvest Technology/ Dairy / Renewable Energy Lab	Equipments in Soil and Water Conservation Engg./ Irrigation and Drainage Engg. Lab.	Equipments in Farm Machinery & Power Lab
1.	Seed grader	Infiltrometer	Pneumatic Planter
2.	IIPR dal mill	Soil thermometer	Straw combine
3.	CIAE dal mill	Digital moisture meter	Paddy Thresher
4.	Hand grinder	Current meter (cup and pigmy type)	Combine Harvester
5.	Vegetable grader	Trickle (drip) irrigation system	Automatic Potato Planter
6.	Rice tube mill	Sprinkler irrigation system	Zero Seed cum ferti drill
7.	Lab scale paddy sheller	Mist irrigation system	Power operated ground nut decorticator
8.	Lab scale rice polisher	Anemometer	Garlic planter
9.	Oil expeller	Self recording rain gage	Axial flow thresher
10.	Potato peeler	Automatic rainfall recorder	Pulverizer roller
11.	Potato slicer	Sunshine recorder	rotavator
12.	Soybean flaking machine	Stage recorder (Automatic)	Specific fuel consumption measurement setup
13.	Multipurpose grain mill	-	Paddy transplanter

14.	Grain flour separator	-	Power tillers and tractors
15.	Cotton ginning machine	-	Cut model of tractor
16.	Pulper	-	Oxilog
17.	Juice extracting machine	-	Stationary engine 10hp, 5 hp
18.	Refractrometer	-	Self propelled combined
19.	Incubator	-	Post Hole digger
20.	Hot air oven	-	-
21.	Cream separator	-	-
22.	Butter churner	-	-
23.	Solar water heater	-	-
24.	Solar cooker	-	-
25.	Solar lantern	-	-
26.	Solar light	-	-
27.	Ergometer	-	-
28.	Strength measuring setup	-	-
29.	Pulse heart rate monitor	-	-
30.	Hygrometer	-	-
31.	Nova tech load cell	-	-
32.	Textural analyzer	-	-

6.5.3.3 Students READY/ IN-plant training/ Internship / experiential learning programmes.

Clearly mention about the implementation of Student READY/ In-plant training/ Internship/ Experiential Learning programmes and learning outcomes as per the guidelines of ICAR. +shall be mentioned for each ELP unit sanctioned by the ICAR for the college.

The in plant training & experiential learning programme of 10 weeks duration of each in the semester are provisioned subject to grant made available by ICAR for E.L.P. For in-plant training, the expenses are born by the students under the supervision of Head / In-charge training & placement.

In plant training/ Agro-Industrial Attachment

To enrich the practical knowledge of the students, in-plant training is important part of the ELP. In this training, students had study a problem in industrial perspective and submitted the reports to the university. Such in-plant trainings were providing an industrial exposure to the students as well as to develop their career in the high tech industrial requirements.

During In plant training/Agro-Industrial attachment students engaged in several activities like,

- Familiarize with the Industrial environment.

- They learned about different mechanism of industrial working system.
- They understand the scope, functions and job responsibility-ties in various departments of an organization.
- They get an idea or aspects of entrepreneurship during the program period.
- They attached with Farm machinery & power, Post harvest and process, Micro irrigation, etc. industries to get first-hand information about different machineries, equipment, implement etc. and their production system to establish their own venture regarding Agricultural Engineering.
- However Profit sharing mechanism (amount) has not been devised by the college so for.

6.5.3.4 Curricula Delivery Through IT (smart class rooms/ interactive board etc.)

Whether the College is using smart class rooms/interactive board etc. for teaching and practical's. Number of class rooms upgraded as smart class rooms should be mentioned.

ICT Application in Curricula Delivery

There is only one smart class room available which is used for teaching purposes, however more number of smart class rooms/ interactive boards are required to impart the knowledge to students in a interactive mode and can be used in dissemination of information, knowledge during online teaching. The floor area of smart class room is 71 sq. m.. The capacity of smart class room is 60 students. Smart class room has e-podium, over-head projector with auto sliding screen. The class room has start by supply of electricity as portable Honda-generator.

Access and computing facility has also been developed in the Colleges, Library and Administrative Building to impart qualitative teaching, learning and extension education activities of the college.

6.5.4. Student Development

Student Development at the College directs its educational efforts at fostering the intellect and character of students by integrating in-class and co-curricular experiences. To accomplish this, the College provides a wide range of educational experiences through programs and activities that complement and support the academic experience in the classroom.

6.5.4.1. Students intake and attritions

The information about student intake and attrition, for the College as a whole but separated in UG, PG and PhD categories shall be provided in tabular form for last five years.

Student's intake and attritions in the programme for last five years

Name of the Degree Programme	Actual student admitted in last five years					Attrition (%)				
	2015-16	2016-17	2017-18	2018-19	2019-20	2015-16	2016-17	2017-18	2018-19	2019-20
B.Tech. Agril. Engg.	38	29	33	37	35	10.53	0.00	0.00	16.22	0.00
M.Tech. Agril. Engg.	--	--	3	1	3	--	--	0.00	0.00	0.00

6.5.4.2. Average Number of Students in Theory and Practical Classes

Mention the Degree Programmewise number of students sitting in a class for theory and practical, separately in tabular form. Complete list of academic programmes (UG and discipline wise masters and Ph.D), for which accreditation is sought, need to be provided. The list should provide only programmes in which students are already passed out.

Average Number of Students in Theory and Practical Classes

Sl. No.	Name of the Degree programme	Batch of students in theory class	Batch of students in practical class
UG			
1.	B. Tech. Agricultural Engineering	1	20 (A Batch) + 20 (B batch)
2.	M. Tech. Agricultural Engineering	1	1 Batch

6.5.4.3. Admission Process

Clearly give complete mechanism of admission for UG, PG and PhD programmes, fee payment mechanism, registration procedure, academic schedule publication at the start of the semester etc. Write information in one page only.

UG Admission

Students are admitted to the under graduate programs through UPCATET (Uttar Pradesh Combined Agriculture and Technology Entrance Test) conducted by Agriculture Universities of Uttar Pradesh rotationally. Seats are allotted according to the merit of the students in UPCATET and their choice at the time of counseling adopting the reservation policy for SC/ST, OBC, UR and EWS i.e. 21%, 02%, 27%, 40% and 10% respectively. Further, horizontal reservations for freedom fighters, physically challenge, defense personal and university employees are provisioned i.e. 02%, 05%, 01% and 10%, respectively.

Provisions are there for admitting 15% students in Agricultural Engineering through ICAR Quota but due to non accreditation of the program ICAR quota is remaining vacant. The eligibility to crack UPCATET for UG program is candidate should be domicile of Uttar Pradesh for last 05 years or their parents should be Indian National that to belonging to Uttar Pradesh or Central Government employee (Civil or military service) / Insurance and Bankers / public sector employees and others etc. as per G.O. with conditions, serving in Uttar Pradesh are also eligible, likewise NRIs as per norms. The admissible minimum age for UG program is 17 years but age relaxation for SC/ST/OBC or physically challenges candidates are as per state government guidelines/GOs.

Particular of examination	For under graduate admission
Qualifying Examination	(10+2) Agriculture/ Physics, Chemistry, Mathematics (PCM), Physics, Chemistry, Mathematics, Biology (PCMB)
Entrance Examination	UPCATET for UG programmes

Post graduate (PG admission)

Students are admitted to the post graduate programs through UPCATET (Uttar Pradesh Combined Agriculture and Technology Entrance Test) conducted by Agriculture Universities of Uttar Pradesh rotationally. Seats are allotted according to the merit of the students in UPCATET and their choice at the time of counseling adopting the reservation policy for SC/ST, OBC, UR and EWS i.e. 21%, 02%, 27%, 40% and 10% respectively. Further, horizontal reservations for freedom fighters, physically challenge, defense personal and university employees are provisioned i.e. 02%, 05%, 01% and 10%, respectively.

The eligibility to crack UPCATET for PG program is candidate should be domicile of Uttar Pradesh for last 05 years or their parents should be Indian National that to belonging to Uttar Pradesh or Central Government employee (Civil or military service) / Insurance and Bankers / public sector employees and others etc. as per G.O. with conditions, serving in Uttar Pradesh are also eligible, likewise NRIs as per norms.

Particular of examination	For post graduate admission
Qualifying Examination	B.Tech. (Agril. Engg.)
Entrance Examination	UPCATET for PG programmes

6.5.4.4. Conduct of Practical and hands onTraining

Mention the brief report on how the practical and hand-on-training is being conducted in different courses to meet the student satisfaction. Write information in one page only.

The practical classes of UG students are conducted as per the approved list of practical in the syllabus & on models/machines through study and live experiments. The practical records are maintained according to the protocol and check by the instructors. The hands-on training is conducted based on the modules prepared by the concern departments. Efforts use to be to ensure 16 practical in a particular course.




6.5.4.5. Examination and Evaluation process

The evaluation of students' performance is a central task of College administration. A brief report on examination and evaluation process for UG, PG and PhD be given separately mentioning external/internal components. System of evaluation should clearly be mentioned for UG, PG and PhD.

Undergraduate Examination System

The examination system has combination of 50% internal and 50% external components. The weightage to theory and practical classes to be in the same proportion as theory and practical credits allotted to different courses. Total marks obtained for a course for practical and theory examination added and converted into percentage for working out the grade point. Keeping this in view, the schedule and weightage to different examinations as follows:

Sl. No.	Particulars	Course Credit		
		Theory	Practical	Total
1.	Mid-term exam	30		30
2.	End Term Examination	50	20	70
3.	Maximum Marks	80	20	100

Question pattern

For theory examination (final examinations), the question paper consists of 40% objective and 60% descriptive (long answer type) questions.

Question Setting

(i) The internal examiner, for the mid-term theory examination, submits two sets of questions covering 50% of the syllabus of the course to the Dean through the Head of the Department.

(ii) The external question paper setter submits two independent sets of question papers for the end term theory examination covering the full course as per the syllabus.

Grade Point

Ten point grading system being adopted with minimum Grade Point Average (GPA) of 5.00 for passing a subject and overall Grade Point Average (OGPA) of 6.00 for obtaining a degree.

Marks secured by students in a course in theory and practical are multiplied by number of theory credit(s) and practical credit(s) of the course respectively and added together. This sum then is divided by the total credits (Theory + Practical) of the said course to get percentage of marks, which is divided by 10 to obtain Grade Point (GP). The mid-term theory, end term theory and practical examination are fixed by the Dean/ Registrar.

The duration of Examination are as follows:

i. Mid Term theory Examination - 1.00 Hours
ii. End Term theory Examination – 3.00 Hours
iii. End Term Practical Examination - 3.00 hours

Evaluation Process

- The students who have been offered a prescribed number of courses in each semester are evaluated for 100 marks, including 50% internal, 50 % external but in the courses where there is no practical's classes internal marks are evaluated out of 40 marks (mid-term) and assignment of 10 marks, remaining 50% marks are automatically allotted for external examination

- The total marks obtained in each course are converted to grade point on a 10-point scale and the grade point average for all the courses are computed for each semester.
- A student is eligible to obtain his degree if gets a minimum Overall Grade Point Average (OGPA) of 5.5 out of 10.

Post Graduate Examination System

Sl. No.	Particulars	Course Credit		
		Theory	Practical	Total
1.	Mid term exam	30		30
2.	End Term Examination	50	20	70
3.	Maximum Marks	80	20	100

Question pattern

For theory examination (final examinations), the question paper consists of 40% objective and 60% descriptive (long answer type) questions.

Question Setting

(ii) The internal examiner, for the mid-term theory examination, submits two sets of questions covering 50% of the syllabus of the course to the Dean through the Head of the Department.

(ii) The external question paper setter submits two independent sets of question papers for the end term theory examination covering the full course as per the syllabus.

Grade Point

Ten point grading system being adopted with minimum Grade Point Average (GPA) of 5.00 for passing a subject and overall Grade Point Average (OGPA) of 6.5 for obtaining a degree.

Marks secured by students in a course in theory and practical are multiplied by number of theory credit(s) and practical credit(s) of the course respectively and added together. This sum then is divided by the total credits (Theory + Practical) of the said course to get percentage of marks, which is divided by 10 to obtain Grade Point (GP). The mid-term theory, end term theory and practical examination are fixed by the Dean/ Registrar.

The duration of Examination are as follows:

i. Mid Term theory Examination - 1.00 Hours
ii. End Term theory Examination – 3.00 Hours
iii. End Term Practical Examination - 3.00 hours

Evaluation Process

- The students who have been offered a prescribed number of courses in each semester are evaluated for 100 marks, including 50% internal, 50 % external but in the courses where there is no practical's classes internal marks are evaluated out of 40 marks (mid-term) and assignment of 10 marks, remaining 50% marks are automatically allotted for external examination
- The total marks obtained in each course are converted to grade point on a 10-point scale and the grade point average for all the courses are computed for each semester.
- A student is eligible to obtain his degree if gets a minimum Overall Grade Point Average (OGPA) of 6.5 out of 10.

6.5.4.6. NCC/ NSS/ RVC Units

Clearly mention the existence and functioning of these units and how it is benefiting the student development. A brief report should be given (without photographs).

National Service Scheme (NSS)

NSS Coordinator	**(2015-16 to 2018-19)**	**Dr.Devendra Singh**
	(2019-20)	**Dr. Mithilesh Verma**
Porgamme Officer	**(2015-16 to 2019-20)**	**Er. Dilip Kumar**

Unit is active at the college level under the supervision of program officer appointed by the University. The students are actively involved in NSS Program. It is one unit course upto fourth semester of B.Tech (Agril. Engg.) program, however B.Tech. Students of other branches are also encouraged to participate in NSS programs is a noble way of academic expansion. It aims at extending and transfering knowledge, sharing experiences which may ultimately lead to development of a community, society, state and country. Chandra Shekhar Azad University of Agriculture & Technology, Kanpur has introduced NSS as part of the curriculum in all undergraduate degree programs with effect from the academic year 1994-95. Accordingly, the program was initiated in this college also with effect from 1995-1996 by constituting an Advisory Committee headed by Dean as Chairman and Program Officer as the member convener. Every year, students are enrolled for NSS as volunteers. The following activities were carried out during the camp.

- Group discussion on natural resource conservation with special emphasis on water harvesting.
- Group discussion on need of appropriate farm mechanization.
- Awareness regarding renewable source of energy.
- Introduction of processing of produce at village level.
- Group discussion on AIDS awareness.
- General cleaning of the surroundings of school and public places.
- Tree planting program.
- Leveling of undulated play grounds in the school premises.

- Agricultural exhibition to create the awareness about modern agricultural technologies at. Village level.
- Poster competition on AIDS awareness.

NSS volunteers in various undergraduate courses

College	2015-16	2016-17	2017-18	2018-19	2019-20	Total
B.Tech	100	100	100	100	100	500

NSS Special Camps

Name of village	Date	No. of students participated
Saraiya Block barhapura	24.02.2016 - 01.03.2016	50
Saraiya Block barhapura	03.03.2017 - 09.03.2017	50
Saraiya Block barhapura	08.03.2018 – 14.03.2018	50
Saraiya Block barhapura	05.03.2019 – 11.03.2019	50

'साइबर अपराध जागरूकता अभियान' विषय पर वेबिनार

जन एक्सप्रेस संवाददाता

कानपुर नगर। राष्ट्रीय सेवा योजना, उत्तर प्रदेश और कॉलकम के संयुक्त तत्वावधान एवं यूनिसेफ-यूपी के सहयोग से रविवार को 'साइबर अपराध जागरूकता अभियान' (चलो एक साइबर सुरक्षित महिला बनें, मिशन शक्ति -2020 के अंतर्गत) के विषय पर वेबिनार का आयोजन किया। जिसका मुख्य उद्देश्य महिलाओं को साइबर क्षेत्र में सुरक्षित एवं सशक्त बनाना रहा। इस अवसर पर मुख्य वक्ता बाराबंकी पुलिस अधीक्षक आई.पी.एस. डॉ. अरविंद चतुर्वेदी एवं मुख्य अतिथि उत्तर प्रदेश सरकार के उच्च शिक्षा निदेशक डॉ.अमित भारद्वाज के साथ राज्य संपर्क अधिकारी अंशुमालि शर्मा मौजूद रहे। इस अवसर पर डॉ.भारद्वाज ने कहा कि पूरे प्रदेश में बालिकाओं को साइबर अपराधों के प्रति जागरूक किया जाएगा। महिलाओं के प्रति बढ़ते अपराधों में, साइबर क्राइम बहुत ही जगह है। ऐसे में इस वेबिनार के माध्यम से महिलाओं को ऐसा माहौल दिया जाए जहाँ वे अपने आप को सुरक्षित महसूस कर सकें । उन्होंने कहा कि 'मिशन शक्ति' उत्तर प्रदेश सरकार की एक पहल है, जिससे महिलाओं को सशक्त और काबिल बनाया जाए और वह सभी चुनौतीयो का डट कर सामना करे । वेबीनार में सीएसएयू की सभी एनएसएस वॉलिंटियर्स के साथ कार्यक्रम अधिकारी डॉ. रश्मि सिंह, डॉ.आर.के. पाठक, इंजीनियर दिलीप कुमार वर्मा, कार्यक्रम समन्वयक डॉ. अर्चना सिंह ने साइबर क्राइम से बचाव के उपाय समझे।

6.5.4.7. Language Laboratory

It is required of any student to have a good command of the language for communication purposes, with clarity and accuracy being vital for effective and efficient communication. What helps one to acquire such proficiency in a language is the process and the method of learning that language. Mention which of these type of Conventional, Lingua Phone, Computer Assisted Language Laboratory and Multimedia Hi-Tech Language Laboratory are being used for language teaching in the college.

There is centralized language laboratory having set of computer equipped with hardware & software to teach the students about the phonetics, grammar, pronunciation. So that students from rural back ground and having had Hindi medium of schooling can be brought at par with CBSE taught students to present their skill & knowledge before any interviewing committee fluently.

6.5.4.8. Cultural Centre

Does the college has cultural center to empower student leaders to explore, celebrate, and educate the campus community about the diversity among them? Does the college offers an inclusive and reflective space, multicultural programming, and support services that encourage positive interaction, academic persistence, and growth among students, faculty, and staff ?

Participation in University cultural activities

Events	No of students participated				
	2015-16	2016-17	2017-18	2018-19	2019-20
The students are provided an opportunity to develop their personality through different cultural activities in the college premises under the leadership of cultural secretary. College has also got a unit of Students' Engineering Society (SES) whose office bearers do conduct time to time cultural activities in the centre in addition to tech-fest, quiz competition, essay writing; etc	**80**	**95**	**85**	**75**	**70**

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?

There is provision in the syllabus itself like general proficiency which covers all aspect like spoken English, grammar, speaking skill etc. In addition to this time to time quiz, debate on emerging topics, drama and cultural activities are also organized to improve the personality of the students.

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.

Personality development has become an indispensable part for academic growth of youth for exploring the best in their future endeavours. Looking in to their future prospects, personality development programmes along with regular academic activity have been conducted to groom them for group discussions, interview skills, mock tests, personal interviews etc.

6.5.5 Physical Facilities

6.5.5.1. Hostels

Clearly mention the number of hostels available for the College students for boys and girls, separately with its total capacity, students per room accommodated in each hostel, mess facility, drinking water, indoor games specially for girls, cleaning of hostel premises, transport facility, emergency medical facility etc.

Girls' Hostel

Name of Hostel	Plinth Area	No. of rooms
Kalpana Chawala Girls Hostel	1481.00 Sqm	40
Rani Laxmi bai Girls hostel	1431.00 Sqm	50
Capt. Laxmi Sehgal Girls Hostel	450.0 Sqm.	20

Boys' Hostels

Name of Hostel	Plinth Area	No. of rooms
Vishwesaraiya Boyes Hostel	2497.00 Sqm	100
C.V. Paul Boys Hostel	4632.00 Sqm	200

The college campus has got seven hostels (3 boys and 4 girls). Vishveshwaraiya, C.V. Paul, Dr. Kurian are Boys' hostels and Kalpna Chawla, Rani Laxmi are Bai, Malti Devi, Capt. Laxmi Sahgal Girls' hostels with each capacity of 100-200 & 40-50 rooms, respectively. All hostels have double stories building. Rooms are single/double seated. Mess facility is available in each hostel and is managed by students. However, respective wardens and chief warden strictly monitor / maintain the hostel disciplines. All the students must adhere and abide by the hostel rules. Boys' and Girls' hostels have got WiFi facilities.

Vishveshwarya Boys Hostel

C.V. Pal Boys Hostel

Dr. Kurian Boys Hostel

Kalpna Chawala Hostel

Rani Laxmi Bay Hostel

Malati Devi Hostel

Captain Laxmi Sahgal Hostel

6.5.5.2. Examination hall

Mention the availability of number of examination halls, its capacity etc. for the College.

As such there is no examination hall; however the some class rooms are used as examination hall.

6.5.5.3. Sports and Recreation Facilities

Clearly mention the number of indoor and outdoor sports facilities available for the College students. A brief note on day to day management and use of these facilities shall be provided in the report.

Sl. No.	Games and Sports	Equipments and infrastructure available
1.	Badminton	Two Badminton courts (one each for Boys and Girls) with side poles and net,rackets and shuttle cocks

2.	Table tennis	T T (one each for Boys and Girls) Tables complete with net, TT bats and balls in Girls and Boys Hostels
3.	Football	Football ground of standard size complete with goals, footballs
4.	Volleyball	2 Volleyball (one each for Boys and Girls) court complete with side poles and net and volleyballs
5.	Cricket	03 kits Ground, Bats, balls, stumps, batting leg guards and keeping leg guards, thigh and elbow guards, keeping gloves, helmets etc.
6.	Athletics	Disc Throw, Jabline throw, Shot-put, High jump, Hurdles (10 Nos)
3.	Gym	(8 station)

Games and sports facilities are available in the college campus. Time to time inter institute competitions are also organized. Gymnasium hall is being used for indoor games. Area of gymnasium is 805.00 sq. m.




6.5.5.4. Auditorium

Does the college has auditorium? Mention its year of construction, sitting capacity and how frequently being used for the College functions.

A big hall of capacity of around 200 persons is available with bare minimum amenities with floor area of 215 sq.m.

6.5.5.5. Exhibition Hall /Museum

Does the college have the Exhibition Hall/Museum? Mention about its use and special events being conducted in these units.

As such there is no any Exhibition hall/museum but the models, machines developed by the students under teachers' supervision is show cased in the concerned lab of the departments.

6.5.6. Research Facilities

6.5.6.1. Postgraduate Laboratories and equipment

Clearly mention the department wise PG laboratories and equipment housed in individual laboratory in the Colleges along with any other research unit.

S.N.	Equipments in Post Harvest Technology/ Dairy / Renewable Energy Lab	Equipments in Soil and Water Conservation Engg./ Irrigation and Drainage Engg. Lab.	Equipments in Farm Machinery & Power Lab
1.	Seed grader	Infiltrometer	Pneumatic Planter
2.	IIPR dal mill	Soil thermometer	Straw combine
3.	CIAE dal mill	Digital moisture meter	Paddy Thresher
4.	Hand grinder	Current meter (cup and pigmy type)	Combine Harvester
5.	Vegetable grader	Trickle (drip) irrigation system	Automatic Potato Planter
6.	Rice tube mill	Sprinkler irrigation system	Zero Seed cum ferti drill

7.	Lab scale paddy sheller	Mist irrigation system	Power operated ground nut decorticator
8.	Lab scale rice polisher	Anemometer	Garlic planter
9.	Oil expeller	Self recording rain gage	Axial flow thresher
10.	Potato peeler	Automatic rainfall recorder	Pulverizer roller
11.	Potato slicer	Sunshine recorder	rotavator
12.	Soybean flaking machine	Stage recorder (Automatic)	Specific fuel consumption measurement setup
13.	Multipurpose grain mill	-	Paddy transplanter
14.	Grain flour separator	-	Power tillers and tractors
15.	Cotton ginning machine	-	Cut model of tractor
16.	Pulper	-	Oxilog
17.	Juice extracting machine	-	Stationary engine 10hp, 5 hp
18.	Refractrometer	-	Self propelled combined
19.	Incubator	-	Post Hole digger
20.	Hot air oven	-	-
21.	Cream separator	-	-
22.	Butter churner	-	-
23.	Solar water heater	-	-
24.	Solar cooker	-	-
25.	Solar lantern	-	-
26.	Solar light	-	-
27.	Ergometer	-	-
28.	Strength measuring setup	-	-
29.	Pulse heart rate monitor	-	-
30.	Hygrometer	-	-
31.	Nova tech load cell	-	-
32.	Textural analyzer	-	-

PG. laboratories & equipments for Agril. Engineering are available but needs to be strengthened. List of equipments are given in 6.4.4.

6.5.6.2. Research Contingency

A note on amount of research contingency for each department shall be provided. Whether it meets the students' demand?

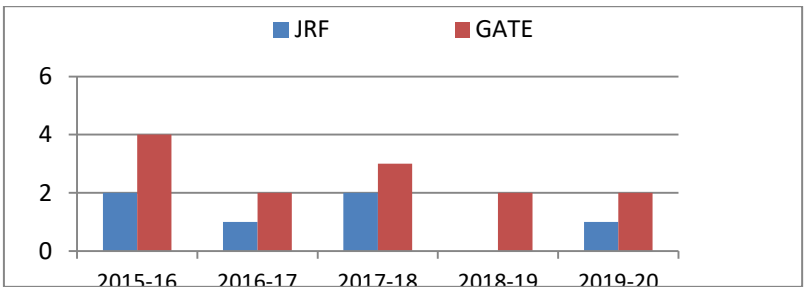
The contingency requirement is made through students fee realized at time of registration though some contingency amount is released by the government but that is not sufficient.

6.5.7. Outcome/output

6.5.7.1 Student performance in National Examination

Provide detailed information in tabular form about student performance in JRF/SRF/NET/ARS/and other national examinations for last five years. Only those students receiving fellowships should be mentioned here.

Examination	2015-16	2016-17	2017-18	2018-19	2019-20
JRF	2	1	2	0	1
GATE	4	2	3	2	2



6.5.7.2. Students placement profile

Provide detailed information in tabular form about student performance in ARS/and other national examinations/State level examinations or equivalent. Year wise placement profile shall be provided.

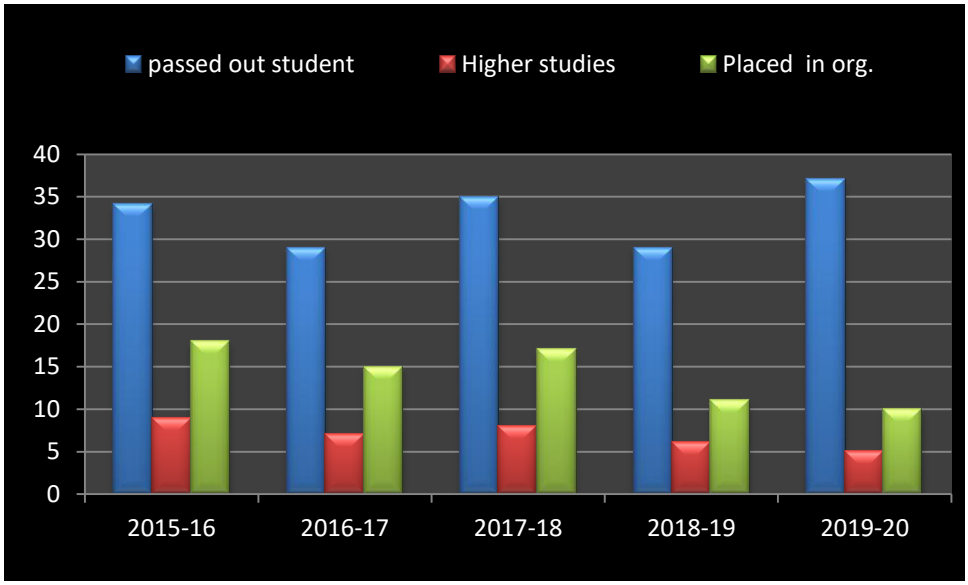
Details of the first and second batch student's engagement after completing UG degree

- The students are provided full details about the job opportunities, higher educational facilities and different competitive examinations for Engg. graduates in an orientation program.
- Request by various private companies for recruitment of Engg. graduates are given wider publicity among students community & especially for final B.Tech (Agril. Engg..) students.
- B. Tech final year students are advised to get registered for their placement under Directorate of training and placement at the University level through training and placement cell at the college level.
- Many times, on campus interviews are arranged for direct selection of graduates to different companies.

Examination	2015-16	2016-17	2017-18	2018-19	2019-20
passed out student	34	29	35	29	37
Higher studies	9	7	8	6	5
Placed in org.	18	15	17	11	10

Organization where students placed:

Damodar Valley Corporation, Bank, Parle-G, Jain Irrigation, Plasto Irrigation, Roongta Irrigation, R.S. Products, PCS, Postal Services, Tractor Industries, Process Industries, Teaching Institutions and other Private Sector/Govt. Organization, Pradan, Kishan Call Centre, Sonalika Pvt, Johndeer PVT, TAFE Pvt.



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.

A. Faculty Award

S.N.	Awards / Recognitions/Certificates	Name of Faculty
1.	Dr. Cyril V. Paul Vishishth Agriculture Scientist Award (2015)	Dr. J.P. Yadav, Professor
2	UP Agriculture Science Award (2016)	-do-
3.	Eminent Agricultural Scientist Award (2016)	-do-
4.	Life Time Achievement Award (Education and Academic) (2020)	Dr. H.C. Singh, Professor
5.	Fellow Award (Contribution in Agricultural Engg.) (2020)	Dr. Devendra Kumar, Assoc. Professor

B. Students Award

The following students achieve the various medals in the respective branch.

Year	Medals	Name	ID.	Decipline
2015	University Bronze Medals	Km. Sukriti Sachan	CT-1192/11	B.Tech. (Mech. Engg.)

2015	University Bronze Medals	Endra Narayan Rajput	CT-1897/11	B.Tech. (Ag. Engg.)
2015	University SilverMedals	Vimleshwar	CT-1898/11	B.Tech.(Ag. Engg.)
2015	Chancellor's Gold Medals	Satish Patel	CT-1901/11	B.Tech. (Ag. Engg.)
2015	Chancellor's Gold Medals	Mohit Tomar	CT-1911/11	B.Tech. (Elec. & Comm. Engg.)
2015	University SilverMedals	Km. Saumya Shukla	CT-1920/11	B.Tech. (Elec. & Comm. Engg.)
2015	University Bronze Medals	Km. Akanksha Srivastava	CT-1949/11	B.Tech. (Elec. & Comm. Engg.)
2015	Chancellor's Gold Medals	Km. Durga Gupta	CT-1963/11	B.Tech. (Comp. Sci. & Engg.)
2015	University Bronze Medals	Km. Rashmi Tiwari	CT-1966/11	B.Tech. (Comp. Sci. & Engg.)
2015	University SilverMedals	Disha Bajapai	CT-1968/11	B.Tech. (Comp. Sci. & Engg.)
2015	Chancellor's Gold Medals	Manas Raj Mishra	CT-1986/11	B.Tech. (Mech. Engg.)
2015	University SilverMedals	Akshay Yadav	CT-2006/11	B.Tech.(Mech. Engg.)
2016	Chancellor's Gold Medals	Prashant Kumar	CT-2060/12	B.Tech. (Ag. Engg.)
2016	University Bronze Medals	Sanjeet Kumar	CT-2061/12	B.Tech. (Ag. Engg.)
2016	University SilverMedals	Durga Lal Dhakar	CT-2062/12	B.Tech. (Ag. Engg.)
2016	University SilverMedals	Km. Priya	CT-2064/12	B.Tech.(Elec. & Comm. Engg.)
2016	Chancellor's Gold Medals	Amit Porwal	CT-2065/12	B.Tech. (Elec. & Comm. Engg.)
2016	University Bronze Medals	Anand Kumar Singh	CT-2078/12	B.Tech.(Elec. & Comm. Engg.)
2016	Chancellor's Gold Medals	Shubhan Raizada	CT-2109/12	B.Tech. (Comp. Sci. & Engg.)
2016	University SilverMedals	Km. Keerti Goswami	CT-2116/12	B.Tech. (Comp. Sci. & Engg.)
2016	University Bronze Medals	Mohd. Tamheed Khan	CT-2133/12	B.Tech. (Comp. Sci. & Engg.)
2016	University Bronze Medals	Nikhil Bhardwaj	CT-2146/12	B.Tech.(Mech. Engg.)
2016	University SilverMedals	Virendra Patel	CT-2155/12	B.Tech.(Mech. Engg.)
2016	Chancellor's Gold Medals	Vishnu Ji Awasthi	CT-2164/12	B.Tech. (Mech. Engg.)
2017	Chancellor's Gold Medals	Tanu	CT-2181/13	B.Tech. (Mech. Engg.)
2017	University Bronze Medals	Sachin Rajawat	CT-2190/13	B.Tech. (Ag. Engg.)
2017	University Silver Medals	Amit Kumar Singh	CT-2215/13	B.Tech. (Ag. Engg.)

2017	University Bronze Medals	Krashan Chandra Pandey	CT-2220/13	B.Tech. (Mech. Engg.)
2017	University Silver Medals	Shiv Mohan Singh Yadav	CT-2221/13	B.Tech. (Mech. Engg.)
2017	Chancellor's Gold Medals	Apoorva Sachan	CT-2237/13	B.Tech. (Mech. Engg.)
2018	University Book Bronze Medals 2018	Dhiraj Kumar Yadav	CT-2262/14	B.Tech.(Agri Engg.)
2018	University Book SilverMedals 2018	Aakanksha Yadav	CT-2265/14	B.Tech.(Agri Engg.)
2018	Chancellor's Gold Medals 2018	Harshit Kumar Chauhan	CT-2282/14	B.Tech.(Agri Engg.)
2018	Chancellor's Gold Medals 2018	Vikas Srivastava	CT-2286/14	B.Tech.(Elec. & Comm. Engg.)
2018	University Book Bronze Medals 2018	Paras Goyal	CT-2288/14	B.Tech.(Elec. & Comm. Engg.)
2018	University Book SilverMedals 2018	Vaishali Bhadauria	CT-2296/14	B.Tech.(Elec. & Comm. Engg.)
2018	Chancellor's Gold Medals 2018	Rohit Gupta	CT-2309/14	B.Tech.(Comp. Sci. & Engg.)
2018	University Book SilverMedals 2018	Hariram Pathak	CT-2316/14	B.Tech.(Comp. Sci. & Engg.)
2018	University Book Bronze Medals 2018	Krishana Vaibhav	CT-2326/14	B.Tech.(Comp. Sci. & Engg.)
2018	University Book Bronze Medals 2018	Swaranjali Maurya	CT-2346/14	B.Tech.(Mech.Engg.)
2018	University Book SilverMedals 2018	Avanish Kumar	CT-2357/14	B.Tech.(Mech.Engg.)
2018	Chancellor's Gold Medals 2018	Rajnish Kumar Tripathi	CT-2399/14	B.Tech.(Mech.Engg.)
2019	Chancellor's Gold Medals 2019	Pankaj Gupta	CT-2433/15	B.Tech.(Agri Engg.)Agri.Engg.
2019	University Book SilverMedals 2019	Rahul Gangwar	CT-2436/15	B.Tech.(Agri Engg.)
2019	University Book Bronze Medals 2019	Puneet Kumar Tiwari	CT-2438/15	B.Tech.(Agri Engg.)
2019	Chancellor's Gold Medals 2019	Prakhar Dwivedi	CT-2442/15	B.Tech.(Mech.Engg.)
2019	University Book Bronze Medals 2019	Akash Singh	CT-2454/15	B.Tech.(Mech.Engg.)
2019	University Book SilverMedals 2019	Ajay Kumar	CT-2472/15	B.Tech.(Mech.Engg.)
2019	Chancellor's Gold Medals 2019	Sonu Kumari	CT-2478/15	B.Tech.(Comp. Sci. & Engg.)
2019	University Book Bronze Medals 2019	Jaanvi Gupta	CT-2479/15	B.Tech.(Comp. Sci. & Engg.)
2019	University Book SilverMedals 2019	Km.Richa Awasthi	CT-2507/15	B.Tech.(Elec. & Comm. Engg.)
2019	Chancellor's Gold Medals	Arun Kumar Sharma	CT-2515/15	B.Tech.(Elec. &

	2019			Comm. Engg.)
2019	University Book SilverMedals 2019	Prachi Tripathi	CT-2518/15	B.Tech.(Comp. Sci. & Engg.)
2019	University Book Bronze Medals 2019	Km Pooja	CT-2533/15	B.Tech.(Elec. & Comm. Engg.)

6.5.7.4. Employability

What are the set of achievements such as skills, understandings and personal attributes that make College students more likely to gain employment and be successful in their chosen occupations, which benefits themselves, the workforce, the community and the economy? Provide one page note on the subjects.

Keeping in view the employability of would be Agricultural Engineer, the ICAR through its Vth Deans' Committee Syllabus has already provisioned the mechanism to inculcate the professionalism in the students by rigorous theory and practical knowledge by hands on training at different organizations / institutions / industry exposure. Students are also trained by the practical knowledge in the area of Agril Engg. by field exposure & experiencing learning programme. In addition to this the faculty from basic / agricultural science and engineering provide enough theoretical knowledge to make their base stronger for research oriented problems / solutions. Students are also given away project in the final year on the emerging products on demands in the market in the area of processing, agro-food processing, small farm machinery / equipments / tools robust in nature for small & marginal formers. All above aspects keeps the students current & updated and more employable by the state govt. / central govt. or being becoming self entrepreneurs to serve the agrarian community and improve the socio-economic status of the farming community.

6.5.8. SSR of the College must have the SSR of all its Degree Programmes (following section 6.4), then the report of the Colleges shall be considered.

Baba Saheb Dr. Bhim Rao Ambedkar College of Agricultural Engineering & Technology, Etawah was established during the year 1994-95. **This college is a faculty of Technology of Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-U.P.** The foundation stone of the College was laid down by Shri Mulayam Singh Yadav ji, the then Hon'able Chief Minister of Uttar Pradesh on 8th October 1994. 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 field of Agricultural Engineering and Technology. The B. Tech. degree program in Agricultural Engineering was started in academic year 1994-95.

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

I, Professor (Dr.) J.P. Yadav, the Dean, College of Agricultural Engineering & Technology hereby certify that the information contained in section 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 Dean

6.5.10 Each College Shall Submit SSR as Mention in 6.5.8 it shall be pre requisite for the SSR of the Agricultural University