SELF STUDY REPORT
(2018-2023)

Submitted to

National Agricultural Education Accreditation Board
Indian Council of Agricultural Research, New Delhi

College of Agricultural Engineering and Technology, Parbhani
Vasantrao Naik Marathwada Krishi Vidyapeeth
Parbhani - 431402 (MS) INDIA

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Vasantrao Naik Marathwada Krishi Vidyapeeth
Parbhani – 431 402 (MS)

Vasantrao Naik Marathwada Krishi Vidyapeeth
Parbhani – 431402 (Maharashtra State)

Forword

College of Agricultural Engineering and Technology, Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani, cater the need of Agricultural Engineering education, agricultural crop production systems and agro based industries of Maharashtra, particularly of Marathwada region. It has well developed infrastructure, qualified academic staff and other related facilities required to implement educational programme at graduation, post-graduation and doctoral level.

The self-study report prepared by associate Dean and Principal, embodied all the related information requisite in the self study report for accreditation purpose of the college.

I appreciate the efforts of Associate Dean & Principal and faculty members of college in preparation of self study report for the accreditation.

Dr. U. M. Khodke
Director of Instruction and Dean (F/A)
VNMKV, Parbhani

Vasantrao Naik Marathwada Krishi Vidyapeeth
Parbhani – 431402 (Maharashtra State)

Preface

College of Agricultural Engineering and Technology, a constituent College of Vasantrao naik Marathwada Krishi Vidyapeeth, Parbhani, is established on 23rd November, 1986, to fulfil and cater the need of farming community and agro-industry of Maharashtra and particularly Marathwada region through imparting the quality education and knowledge to the students at under graduate degree programme in Agricultural Engineering. College also offers PG and Ph.D. degree programme in four major disciplines of Agricultural Engineering. Training programs are also organized for youths by college for skilled professional manpower development in the field of Agricultural Engineering. The college has well infrastructural facilities, highly qualified academic staff, technical and supporting staff, administrative personnel, instructional farm for on farm experimentation and practical to train students in professional skills.

The institute provides opportunity to its graduating students to involve in the research projects so as to make their foundation strong when they enter the agricultural research system of the university and research institutes.

The college organizes a several programmes for a overall development of the students. Accreditation of the institution encourages its faculty and students for their future endeavours and to march ahead with full strength to fulfil the objectives and goals of agricultural education in the country.

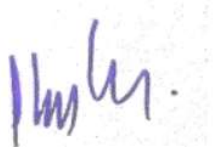
Dr. U. M. Khodke
Associate Dean and Principal
College of Agricultural Engineering and Technology,
VNMKV, Parbhani

Acknowledgement

I place on record the timely submission of information, by all the academic and administrative staff members, required for the inclusion and in preparation of self study report of this college for accreditation purpose. All the heads and in-charges of education branch, scholarship, hostel, accounts, gymkhana, training and placement, NSS, library, establishment, etc. Contributed the appropriate information of their branch for the report.

I also put on record the help rendered by Dr. Rahul Ramteke, Nodel Officer for accreditation report preparation and the members of committee for preparation of the report in stipulated period in a such fine form.

Our thanks are due to Prof. (Dr.) Indra Mani, Hon. Vice Chancellor of the university and Director of Instructions and Dean (F/A) of the university for their kindly guidance and help during the preparation of the report.



Dr. U. M. Khodke
Associate Dean and Principal
College of Agricultural Engineering and Technology,
VNMKV, Parbhani

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B.Tech. (Agricultural Engineering)

6.4 Self-Study Report of the Under-Graduate Degree Programme

6.4 Self-Study Report of the Under-Graduate Degree Programme

6.4.1 Brief History of the Undergraduate Degree Programme

Agricultural Engineering is a branch which incorporates principles of various basic engineering disciplines such as mechanical, civil, electrical, electronics, chemical, material science, computer and information technology with the knowledge of agriculture and basic sciences. Agricultural Engineering deals with tractors and farm machinery, farm structures, farm drainage management and erosion control, water supply and irrigation, renewable energy applications and processing and value addition of farm produce.

The Government of Maharashtra established Marathwada Krishi Vidyapeeth on 18th May 1972 at Parbhani a centrally located place of Marathwada for the development of agriculture in the region. Presently the nomenclature of university is expanded as Vasantrao Naik Marathwada Krishi Vidyapeeth (VNMKV) since 2013. Since 1986, VNMKV is privileged to have the College of Agricultural Engineering and Technology as one of its constituent colleges working for the empowerment of farmers and human resource development. Since then, Agricultural Engineering faculty is playing the pivotal role in the development of agriculture by proving the skilled human resource and increasing agriculture production and productivity in the state of Maharashtra and Marathwada in particular.

Growth of Institution

The College of Agricultural Engineering and Technology, Parbhani was established on 23rd November 1986 with the intake capacity of 32 students per year (MKV-1286/CR-101/20-A Dt. 23rdOctober 1986). The college offers four-year undergraduate degree programme in B. Tech. (Agricultural Engineering) spread over eight semesters. B. Tech. (Agricultural Engineering) degree programme is unique of its kind which envisages planning, development, implementation, and evaluation of modern agricultural technologies for the up-gradation of traditional practices to have entrepreneurship and revolution in the field of agriculture and agro-based industries.

During the academic year 2005-2006, intake capacity for B. Tech. (Agril. Eng.) was increased from 32 to 64 in the. Recently the intake capacity of this programme is increased from 64 to 80 in the academic year 2022-2023 to meet the requirement of the gross enrolment ratio as per NEP. This degree programme is structured to acquire need based and refined knowledge and skills in the field of Agricultural Engineering. Since its establishment total 815 students are graduated from this college, who are serving the society successfully in different sectors.

This college has implemented numerous innovative research and extension projects independently with tangible outcomes. These includes State and Central Government sponsored ad-hoc projects, All India Coordinated Research Project (AICRP) and RKVY through DST, ICAR, MoFPI and Ministry of Water Resources. The college also has established Renewable Energy Park for demonstrating solar energy utilization and Model Experiential Learning Unit for processing of oilseeds and pulses. College also was involved in establishment of Centre of excellence in drones, robots and AGVs for digital agriculture under World Bank funded National Agricultural Higher Education Project.

College is establishing Maharashtra Mechanization Center through CSR fund from TAFE for imparting advanced skill training to UG students during industrial attachment. College is also operating another industry sponsored project with the help of CNH (New holland), Industrial for undertaking skill development trainings on mechanization for stundets and rural youths.

Present Status of Under Graduate Degree Programme

At present, the College of Agricultural Engineering and Technology is running undergraduate B. Tech. (Agril. Engg.) degree programme. The course curricula and syllabus of UG programme is restructured as per the recommendations of Vth Deans' Committee of ICAR, New Delhi and is being implemented from the academic year 2017-18.

The college has seven departments with well-equipped laboratories:

1. Department of Irrigation and Drainage Engineering (IDE)
2. Department of Soil and Water Conservation Engineering (SWCE)
3. Department of Agricultural Process Engineering (APE) / Processing and Food Engineering (PFE)
4. Department of Farm Machinery and Power Engineering (FMPE)
5. Department of Renewable Energy Engineering (REE)
6. Department of Farm Structures (FS)
7. Department of Basic Sciences and Engineering

Following Facilities are available at college.

1. Model Class rooms, Exam hall, Seminar hall & Auditorium.
2. Laboratories with advanced equipment and software.
3. Gymkhana unit, NSS Unit, Training & Placement Cell, College Library and Cultural Centre.
4. Boys & Girls Hostels with all required facilities.

College has separate buildings for girls' and boys' hostel with the accommodation capacity of 40 and 140 students, respectively having the facilities like Wi-Fi, drinking water purifier and solar water heater. If require additional hostel accommodation is provided in oter hostels in the campus. Sports facilities for indoor games (carrom, chess), outdoor games (kabaddi, kho-kho, volleyball) and recreation facilities are available in the College. In addition, University level sports complex facilities are used by the students. Admission process for the UG programme is being implemented by State Nodal Agency and MCAER, Pune through online mode for all SAUs of Maharashtra. The academic programme for UG degree is run as per the prevailing academic rules and regulations of the University.

Mission and Goals

- **Mandate of the College**

  The college is working on three mandates viz. education, research and extension. The mandate of college is to impart quality education, to conduct applied research and to transfer developed and proven technologies of Agricultural Engineering among farmers and students.

Mission Statement

- To impart quality higher education, professional knowledge, and skills to the students to empower them for self-employment and making career in industries, academic institutions, and government and private industries.
- To provide basic and applied research in agricultural engineering for the benefit of farmers and industry.

Goals

- To meet the need of farmers, industries, R and D organizations and educational institutions.
- To develop capabilities in the students to face the challenges for their overall professional development.

Current Mission

- To educate graduates in the field of Agricultural Engineering to prepare them as leaders in industry and profession.
- To upgrade the laboratories and infrastructure facilities as per the requirement of syllabus recommended by Deans committee of ICAR and to meet the future challenges of quality education.

- To conduct need-based quality research by applying engineering principles to solve problems of agricultural systems and to make sincere efforts for transfer of Agricultural Engineering technologies for empowerment of students and farmers.

Current Goals and Objectives

- To upgrade the laboratories to meet the requirements of advanced learning.
- To reorient syllabus in line with NEP 2020 recommendations
- To update the faculty by giving exposure to them at National / International institutes for advance training and capacity building programmes.
- To establish Industry-Academia linkages for joint research funding and commercialization of technology.
- To establish collaborations with various national and international institutes to conduct innovative and need based research, to create global competitiveness and internationalization.

Accomplishments

- The students graduated from this college are serving in different sectors including self-employment and entrepreneurs.
- A few graduates have served and are working in reputed international and national institutes like NASA (Ms. Aparna Phalke), Purdue University (Mr. Kishor Gavhane), JSPS Kyoto University (Mr. Parmeshwar Udmale).
- Received several awards at state and national level for paper presentations, best thesis award and innovative ideas in various technical festivals and in NSS activities.
- College has developed several production / processing technologies and farm implements.
- College has established collaborations with ICAR-CIAE, Bhopal, ICAR-CIRCOT, Mumbai, ICAR-CRIDA Hyderabad, ICAR-IISR Lucknow, IIT Kharagpur and Mumbai, CFRRI Mysore and ICAR-CIPHET Ludhiana for students/ faculty exchange, trainings and collaborative research.
- Developed Linkage with international institutes like Washington State University, Pullman, USA; Kansas State University, Kansa; University of Florida USA and Asian Institute of Technology Bankok for students exchange and research.
- One patent by the faculty on Instant potato and process for manufacturing the same, (2008) Patent No. 192928 has been approved.

- College has also made MoU with various industries for commercialization of developed machines/ technologies (M/s Sushil Model & Scientific Works, Ambala Cantt. for electrically operated roaster, Rohit Agro, Pune for BBF planter, Inventive Solutions Nashik for solar operated gadgets, etc).

Table 1: Programmes offered with duration.

Programme	Name of the Degree/ Department	Year of Establishment	Duration
UG	B. Tech. (Agricultural Engineering)	1986-87	4 Years (8 Semesters)

Restructuring of UG programme from academic year 2017-18

The curricula and syllabus recommended by the Vth Deans' committee is being implemented from the academic year 2017-18 in which, practical contents were increased to the tune of 60 percent. The maximum course credits of 21-22 per semester are included to provide time to the students for library consultation and other activities like assignments, tutorials, self-work, seminars, and project preparation. The total number of credits in 8 semesters of UG programme including student READY is 183 credits.

6.4.2 Faculty Strength

The post of Associate Dean and Principal of College of Agricultural Engineering has been sanctioned by state government regulation for the establishment of college. Dr U.M. Khodke is working as Dean/ Associate Dean and Principal since November 2018.

Table 2 : Faculty strength of College of Agricultural Engineering and Technology

S. No.	Sanctioned Faculty	Faculty in Place	Vacant Position	Sanctioned position	Faculty recommended by the ICAR regulatory body	Deviation (%)
1	Associate Dean and Principal	-	1	1	1	00
2	Professor	--	--	00	07	100
3	Associate Professor	04	01	05	14	36
4	Assistant Professor	13	0	13	21	38
Total		**17**	**02**	**19**	**43**	**56**

Table 3 Department wise faculty position

S.No.	Post	Sanctioned post	Filled Post	Vacant	Faculty recommended by the ICAR regulatory body	Remark
1	**Department of Irrigation and Drainage Engineering**					Services of Assistant Professors and Associate Professors from faculty of Agriculture and research projects such as AICRP on Irrigation Water Management, Dry land Agriculture and Animal Energy utilization are deputed to support the teaching and research activities of College of Agricultural Engineering & Technology
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	2	2	0	3	
2	**Soil and Water Conservation Engineering**					
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	2	2	0	3	
3	**Agricultural Process Engineering**					
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	2	2	0	3	
4	**Farm Power and Machinery**					
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	3	3	0	3	
5	**Renewable Energy Engineering**					
	Professor	0	0	0	1	
	Associate Professor	0	0	0	2	
	Assistant Professor	2	1	1	3	
6	**Farm Structures**					
	Professor	0	0	0	1	
	Associate Professor	0	0	0	2	
	Assistant Professor	1	1	0	3	
7	**Basic Science and Computer Technology**					

	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	1	1	0	3	

Table 3-A: Research Staff Involved in UG Teaching

S.No	Name of employees	Designation	Qualification
1	Dr. S.N. Solanki	Professor (CAS) and Research Engineer	M.Tech.(FMPE), Ph.D. (FMPE)
2	Dr. D.D. Tekale	Professor (CAS) and Agril. Engineer	M.Tech.(FMPE), Ph.D. (FMPE)
3	Dr. M.S. Pendke	Professor (CAS) and Agril. Engineer	M.Tech.(SWCE), Ph.D. (SWCE)
4.	Er Ajay Waghmare	SRA, Agril. Eng.	M. Tech. (FMPE)

Table 4: Outsourcing from Other Constituent Colleges of VNMKV (2018-19 to 2022-23)

Academic Year	Session	Name of University Teacher	Qualification	Course No.	Credits
2018-19 to 2022-23	Monsoon/ Summer	Dr. P.K. Waghmare	Ph.D. (Agro.)	ASAGRO-111	2(1+1)
		Dr. V.N. Shinde	Ph. D. (Hort.)	ASHORT-111	2(1+1)
		Dr. R. N. Khandare	Ph.D.(SS & AC)	ASSS-111	2(1+1)
		Dr. R.C.Sawant	Ph.D.(Agril. Extn.)	DEG-111	1(1+0)
		Dr. R.C.Sawant	Ph.D.(Agril. Extn.)	ASEXTN-231	2(1+1)
		Dr. S.B. Borgaonkar	Ph.D.(Agril. Botany)	ASESDM-361	3(2+1)

Table 5 : Details of Contractual Teachers employed for completing curriculum of UG degree programme (2018-19 to 2022-23)

General Agriculture Sciences

Academic Year	Session	Name of Contractual Teacher	Qualification	Course No.	Credits
2018-19	Monsoon	V. D. Raut	M.Sc. (Agril. Extn)	AS-EXTN-111	2(1+1)
		V. D. Raut	M.Sc. (Agril. Extn)	DEG-111	1(1+0)
		V. D. Raut	M.Sc. (Agril. Extn)	AS-EXTN-231	2(1+1)
	Summer	M. S. Mokalikar	M.Sc. (Agril. Hort.)	AS-HORT-121	2(1+1)

2019-20	Monsoon	Dr. P.K. Waghmare	M.Sc. (Agro.)	ASAGRO-III	2(1+1)
	Summer	S. A. Thalkari	M.Sc. (Agril. Hort.)	AS-HORT-121	2(1+1)
		Ms. M. V. Pawar	M.Sc.(Environmental Science)	AS-ESDM-361	3(2+1)
2020-21	Monsoon	--	--	--	--
	Summer	--	--	--	--
2021-22	Monsoon	--	--	--	--
	Summer	V. R. Pisore	M.Sc.(Agril.Agro)	AS-AGRO-121	2(1+1)
2022-23	Monsoon	S.A. Guldagad	M.Sc. (Agril. Extn)	AS-EXTN-231	2(1+1)
	Summer	--	--	--	--

Department of Basic Science and Computer Technology

Academic Year	Session	Name of Contractual Teacher	Qualification	Course No.	Credits
2018-19	Monsoon	K. V.Bothara	B.E.(E&TC)	BSCOMP-111	2 (1+1)
	Summer	G.S.Shekde	M.Sc.(Maths)	BSSTAT - 121	2 (1+1)
		Dr. Sayed Khizer	Ph.D.(Comp. Science)	BSCOMP-122	2(0+2)
2019-20	Monsoon	K.V.Bothara	B.E.(E&TC)	BSCOMP-111	2 (1+1)
	Summer	G.S. Shekde	M.Sc.(Maths)	BSSTAT - 121	2 (1+1)
		Dr. Sayed Khizer	Ph.D.(Comp. Science)	BSCOMP-122	2(0+2)
2020-21	Monsoon	--	--	--	--
		G.S. Shekde	M.Sc.(Maths)	BSSTAT - 121	2 (1+1)
2021-22	Monsoon				
	Summer	S. E. Chavan	M.Sc.(Maths)	BSSTAT - 121	2 (1+1)
2022-23	Monsoon	--	--	--	--

Department of Farm Structures

Academic Year	Session	Name of Contractual Teacher	Qualification	Course No.	Credits
2018-19	Summer	Er.C.J.Karegaonkar	B. E. (Mech.)	FS-122	2(1+1)
2019-20	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-233	2(1+1)
	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-111	3(2+1)
2020-2021	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-233	2(1+1)
	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-111	3(2+1)
2021-2022	Summer	Er.V.N.Karhale	B. E. (Civil)	FS-122	2(1+1)
	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-111	3(2+1)
2022-2023	Summer	Er.V.N.Karhale	B. E. (Civil)	FS-122	2(1+1)
	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-111	3(2+1)

Department of Renewable Energy Engineering

Academic Year	Session	Name of Teacher	Qualification	Course No	Credit
2018-19	(Monsoon)	K. V. Bothra	B.Tech (Electronics & Communication) M.Tech (Digital Communication)	EOES-233	3 (2+1)
	(Summer)	K. V. Bothra		REE-122	3 (2+1)
2019-20	(Monsoon)	Ms. S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-354	3 (2+1)
	(Summer)	K. V. Bothra	B.Tech (Electronics & Communication) M.Tech (Digital Communication)	REE-122	3 (2+1)
	(Summer)	Ms. S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-365	3 (2+1)
2020-21	(Monsoon)	Ms. S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-354	3 (2+1)
	(Monsoon)	Ms. S.N. Mustapure		ELE-REE-481	3 (2+1)
	(Summer)	Ms. S.N. Mustapure		REE-365	3 (2+1)
	(Summer)	Ms. S.N. Mustapure		REE-111	2 (1+1)
	(Summer)	K. V. Bothra	B.Tech (Electronics & Communication) M.Tech (Digital Communication)	REE-122	3 (2+1)
2021-22	(Monsoon)	Ms. S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-365	3 (2+1)
	(Summer)	Ms. S.N. Mustapure		REE-354	3 (2+1)
	(Summer)	Ms. S.N. Mustapure		ELE-REE-481	3 (2+1)
2022-23	(Monsoon)	Ms. S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-243	3 (2+1)
	(Monsoon)	K. V. Bothra	B.Tech (Electronics & Communication M.Tech (Digital Communication	REE-122	3 (2+1)

6.4.3 Technical and Supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work / workshop/farm work are in place at this college.

Table 6 : Technical and supporting staff of college.

S.	Name of Post	Sanctioned	Filled	Vacant	Faculty	Deviation

No.		post	post	post	recommended by the ICAR regulatory body	(%)
Dean's office and Central staff facility						
1	Asstt. Section Officer	01	01	-	01	0
2	Stenographer	01	01	-	02	50
3	Sr. Clerk	01	01	-	-	-
4	Jr. Clerk	05	01	04	06	16
5	Driver/Computer operator/technician	01	01	00	03	67
6	Mazdoor	05	04	01	-	-
7	Agril. Assistant	02	01	01	-	-
8	Peon	05	04	01	02	-
9	Sweeper	05	04	01	-	-
10	Watchman	01	-	01	-	-
11	Electrician	01	-	01	-	-
Department of Irrigation and Drainage Engineering						
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	01	00	01	02	50
4	Peon	-	-	-	01	100
Department of Soil and Water Conservation Engineering						
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	01	00	01	02	50
4	Peon	-	-	-	01	100
Department of Basic Science and Computer Technology						
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	01	00	01	02	50
4	Lab Attendant	-	-	-	-	-
5	Peon	-	-	-	01	100
Department of Renewable Energy Engineering						
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	-	-	-	02	50
4	Lab Attendent	01	-	01	-	-
5	Peon	-	-	-	01	100
Department of Farm Structures						
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	-	-	-	02	50
4	Lab Attendant	01	00	01	-	-
5	Peon	-	-	-	01	100
Department of Agricultural Process Engineering						
1	Sr. Clerk	01	01	-	01	00
2	Peon	-	-	-	02	100

Department of Farm Machinery and Power Engineering						
1	Senior Research Assistant	01	00	01	-	-
2	Lab Assistant	-	-	-	02	100
3	Lab Attendant	02	02	-	-	-
4	Sr. Mechanic	01	01	-	-	-
5	Driver	01	-	01	01	00
6	Peon	-	-	-	01	100
7	PA/Steno	-	-	-	01	100
8	Clerk	-	-	-	01	100
	Total	**39**	**22**	**17**	**50**	**22**

In addition to the above, technical and supporting staff are deputed from central office facility and some are hired as per the need of the departments in particular semester.

6.4.4 Classrooms and Laboratories

Four model classrooms are established for effective teaching and learning processes. Theory classes are conducted with the help of audio-visual aids like K-Yan, LCD projector, charts and models etc. whereas practical are conducted in laboratories of the respective department, workshop, ELP unit, field laboratories such as micro irrigation laboratory, solar energy park, green house structures. Research farms of various research stations are being utilised for the exposure to UG students. Various laboratories available on the University campus such as agronomy, soil-water-plant analysis, horticulture, computer, CAD-CAM, electronics are being used for conducting the practical of basic science and engineering-oriented courses.

A well-equipped computer laboratory is established in the college with software facilities like ARIS/LAN, A to Z Watershed software, Pro-E, ANSYS, MATLAB and Simulink, RS & GIS and Design Expert. Advanced equipment like Total Survey Station, Pump test rig, IC Engine test rig, Digital hardness test rig, Metal composition testing machine, CNC machine, Leaf Area Meter, Water quality kit, Engine Test Rig, Laser Leveller, Texture Analyser, Bakery Unit, Hunter Colour Lab Meter, Water activity meter, Extruder, Universal testing machine, Compression testing machine are also available for practical and demonstrations to students.

Adoption of ICAR Model Curriculum

The College has adopted the curriculum approved by the ICAR with 20 per cent changes as per the regional needs. The four-year degree programme B.Tech. (Agril. Engg.) is comprised of 183 credits as shown in Table 7.

Table 7 : Interdisciplinary credit requirement as per Vth Deans Committee

Departments /Division	Credits
Basic Science and Computer Technology	17
Agricultural Science	15
Department of Farm Machinery and Power Engineering	22
Department of Soil and Water Conservation Engineering	16
Department of Irrigation and Drainage Engineering	16
Department of Process and Food Engineering	16
Department of Farm Structures	12
Department of Renewable Energy Engineering	14
Elective Courses	09
General Agricultural Engineering (Seminar, In-plant training, Agricultural Engineering Project)	41
Educational Tour (Only one tour to be Gradial)	2
Non Gradial Compulsory Courses	3
Total	**183**

Table 8: Details of Classrooms

S. No.	Classrooms	Length (m)	Breadth (m)	Area (Sq.m)	Seating Capacity
1	Lecture Hall No. 1	11.35	11.15	127	80
2	Lecture Hall No. 2	11.35	11.15	127	80
3	Lecture Hall No. 3	11.35	11.15	127	80
4	Lecture Hall No.4	11.35	11.15	127	80

Table 9 :Details of Laboratory

1. Department of Irrigation and Drainage Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (Sq.m)	Seating Capacity
1	Irrigation Engineering Lab.	14.10	11.30	159	40
2	Fluid mechanics and Micro Irrigation Lab.	11.30	21.00	237	40
3	Micro Irrigation Field Lab.	100	100	10000	40
4	Geo-informatics Computer Lab.	3.00	4.00	12.00	10
5	Lysimeter-AWS Field Lab.	140	100	14000	40

2. Department of Soil and Water Conservation Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (Sq.m)	Seating Capacity
1	Soil Mechanics Lab.	10.60	11.15	118	40
2	Surveying and hydrology Lab.	14.05	11.05	158	40

3	Field Laboratory - Soil Water Conservation Engineering	100	100	10000	40

3. Department of Agricultural Process Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (Sq.m)	Seating Capacity (No. of Student)
1	Crop Processing Engg.	11.28	14.32	162	40
2	Food Engineering	8.7	7.4	64	40
3	Quality control (ELP)	12.20	10.80	132	40

4. Department of Farm Machinery and Power Engineering.

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (Sq.m)	Seating Capacity (No. of Student)
1	Workshop	10.60	21.80	231	40
2	Farm Power	11.15	21.40	239	40
3	Engineering Drawing Hall	11.15	18.80	198	40
4	Implement Shed	16.50	29.60	488	40
5	Exhibition Hall	10.60	22.00	233	40
6	CAD –CAM Laboratory	06.00	15.00	90	40
7	Drawing Hall	11.15	17.80	198	40

5. Department of Basic Science and Computer Technology

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (Sq.m)	Seating Capacity (No. of Student)
1.	Computer Lab.	10.50	11.15	117	40
2.	Physics Lab.	10.50	11.70	123	40
3.	Language Lab.	3	5	15	40

6. Department of Renewable Energy Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (Sq.m)	Seating Capacity (No. of Student)
1	Electrical/Chemical engineering Lab.	10.60	10.70	113	40
2	Renewable Energy	10.60	10.50	111	40
3	Energy Park (Field Lab.)	60	75	4500	40

7. Department of Farm Structures

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (Sq.m)	Seating Capacity

					(No. of Student)
1.	Farm Structures Lab	10.50	22.00	231	40

Table 10 : Department-wise list of equipment/instruments/implements available

Sr. No.	Name of equipment
Department of Irrigation and Drainage Engineering	
1	Lysimeter to study crop water balance
2	Automatic Weather Station
3	GPS Units (Global Position system)
4	Oven, Tensiometer, Electrical Conductivity Meter
5	Double Ring Infiltrometer, pH Meter,
6	Water Quality Testing Kit
7	Components of Sprinkler and Drip Irrigation System
8	Irrigation Water Measuring Devices (V-Notch, Parshall Flume, H-Flume, Orifice Plate)
9	Venturimeter, Orifice Meter setup, Parshall Flumes, Mouthpieces
10	Bernoulli's Theorem Apparatus
11	Meta-centric height Apparatus
12	Tilting flume apparatus
13	Current meter, Pan evaporimeter, Electrical resistivity meter
14	Different manometers
15	Different components of pumping unit: impellers, foot valves, etc.
16	Different flow control valves for pipe flow
17	Different types of pipes and pipe fittings
18	Pump test rig
19	Different models: water regulating structures in canal irrigation: head regulators, canal regulators, cross drainage works, etc
20	Water Quality Analysis kit
21	Photo Flame meter
22	Leaf Area meter
23	Drip Irrigation Automation Unit
Department of Soil and Water Conservation Engineering	
1.	Hot air oven, augers, moisture boxes, digital weighing balance
2.	Digital soil moisture meter
3.	Bulk density apparatus-core cutters
4.	Soil temperatures meters, probe thermometer, infrared thermometer
5.	Double ring infiltrometers
6.	Falling head permeability test apparatus
7.	Sieve shaker for particle size analysis
8.	Consistency limits apparatus
9.	Instruments for land survey, Plane table and its accessories, Prismatic and surveyors compass, Dumpy levels and levelling staves, Automatic level ,Thedolite , Drafting table
10.	Instruments for slope measurement-hand level, Abney level, clinometers etc.
11.	Total Survey Station

12.	Flow measuring devices-H-flume, Parshall flume
13.	Flow velocity measurement instruments-current meters
14.	Multi slot divisors and Runoff plots on field laboratory
15.	All types of rainfall recorders
16.	Stage level recorders
17.	Different evaporation pans
18.	Anemometer, Hygrometer
Department of Agricultural Process Engineering	
1	Texture analyzer
2	Apparatus for angle of repose, anemometer,
3	Apparatus for measurement of properties of milk, cream separater
4	Autoclave
5	Mini Dal Mil
6	Refrigeration and freezing tutor
7	Parallel and counter heat exchanger
8	Soxhlet apparatus, Kzeldol apparatus
9	Infrared Moisture meter
10	Flour Mill
11	Mixer cum pulper
12	Models of handling equipments and Boilers
13	Vibration and drop tester, Box compression tester,
14	Spray dryer
15	Orbital shaking incubator
16	Horizontal laminar air flow cabinet
17	Bakery Unit
18	Water activity meter
19	Hunter Lab colori meter
20	Extruder
21	Multi grain Roster cum puffer
Department of Farm Machinery and Power Engineering	
1	Tractor – 45 hp
2	Power Tiller, Reaper
3	Lathe Machine, CNC Machine, Shaper Machine, welding machine
4	Grinder
5	Tool kits with box (Ellen key set, Open end spanner set, Pliers, Nose pliers, Circlip pliers)
6	Cut sections of Tractor, Single and Multi-cylinder engine, Air cleaner, Gear box, Differential, Battery, Fuel injection pump
7	Models of Electrical system, Lubrication system, Cooling system, Tractor hydraulic system
8	Mould board plough, Sub-soiler, Rotary tiller, Cultivator, Seed-cum fertilizer, drill Inclined plate planter, Vertical conveying reaper, Potato digger
9	Laser leveller
10	Set of animal drawn implements: disc harrow and cultivator
11	Potato planter, Sugarcane cutter planter
12	Knap sack sprayer
13	Wheat thresher, Paddy thresher, Multi crop thresher
14	Standard disc plough, Mould board plough

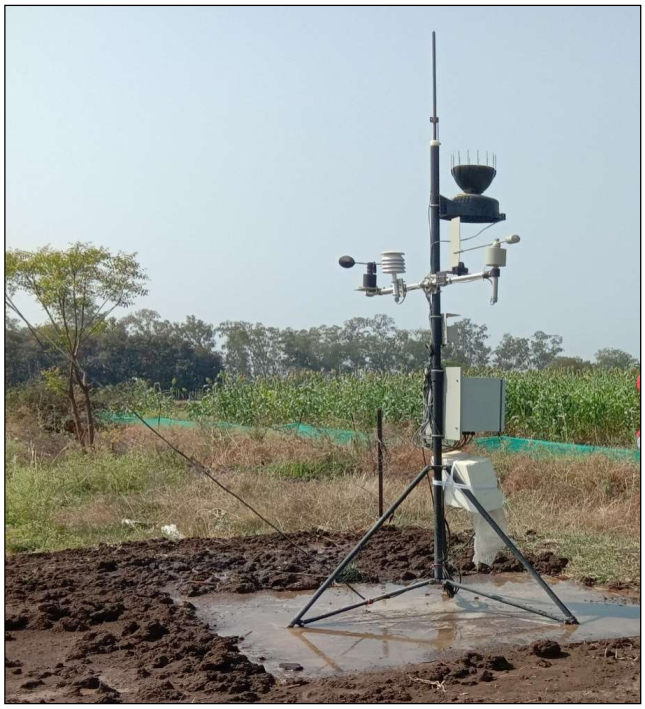
Department of Basic Science and Computer Technology	
1	One Server
2	Thin Clients- 24
3	Desktop PC-8
4	10KVA online UPS
5	Network Switches
6	Physics Lab equipment -
Department of Renewable Energy Engineering	
1	Electrical Tutor for three phase induction motor
2	Electrical Tutor for Single phase induction motor
3	Electrical Tutor for Slip-ring induction motor
4	Eight channels microprocessor-based temperature scanner
5	Em50 digital data logger: with data Trac III graphing software (single user) and solar radiation sensor (Pyranometer) with levelling plate
6	Pyranometer
7	SPV Submersible pump, SPV centrifugal pump
8	Solar wind hybrid power generating system
9	Solar water heating systems: Flat plate collector type, Evacuated Tube Collector type
10	Solar cookers: Scheffler type, Parabolic collector type, Box type
11	Solar Dryers: Tunnel type, Cabinet type, Rock bed type
12	Solar Distillation plant
13	Biogas Plants: Deenbandhu type, Floating drum type (AARTI model)
14	Biomass Gasifier
15	Biodiesel Processor
Department of Farm Structures	
1	Slump Cone Tess, Compaction Factor Test, Flow Table,
2	Le-chatelier mould
3	Vicat apparatus
4	Concrete cube mould
5	Universal testing machine (U.T.M Capacity of 40 tone)
6	Compression testing machine capacity-1000 KN
7	Aggregate impact testing machine
8	Stiffness of spring test, hardness test
9	Force tables
10	Differential axle and wheel, single purchase crab, double purchase crab, worm and worm wheel
11	Models of shade net house, green house, construction technology, trusses

Lysimeter and Automatic Weather Station (AWS) Field Laboratory

The project on determination of crop coefficient of different crops using lysimetric studies is operational at the experimental farm of Department of Irrigation and Drainage Engineering. A lysimeter is used to measure actual evapotranspiration of plants by recording the amount of precipitation that an area receives, and the amount of water lost through the

soil and evapotranspiration. Three lysimeters are installed at this experimental field. Data logger is provided to display the output of crop water requirement and quantity of removal of drain water. Similarly Automatic Weather Station (AWS) is installed at the experimental farm to provide daily data of climatic parameters such as maximum & minimum temperature, relative humidity, rainfall, wind speed, wind direction, solar radiation, and barometric pressure, etc.

Lysimeter installed in cropped field



Automatic Weather Station installed in the field

Micro Irrigation Field Laboratory:

The college has developed micro irrigation field laboratory on 0.5-hectare area. The laboratory has micro irrigation systems which include different filters (sand filter, screen filter, disc filter and hydro-cyclone filter), venturi, fertilizer tank and dozer pump for introduction of liquid and water-soluble fertilizers. The laboratory is also equipped with time-based drip automation unit for conducting practical for UG students.

College has instructional farm of 2.5 ha with bore well, submersible pump set, pump house and sub surface conveyance pipe network, farm pond of 15x15x3 m size and 12-compartment run-off plots for conducting students practical and research projects under UG programme. Similarly, 22.15 ha demonstration cum research farm is also allotted to college for large scale demonstration of advanced technologies.

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Computer lab</td><td>Workshop facilities</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Drawing Hall</td><td>Students busy in practical on polyhouse</td></tr>
</table>

Processing and Food Engineering lab

Practical on surveying & levelling

Micro Irrigation Laboratory

Experiential Learning Unit

During 2012-13, an Experiential Learning Unit on 'Processing of Pulses and Oil seeds' is established in the college for the skill development and experience for the students and also for teaching and demonstration under UG degree under IVth Dean's Committee syllabus. To develop skill and entrepreneurship among students, various instruments, and equipment such as soya milk and soya paneer pilot plant, bakery unit, extruder and pulse milling pilot plant for production of pulse-based products are installed in addition to testing facilities. The said ELP facility is used for practical and research projects of UG, PG & Ph.D. students and training and demonstration to the farmers. Various process technologies are developed for soya milk, soya paneer, okra-based bakery products, dehydrated chunks, extruded products and soya nuts, pearl millets kharodi, oil extraction from turmeric leaves and soychikki. Similalrly, machines like electrically operated roaster cum puffer, LPG operated Puffing cum popping machines are designed and developed to produce puffed/ popped products from sorghum, pearl millets, maize, groundnut, soybean and Bengal gram. Trainings and demonstrations on developed technologies and machineries are being

organized for SHG and staff of KVK's and developmental departments, farmers, and entrepreneurs.

Experiential Learning Unit

Renewable Energy Park

Renewable Energy Park is created which is spread on 0.5 ha area and provided with on-field installation of solar water pumping set (capacity 1 hp), solar wind hybrid system (800 W capacity), KVIC and Din Bandhu bio-gas plants, tunnel dryer, rock bed dryer, distillation unit, ETC and flat plate solar water heater, bio-mass gasifier, different solar street lights for conducting practical and research projects of UG programme.

Renewable Energy Park

Theory and practical batches

The in-take capacity of B. Tech. (Agril. Engg.) degree programme is 64 students. One batch of 64 students for theory class and four batches each of 16 students are formed for practical class.

6.4.5 Conduct of Practical and Hands on Training

Conduct of Practical

The practical and hands on training are conducted in the laboratories of respective department and field allocated to concerned department. The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the respective laboratories, on farm, workshops, ELP unit, solar energy park, micro irrigation laboratory, farm ponds, green house and shade net structures and dairy farms. The various techniques are being demonstrated to the students and students perform actual practical. The students record their experimental results in their practical manual. In seventh semester UG students undergo industrial attachment and experiential learning for 20 credits. Eighth semester students of B.Tech. (Agril. Engg.) register 9 credits (3 courses) of practical oriented elective courses from different departments. In addition, they have one seminar (1 credit) and research project (10 credits).

Hands on Training

The students are deputed for one-month industrial training after IVth and VIth semester. Whereas in VIIth semester students are deputed for four months exhaustive In-plant training. The students are exposed to different industries such as irrigation, food, tractor, farm implements, NGO'S, research organizations for In-plant training. The training constitutes day to day practical activities such as production process, quality testing, measurements and the research and developmental activities to promote their innovative ideas and skills. Students acquire skills through hands on training. The students are also exposed to marketing and management activities. Training helps the students to minimize gap between theoretical knowledge and practical applications.

UG students undergoing Hands on Training at CIAE, Bhopal

6.4.6 Supervision of Students in Undergraduate Programme – Not Applicable

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

College has well defined feedback mechanism for different stakeholders i.e. students, parents, industries, employers, and farmers. Real feedback of the students is also collected frequently through the suggestion and complaint box placed in the office of Associate Dean & Principal. Regular students-parents meeting with college authorities are organized to take feedback from the parents. Employees are encouraged to give their feedback during monthly meetings while farmer's suggestions and feedback are taken directly through interactions and through letters. College authority takes action as per rules on the issues raised in the feedback of stakeholders. The summary of feedback received from different stakeholders and action taken are presented in following tables.

Student's Feedback Mechanism

- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Students submit the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the college in developing both academic and non-academic facilities.
- In addition the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized, and specific suggestions are discussed in the monthly meeting. The suggestions and feedback are addressed by the concerned college committee.
- Feedback is also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedback is also taken up in the Faculty Meeting to formulate policies.

Alumni Feedback Form

Degree Program Completed: B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)

Discipline in case of PG Degree:

Name of the Student: Registration No. :

Year of Admission: Year of Degree Completion :

Present Status: Job / Occupation:

Your Opinion About College: Tick the appropriate one: **(√)**

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you				

	learnt in the college in relation to your current job / occupation				
2	Admission Process				
3	Faculty				
4	Educational Resources				
5	Library Facilities				
6	Infrastructure and Lab Facilities				
7	Examination Process				
8	Sports Facility				
9	Overall Rating				

Please provide your valuable suggestions for improvement of the institute-

……

……_

Place:

Date: Signature

Name:

Contact No:

Students Feedback Form

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

Discipline in case of PG Degree :

Name of the Student : Registration No. :

Year of Admission : Semester:

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development				
2	Content of Syllabi of the Courses				

3	Extent of Syllabi covered in the Class				
4	Delivery of Content in the Class				
5	Regularity and Sincerity				
6	Subject Expertise				
7	Linking Theory with Examples and Practices				
8	Accessibility for Interactions				
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching				
10	Encouragement for Out of the Box and Innovative Thinking				
11	Encouragement for Co-Curricular and Extra-Curricular Activities				
12	Over all Learning Experience with the faculty				
Sr.	**How do you rate the following**	**Excellent**	**Very Good**	**Good**	**Satisfactory**
Academic Activities					
1	Seminars				
2	Special Lectures /Guest Lectures/Virtual Lectures				
3	Handson Training/ In-plant Training for Academic Enhancement				
4	Class Presentations/ Projects/ Workbooks				
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching				
6	Multidisciplinary Projects/ Live Projects				
7	Industrial Attachment and Experiential Learning Program				
8	Placement Cell Activities				
9	NSS / NCC Activities				
Infrastructural Facilities					
1	College Website				
2	Class room Infrastructure				
3	Girls Common Room (only for female students)				
4	Drinking water facility				
5	Washroom Cleanliness and maintenance				
6	Greenery in the college campus				
7	Cleanliness and maintenance of college premises				

Any other **SUGGESTIONS** :

……

……

……

……

Place:

Signature of the Student

Name:

Mobile No:

Parent's Feedback Form

1. Name of the parent and relation with student: ----------
2. Name of students with Reg. No. Degree Prog.: ----------
3. Address of the parent: ----------

   ---

4. Name of Student's Adviser: ----------
5. Purpose of visit: ----------
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: ----------

   ---

   ---
9. Parent's suggestion for improvement

Signature of parent
Contact No. ----------

Farmers/Farmers' Group / S.H.G. / F.P.O. Feedback Form

1. Name of the farmer / Farmers' Group. : ----------
2. Address of the farmer/Farmers' Group. : ----------

   ---
3. Date of Visit to college / Dept. / Unit. : ----------
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: ----------
   ---
6. Name of Attending scientist / Faculty / Technical Person: ----------
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: ----------
8. Farmers general opinion about College / Unit / Department.

Signature
Contact No. ----------

Industry Feedback Form

1. Name and address of Company / Industry: ----------
2. Name of officer/ representative with designation: ……..

3. Purpose of visit: ----------
4. Looking for specific Department / unit / technology of college: ----------
5. Please specify if you need any specific consultancy/collaboration/ hands on / demonstration / trail of any technology/ machine:

   ……

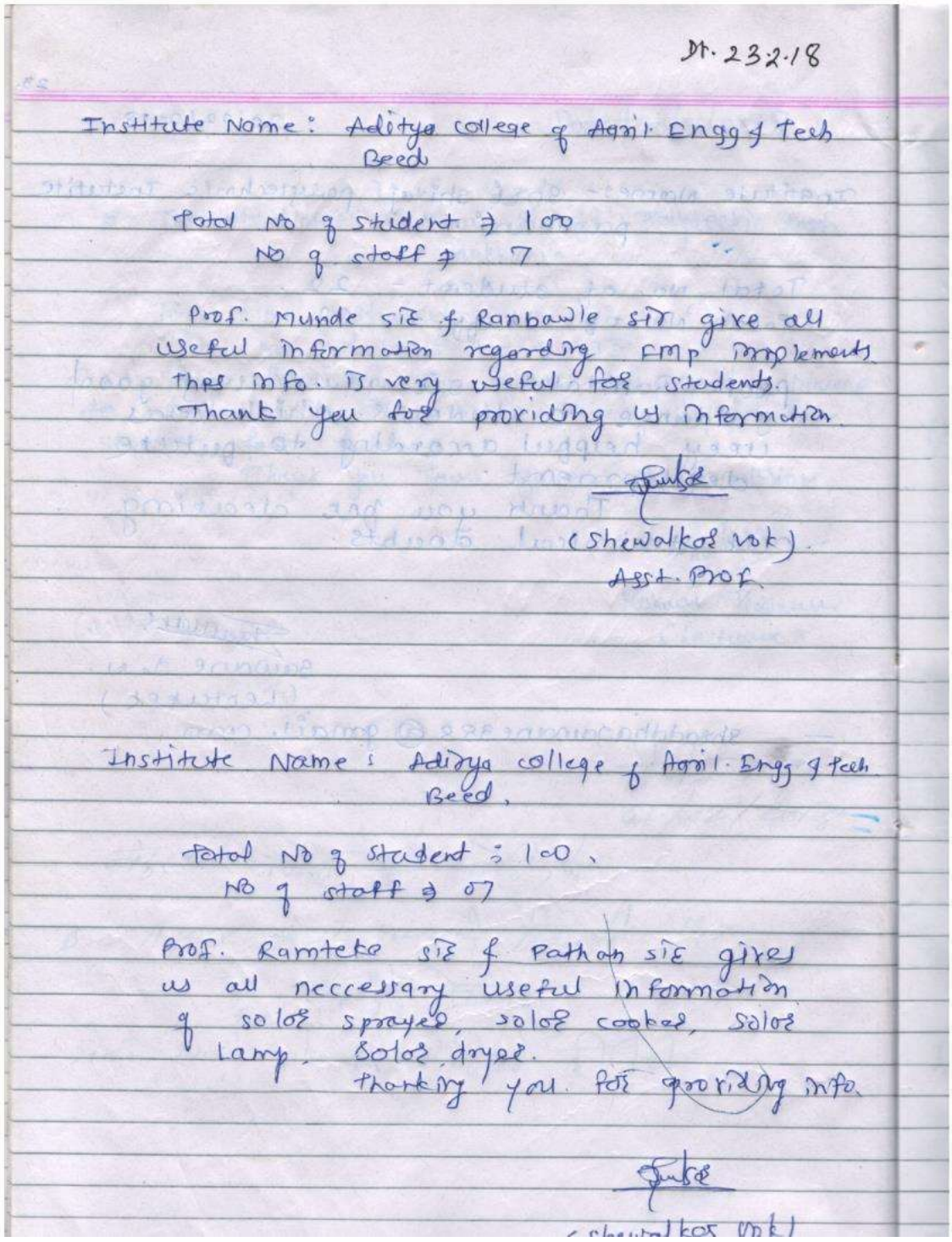
6. Satisfied with the discussion/ demonstration/ trail: **Yes / No**
7. Please mention the outcome of your visit:
8. Please give your comments/ suggestions for improvements in the existing technology / machine

---

Signature.

Contact. No. ----------

Sample feedback is presented below:



Dt. 23.2.18

Institute Name: Aditya college of Agril. Engg & Tech Beed

Total No of student = 100
No of staff = 7

Prof. Munde sir & Ranbawle sir give all useful information regarding FMP implements. This info. is very useful for students.
Thank you for providing us information.

(Shewalkar vak).
Asst. Prof.

Institute Name: Aditya college of Agril. Engg & Tech. Beed.

Total No of student : 100.
No of staff = 07

Prof. Ramteke sir & Pathan sir gives us all neccessary useful information of solar sprayer, solar cooker, solar lamp, Solar dryer.
Thanking you for providing info.

Date 12/10/18

Total No of student = 60
No of staff = 02

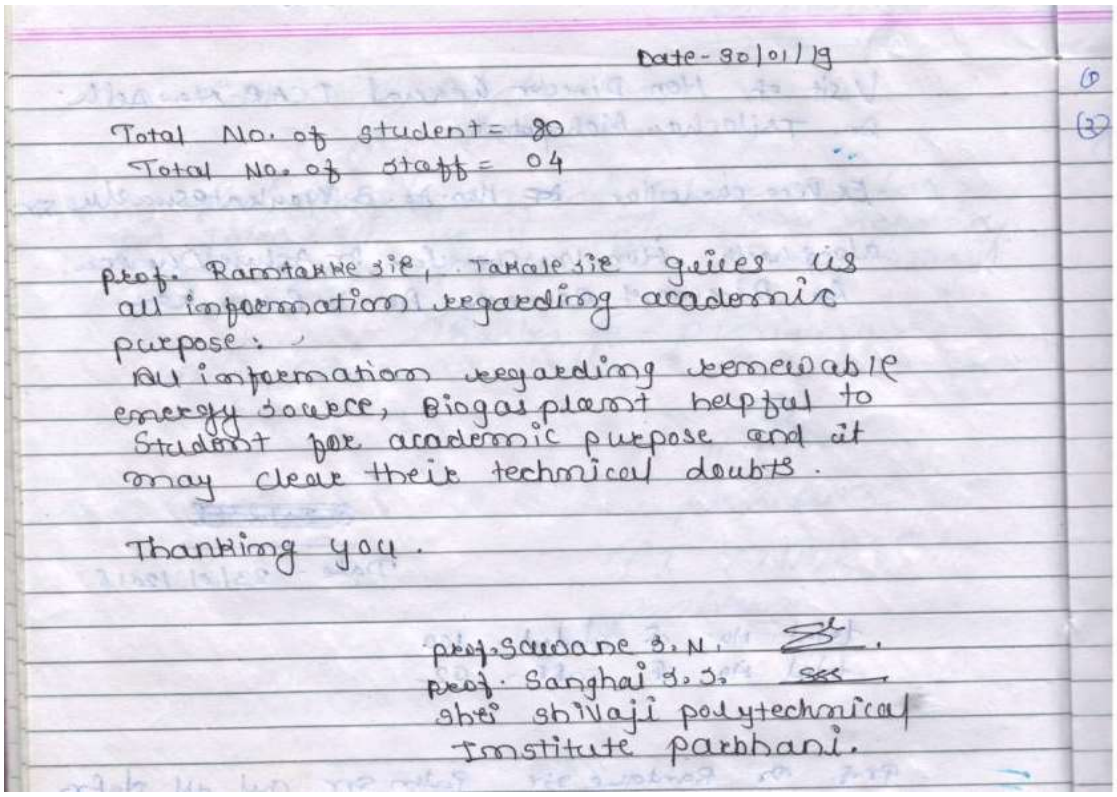
Prof Ramteke sir and Takale sir both sir gives all useful information regarding solar energy park. this is very useful for students. Thanks for providing information

Patil S.M.
CFT VNMKV
parbhani

Prof. Dr. Ramteke sir, Palm sir and all staffs are guided me as pars required these Renewable solar energy is help full for day to day life and very good guided as par MSBTE syllabus me req. it

thanks for providing information

Jadhav SL
Kale HB
Shree shivaji polytechnic parbhani



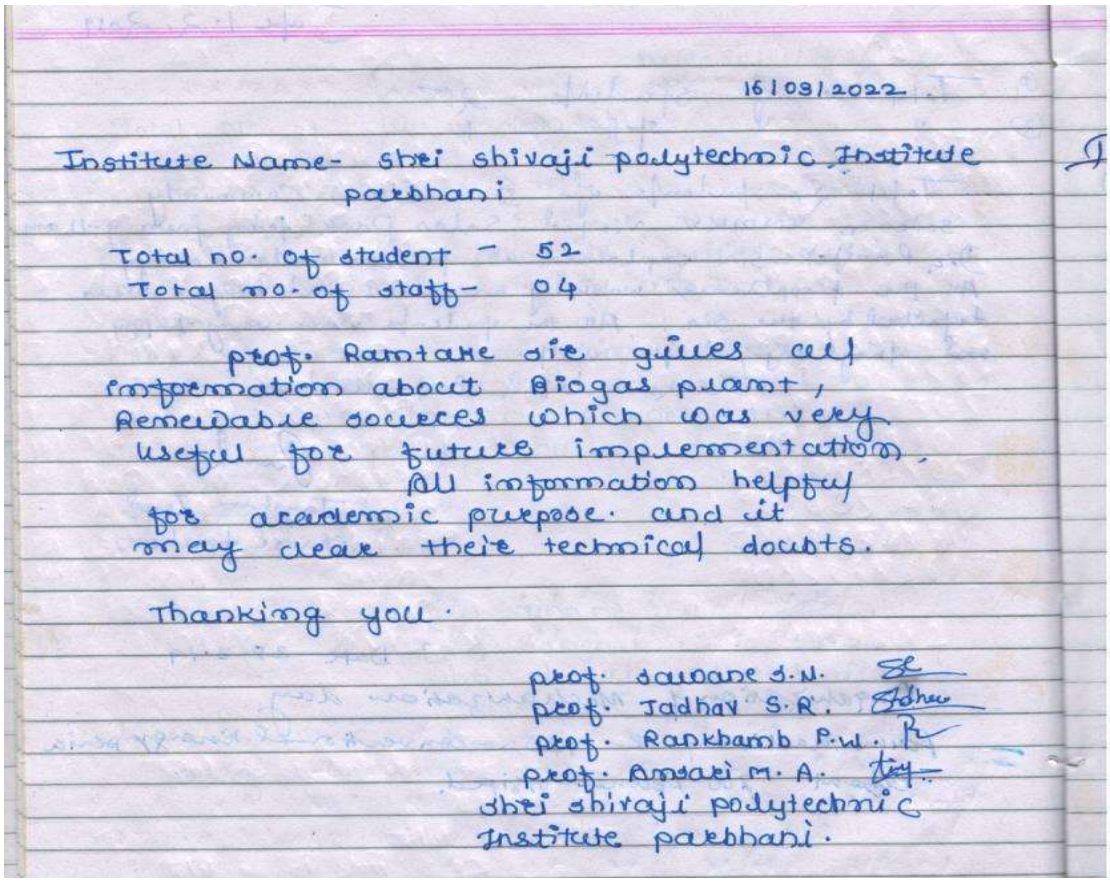
Date- 30/01/19

Total No. of student = 80
Total No. of staff = 04

prof. Ramtarke sir, Tarale sir gives us all information regarding academic purpose:
All information regarding renewable energy source, Biogas plant helpful to student for academic purpose and it may clear their technical doubts.

Thanking you.

prof. Sawoane S. N.
prof. Sanghai S. S.
shri shivaji polytechnical Institute parbhani.



16/09/2022

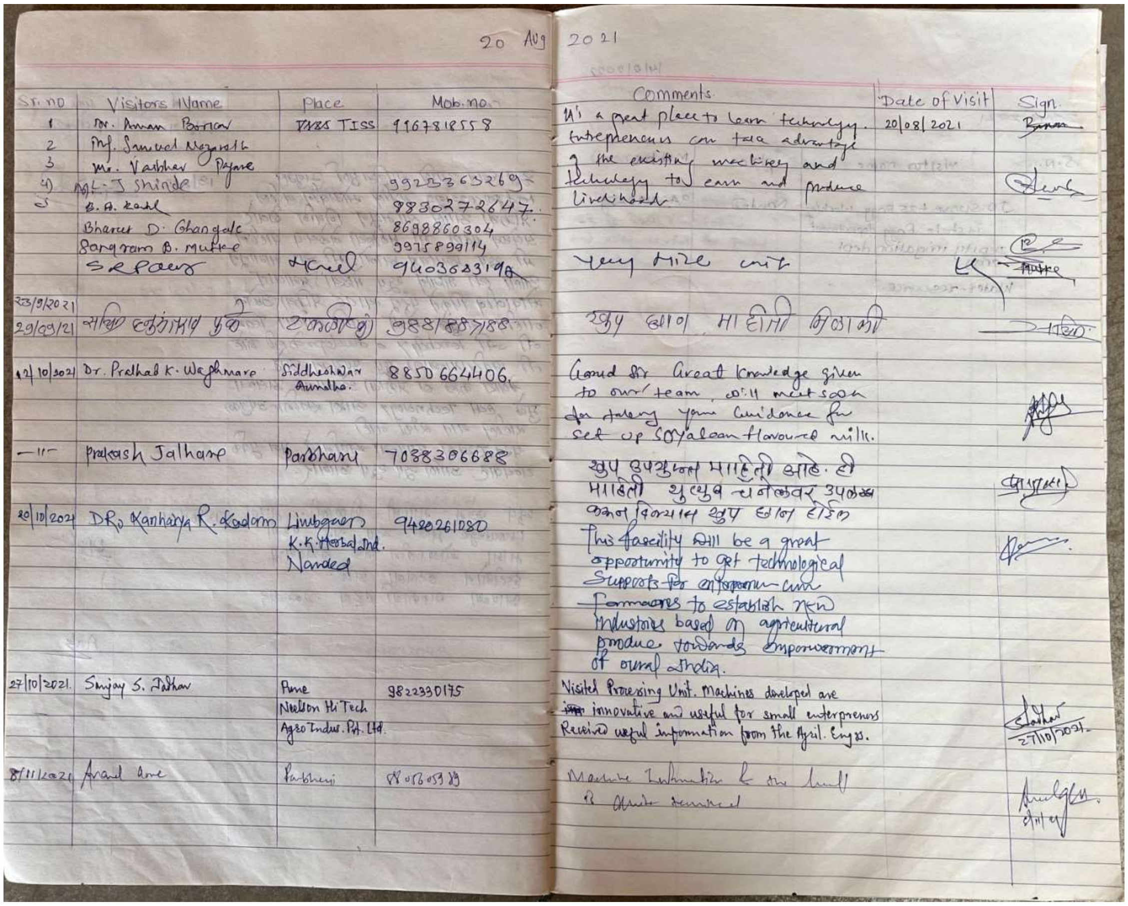
Institute Name- shri shivaji polytechnic Institute parbhani

Total no. of student - 52
Total no. of staff - 04

prof. Ramtake sir gives all information about Biogas plant, Renewable sources which was very useful for future implementation. All information helpful for academic purpose. and it may clear their technical doubts.

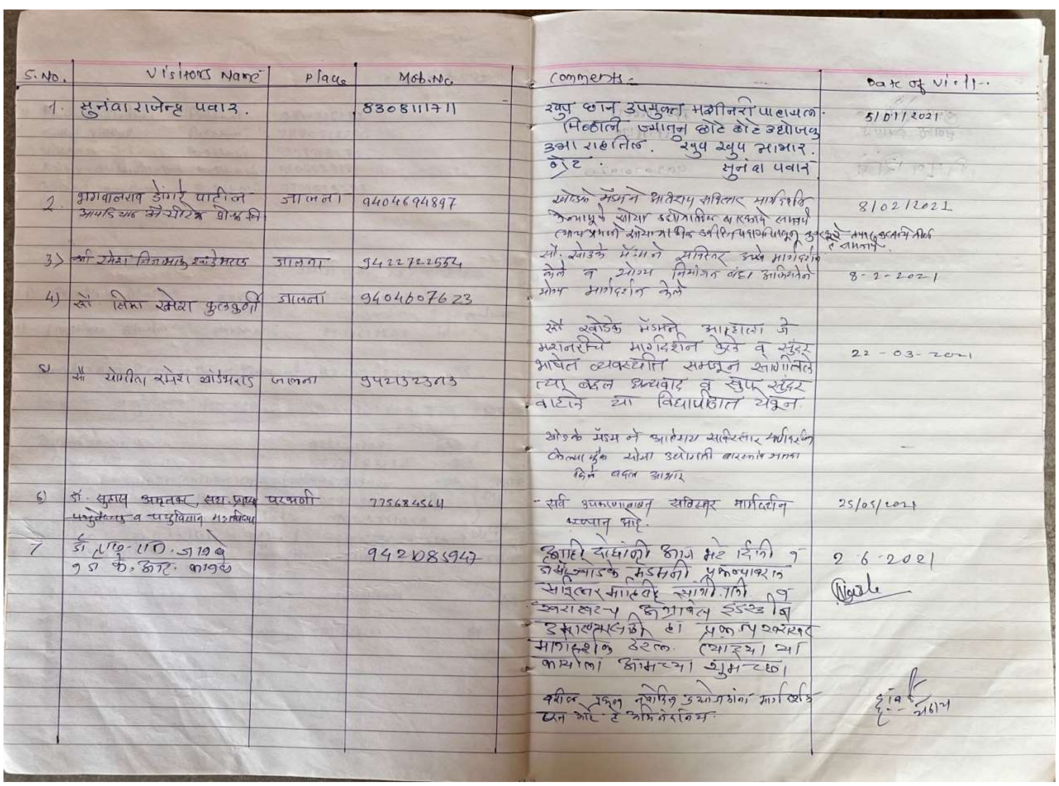
Thanking you.

prof. sawoane S.N.
prof. Jadhav S.R.
prof. Rankhamb P.W.
prof. Ansari M.A.
shri shivaji polytechnic Institute parbhani.

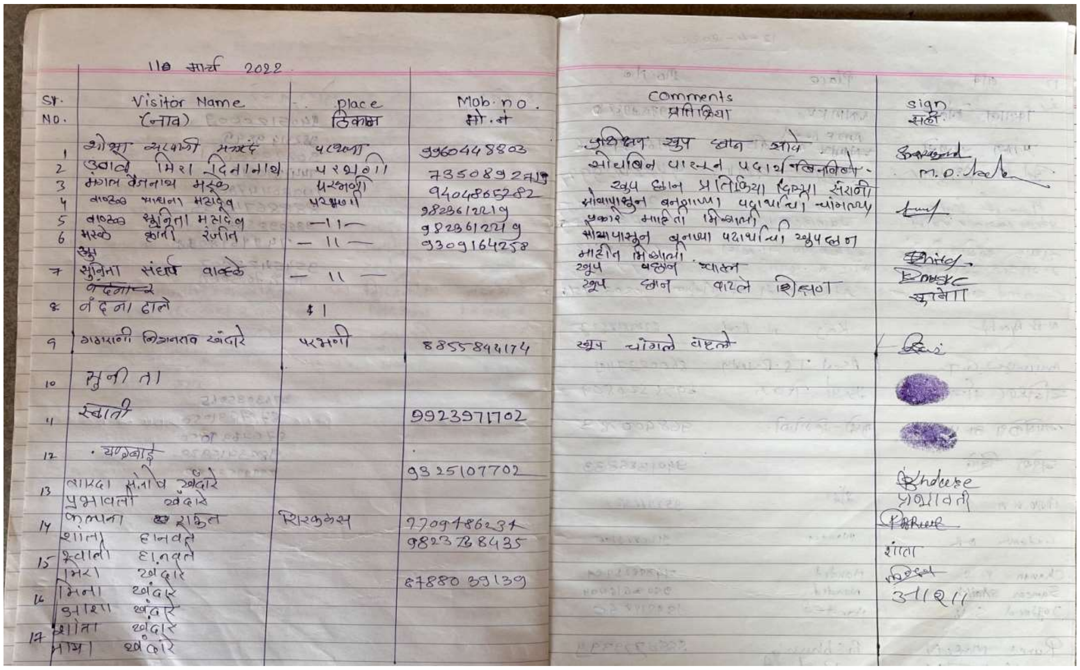


20 Aug 2021

Sr. no	Visitors Name	Place	Mob. no.	Comments	Date of Visit	Sign.
1	Mr. Aman Borkar	TISS	9167818558	It's a great place to learn technology. Entrepreneurs can take advantage of the existing machinery and technology to earn and produce livelihood.	20/08/2021	
2	Prof. Samuel Nazareth					
3	Mr. Vaibhav Pajare					
4)	Mr. J Shinde		9923363269			
5	B. A. Kadl		8830272647			
	Bharat D. Ghangale		8698860304			
	Sangram B. Mutke		9975899114			
	S R Pawar		9403683198	Very nice unit		
23/9/2021, 29/09/21				खुप छान माहीती मिळाली		
12/10/2021	Dr. Prahlad K. Waghmare	Siddheshwar Aundha	8850664406	Good & Great knowledge given to our team, will meet soon for taking your Guidance for set up Soyabean flavoured milk.		
—"—	Prakash Jalhare	Parbhani	7088306688	खुप उपयुक्त माहिती आहे. ही माहिती युट्युब चॅनलवर उपलब्ध करून दिल्यास खुप छान होईल		
20/10/2021	DR. Kanhaiya R. Kadam	Limbgaon K.K. Herbal Ind. Nanded	9420261080	This facility will be a great opportunity to get technological supports for entrepreneurs and farmers to establish new industries based on agricultural produce towards empowerment of rural India.		
27/10/2021	Sanjay S. Jadhav	Pune Neelton Hi Tech Agro Indus. Pvt. Ltd.	9822330175	Visited Processing Unit. Machines developed are innovative and useful for small enterprenurs. Received useful information from the Agril. Engg.	27/10/2021	
8/11/2021	Anand Arne	Parbhani	[illegible]	[illegible]		

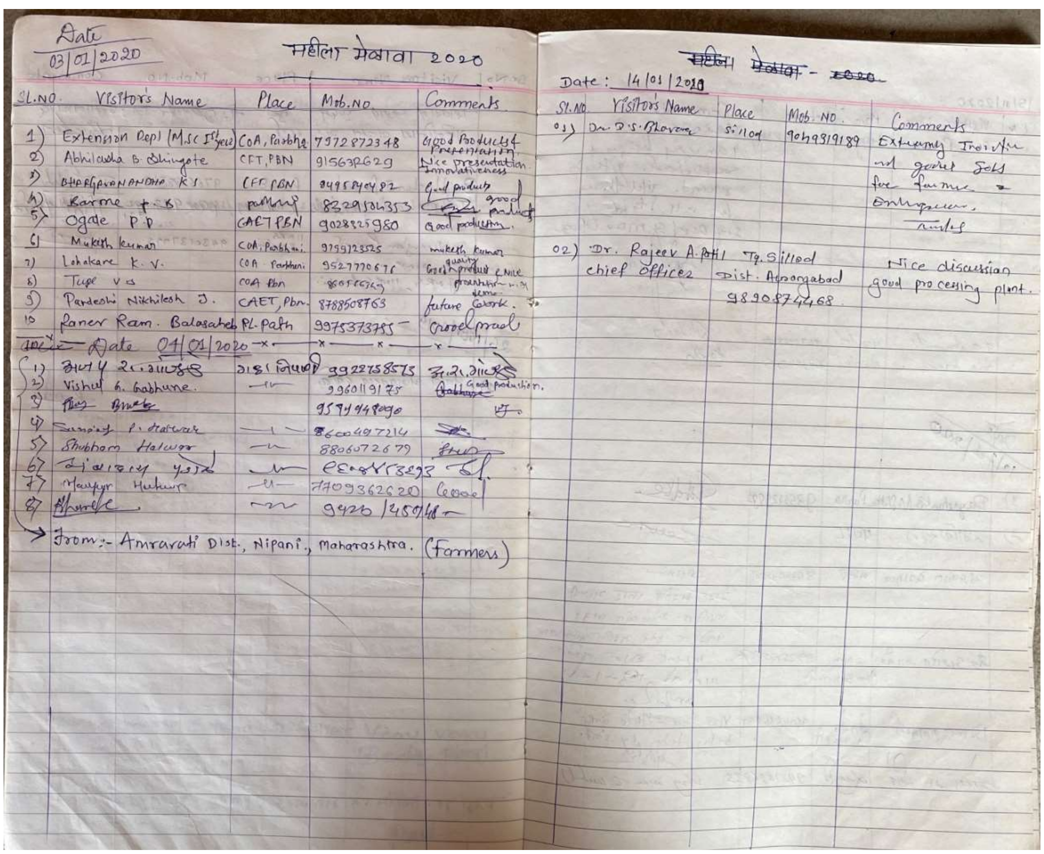


S. No.	Visitors Name	Place	Mob. No.	Comments	Date of Visit
1	सुनंदा राजेन्द्र पवार		8308117711	खुप छान उपयुक्त मशीनरी पाहायला मिळाली. ज्यातून छोटे छोटे उद्योजक उभा राहतील. खुप खुप आभार.	5/01/2021
2	भागवतराव डोंगरे पाटील	जालना	9404694897	[illegible]	8/02/2021
3)	[illegible]	जालना	9422722554	[illegible]	8-2-2021
4)	सौ. [illegible] कुलकर्णी	जालना	9404607623		
5	सौ. [illegible]	जालना	9421323283	[illegible]	22-03-2021
6)	डॉ. [illegible]	परभणी	7756845611	[illegible]	25/05/2021
7	डॉ. [illegible]		9421083947	[illegible]	2-6-2021



११ मार्च 2022

Sr. No.	Visitor Name (नाव)	place ठिकाण	Mob. no. मो. नं	Comments प्रतिक्रिया	sign सही
1	शोभा [illegible]	परभणी	9960448803	प्रशिक्षण खूप छान आहे सोयाबिन पासून पदार्थ [illegible]	[illegible]
2	उबाळे मिरा दिनानाथ	परभणी	7350892[illegible]	खूप छान प्रतिक्रिया [illegible]	M.D. [illegible]
3	मगर [illegible]	परभणी	9404865282	[illegible]	
4	[illegible] महादेव	परभणी	9823612219	[illegible]	[illegible]
5	[illegible] महादेव	—॥—	9823612219		
6	मस्के [illegible]	—॥—	9309164258	माहीत मिळाली	
7	सुनिता संघर्ष वाव्हळे	—॥—		खूप [illegible]	[illegible]
8	वंदना ढाले	॥		खूप छान वाटले शिकणं	[illegible]
9	[illegible] खंदारे	परभणी	8855894174	खूप चांगले वाटले	[illegible]
10	सुनीता				[thumb impression]
11	स्वाती		9923971702		[thumb impression]
12	[illegible]				
13	शारदा संतोष खंदारे / प्रभावती खंदारे		9325107702		[illegible] / प्रभावती
14	कल्पना राठोड / शांता हानवते	[illegible]	7709486234 / 9823788435		[illegible] / शांता
15	स्वाती हानवते / मिरा खंदारे		8788039139		[illegible]
16	मिना खंदारे / आशा खंदारे				आशा
17	शांता खंदारे / माया खंदारे				



Date 03/01/2020

महिला मेळावा 2020

Sl. No	Visitor's Name	Place	Mob. No	Comments
1)	Extension Dept (M.Sc I year)	COA, Parbhani	7972872348	Good Products Presentation
2)	Abhilasha B Shingote	CFT, PBN	9156392629	Nice presentation innovativeness
3)	[illegible]	CFT PBN	9495[illegible]	Good products
4)	Karme T. B	[illegible]	8329504353	good product
5)	Ogale P. D	CAET PBN	9028225980	Good production
6)	Mukesh kumar	COA, Parbhani	9759[illegible]	mukesh kumar
7)	Lohakare K. V.	COA Parbhani	9527770676	Good quality product & nice
8)	Tupe V. S	COA Pbn	8605[illegible]	[illegible]
9)	Pardeshi Nikhilesh J.	CAET, Pbn.	8788508763	future work
10	Paner Ram. Balasaheb	PL. Path	9975373755	Good prod.

Date 04/01/2020

Sl. No	Visitor's Name	Place	Mob. No	Comments
1)	[illegible]	[illegible]	9922758573	[illegible]
2)	Vishal G. Gabhune	—॥—	9960119175	Gabhune Good production.
3)	[illegible]		9579448090	
4)	Sanjay [illegible]	—॥—	8600497214	
5)	Shubham Halwar	—॥—	8806072679	
6)	[illegible]	—॥—	[illegible]	
7)	Mayur [illegible]	—॥—	7709362620	Good
8)	[illegible]	—॥—	9420 / 45848	

From:- Amravati Dist., Nipani, Maharashtra. (Farmers)

महिला मेळावा

Date: 14/01/2020

Sl. No	Visitor's Name	Place	Mob. No.	Comments
01)	Dr. D. S. [illegible]	Sillod	9049919189	Extremely Innovative and good sets for farmers & entrepreneurs.
02)	Dr. Rajeev A. Patil, chief officer	Tq. Sillod, Dist. Aurangabad	9890874468	Nice discussion good processing plant.

Table 11 : Feedback of Students

S. No	Name of students	Mode of communication	Date	Concern	Action taken
1	Satpute Ajay	Discussion	12/9/2018	Wall Clocks in Examination Hall	Wall clocks are installed
2	Raut P.P.	Discussion	11/8/2018	Extra classes for Mathematics for repeaters	Extra classes are conducted
3	Mane R.V.	Discussion	11/8/2018	Streetlight on Hostel Road	Streetlights on hostel road are installed.
4	Girls Students	Discussion	11/8/2018	Separate training for Tractor Driving	Special camp was arranged for girl students.
5	S.M.Chandan	Discussion	11/8/2018	Request for Analysis soft ware	Surfer software was procured
6	Final year students	Discussion	15/12/2018	Request for Personality development training	Training was conducted
7	Final year students	Applications	-	Request for deputing for in-plant training in the interested field.	Students are very much satisfied with their allocation to the desired area of interest and the standard of the institute deputed for in-plant training. Most of the students acquire the professional skills and secured employment in the related area of in-plant training institute.
8.	Final year students	Opinion	-	Satisfaction regarding In-plant training	Some students expressed great satisfaction towards the way of training imparted to them and hospitality extended to them during the training period by the respective institute.

Table 12 : Feedback of Parents

S. No	Name of Parents	Mode of communication	Date	Concern	Action taken
1	Madhav Chendge	Discussion	15/7/2018	Facilities at Girls Hostel	Facilities are provided.
2	Lokare Laxman	Discussion	16/9/2018	Results to be conveyed to parents	Results are being conveyed
3	Anantrao Sangle	Discussion	20/12/2018	Drinking water facility should be made available	RO plant and water coolers are provided in hostel.
4	Nivaruti More	Discussion	20/12/2018	Security at hostel	Installed CCTV camera
5	Vishwanath Mujmule	Discussion	25/2/2019	Career development guidance	Placement cell is in operation with regular activities

Table 13 : Feedback of Faculty

Sr. No	Name of Faculty	Mode of communication	Date	Concern	Action taken
1	V.M. Bhosale	Discussion	21/11/2018	Renovation of Staff Room in BSCT	Renovation work has been undertaken.
2	V.K. Ingle	Discussion	22/8/2018	Provision of printer	Printer is purchased
3	P.G. More	Discussion	21/8/2018	Labour at girls hostel	Female labour for Girls' hostel are provided
4	S.D. Vikhe	Discussion	5/12/2018	Demanded benches in hostel premises	Benches are provided at hostel

Table 14 : Feedback of Farmers

Sr. No	Name of Farmer	Mode of communication	Date	Concern	Action taken
1	Sandip Tengase	Personal visit	17/09/2018	Soybean milk processing	Guidance was provided
2	Vinayak Karde	Personal visit	20/09/2018	Enquiry regarding soya milk plant	Information regarding soymilk plant was given
3	Bomble Vaijanath	Personal visit	06/03/2019	Availability of machinery	Information regarding machinery

				for soya processing	was given.
4	Chavan Jaideep	Personal visit	14/06/2019	Soya product	Information about soy products and processing machinery is given.
5	Ganesh Hingmire Patent Officer	Personal visit	22/07/2019	Feedback as nice experience and wonderful inventions	Information developed processing technology was given.
6	Sandeep Dixit	Personal visit	03/09/2019	Packaging of soya paneer	Information regarding packaging technology of soypaneer was given.
7	R. B. Dayma	Personal visit	28/06/2021	Enquiry of Processing plant for soyoil and soymeal	Furnished information of processing plant for soyoil and soymeal
8	Mauli Pardhe	In person visit to ELP	08/07/2021	Mashroom/ Onion Dehydration issue	Given information on blanching and demonstrated with his samples
9	Nitin kale	Personal visit	13/08/2021	Enquiry regarding Food processing machinery dal mill	Information of dal mill was given.
10	Ramkisan Ghuge	In person visit to ELP	05/10/2021	Soya Paneer preparation issue	Demonstration was given during the practical class
11	J. D. Surve	Personal visit	14/02/2022	ELP unit is useful for training to students	Information of ELP unit for training was given
12	Shivaji Kachwe	Telephone	13/07/2022	Dal Milling issues	Given demonstration on Dal Milling at ELP
13	Santosh Barahate	In person visit to ELP	10/10/2022	Turmeric leaf oil extraction	Demonstrated steam distillation method of turmeric leaf oil extraction
14	Hanuman Shisode	In person visit to ELP	02/01/2023	Turmeric leaf oil extraction	Demonstrated steam distillation method of turmeric leaf oil extraction

15.	Dr. Vinayak Magar At SonnaTq. Sailu	Personal visit	17/5/2018	Clogging of emitters	Gave the information on reclamation and prevention measures for emitter clogging.

Table 15: Feedback of Entrepreneurs

Sr. No	Name of Entrepreneur	Mode of communication	Date	Concern	Action taken
1	Amol Harkal	Personal visit	26/12/2018	Enquiry regarding process technology popped and puffed products	Information of electrically operated multigrain popping cum puffing machine was given.
2	Sanjay Hatwar	Personal visit	04/01/2020	Enquiry for popping/ puffing of grain.	Information of popping/puffing machinery was given.
3	Dr. D. S. Bhawar	Personal visit	14/01/2020	Enquiry regarding processing machinery suitable for women.	Information of suitable processing technologies for start-ups for women was given.
4	Yogita Khandebharad	Personal visit	22/03/2020	Electrically operated roaster for popping of multigrain	Information of roaster was given.
5	Dr. Kanhaiya Kadam	Personal visit	20/10/2021	Enquiry new industries based on agricultural produce.	Information of technology support for new industries based on agricultural produce was given.
6	Vijay Jadhav	Personal visit	26/06/2022	Multigrain roaster	Information of roaster was given.
7	Avinash Tidke	Personal visit	27/09/2022	Processing of multigrain	Information was given regarding machinery available for popping/ puffing of multigrain.
8	Mahesh Mohagaonkar, Basmat	Visit to Manufacturers plant at Basmat	02/08/2022	Turmeric boiler mountings and	Guided about usage of certified mounting and accessories.

				accessories related	
9	Tanpure, Padmati boilers Basmat	In person visit to the Department	16/09/2022	Turmeric boiler capacity related issues	Helping in design of advance boilers
10	Madhav Barse, Malegaon	In person visit to the Department	29/07/2022	Turmeric boiler certification issue	Given information about boiler regulating Government agency

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

Table 16 : Student intake and attrition of UG programme.

Batch	B. Tech. Agril. Engg.							
	Students admitted				Attrition (%)			
	M No.	%	F No.	%	M No.	%	F No.	%
2018-2019	46	75.40	15	24.60	02	4.34	01	6.66
2019-2020	52	76.47	16	23.52	02	3.84	00	0.0
2020-2021	44	62.50	20	31.25	00	0.0	00	0.0
2021-2022	45	78.94	12	21.05	01	2.22	00	0.0
2022-2023	21	53.84	18	46.15	00	0.0	02	11.11

6.4.9 ICT Application in Curricula Delivery

The College has a well-established Computer Lab with 24 thin clients, Wi-Fi and printing facilities. The smart classrooms are equipped with LCD projectors for power point presentations. The departmental facilities are provided to students for presentation of class reports and seminars. Course teachers used Agricultural Engineering e-resources and shared audio video lectures and Power Point Presentations for effective teaching learning process.

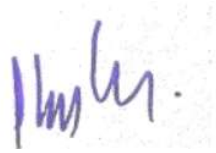
Smart Classroom

Following ICT tools are used in smart classrooms and laboratories for teaching and conducting demonstrations and Practical of UG courses.

1. Desktop and Laptop
2. Printer
3. Interactive White Board
4. Interactive Projector- Kayon
5. Digital Podium
6. Digital Camera
7. Wireless Microphone for Convenience
8. Multimedia Pens/Stylus
9. Speakers

Certificate

I, Dr. U. M. Khodke, **Dean** College of Agricultural Engineering & Technology, Parbhani hereby certify that the information contained in section 6.4 and Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

6.4 Self-Study Report of the PG Programme

Master of Technology

(Agricultural Engineering) in

1) Irrigation and Drainage Engineering

6.4 Self Study Report of PG programmes

6.4.1 Brief history of PG programmes

The post-graduate programme leading to M. Tech. degree is started during the year 1998 in Soil and Water Conservation Engineering and Later on in other in three disciplines viz. Agricultural Process Engineering, Farm Machinery and Power Engineering, Irrigation and Drainage Engineering during 2002-03. The post-graduate programme leading to M.Tech. degree in Irrigation and Drainage Engineering was started in 2002.

The new and restructured PG programmes in Agricultural Engineering and Technology recommended by National Core Group of ICAR, New Delhi is being implemented from 2009-10 onwards. Since few academic staffs were deputed for higher studies, the intake capacity of the M. Tech. programme was reduced to two students in 2018-19 and it was assumed as 4 students per disciplines afterwards.

The existing contents of M. Tech syllabus was examined critically, restructured and updated keeping in view the latest developments in the subject areas.

Mission and Goals

Mandate of the College

The institute is working with three mandates of education, research and extension in which the institute imparts quality education, conducts applied research and transfers Agricultural Engineering technologies to farmers and students.

Mission Statement

To impart professional knowledge and skills to students to empower them for self -employment

Goals

- To meet the needs of farmers, industries, R & D organizations and educational institutions.
- To develop capabilities among the students for their overall professional development and make them updated to face the future challenges in agriculture.
- Continuing education to impart for re-engineering on socio-economic systems in the light of global technology changes.

Objectives

- To educate postgraduates in the field of agricultural engineering so as to prepare them as leaders in industry and profession.
- To upgrade the laboratories and infrastructure facilities as per the requirements of syllabus for providing quality education to PG students.
- To conduct need-based quality research by applying engineering principles to solve the problems of agricultural eco-system and also making sincere efforts to transfer the agricultural engineering technologies for empowerment of students and farmers.
- To update the faculty by exposing them to advanced trainings and higher studies.
- To establish Institute-Industry linkages.
- To establishcollaborations through MoUs with various research organizationsand institutes, to conduct innovative research.

Table 1: M.Tech. (Agril. Engg.) degree programmes offered with duration

Programme	Name of the Disciplines	Year of Establishment	Duration
M. Tech. (Agril. Engg.)	Irrigation and Drainage Engineering	2002-2003	2 Year (4 Sem.)

Salient features of organization of course contents and credit requirements:

Code Numbers

- All courses are divided into series: 500-series courses pertain to Master's level
- Credit seminar for Master's level is designated by code no. 591.

- Similarly the 599 have been given for Master's research.

Course Contents

The contents of each course are organized into:

- Objective - to elucidate the basic purpose.
- Theory units - to facilitate uniform coverage of syllabus for paper setting.
- The list of journals pertaining to the discipline is provided at the end of course content which is useful as study material for 500-series courses as well as research topics.
- E-Resources are provided for quick update on specific topics/events pertaining to the subject.
- Broad research topics provided at the end would facilitate the advisors for appropriate research directions to the PG students.

Major courses: The subject discipline (Department) in which the students take admission

Minor courses: The subject closely related to student's major subject.

Supporting courses: The subject not related to the major subject. It could be any subject considered relevant for student's research work.

Non-Credit Compulsory courses: Six courses (PGS 501 to PGS 506) are of general nature and are compulsory for Master's programme.

Minimum course and research credits requirement for the award of M. Tech. (Agril. Engg.) degree is given in Table 2.

Table 2: Minimum course and research credits requirement for the award of M. Tech. (Agril. Engg.) degree (till 2021-22)

Credit Distribution	M.Tech. (Agril. Engg.)
Major courses	20
Minor courses	09
Supporting Courses	05
Seminar	01
Research Work	20
Non-credit compulsory courses	06
Total	**55**

Minimum Credit requirement as per BSMA syllabus implemented from 2022-23

Course Details	M.Tech. (Agril. Engg.)
Major Courses	20
Minor Courses	08
Supporting/Optional	06
Common PGS Courses	05
Seminar	01

Research	30
Total	**70**

Course structure of Master's Programme as per BSMA Syllabus (2022-23)

6.4.2 Faculty Strength

For smooth conduct of PG degree programme, in addition to the faculty members at College of Agricultural Engineering and Technology, services of faculties of Agricultural Engineering working under various establishments in the campus such as Agriculture Colleges and research stations of the University are being engaged for course work and research work.

For fulfilling the requirements of supporting special and non credit compulsory courses of PG programme, common arrangements are made at the University level.

Table 3 : Faculty position of Department of Irrigation and Drainage Engineering

Sr. No.	Post	Sanc. post	Filled Post	Vacant	Faculty Recommended by the ICAR regulatory body	Deviations (%)	Remarks
01.	Professor	0	0	0	1	100	Services of Teaching Staff from Agriculture, the research project & dept. of Agriculture Engineering COA, VNMKV, Parbhani & BSCT are spared and deputed to support the teaching and research activities of PG programme at CAET.
02.	Associate Professor	1	0	0	2	50	
03.	Assistant Professor	2	2	0	3	33	

Major / Minor / Dual / Guest / Adhoc Faculty for Different Departments:

Sr. No.	Major Faculty	Minor Faculty	Dual Faculty	Guest / Adhoc Faculty	Other University Staff
01.	Dr. H.W. Awari	Prof. B.W. Bhuibhar	Dr. M.S. Pendke	--	(1) Prof. Bharti (Stat), (2) Dr. S.S. Kadam (Library Science), (3) Dr. P.S. Kapse (Ext. Education), (4) Dr. Suresh Waikar (Soil Science), (5) Dr. D.S. Perke (Economics)
02.	Dr. S.B. Jadhav	Dr. M.R. More			
03.	Dr. V.K. Ingle	Dr. S.D. Vikhe			
04.	Dr. U.M. Khodke	Prof. V.M. Bhosle			
05.		Dr. R.V. Shinde			

6.4.3 Technical and supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work/ workshop / farm work are in place at this college.

Table 4 : Technical and supporting staff of Department of Irrigation and Drainage Engineering

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body	Deviation (%)
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	01	00	01	02	00
4	Peon	-	-	-	01	100

6.4.4 Classrooms and Laboratories

Each department of Irrigation and Drainage Engineering has well developed PG classroom and well-equipped laboratories. The theory classes are conducted with the help of audio-visual aids like K-Yan, LCD projector, etc.

Practical are conducted in laboratories of the department, Field laboratories such as micro irrigation laboratory, green house structures, and farms of the research stations are being utilised for the demonstration of practical of PG courses. Computer laboratory, CAD-CAM laboratory and language laboratory are established in the college with software facilities like ARIS / LAN, A to Z Watershed software, Pro-E, ANSYS, MATLAB and Simulink, GIS and Design Expert and utilised for teaching and research work. Advanced equipments like total survey station, pump test rig, digital hardness test rig, Leaf area meter, water quality kit, Laser leveller, Water activity meter, Extruder, Electrically operated roaster, Universal testing machine and compression testing machine are available for practical and demonstration in the department.

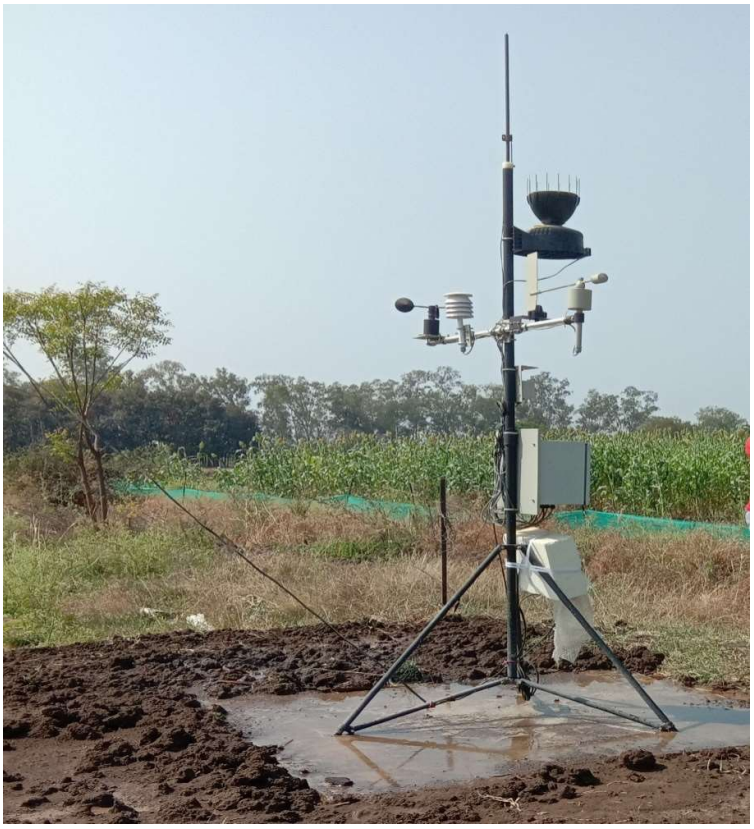
Lysimeter and Automatic Weather Station (AWS) Field Laboratory

The project on determination of crop coefficient of different crops using lysimetric studies is operational at the experimental farm of Department of Irrigation and Drainage Engineering. A lysimeter is a measuring device which can be used to measure actual amount of evapo-transpiration of plants by recording the amount of precipitation that an area receives and the amount of water lost through the soil and evapo-transpiration. Three lysimeters are installed at this experimental field. Data logger is provided to display the output of crop

water requirement and quantity of removal of drain water. Similarly Automatic Weather Station (AWS) is installed at the experimental farm to provide daily data of climatic parameters such as maximum & minimum temperature, relative humidity, rainfall, wind speed, wind direction, solar radiation and barometric pressure etc.

Visit \of former Vice-Chancellor Dr. A. S. Dhawan and Dr. U. M. Khodke, Dr. H. W. Awari, Dr. V. K. Ingle to field irrigation laboratory.

Lysimeter installed in cropped field



Automatic Weather Station installed in the field

Micro Irrigation Field Laboratory

College has developed micro irrigation field laboratory on 0.5 ha area. The laboratory has different micro irrigation system with filters (sand filter, screen filter, disc filter and hydro-cyclone filter). It is also equipped with ventury for introduction of liquid fertilizers, fertilizer tank and dozer pumps. The laboratory is also equipped with time based drip automation unit and is very useful for conducting M.Tech. programme practical on irrigation systems.

Remote Sensing and GIS laboratory

College has established Remote Sensing and GIS laboratory equipped with 04 PCs, furniture, internet facility and GIS software and other softwares like WMS, Terrset and Global Mapper. In addition to above the laboratories established under National Agricultural Higher Education Project (NAHEP) on use of drones, robots and AGVs for providing digital farming solutions are used for practical and demonstration and research of PG students.

Instructional and Research Farm

College has an instructional farm of 2.5 ha provided with irrigation facilities and mango plantations on 2 ha area and 12-compartment run-off plots are provided for facilitating conduct of practical and research projects of M. Tech. programme.

PG Classrooms

Separate classrooms for PG programme are established in the Dept. of Irrigation and Drainage Engineering

Laboratories

Table 5 : Details of Laboratories in Department of Irrigation and Drainage Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Irrigation Engineering Lab.	14.10	11.30	159	40
2	Fluid mechanics and Micro Irrigation Lab.	11.30	21.00	237	40
3	Micro Irrigation Field Lab.	100	100	10000	40
4	Geo-informatics Computer Lab.	3.00	4.00	12.00	10
5	Lysimeter-AWS Field Lab.	140	100	14000	40

Table 6: Details of list of equipments/instruments/implements

Sr. No.	Name of Equipment
Department of Irrigation and Drainage Engineering	
1	Oven, Tensiometer, Electrical Conductivity Meter
2	Double Ring Infiltrometer, pH Meter,
3	Water Quality Testing Kit
4	Sprinkler and Drip Irrigation System Components
5	Irrigation Water Measuring Devices (V-Notch, Parshall Flume, H-Flume, Orifice Plate)
6	Venturimeter, orifice meter setup, Parshall Flumes, Mouthpiece
7	Bernoulli's Theorem Apparatus
8	Meta-centric height Apparatus
9	Tilting flume apparatus
10	Current meter, Pan evaporimeter, Electrical resistivity meter
11	Different manometers
12	Different components of pumping unit: impellers, foot valves, etc.
13	Different flow control valves for pipe flow
14	Different types of pipes and pipe fittings

15	Pump test rig
16	Different models: water regulating structures in canal irrigation: head regulators, canal regulators, cross drainage works, etc
17	Water Quality Analysis kit
18	Flame Photo meter
19	Leaf Area meter
20	Drip Irrigation Automation Unit

6.4.5 Conduct of Practical and Hands on Training:

Conduct of Practical

The practical and hands on training are conducted in the laboratories of respective departments and field allocated to concern department. The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the respective laboratories, on farm, workshops, ELP unit, solar energy park, Micro irrigation laboratory, farm ponds, green house and shade net structures. The techniques are demonstrated to the students and actual experiments are performed.

Hands on Training

The students are deputed to different industries such as Irrigation, NGO's, Research Organizations for advanced training for the period of three weeks for M. Tech. programmed to get exposure. The training constitutes practical activities such as production process, quality testing, measurements and research and developmental activities to promote their innovative ideas and skills. Students acquire skills through hands-on practice. The students are also exposed to marketing and management activities of various enterprises. Training helps the students to minimize the gap between theoretical knowledge and practical applications. The students also get an idea for planning and execution of their PG research work.

6.4.6 Supervision of students in M. Tech. programme

One supervisor (guide) is allotted to every PG Student for supervision of research work. The supervisor monitors academic and research activities of students through Student Advisory Committee.

Table 7: Details of students allotted for supervision of research work in the M. Tech. degree programme

Sl. No.	Year	IDE Dept.
1	2018-19	02
2	2019-20	03
3	2020-21	03
4	2021-22	04
5	2022-23	02

Table 8 : Details of students allotted for supervision of research work in the M. Tech. degree programme (Department of IDE)

S. No.	Year	Name of Faculty	No of Students
1	2018-19	Dr. H.W. Awari Dr. V.K. Ingle	01 01
2	2019-20	Dr. V.K. Ingle Dr. S.B. Jadhav Dr. U.M. Khodke	01 01 01
3	2020-21	Dr. H.W. Awari Dr. S.B. Jadhav Dr. U.M. Khodke	01 01 01
4	2021-22	Dr. S.B. Jadhav Dr. V.K. Ingle Dr. H.W. Awari Dr. S.D. Vikhe	01 01 01 01
5	2022-23	Dr. V.K. Ingle	01

6.4.7 Feedback of stakeholders (Students and parents, industries, etc.)

College has well defined feedback mechanism of different stakeholders i.e. students, parents and industries. Real feedback of the students was also collected frequently from the suggestion and complaint box placed near Associate Dean and Principal office. Regular students-parents meeting with college authorities were organized to take feedback from the parents. Employers are encouraged to give their feedback during monthly meetings while farmers suggestions and feedback were taken directly through regular inward procedure. College authority has taken action as per rules on the issues raised in the feedback of stakeholders.

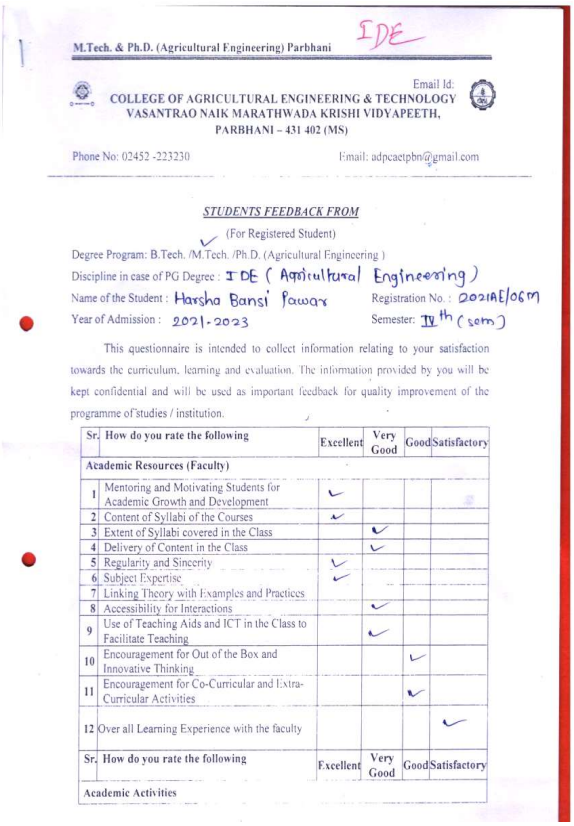
Student's Feedback Mechanism:

- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Student are submitting the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the college in developing both academic and non-academic facilities.
- In addition the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized and specific suggestions are discussed in the monthly meeting. The suggestions and feedbacks are addressed by the concerned college committee.
- Feedbacks are also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedbacks are also will be taken up by in the Faculty Meeting to formulate policies.

Students' Feedback



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

IDE

Email Id:

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

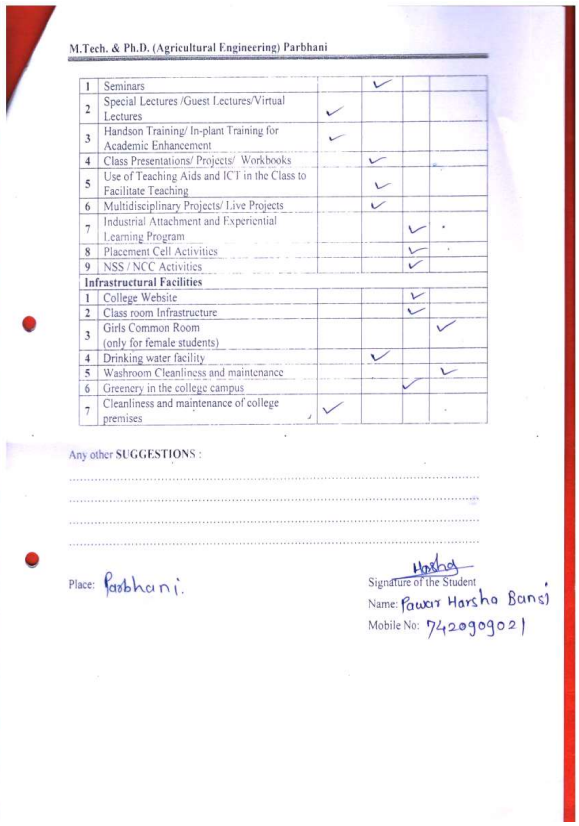
Discipline in case of PG Degree : IDE (Agricultural Engineering)

Name of the Student : Harsha Bansi Pawar Registration No. : 2021AE/06M

Year of Admission : 2021-2023 Semester: IV th (sem)

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class		✓		
4	Delivery of Content in the Class		✓		
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices				
8	Accessibility for Interactions		✓		
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking			✓	
11	Encouragement for Co-Curricular and Extra-Curricular Activities			✓	
12	Over all Learning Experience with the faculty				✓
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities					



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars		✓		
2	Special Lectures /Guest Lectures/Virtual Lectures	✓			
3	Handson Training/ In-plant Training for Academic Enhancement	✓			
4	Class Presentations/ Projects/ Workbooks		✓		
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects		✓		
7	Industrial Attachment and Experiential Learning Program			✓	
8	Placement Cell Activities			✓	
9	NSS / NCC Activities			✓	
Infrastructural Facilities					
1	College Website			✓	
2	Class room Infrastructure			✓	
3	Girls Common Room (only for female students)				✓
4	Drinking water facility		✓		
5	Washroom Cleanliness and maintenance				✓
6	Greenery in the college campus			✓	
7	Cleanliness and maintenance of college premises	✓			

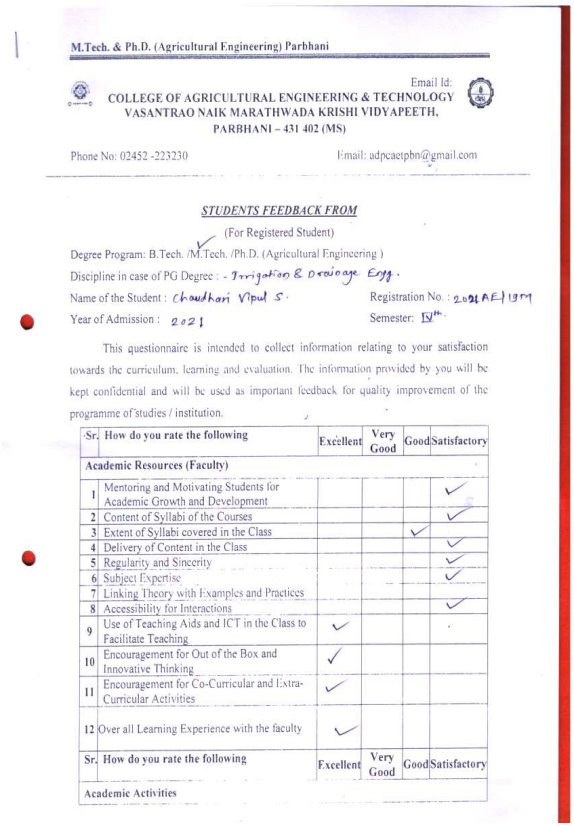
Any other SUGGESTIONS :

Place: Parbhani.

Signature of the Student

Name: Pawar Harsha Bansi

Mobile No: 7420909021



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Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

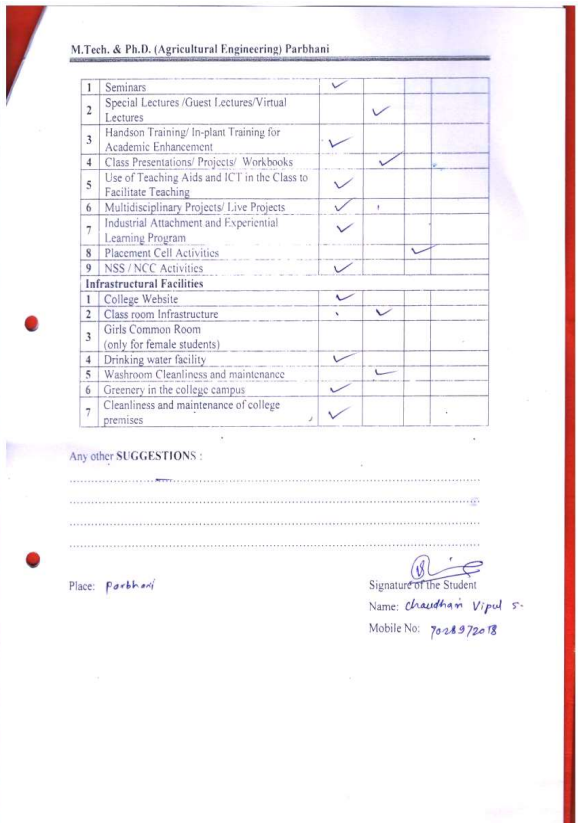
Discipline in case of PG Degree : - Irrigation & Drainage Engg.

Name of the Student : Chaudhari Vipul S. Registration No. : 2021AE/19M

Year of Admission : 2021 Semester: IV th

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development				✓
2	Content of Syllabi of the Courses				✓
3	Extent of Syllabi covered in the Class			✓	
4	Delivery of Content in the Class				✓
5	Regularity and Sincerity				✓
6	Subject Expertise				✓
7	Linking Theory with Examples and Practices				
8	Accessibility for Interactions				✓
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
10	Encouragement for Out of the Box and Innovative Thinking	✓			
11	Encouragement for Co-Curricular and Extra-Curricular Activities	✓			
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities					



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1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement	✓			
4	Class Presentations/ Projects/ Workbooks		✓		
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program	✓			
8	Placement Cell Activities			✓	
9	NSS / NCC Activities	✓			
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)				
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance		✓		
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

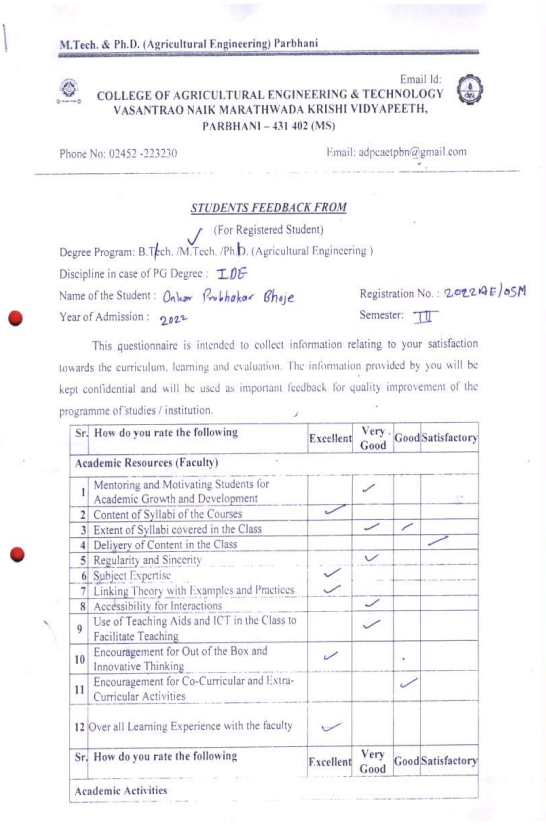
Any other SUGGESTIONS :

Place: Parbhani

Signature of the Student

Name: Chaudhari Vipul S.

Mobile No: 7028972018



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COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

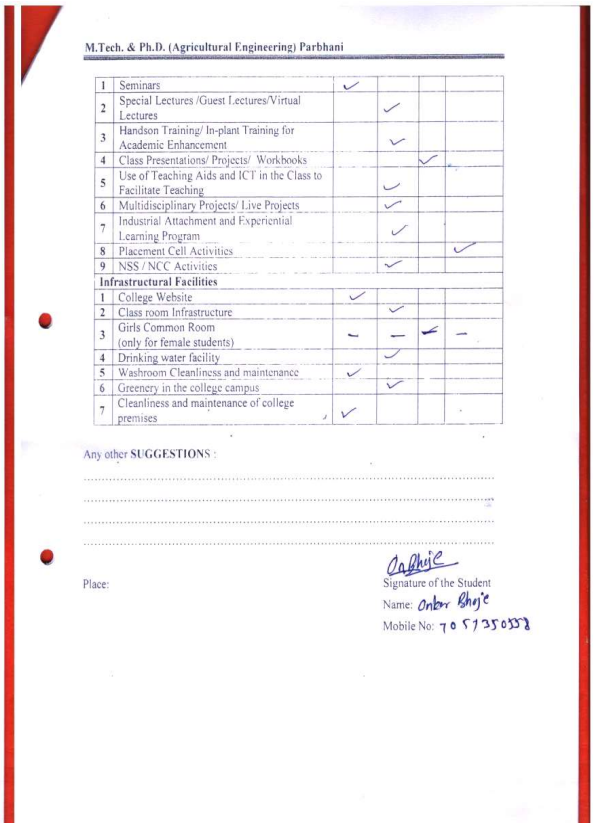
Discipline in case of PG Degree : IDE

Name of the Student : Onkar Prabhakar Bheje Registration No. : 2022AE/05M

Year of Admission : 2022 Semester: III

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development		✓		
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class		✓	✓	
4	Delivery of Content in the Class				✓
5	Regularity and Sincerity		✓		
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions		✓		
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking	✓			
11	Encouragement for Co-Curricular and Extra-Curricular Activities			✓	
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities					



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

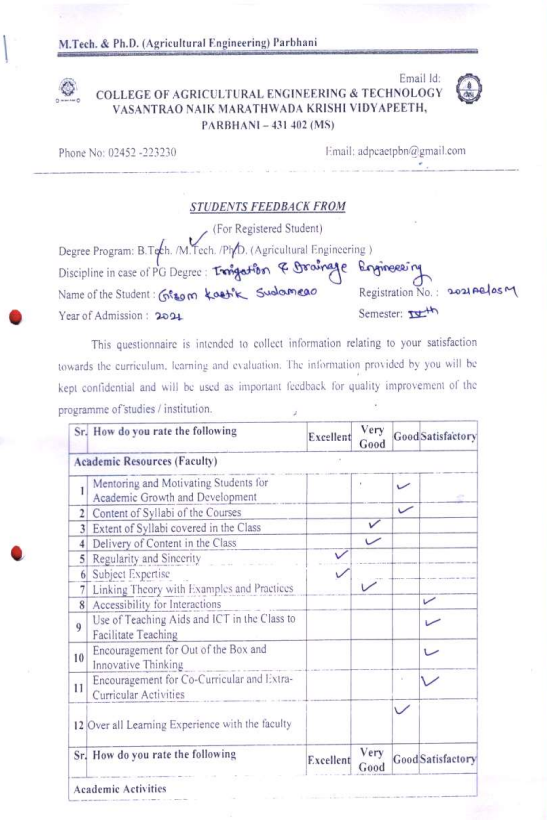
1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks			✓	
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects		✓		
7	Industrial Attachment and Experiential Learning Program		✓		
8	Placement Cell Activities				✓
9	NSS / NCC Activities		✓		
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)	–	–	–	–
4	Drinking water facility		✓		
5	Washroom Cleanliness and maintenance	✓			
6	Greenery in the college campus		✓		
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

Place: Signature of the Student

Name: Onkar Bheje

Mobile No: 7057350358



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

Email Id:

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

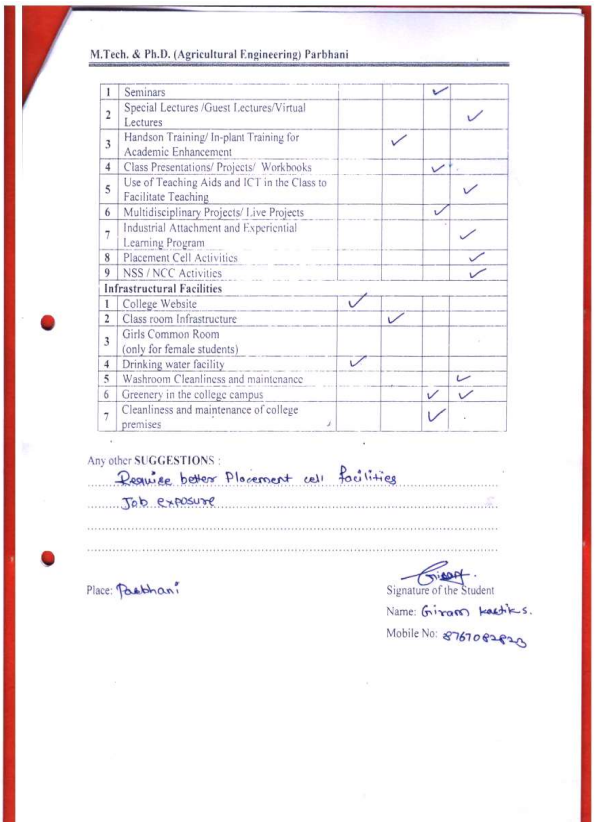
Discipline in case of PG Degree : Irrigation & Drainage Engineering

Name of the Student : Giram Kartik Sudamrao Registration No. : 2021AE05M

Year of Admission : 2021 Semester: IIIrd

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development			✓	
2	Content of Syllabi of the Courses			✓	
3	Extent of Syllabi covered in the Class		✓		
4	Delivery of Content in the Class		✓		
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices		✓		
8	Accessibility for Interactions				✓
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching				✓
10	Encouragement for Out of the Box and Innovative Thinking				✓
11	Encouragement for Co-Curricular and Extra-Curricular Activities				✓
12	Over all Learning Experience with the faculty			✓	
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities					



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars			✓	
2	Special Lectures /Guest Lectures/Virtual Lectures				✓
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks			✓	
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching				✓
6	Multidisciplinary Projects/ Live Projects			✓	
7	Industrial Attachment and Experiential Learning Program				✓
8	Placement Cell Activities				✓
9	NSS / NCC Activities				✓
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)				
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance				✓
6	Greenery in the college campus			✓	✓
7	Cleanliness and maintenance of college premises			✓	

Any other **SUGGESTIONS** :

Requires better Placement cell facilities

Job exposure

Place: Parbhani Signature of the Student

Name: Giram Kartik S.

Mobile No: 8767082820

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

Email Id:

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

Discipline in case of PG Degree : Irrigation and drainage Engineering

Name of the Student : JAYAPRAKASH H.R Registration No. : 2023 AE/03M

Year of Admission : 2023-24 Semester: 1st

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development		✓		
2	Content of Syllabi of the Courses			✓	
3	Extent of Syllabi covered in the Class		✓		
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity		✓	✓	
6	Subject Expertise				
7	Linking Theory with Examples and Practices			✓	
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
10	Encouragement for Out of the Box and Innovative Thinking	✓			
11	Encouragement for Co-Curricular and Extra-Curricular Activities			✓	
12	Over all Learning Experience with the faculty	✓			
Sr.	**How do you rate the following**	**Excellent**	**Very Good**	**Good**	**Satisfactory**
Academic Activities					
1	Seminars				✓
2	Special Lectures /Guest Lectures/Virtual Lectures	✓			
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks				✓
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching			✓	
6	Multidisciplinary Projects/ Live Projects				✓
7	Industrial Attachment and Experiential Learning Program	✓			
8	Placement Cell Activities				✓
9	NSS / NCC Activities				✓
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)				
4	Drinking water facility				✓
5	Washroom Cleanliness and maintenance				✓
6	Greenery in the college campus				✓
7	Cleanliness and maintenance of college premises				✓

Any other **SUGGESTIONS** :

Overall opinion is Good, apart from lectures we need a technological Exposer

Place:

Jayaprakash H.R
Signature of the Student

Name: JAYAPRAKASH H.R

Mobile No: 8088277566

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

Email Id:

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
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Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

Discipline in case of PG Degree : IDE

Name of the Student : Vishal chandrakant Thom-bare Registration No. : 2021 AE/0705

Year of Admission : 2021 Semester: IV

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓	✓		
2	Content of Syllabi of the Courses		✓		
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class		✓		
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities				
12	Over all Learning Experience with the faculty	✓			
Sr.	**How do you rate the following**	**Excellent**	**Very Good**	**Good**	**Satisfactory**
Academic Activities					
1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement	✓			
4	Class Presentations/ Projects/ Workbooks		✓		
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program	✓			
8	Placement Cell Activities	✓			
9	NSS / NCC Activities	✓			
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)	✓			
4	Drinking water facility		✓		
5	Washroom Cleanliness and maintenance	✓			
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

Place:

Signature of the Student

Name: Vishal C. Thombare

Mobile No:

Partents' Feedback

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Chandrakant Thombare
2. Name of students with Reg. No. Degree Prog.: Vishal C. Thombare
3. Address of the parent: Shirdhondi patil Ahmadnagar
4. Name of Student's Adviser: Dr. H.W. Awari
5. Purpose of visit: for Inquiry about Information
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above:
9. Parent's suggestion for improvement

C. Thombare
Signature of parent
Contact No. 8767082823

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: RAMESH (Father)
2. Name of students with Reg. No. Degree Prog.: JAYAPRAKASH H.R. 2023AE/03M (M.Tech. IDE)
3. Address of the parent: Honnasandra, Nelamangala taluk, Banglore rural - 562123
4. Name of Student's Adviser: -
5. Purpose of visit: -
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above:
9. Parent's suggestion for improvement

Ramesh
Signature of parent
Contact No. 9740464462

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Giram Sudamrao Dagdoba (father)
2. Name of students with Reg. No. Degree Prog.: 2021AE/05M (M.Tech)
3. Address of the parent: At Pimpalgaon Tal:- Parbhani Dist:- Parbhani
4. Name of Student's Adviser: Dr. S. B. Jadhav Sir
5. Purpose of visit: Academic update
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No — Yes
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: Require better practical session for students
9. Parent's suggestion for improvement: Job approach for student & opportunities in placement cell

Signature of parent
Contact No. 9552332804

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

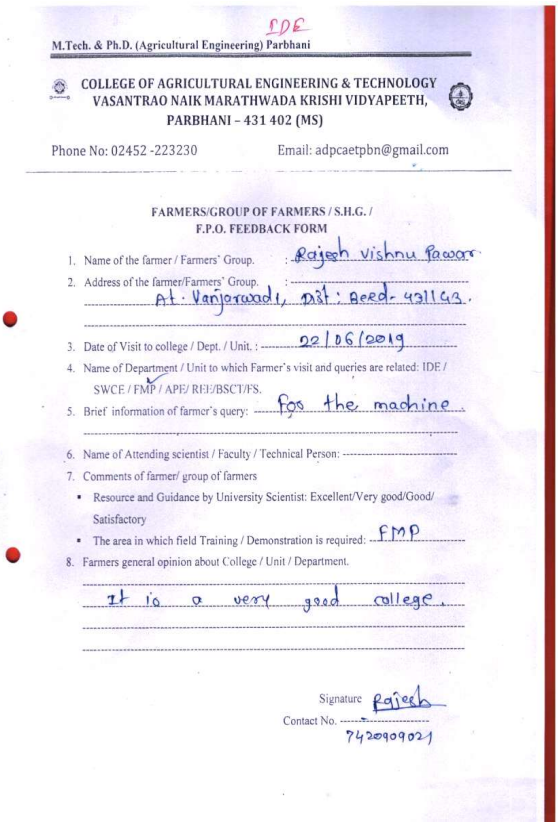
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Mr. Kantilal Sarjerao Bhogil (Father)
2. Name of students with Reg. No. Degree Prog.: 2022AE/08P
3. Address of the parent: At/post Dandegaon Tah- Bhoom dist. osmanabad,
4. Name of Student's Adviser: Dr. U.M. Khodke
5. Purpose of visit: asking student progress
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: all facility in college are so good and drinking water facility is good.
9. Parent's suggestion for improvement: all facility are goods.

Signature of parent
Contact No.

Farmer Group Feedback



IDE

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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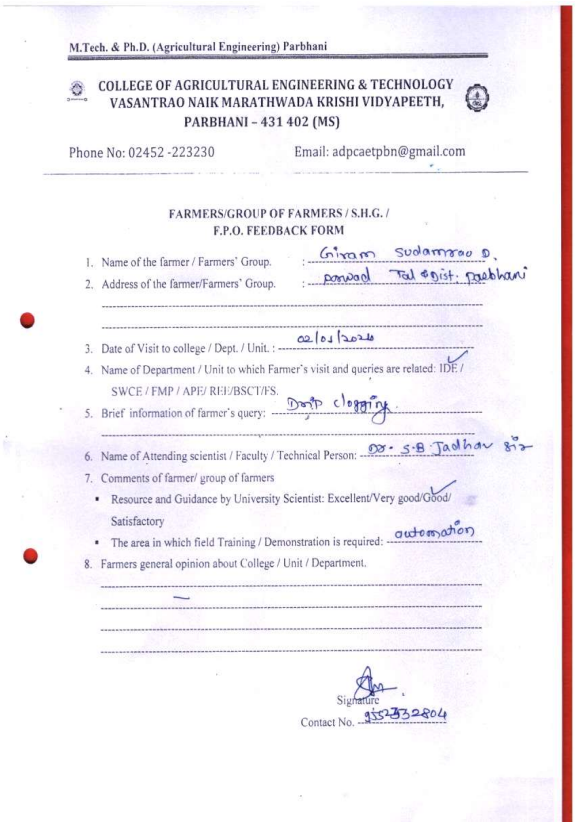
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : Rajesh vishnu Pawar
2. Address of the farmer/Farmers' Group. : At. Vanjarwadi, Dist: Beed. 431143.
3. Date of Visit to college / Dept. / Unit. : 22/06/2019
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REI/BSCT/FS.
5. Brief information of farmer's query: for the machine
6. Name of Attending scientist / Faculty / Technical Person: ----------
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: FMP
8. Farmers general opinion about College / Unit / Department.
   It is a very good college.

Signature Rajesh
Contact No. 7420909021



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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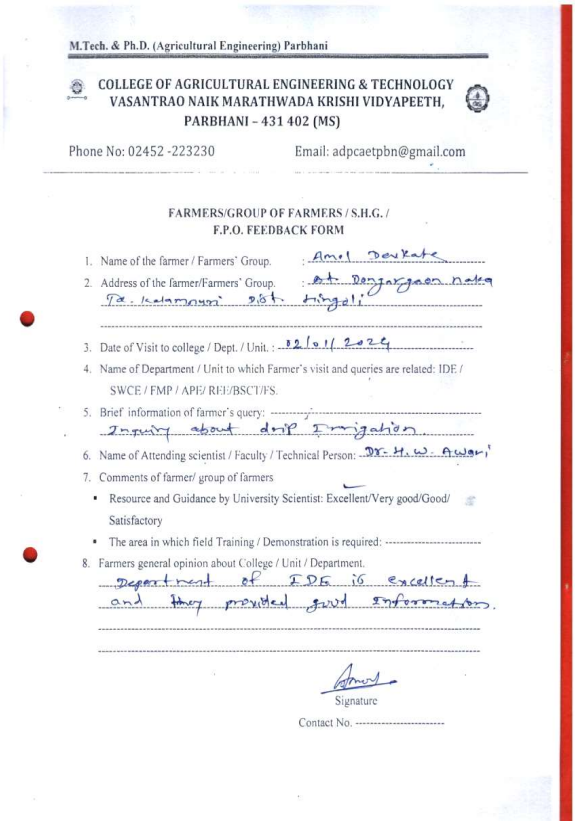
FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : Giram Sudamrao D.
2. Address of the farmer/Farmers' Group. : parwad Tal Dist. Parbhani
3. Date of Visit to college / Dept. / Unit. : 02/01/2024
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REI/BSCT/FS.
5. Brief information of farmer's query: Drip clogging
6. Name of Attending scientist / Faculty / Technical Person: Dr. S.B Jadhav
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: automation
8. Farmers general opinion about College / Unit / Department.

Signature
Contact No. 9552332804



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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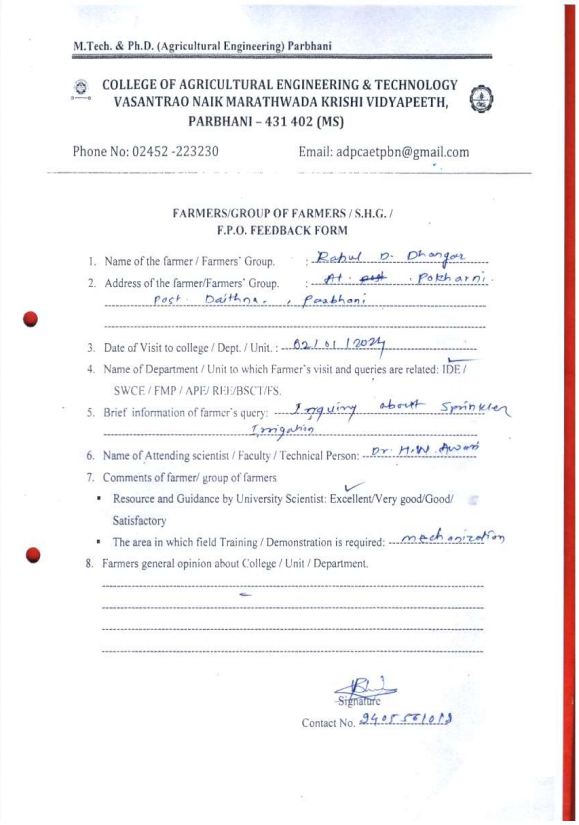
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : Amol Devkate
2. Address of the farmer/Farmers' Group. : At. Dongargaon Nakta Ta. Kalamnuri Dist. Hingoli
3. Date of Visit to college / Dept. / Unit. : 02/01/2024
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REI/BSCT/FS.
5. Brief information of farmer's query: Inquiry about drip Irrigation
6. Name of Attending scientist / Faculty / Technical Person: Dr. H.W. Awari
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: ----------
8. Farmers general opinion about College / Unit / Department.
   Department of IDE is Excellent and they provided good information.

Signature
Contact No. ----------



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : Rahul D. Dhangar
2. Address of the farmer/Farmers' Group. : At. Pokharni. Post Daithna. , Parbhani
3. Date of Visit to college / Dept. / Unit. : 02/01/2024
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REI/BSCT/FS.
5. Brief information of farmer's query: Inquiry about Sprinkler Irrigation
6. Name of Attending scientist / Faculty / Technical Person: Dr. H.W Awari
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: mechanization
8. Farmers general opinion about College / Unit / Department.

Signature
Contact No. 9405581019

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

Table 9 : Student intake and attrition in the M.Tech. programme in last five years

Name of the Degree Programme M.Tech	Students admitted					Attrition (%)				
	2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23
Irrigation and Drainage Engineering	02 1M/1F	04 4M	05 1M/4F	04 3M/1F	02 1M/1F	-	25	40	-	50

Table 10: Students intake and attrition M. Tech degree programme

Batch	M. Tech.			
	Students admitted		Dropped	
	M No.	F No.	M No.	F No.
2018-19	01	01	00	00
2019-20	04	00	01	00
2020-21	01	04	00	02
2021-22	03	01	00	00
2022-23	01	01	00	01

Table 11 : Students Pass out (M. Tech. degree programme)

Sr. No.	Year	No. of M. Tech. Students
1	2018-19	02
2	2019-20	01
3	2020-21	01
4	2021-22	04
5	2022-23	03

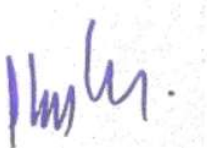
6.4.9 ICT Application in Curricula Delivery

The PG classrooms are equipped with LCD projectors for power point presentations. Following ICT tools are used in PG classrooms and laboratories for teaching and conducting practical of PG courses.

1. Desktop and Laptop
2. Document Camera/Visualize
3. Interactive White Board
4. Interactive Projector- Kayon
5. Simple-Projector
6. Speakers
7. Digital Camera
8. Printer
9. Wireless Microphone for Convenience
10. Digital Podium

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology**,** Parham hereby certify that the information contained in Section 6.4 (Section 6.4.1 to 6.4.9) are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

Master of Technology
(Agricultural Engineering) in
2) Soil and Water Conservation Engineering

6.4 Self Study Report of PG programmes

6.4.1 Brief history of PG programmes

The post-graduate programme leading to M.Tech. degree in Soil and Water Conservation Engineering was started in the year 1998 (MCAER order no. MCAER/EDU/CR-884/KA-2/603/96 dated 07 March 1996) with an intake capacity of two students.

The new and restructured PG programmes in Agricultural Engineering and Technology recommended by National Core Group of ICAR, New Delhi is being implemented from 2009-10 onwards. Since few academic staffs were deputed for higher studies, the intake capacity of the M. Tech. programme was reduced to two students in 2018-19 and it was assumed as 4 students per disciplines afterwards.

The existing contents of M. Tech syllabus was examined critically, restructured and updated keeping in view the latest developments in the subject areas.

Mission and Goals, Mandate of the College, Mission Statement, Goals and Objectives are same as given in department of Irrigation & Drainage Engineering.

Table 1: M.Tech. (Agril. Engg.) degree programmes offered with duration

Programme	Name of the Disciplines	Year of Establishment	Duration
M. Tech. (Agril. Engg.)	Soil and Water Conservation Engineering	1998-1999	2 Year (4 Sem.)

Salient features of organization of course contents and credit requirements:

Code Numbers, Course Contents, Major courses, Minor courses, Supporting courses and Non-Credit Compulsory courses are same as given in department of Irrigation & Drainage Engineering.

6.4.2 Faculty Strength

For smooth conduct of PG degree programme, in addition to the faculty members at College of Agricultural Engineering and Technology, services of faculties of Agricultural Engineering working under various establishments in the campus such as Agriculture Colleges and research stations of the University are being engaged for course work and research work.

For fulfilling the requirements of supporting special and non credit compulsory courses of PG programme, common arrangements are made at the University level.

Table 2 : Department wise faculty position of Department of Water Conservation Engineering

Sr. No.	Post	Sanc. post	Filled Post	Vacant	Faculty Recommended by the ICAR regulatory body	Deviation (%)	Remarks
01.	Professor	0	0	0	1	100	Services of Teaching Staff from Agriculture, the research project & dept. of Agriculture Engineering COA, VNMKV, Parbhani & BSCT are spared and deputed to support the teaching and research activities at CAET.
02.	Associate Professor	1	1	0	2	50	
03.	Assistant Professor	2	2	0	3	33	

Major / Minor / Dual / Guest / Ad-hoc Faculty for Different Departments:

Sr. No.	Major Faculty	Minor Faculty	Dual Faculty	Guest/ Ad-hoc Faculty	Other University Staff
01.	Prof. B.W. Bhuibhar	Dr. H.W. Awari	Dr. M.S. Pendke	-	(1) Prof. Bharti (Stat), (2) Dr. S.S. Kadam (Library Science), (3) Dr. P.S. Kapse (Ext. Education), (4) Dr. Suresh Waikar (Soil Science), (5) Dr. D.S. Perke (Economics)
02.	Dr. A.S. Kadale	Dr. S.B. Jadhav	Prof. S.N. Pawar	-	
03.	Dr. A.M. Kamble	Dr. V.K. Ingle	-	-	
04.	Dr. S.D. Payal	Prof. V.M. Bhosle	-	-	
05.	Dr. M.R. More	Dr. R.V. Shinde	-	-	

6.4.3 Technical and supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work/ workshop / farm work are in place at this college.

Table 3 : Technical and supporting staff of Department of Soil and Water Conservation Engineering

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body	Deviation (%)
01.	PA/Steno	-	-	-	01	100
02.	Clerk	-	-	-	01	100
03.	Lab Assistant/Sub-overseer (On deputation, 2018-19 to 2021-22)	01	00	01	02	50
04.	Peon	-	-	-	01	100

6.4.4 Classrooms and Laboratories

Department of Soil and Water Conservation Engineering has well developed PG classroom and well-equipped laboratories. The theory classes are conducted with the help of audio-visual aids like K-Yan, LCD projector, etc.

Practical are conducted in laboratories of the department, Field laboratories such as greenhouse structures, run off plot, various surrounding watershed and farms of the research stations are being utilised for the demonstration of practical of PG courses. Computer laboratory, CAD-CAM laboratory and language laboratory are established in the college with software facilities like ARIS / LAN, A to Z Watershed software, Pro-E, ANSYS, MATLAB and Simulink, GIS and Design Expert and utilised for teaching and research work. Advanced equipments like total survey station, pump test rig, digital hardness test rig, metal composition testing machine, CNC machine, Leaf area meter, water quality kit, Laser leveller, Water activity meter, Low humidity low temperature cabinate dryer, Universal testing machine and compression testing machine are available for practical and demonstration in the departments.

PG Classrooms

Separate classrooms for PG programme are established in the Dept. of Soil and Water Conservation Engineering.

Laboratories

Table 4 : Details of Laboratory Department of Soil and Water Conservation Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Soil Mechanics Lab.	10.60	11.15	118	40
2	Surveying and hydrology Lab.	14.05	11.05	158	40
3	Soil water Conservation Engineering Lab.	100	100	10000	40
4	Remote Sensing and GIS Lab.	06	05	30	05

Table 5 : Details of department wise list of equipments/instruments/implements

Sr. No.	Name of Equipment
Department of Soil and Water Conservation Engineering	
1	Bulk density apparatus-core cutters
2	Double ring infiltrometers
3	Falling head permeability test apparatus
4	Sieves shaker for particle size analysis
5	Different evaporation pans
6	Total survey station
7	Flow measuring devices-H flume, parshall flume
8	Flow velocity measurement instruments-current meters
9	Stage level recorders

6.4.5 Conduct of Practical and Hands on Training:

Conduct of Practical

The practical and hands on training are conducted in the laboratories of respective department and field allocated to concern department.

The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the respective laboratories, on farm, farm ponds, green house and shade net structures. The techniques are demonstrated to the students and performed actual experiments are performed.

Hands on Training

The students are deputed to different organizations such as NGO's, Research Organizations for advanced training for the period of three weeks for M. Tech. programmed in order to get exposure. The training constitutes practical activities such as production

process, quality testing, measurements and the research and developmental activities to promote their innovative ideas and skills. Students acquire skills through hands on practice. Training helps the students to minimize the gap between theoretical knowledge and practical applications. The students also get an idea for planning and execution of their PG research work.

6.4.6 Supervision of students in M. Tech. programme

One supervisor (guide) is allotted to every PG Student for supervision of research work. The supervisor monitors academic and research activities of students through Student Advisory Committee.

Table 6: Details of students allotted for supervision of research work in the M.Tech. degree programme.

S. No.	Year	No of Students
1	2018-19	02
2	2019-20	05
3	2020-21	04
4	2021-22	05
5	2022-23	01

Table 7 : Details of students allotted for supervision of research work in the M.Tech. degree programme (Department of SWCE)

S. No.	Year	Name of Faculty	No of Students
1	2018-19	Prof. B.W. Bhuibhar	01
		Dr. S.D. Payal	01
2	2019-20	Dr. S.D. Payal	01
		Prof. B.W. Bhuibhar	01
		Dr. A.M. Kamble	01
		Dr. M.S. Pendke	01
		Dr. M.R. More	01
3	2020-21	Dr. M.R. More	01
		Dr. S.D. Payal	01
		Dr. M.S. Pendke	01
		Prof. B.W. Bhuibhar	01
4	2021-22	Dr. M.S. Pendke	01
		Dr. S.D. Payal	01
		Dr. M.R. More	01
		Prof. B.W. Bhuibhar	02
5	2022-23	Dr. M.R. More	01

6.4.7 Feedback of stakeholders (Students and parents, industries, etc.)

College has well defined feedback mechanism of different stakeholders i.e. students, parents and industries. Real feedback of the students was also collected frequently from the suggestion and complaint box placed near Associate Dean and Principal office. Regular students-parents meeting with college authorities were organized to take feedback from the parents. Employers are encouraged to give their feedback during monthly meetings while farmers suggestions and feedback were taken directly through regular inward procedure. College authority has acted as per rules on the issues raised in the feedback of stakeholders.

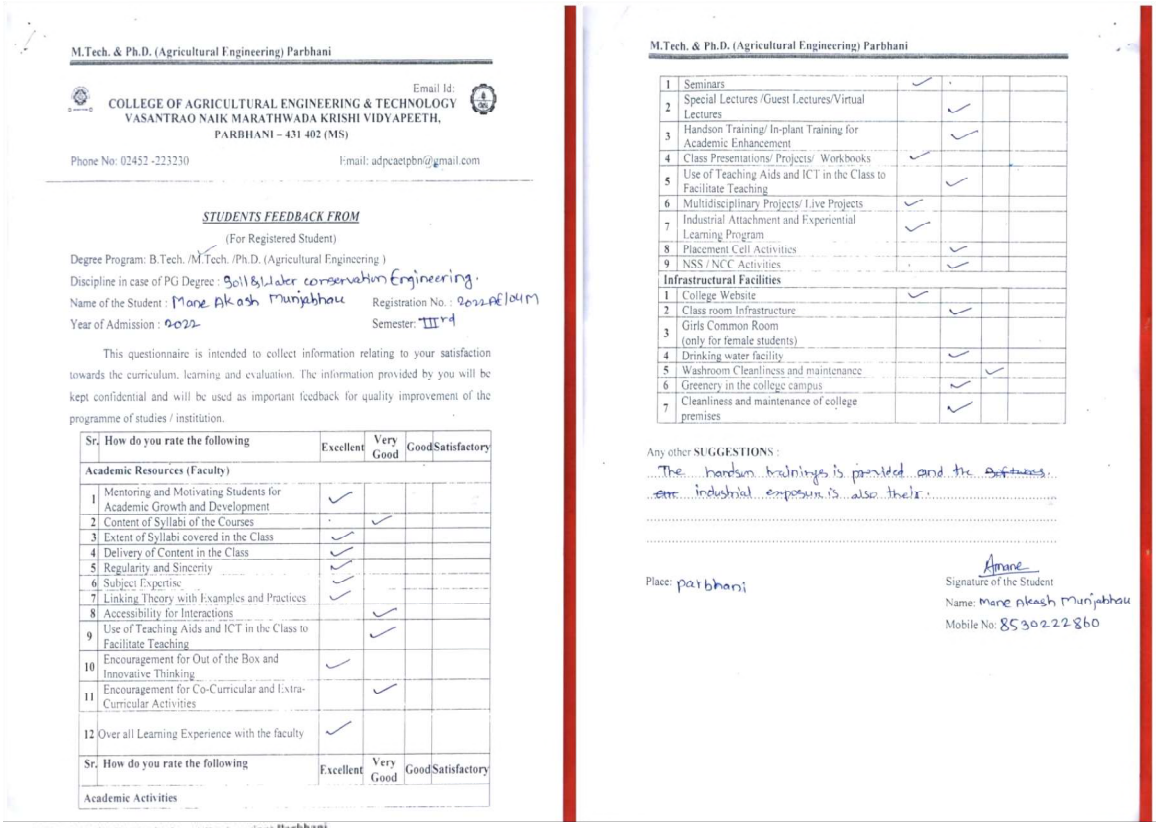
Student's Feedback Mechanism

- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Student are submitting the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the college in developing both academic and non-academic facilities.
- In addition the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized and specific suggestions are discussed in the monthly meeting. The suggestions and feedbacks are addressed by the concerned college committee.
- Feedbacks are also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedbacks are also will be taken up by in the Faculty Meeting to formulate policies.

Students' Feedback



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Email Id:
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Soil & Water conservation Engineering.
Name of the Student : More Akash Manjabhau Registration No. : 2022AE104M
Year of Admission : 2022 Semester: IIIrd

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses		✓		
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions		✓		
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking	✓			
11	Encouragement for Co-Curricular and Extra-Curricular Activities		✓		
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities					

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

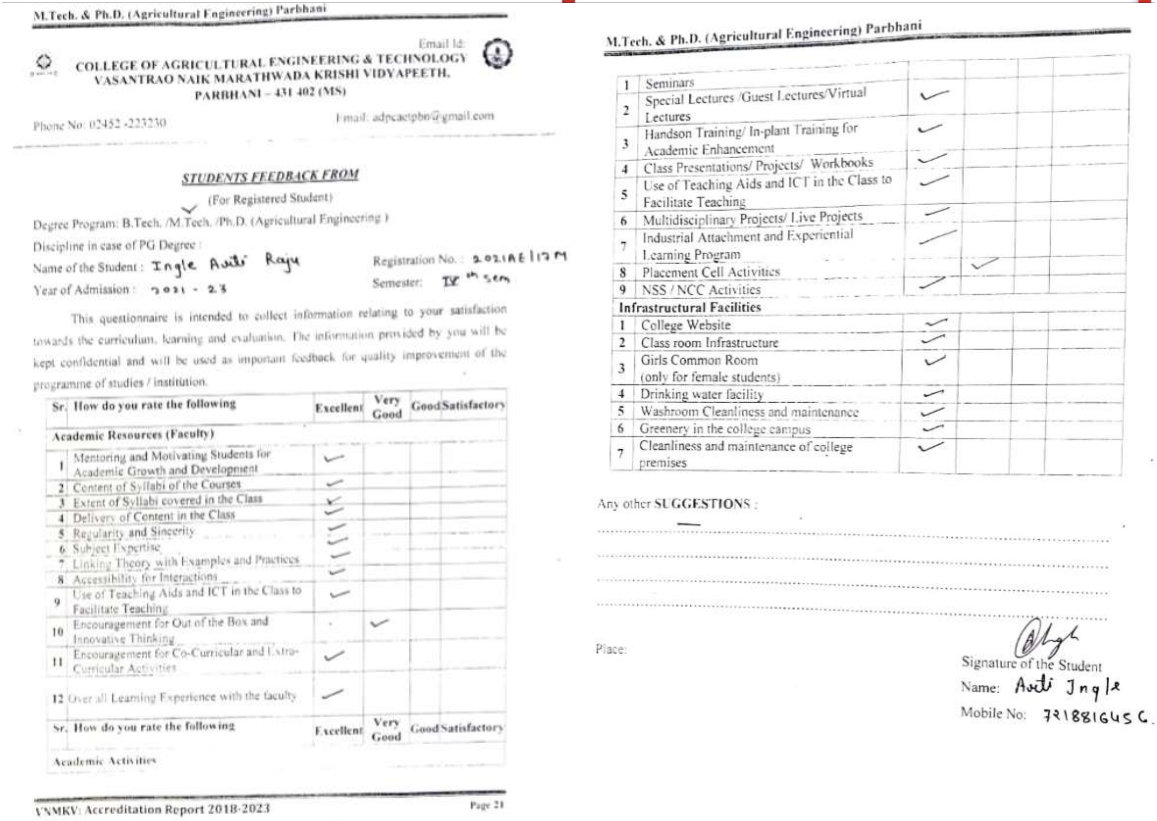
1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program	✓			
8	Placement Cell Activities		✓		
9	NSS / NCC Activities		✓		
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)		✓		
4	Drinking water facility		✓		
5	Washroom Cleanliness and maintenance			✓	
6	Greenery in the college campus		✓		
7	Cleanliness and maintenance of college premises		✓		

Any other **SUGGESTIONS** :

The handson trainings is provided and the ~~Softwares~~ ~~etc~~ industrial exposure is also there.

Place: parbhani

Amore
Signature of the Student
Name: More Akash Manjabhau
Mobile No: 8530222860



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Email Id:
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree :
Name of the Student : Ingle Asti Raju Registration No. : 2021AE117M
Year of Admission : 2021 - 23 Semester: IInd sem

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities	✓			
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities					

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

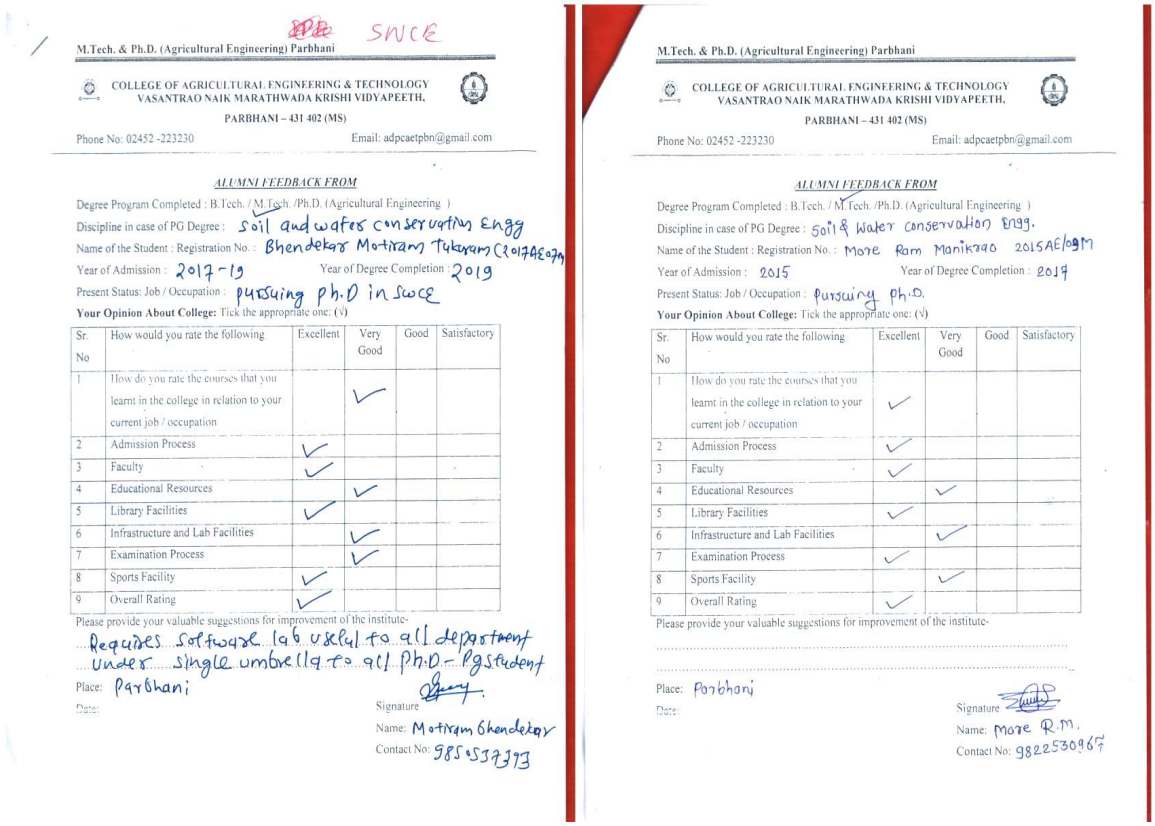
1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures	✓			
3	Handson Training/ In-plant Training for Academic Enhancement	✓			
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program	✓			
8	Placement Cell Activities		✓		
9	NSS / NCC Activities	✓			
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure	✓			
3	Girls Common Room (only for female students)	✓			
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance	✓			
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

Place:

Signature of the Student
Name: Asti Ingle
Mobile No: 7218816455

Alumina Feedback



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Soil and wafer conservation Engg
Name of the Student : Registration No. : Bhendekar Motiram Tukaram (2017AE07M
Year of Admission : 2017-19 Year of Degree Completion : 2019
Present Status: Job / Occupation : pursuing Ph.D in SWCE
Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation		✓		
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources		✓		
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility	✓			
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-
Requires Software lab useful to all department under single umbrella to all Ph.D - Pg student
Place: Parbhani
Date:
Signature
Name: Motiram Bhendekar
Contact No: 9850537373

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Soil & Water conservation Engg.
Name of the Student : Registration No. : More Ram Manikrao 2015AE/09M
Year of Admission : 2015 Year of Degree Completion : 2017
Present Status: Job / Occupation : Pursuing Ph.D.
Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation	✓			
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources		✓		
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process	✓			
8	Sports Facility		✓		
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-
Place: Parbhani
Date:
Signature
Name: More R.M.
Contact No: 9822530967

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

Table 8 : Student intake and attrition in the M.Tech. programme in last five years

Name of the Degree Programme M.Tech	Students admitted					Attrition (%)				
	2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23
Soil and Water Conservation Engineering	02 2M	05 2M/3F	04 3M/1F	05 2M/3F	02 2M	-	-	-	-	50

Table 9: Students intake and attrition M. Tech degree programme

Batch	M. Tech.			
	Students admitted		Dropped	
	M No.	F No.	M No.	F No.
2018-19	02	00	00	00
2019-20	02	03	00	00
2020-21	03	01	00	00
2021-22	02	03	00	00
2022-23	02	00	01	00

Table 10 : Students Pass out (M. Tech. degree programme)

Sr. No.	Year	No. of M. Tech. Students
1	2018-19	02
2	2019-20	03
3	2020-21	02
4	2021-22	04
5	2022-23	05

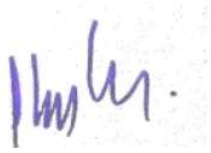
6.4.9 ICT Application in Curricula Delivery

The PG classrooms are equipped with LCD projectors for power point presentations. Following ICT tools are used in PG classrooms and laboratories for teaching and conducting practical of PG courses.

1. Desktop and Laptop
2. Document Camera/Visualize
3. Interactive White Board
4. Interactive Projector- Kayon
5. Simple-Projector
6. Speakers
7. Digital Camera
8. Printer
9. Wireless Microphone for Convenience
10. Digital Podium

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology**,** Parham hereby certify that the information contained in Section 6.4 (Section 6.4.1 to 6.4.9) are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

Master of Technology
(Agricultural Engineering) in
3) Processing and Food Engineering

6.4 Self Study Report of PG programmes

6.4.1 Brief history of PG programmes

The post-graduate programme leading to M.Tech. degree in Processing and Food Engineering was started in 2002.

The new and restructured PG programmes in Agricultural Engineering and Technology recommended by National Core Group of ICAR, New Delhi is being implemented from 2009-10 onwards. Since few academic staff were deputed for higher studies, the intake capacity of the M. Tech. programme was reduced to two students in each discipline in 2018-19 and it was resumed as 4 students per discipline afterwards.

The existing contents of M. Tech syllabuswas examined critically, restructured, and updated keeping in view the latest developments in the subject areas.

Mission and Goals, Mandate of the College, Mission Statement, Goals and Objectives are same as given in department of Irrigation & Drainage Engineering.

Table 1: M.Tech. (Agril. Engg.) degree programmes offered with duration

Programme	Name of the Disciplines	Year of Establishment	Duration
M. Tech. (Agril. Engg.)	Processing and Food Engineering	2002-2003	2 Year (4 Sem.)

Salient features of organization of course contents and credit requirements:

Code Numbers, Course Contents, Major courses, Minor courses, Supporting courses and Non-Credit Compulsory courses are same as given in department of Irrigation & Drainage Engineering.

6.4.2 Faculty Strength

For smooth conduct of PG degree programme, in addition to the faculty members at College of Agricultural Engineering and Technology, services of faculties of Agricultural Engineering working under various establishments in the campus such as Agriculture Colleges and research stations of the University are being engaged for course work and research work. For fulfilling the requirements of supporting special and non credit compulsory courses of PG programme, common arrangements are made at the University level.

Table 2 : Faculty position of Department of Processing and Food Engineering

Sr. No.	Post	Sanc. post	Filled Post	Vacant	Faculty Recommended by the ICAR regulatory body	Deviation (%)	Remarks
3							Services of Teaching Staff from Agriculture, the research project such as AICRP on UAE, Dept. of REE & BSCT are spared and deputed to support the teaching and research activities at CAET.
	Professor	0	0	0	1	100	
	Associate Professor	1	1	0	2	50	
	Assistant Professor	2	2	0	3	33	

Major / Minor / Dual / Guest / Adhoc Faculty for Different Departments:

Sr. No.	Major Faculty	Minor Faculty	Dual Faculty	Guest/ Adhoc Faculty	Other University Staff
Processing and Food Engineering					(1) Prof. Bharti (Stat), (2) Dr. S.S. Kadam (Library Science), (3) Dr. P.S. Kapse (Ext. Education), (4) Dr. Suresh Waikar (Soil Science), (5) Dr. D.S. Perke (Economics)
01.	Dr. S.U. Khodke	Dr. R.T. Ramteke	Dr. R.V. Jayabhaye	-	
02.	Dr. P.G. More	Dr. S.N. Solanki		-	
03.	Dr. S.R. Garud	Prof. V.M. Bhosle		-	
04.	Prof. B.P. Sawant	Dr. R.V. Shinde		-	

6.4.3 Technical and supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work/ workshop / farm work are in place at this college.

Table 3 : Technical and supporting staff of Department of Processing and Food Engineering

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body	Deviation (%)
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	01	01	-	02	50
4	Lab Attendant	-	-	-	-	-
5	Peon	-	-	-	01	100

6.4.4 Classrooms and Laboratories

Department of Processing & Food Engineering has well developed PG classroom and well-equipped laboratories. The theory classes are conducted with the help of audio visual aids like K-Yan, LCD projector, etc.

Practical are conducted in laboratories of the department, workshop and ELP unit. Field laboratories such as solar energy park and farms of the research stations are being utilised for the demonstration of practical of PG courses. Computer laboratory, CAD-CAM laboratory and language laboratory are established in the college with software facilities like ARIS / LAN, Pro-E, ANSYS, MATLAB and Simulink, GIS and Design Expert and utilised for teaching and research work. Advanced equipments like digital hardness test rig, water quality kit, Texture Analyser, Bakery Unit, Hunter Colour Lab Meter, Water activity meter, Extruder, Electrically operated roaster, LPG operated puffing cum popping machine, Distillation Unit, Low humidity low temperature cabinet dryer are available for practical and demonstration in the respective departments.

PG Classrooms

Separate classrooms for PG programme are established in the Dept. of Processing & Food Engineering.

Laboratories

Table 4 : Details of Laboratory Department of Processing and Food Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Crop Processing Engg. Lab.	11.28	14.32	162	40
2	Food Engineering Lab.	8.7	7.4	64	10
3	Quality control (ELP) Lab.	12.20	10.80	132	05

Table 5 : Details of department wise list of equipments/instruments/implements

Sr. No.	Name of Equipment
Department of Processing and Food Engineering	
1	Texture analyzer
2	Apparatus for angle of repose, anemometer,
3	Apparatus for measurement of properties of milk, cream separator
4	Autoclave
5	Mini Dal Mil
6	Refrigeration and freezing tutor
7	Parallel and counter heat exchanger
8	Soxhlet apparatus, Kzeldol apparatus
9	Infrared Moisture meter
10	Flour Mill
11	Mixer cum pulper
12	Models of handling equipments and Boilers
13	Vibration and drop tester, Box compression tester,
14	Spray dryer
15	Orbital shaking incubator
16	Horizontal laminar air flow cabinet
17	Bakery Unit
18	Water activity meter
19	Hunter Lab colourimeter
20	Extruder
21	Multi grain roster cum puffer

6.4.5 Conduct of Practical and Hands on Training:

Conduct of Practical

The practical and hands on training are conducted in the laboratories of respective departments and field allocated to concern department.

The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the respective laboratories, on farm, workshops, ELP unit, solar energy park. The techniques are demonstrated to the students and actual experiments are performed.

Hands on Training

The students are deputed to different industries such as Food Processing, NGO's, Research Organizations for advanced training for the period of three weeks for M. Tech. programmed to get exposure. The training constitutes practical activities such as production process, quality testing, measurements and research and developmental activities to promote their innovative ideas and skills. Students acquire skills through hands-on practice. The students are also exposed to marketing and management activities of various enterprises. Training helps the students to minimize the gap between theoretical knowledge and practical applications. The students also get an idea for planning and execution of their PG research work.

M.Tech. students performing practical on texture analyzer

M.Tech. Student operating spray dryer

M.Tech. student presenting poster in International Symposium on Engineering Interventions for Making Millets a Global Food at UAS, Raichur

6.4.6 Supervision of students in M. Tech. programme

One supervisor (guide) is allotted to every PG Student for supervision of research work. The supervisor monitors academic and research activities of students through Student Advisory Committee.

Table 6 : Details of students allotted for supervision of research work in the M.Tech. degree programme.

S. No.	Year	No of Students
1	2018-19	02
2	2019-20	03
3	2020-21	04
4	2021-22	03
5	2022-23	01

Table 7 : Details of students allotted for supervision of research work in the M.Tech. degree programme (Department of PFE)

S. No.	Year	Name of Faculty	No of Students
1	2018-19	--	--
2	2019-20	Dr. R.V. Jayebhaye Dr. S.U. Khodke Dr. S.R. Garud	01 01 01
3	2020-21	Dr. P.G. More Dr. S.U. Khodke Dr. S.R. Garud Dr. R.V. Jayebhaye	01 01 01 01
4	2021-22	Dr. R.V. Jayebhaye Dr. S.U. Khodke Dr. P.G. More	01 01 01
5	2022-23	Dr. R.V. Jayebhaye	01

6.4.7 Feedback of stakeholders (Students and parents, industries, etc.)

College has well defined feedback mechanism of different stakeholders i.e. students, parents and industries. Real feedback of the students was also collected frequently from the suggestion and complaint box placed near Associate Dean and Principal office. Regular students-parents meeting with college authorities were organized to take feedback from the parents. Employers are encouraged to give their feedback during monthly meetings while farmers suggestions and feedback were taken directly through regular inward procedure. College authority has acted as per rules on the issues raised in the feedback of stakeholders.

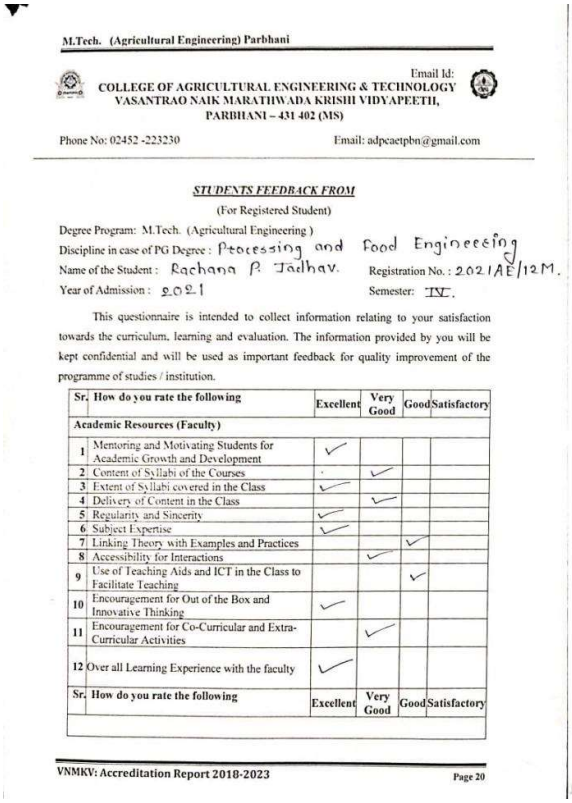
Student's Feedback Mechanism:

- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Student are submitting the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the college in developing both academic and non-academic facilities.
- In addition the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized and specific suggestions are discussed in the monthly meeting. The suggestions and feedbacks are addressed by the concerned college committee.
- Feedbacks are also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedbacks are also will be taken up by in the Faculty Meeting to formulate policies.

Students' Feedback



M.Tech. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Email Id:

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: M.Tech. (Agricultural Engineering)
Discipline in case of PG Degree : Processing and Food Engineering
Name of the Student : Rachana P. Jadhav. Registration No. : 2021AE/12M.
Year of Admission : 2021 Semester: IV.

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses		✓		
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class		✓		
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices			✓	
8	Accessibility for Interactions		✓		
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching			✓	
10	Encouragement for Out of the Box and Innovative Thinking	✓			
11	Encouragement for Co-Curricular and Extra-Curricular Activities		✓		
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory

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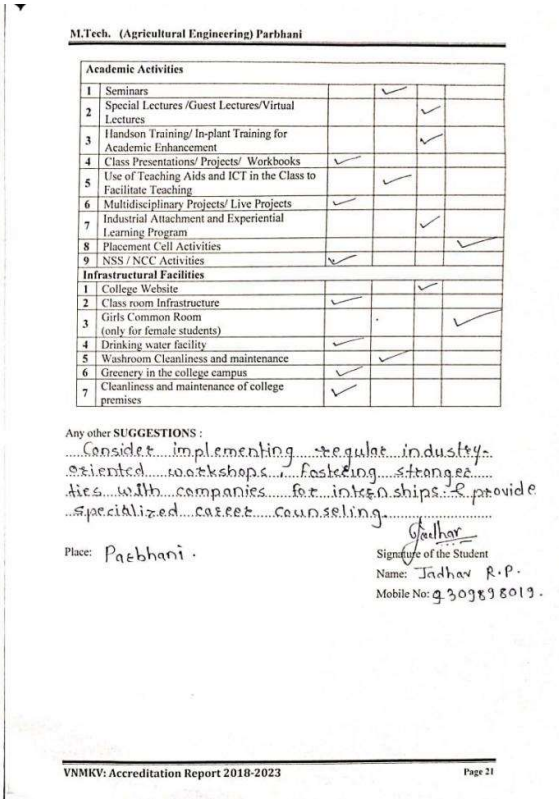

M.Tech. (Agricultural Engineering) Parbhani

	Academic Activities				
1	Seminars		✓		
2	Special Lectures /Guest Lectures/Virtual Lectures			✓	
3	Handson Training/ In-plant Training for Academic Enhancement			✓	
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program			✓	
8	Placement Cell Activities				✓
9	NSS / NCC Activities	✓			
	Infrastructural Facilities				
1	College Website			✓	
2	Class room Infrastructure	✓			
3	Girls Common Room (only for female students)				✓
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance		✓		
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :
Consider implementing regular industry-oriented workshops, fostering stronger ties with companies for internships & provide specialized career counseling.

Place: Parbhani. Signature of the Student
Name: Jadhav R.P.
Mobile No: 9309898019.

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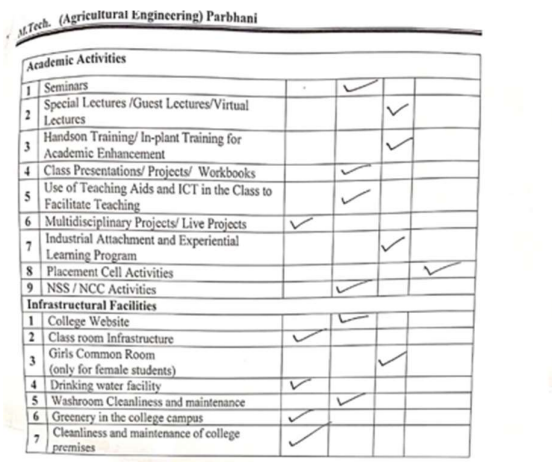
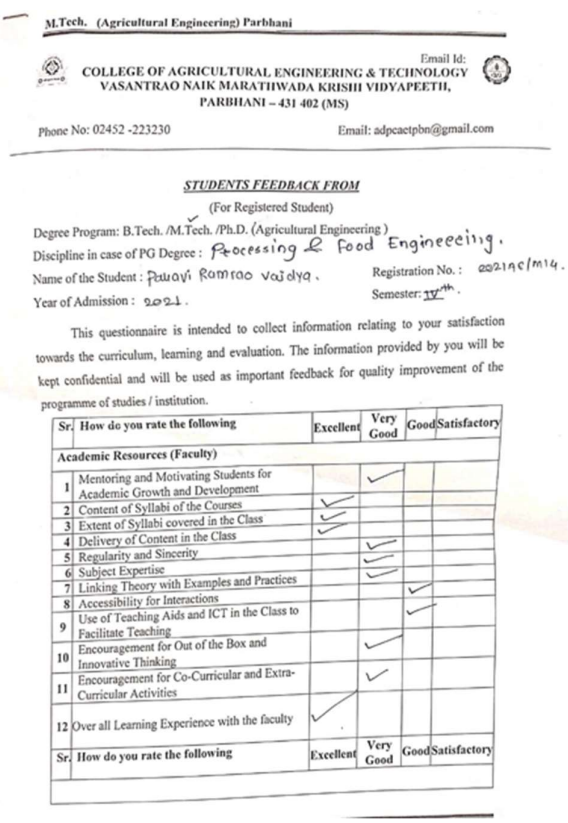


M.Tech. (Agricultural Engineering) Parbhani

	Academic Activities				
1	Seminars		✓		
2	Special Lectures /Guest Lectures/Virtual Lectures			✓	
3	Handson Training/ In-plant Training for Academic Enhancement			✓	
4	Class Presentations/ Projects/ Workbooks		✓		
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program			✓	
8	Placement Cell Activities				✓
9	NSS / NCC Activities		✓		
	Infrastructural Facilities				
1	College Website		✓		
2	Class room Infrastructure	✓			
3	Girls Common Room (only for female students)			✓	
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance		✓		
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :
Provide career specilised career counselling for betterment of college students.

Place: Parbhani. Signature of the Student
Name: Pawavi Ramrao Vaidya.
Mobile No: 9020849704.



M.Tech. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Email Id:

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Processing & Food Engineering.
Name of the Student : Pawavi Ramrao Vaidya. Registration No. : 2021AE/M14.
Year of Admission : 2021. Semester: IV th.

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development		✓		
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class		✓		
5	Regularity and Sincerity		✓		
6	Subject Expertise		✓		
7	Linking Theory with Examples and Practices			✓	
8	Accessibility for Interactions				
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching			✓	
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities		✓		
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory

M.Tech. (Agricultural Engineering) Parbhani

Email Id:

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: M.Tech. (Agricultural Engineering)

Discipline in case of PG Degree : FPE

Name of the Student : Aditya Ambadas Khiste Registration No. : 2021AE135M

Year of Admission : 2021 Semester: IV

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development		✓		
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class		✓		
4	Delivery of Content in the Class			✓	
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices		✓		
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking			✓	
11	Encouragement for Co-Curricular and Extra-Curricular Activities			✓	
12	Over all Learning Experience with the faculty		✓		
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory

M.Tech. (Agricultural Engineering) Parbhani

	Academic Activities				
1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program		✓		
8	Placement Cell Activities				✓
9	NSS / NCC Activities		✓		
	Infrastructural Facilities				
1	College Website		✓		
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)		–		
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance	✓			
6	Greenery in the college campus		✓		
7	Cleanliness and maintenance of college premises		✓		

Any other **SUGGESTIONS** :

.....

.....

.....

.....

Place: Parbhani

Signature of the Student

Name: Aditya. A Khiste

Mobile No: 9766614232

M.Tech. (Agricultural Engineering) Parbhani

Email Id:

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: M.Tech. (Agricultural Engineering)

Discipline in case of PG Degree : Processing and Food Engineering

Name of the Student : Patil Sagar Devidas Registration No. : 2022AE102M

Year of Admission : 2022 Semester: III rd

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			✓
2	Content of Syllabi of the Courses	✓			✓
3	Extent of Syllabi covered in the Class	✓			✓
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity		✓		
6	Subject Expertise				
7	Linking Theory with Examples and Practices				✓
8	Accessibility for Interactions				
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities			✓	
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory

M.Tech. (Agricultural Engineering) Parbhani

	Academic Activities				
1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement	✓			
4	Class Presentations/ Projects/ Workbooks		✓		
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching			✓	
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program			✓	
8	Placement Cell Activities				✓
9	NSS / NCC Activities			✓	
	Infrastructural Facilities				
1	College Website			✓	
2	Class room Infrastructure			✓	
3	Girls Common Room (only for female students)	–	–	–	–
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance	✓			
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

Organize workshops related to industries building closer connection with companies for internship and offering specialized career counseling to help student prepare for Job

Place: Parbhani

Signature of the Student

Name: S.P.Patil

Mobile No: 9561370024

Alumni Feedback Form

M.Tech. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : M.Tech. (Agricultural Engineering)

Discipline in case of PG Degree : Processing and Food Engineering

Name of the Student : Registration No. : 2016 AE | 06 M

Year of Admission : 2016-17 Year of Degree Completion : 2018-19

Present Status: Job / Occupation : Ph.D

Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation		✓		
2	Admission Process			✓	
3	Faculty	✓			
4	Educational Resources		✓		
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process	✓			
8	Sports Facility	.	✓		
9	Overall Rating	.	✓		

Please provide your valuable suggestions for improvement of the institute-

Carees counselling, Advance Softwase needful
campus interview most important and students need that.

Place: Parbhani

Date: 12/01/2024

Signature Handibag Ashwini

Name:

Contact No: 7057936525

M.Tech. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : M.Tech. (Agricultural Engineering)

Discipline in case of PG Degree : processing and food Engg.

Name of the Student : Registration No. : 2019AE/10M.

Year of Admission : 2019 Year of Degree Completion : 2021

Present Status: Job / Occupation : ph.D.

Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation	✓			
2	Admission Process			✓	
3	Faculty	✓			
4	Educational Resources		✓		
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process			✓	
8	Sports Facility			✓	
9	Overall Rating		✓		

Please provide your valuable suggestions for improvement of the institute-

.....Career...Counselling...Campus..interview...Advance.
...education..resources.such.as..new.software.for.research work.

Place: parbhani

Date: 12/01/2024.

Signature

Name: Shalaka S. Kalamnurkar

Contact No: 8208875709

PARTENT FEEDBACK

Aditya khiste

M.Tech. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Ambedas. D. khiste, Son
2. Name of students with Reg. No. Degree Prog.: Aditya. A. khiste, 2021AE/13M
3. Address of the parent: ----------
   Balasaheb Thakre Nagar, Jintur road Parbhani, 431401.
4. Name of Student's Adviser: Dr. R. V. Jaybhaye
5. Purpose of visit: ----------
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining thehostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent'sgeneral opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: ----------
9. Parent'ssuggestion for improvement

Signature of parent
Contact No. ----------
9096232499

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COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Ram Tukaram Vaidya (Father)
2. Name of students with Reg. No. Degree Prog.: Pallavi Ramrao Vaidya (2021AE114M
3. Address of the parent: Savta nagar, Pingli road, khanapur Parbhani. 431401.
4. Name of Student's Adviser: Dr. P.U. More.
5. Purpose of visit: ----------
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining thehostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent'sgeneral opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: ----------
9. Parent'ssuggestion for improvement Improve campus selection activities

Signature of parent

Contact No. 7768908555.

Table 8 : Feedback of Entrepreneur

S. No.	Name of Farmer	Mode of communication	Date	Concern	Action taken
1	Amol Harkal	Personal visit	26/12/2018	Enquiry regarding process technology popped and puffed products	Information regarding electrically operated multigrain popping cum puffing machine was given.
2	Sanjay Hatwar	Personal visit	04/01/2020	Enquiry for popping/ puffing of grain.	Information regarding popping/puffing machinery was given.
3	Dr. D. S. Bhawar	Personal visit	14/01/2020	Enquiry regarding processing machinery suitable for women.	Information of suitable processing technologies for start-ups for women was given.
4	Yogita Khandebharad	Personal visit	22/03/2020	Electrically operated roaster for popping of multigrain	Information of roaster was given.
5	Dr. Kanhaiya Kadam	Personal visit	20/10/2021	Enquiry new industries based on agricultural produce.	Technology support for new industries based on agricultural produce was given.
6	Vijay Jadhav	Personal visit	26/06/2022	Multigrain roaster	Information regarding roaster was given.
7	Avinash Tidke	Personal visit	27/09/2022	Processing of multigrain	Information was given regarding machinery available for popping/ puffing of multigrain.
8	Mahesh Mohagaonkar, Basmat	Visit to Manufacturers plant at Basmat	02/08/2022	Turmeric boiler mountings and accessories related	Guided about usage of certified mounting and accessories.
9	Tanpure,	In person visit to	16/09/2022	Turmeric	Helping in design of

	Padmati boilers Basmat	the Department		boiler capacity related issues	advance boilers
10	Madhav Barse, Malegaon	In person visit to the Department	29/07/2022	Turmeric boiler certificatio n issue	Given information of boiler regulating Government agency

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

Table 9 : Student intake and attrition in the M.Tech. programme in last five years

Name of the Degree Programme M.Tech	Students admitted					Attrition (%)				
	2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23
Processing and Food Engineering	-	03 2M/1F	04 2M/2F	03 1M/2F	02 2M	-	-	-	-	50

Table 10: Students intake and attrition M. Tech degree programme

Batch	M. Tech.			
	Students admitted		Dropped	
	M No.	F No.	M No.	F No.
2018-19	00	00	00	00
2019-20	02	01	00	00
2020-21	02	02	00	00
2021-22	01	02	00	00
2022-23	02	00	01	00

Table 11 : Students Pass out (M. Tech. degree programme)

Sr. No.	Year	No. of M. Tech. Students
1	2018-19	02
2	2019-20	01
3	2020-21	--
4	2021-22	03
5	2022-23	04

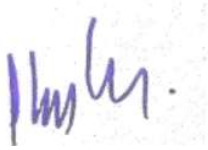
6.4.9 ICT Application in Curricula Delivery

The PG classrooms are equipped with LCD projectors for power point presentations. Following ICT tools are used in PG classrooms and laboratories for teaching and conducting practical of PG courses.

1. Desktop and Laptop
2. Document Camera/Visualize
3. Interactive White Board
4. Interactive Projector- Kayon
5. Simple-Projector
6. Speakers
7. Digital Camera
8. Printer
9. Wireless Microphone for Convenience
10. Digital Podium

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology**,** Parham hereby certify that the information contained in Section 6.4 (Section 6.4.1 to 6.4.9) are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

Master of Technology
(Agricultural Engineering) in
4) Farm Machinery and Power Engineering

6.4 Self Study Report of PG programmes

6.4.1 Brief history of PG programmes

The post-graduate programme leading to M.Tech. degree in Farm Machinery and Power Engineering was started in the year 1998 (MCAER order no. MCAER/EDU/CR-884/KA-2/603/96 dated 07 March 1996) with an intake capacity of two students. Further in 2002, M.Tech. degree programme was expanded with an intake capacity of four students.

The new and restructured PG programmes in Agricultural Engineering and Technology recommended by National Core Group of ICAR, New Delhi is being implemented from 2009-10 onwards. Since few academic staff were deputed for higher studies, the intake capacity of the M. Tech. programme was reduced to two students in 2018-19 and it was assumed as 4 students per disciplines afterwards.

The existing contents of M. Tech syllabus was examined critically, restructured, and updated keeping in view the latest developments in the subject areas.

Mission and Goals, Mandate of the College, Mission Statement, Goals and Objectives are same as given in department of Irrigation & Drainage Engineering.

Table 1: M.Tech. (Agril. Engg.) degree programmes offered with duration

Programme	Name of the Disciplines	Year of Establishment	Duration
M. Tech. (Agril. Engg.)	Farm Machinery and Power Engineering	2002-2003	2 Year (4 Sem.)

Salient features of organization of course contents and credit requirements:

Code Numbers, Course Contents**,** Major courses, Minor courses, Supporting courses and Non-Credit Compulsory courses are same as given in department of Irrigation & Drainage Engineering.

6.4.2 Faculty Strength

For smooth conduct of PG degree programme, in addition to the faculty members at College of Agricultural Engineering and Technology, services of faculties of Agricultural Engineering working under various establishments in the campus such as Agriculture Colleges and research stations of the University are being engaged for course work and research work.

For fulfilling the requirements of supporting special and non credit compulsory courses of PG programme, common arrangements are made at the University level.

Table 2 : Faculty position of Department of Farm Machinery and Power Engineering

Sr. No.	Post	Sanc. post	Filled Post	Vacant	Faculty Recommended by the ICAR regulatory body	Deviation (%)	Remarks
01.	Professor	0	0	0	1	100	Services of Teaching Staff from Agriculture, the research project such as AICRP on UAE, Dept. of REE & BSCT are spared and deputed to support the teaching and research activities at CAET.
02.	Associate Professor	1	1	0	2	50	
03.	Assistant Professor	3	3	0	3	00	

Major / Minor / Dual / Guest / Adhoc Faculty for Different Departments:

Sr. No.	Major Faculty	Minor Faculty	Dual Faculty	Guest / Ad-hoc Faculty	Other University Staff
01.	Dr. S.N. Solanki	Dr. R.T. Ramteke	-	-	(1) Prof. Bharti (Stat), (2) Dr. S.S. Kadam (Library Science), (3) Dr. P.S. Kapse (Ext. Education), (4) Dr. Suresh Waikar (Soil Science), (5) Dr. D.S. Perke (Economics)
02.	Dr. P.A. Munde	Prof. V.M. Bhosle	-		
03.	Dr. G.U. Shinde	Dr. R.V. Shinde	-	-	
04.	Prof. D.V. Patil		-	-	

6.4.3 Technical and supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work/ workshop / farm work are in place at this college.

Table 3 : Technical and supporting staff of Department of Farm Machinery and Power Engineering

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body	Deviation (%)
1	Senior Research Assistant	01	00	01	-	-
2	Lab Assistant	-	-	-	02	100
3	Lab Attendant	02	02	-	-	-
4	Sr. Mechanic	01	01	-	-	-
5	Driver	01	-	01	01	00
6	Peon	-	-	-	01	100
7	PA/Steno	-	-	-	01	100
8	Clerk	-	-	-	01	100

6.4.4 Classrooms and Laboratories

Department of Farm Machinery and Power Engineering has well developed PG classroom and well-equipped laboratories. The theory classes are conducted with the help of audio-visual aids like K-Yan, LCD projector, etc.

Practical are conducted in laboratories of the respective department, Field laboratories such as solar energy park, Animal Energy Park and farms of the research stations are being utilised for the demonstration of practical of PG courses. Computer laboratory, CAD-CAM laboratory are established in the college with software facilities like ARIS / LAN, Pro-E, ANSYS, MATLAB and Simulink, GIS and Design Expert and utilised for teaching and research work. Advanced equipments like IC engine test rig, digital hardness test rig, metal composition testing machine, CNC machine, engine test rig, Laser leveller, Workshop, Draftability Lab, Animal Drawn Agro Processing Unit, Cut Model of Tractor are available for practical and demonstration in the departments.

PG Classrooms

Separate classrooms for PG programme are established in Dept. of Farm Machinery and Power Engineering.

Laboratories

Table 4 : Details of Laboratory Department of Farm Machinery and Power Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Workshop	10.60	21.80	231	40
2	Farm Power	11.15	21.40	239	40
3	Engineering Drawing Hall	11.15	18.80	198	40
4	Implement Shed	16.50	29.60	488	40
5	Exhibition Hall	10.60	22.00	233	40
6	CAD- CAM Lab	06.00	15.00	90	40
7	Drawing Hall	11.15	17.80	198	40

Table 5 : Details of department wise list of equipments/instruments/implements

Sr. No.	Name of Equipment
Department of Farm Machinery and Power Engineering	
1	Tractor 50 hp-2 ; 25 hp-1 and 40 hp-3
2	Power Tiller, Reaper
3	Lathe Machine, CNC Machine, Shaper Machine, welding machine
4	Grinder
5	Tool kits with box (Ellen key set, Open end spanner set, Pliers, Nose pliers, Circlip pliers)
6	Cut sections of Tractor, Single and Multi cylinder engine, Air cleaner, Gear box, Differential, Battery, Fuel injection pump
7	Models of Electrical system, Lubrication system, Cooling system, Tractor hydraulic system
8	Mould board plough, Sub-soiler, Rotary tiller, Cultivator, Seed-cum fertilizer, drill Inclined plate planter, Vertical conveying reaper, Potato digger
9	Laser leveller
10	Set of animal drawn implements: disc harrow and cultivator
11	Potato planter, Sugarcane cutter planter
12	Knap sack sprayer
13	Wheat thresher, Paddy thresher, Multi crop thresher
14	Standard disc plough, Mould board
15	In addition, the equipment / machines available under farm machinery Testing centre are used for practical of PG students.

6.4.5 Conduct of Practical and Hands on Training:

Conduct of Practical

The practical and hands on training are conducted in the laboratories in the department and field allocated to department. The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the laboratories, on farm, workshops, animal energy park. The techniques are demonstrated to the students and actual experiments are performed.

Hands on Training

The students are deputed to different industries such as Tractor, Farm Implements, NGO's, Research Organizations for advanced training for the period of three weeks for M. Tech. programmed in order to get exposure. The training constitutes practical activities such as production process, quality testing, measurements and research and developmental activities to promote their innovative ideas and skills. Students acquire skills through hands-on practice. The students are also exposed to marketing and management activities of various enterprises. Training helps the students to minimize the gap between theoretical knowledge and practical applications. The students also get an idea for planning and execution of their PG research work.

6.4.6 Supervision of students in M. Tech. programme

One supervisor (guide) is allotted to every PG Student for supervision of research work. Supervisor monitors academic and research activities of students through Student Advisory Committee.

Table 6: Details of students allotted for supervision of research work in the M.Tech. degree programme.

S. No.	Year	No of Students
1	2018-19	02
2	2019-20	04
3	2020-21	02
4	2021-22	05
5	2022-23	01

Table 7 : Details of students allotted for supervision of research work in the M.Tech. degree programme (Department of FMPE)

S. No.	Year	Name of Faculty	No of Students
1	2018-19	Dr. S.N. Solanki	02
2	2019-20	Dr. S.N. Solanki Dr. R.T. Ramteke Dr. P.A. Munde Dr. G.U. Shinde	01 01 01 01
3	2020-21	Dr. S.N. Solanki Dr. P.A. Munde	01 01
4	2021-22	Dr. G.U. Shinde Dr. S.N. Solanki Dr. R.T. Ramteke	02 02 01
5	2022-23	Dr. P.A. Munde	01

6.4.7 Feedback of stakeholders (Students and parents, industries, etc.)

College has well defined feedback mechanism of different stakeholders i.e. students, parents and industries. Real feedback of the students was also collected frequently from the suggestion and complaint box placed near Associate Dean and Principal office. Regular students-parents meeting with college authorities were organized to take feedback from the parents. Employers are encouraged to give their feedback during monthly meetings while farmers suggestions and feedback were taken directly through regular inward procedure. College authority has acted as per rules on the issues raised in the feedback of stakeholders.

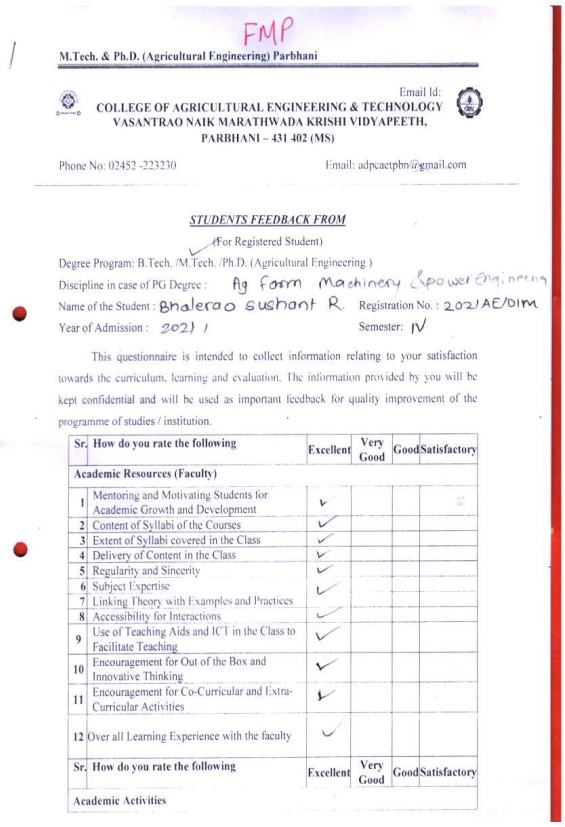
Student's Feedback Mechanism

- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Student are submitting the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the college in developing both academic and non-academic facilities.
- In addition the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized and specific suggestions are discussed in the monthly meeting. The suggestions and feedbacks are addressed by the concerned college committee.
- Feedbacks are also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedbacks are also will be taken up by in the Faculty Meeting to formulate policies.

Students' Feedback



FMP

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Email Id:

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

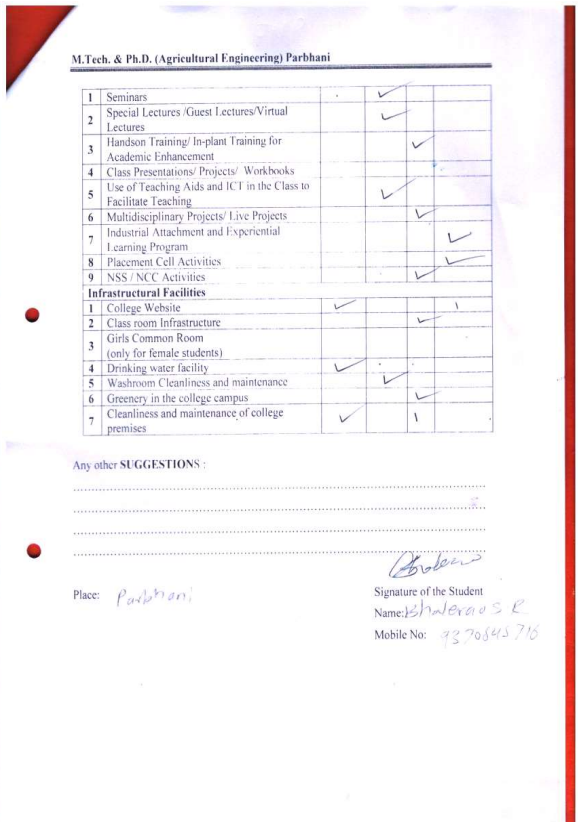
Discipline in case of PG Degree : Ag Farm Machinery & Power Engineering

Name of the Student : Bhaleraо Sushant R. Registration No. : 2021AE/DIM

Year of Admission : 2021 Semester: IV

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
10	Encouragement for Out of the Box and Innovative Thinking	✓			
11	Encouragement for Co-Curricular and Extra-Curricular Activities	✓			
12	Over all Learning Experience with the faculty	✓			
Sr.	**How do you rate the following**	**Excellent**	**Very Good**	**Good**	**Satisfactory**
Academic Activities					



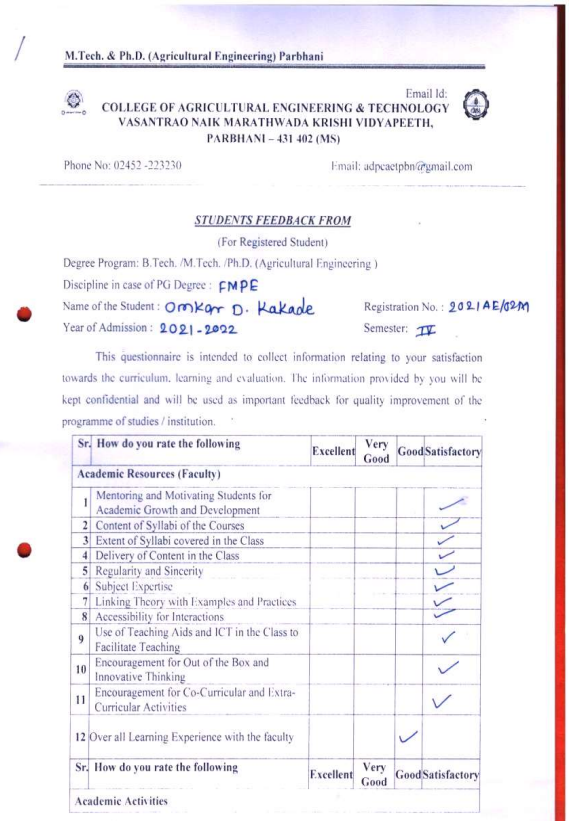
M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars		✓		
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement			✓	
4	Class Presentations/ Projects/ Workbooks				
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects			✓	
7	Industrial Attachment and Experiential Learning Program				✓
8	Placement Cell Activities				✓
9	NSS / NCC Activities			✓	
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure			✓	
3	Girls Common Room (only for female students)				
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance		✓		
6	Greenery in the college campus			✓	
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

Place: Parbhani

Signature of the Student
Name: Bhaleraо S R
Mobile No: 9370845718



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Email Id:

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

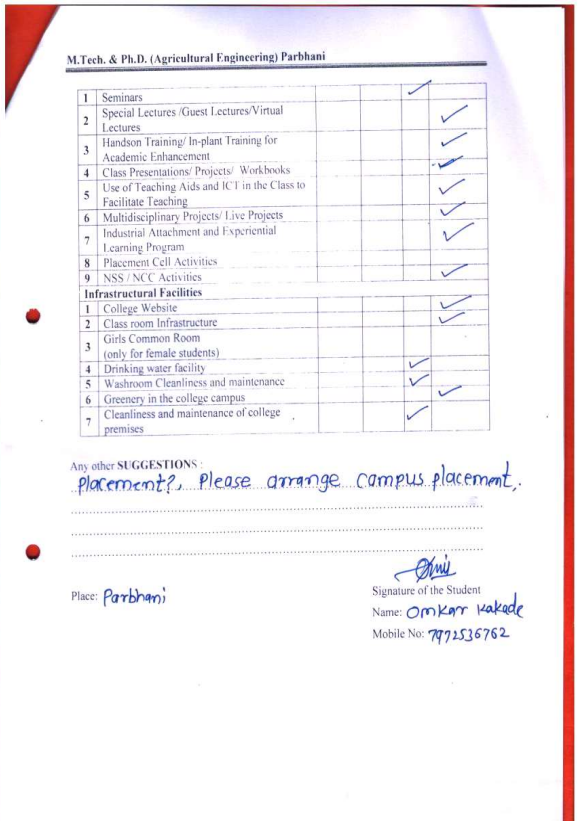
Discipline in case of PG Degree : FMPE

Name of the Student : Omkar D. Kakade Registration No. : 2021AE/02M

Year of Admission : 2021-2022 Semester: IV

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development				✓
2	Content of Syllabi of the Courses				✓
3	Extent of Syllabi covered in the Class				✓
4	Delivery of Content in the Class				✓
5	Regularity and Sincerity				✓
6	Subject Expertise				✓
7	Linking Theory with Examples and Practices				✓
8	Accessibility for Interactions				✓
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching				✓
10	Encouragement for Out of the Box and Innovative Thinking				✓
11	Encouragement for Co-Curricular and Extra-Curricular Activities				✓
12	Over all Learning Experience with the faculty			✓	
Sr.	**How do you rate the following**	**Excellent**	**Very Good**	**Good**	**Satisfactory**
Academic Activities					



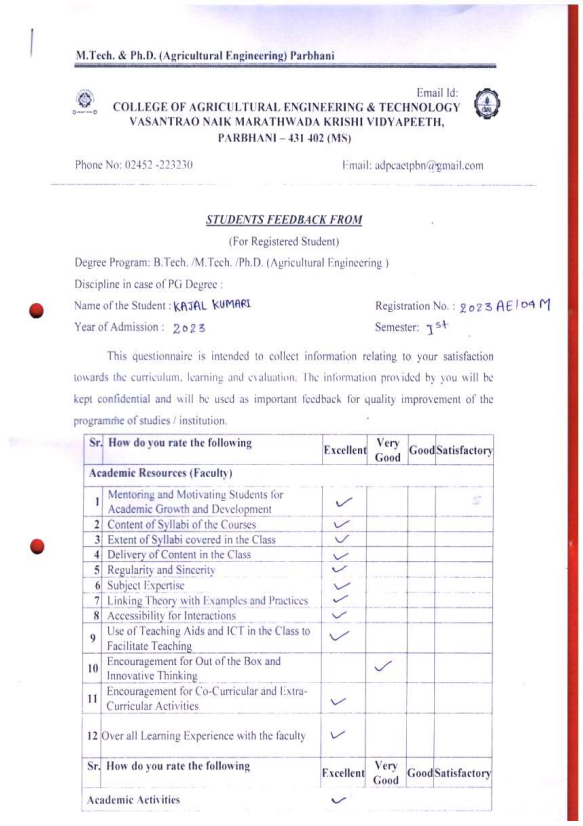
M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars			✓	
2	Special Lectures /Guest Lectures/Virtual Lectures				✓
3	Handson Training/ In-plant Training for Academic Enhancement				✓
4	Class Presentations/ Projects/ Workbooks				✓
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching				✓
6	Multidisciplinary Projects/ Live Projects				✓
7	Industrial Attachment and Experiential Learning Program				✓
8	Placement Cell Activities				✓
9	NSS / NCC Activities				✓
Infrastructural Facilities					
1	College Website				✓
2	Class room Infrastructure				✓
3	Girls Common Room (only for female students)				
4	Drinking water facility			✓	
5	Washroom Cleanliness and maintenance			✓	
6	Greenery in the college campus				✓
7	Cleanliness and maintenance of college premises			✓	

Any other **SUGGESTIONS** :
placement?, Please arrange campus placement.

Place: Parbhani

Signature of the Student
Name: Omkar Kakade
Mobile No: 7972536762



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

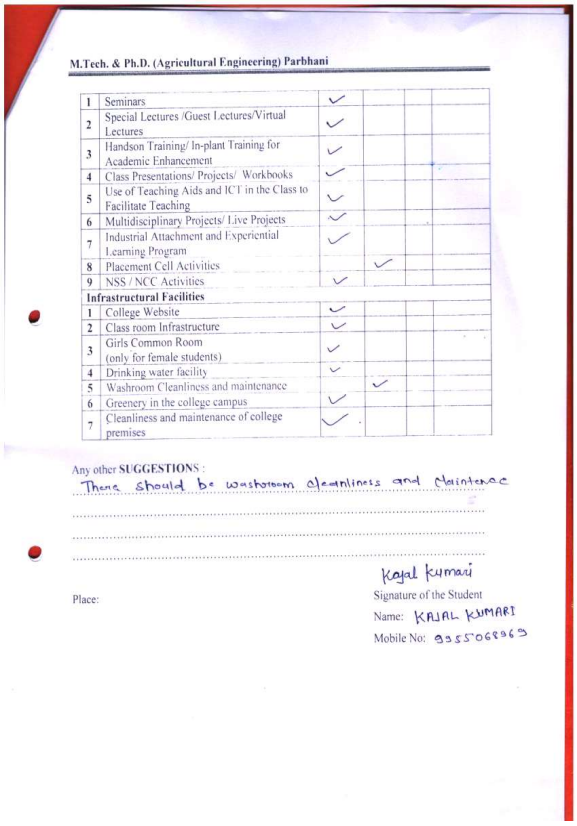
Discipline in case of PG Degree :

Name of the Student : KAJAL KUMARI Registration No. : 2023 AE/04 M

Year of Admission : 2023 Semester: 1st

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities	✓			
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities		✓			



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures	✓			
3	Handson Training/ In-plant Training for Academic Enhancement	✓			
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
6	Multidisciplinary Projects/ Live Projects	✓			
7	Industrial Attachment and Experiential Learning Program	✓			
8	Placement Cell Activities		✓		
9	NSS / NCC Activities	✓			
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure	✓			
3	Girls Common Room (only for female students)	✓			
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance		✓		
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

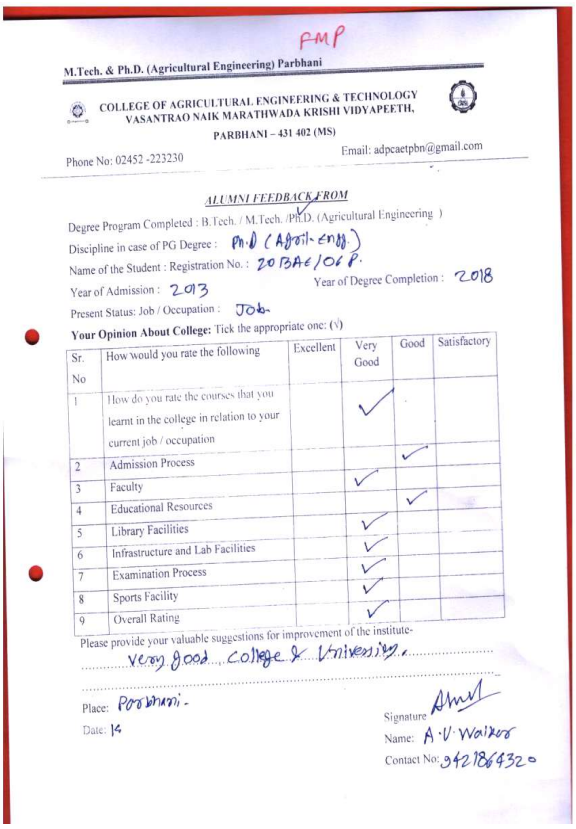
Any other **SUGGESTIONS** :

There should be washroom cleanliness and maintenace

Place:

Kajal kumari
Signature of the Student
Name: KAJAL KUMARI
Mobile No: 9355068969

Alumni Feedback



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M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)

Discipline in case of PG Degree : Ph.D (Agril. Engg.)

Name of the Student : Registration No. : 2013AE/06P.

Year of Admission : 2013 Year of Degree Completion : 2018

Present Status: Job / Occupation : Job

Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation		✓		
2	Admission Process			✓	
3	Faculty		✓		
4	Educational Resources			✓	
5	Library Facilities		✓		
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility		✓		
9	Overall Rating		✓		

Please provide your valuable suggestions for improvement of the institute-

Very Good College & University.

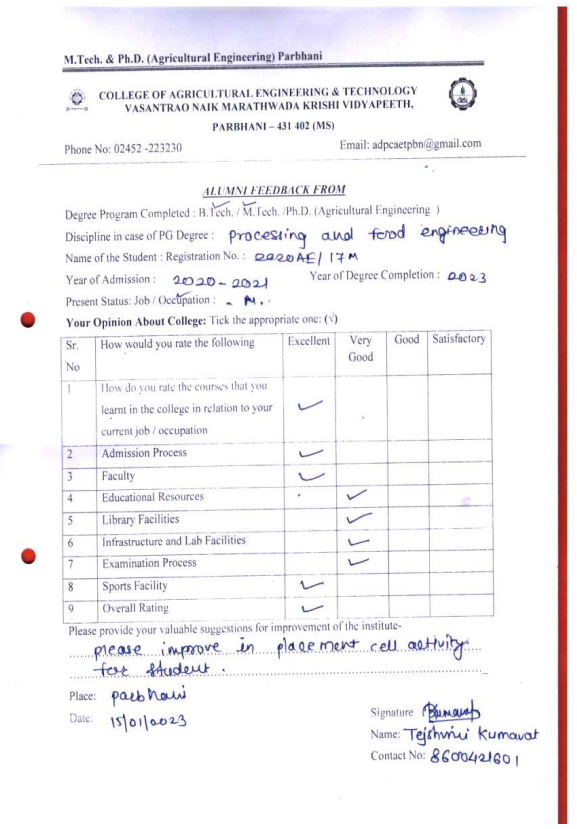
Place: Parbhani.

Date: 14

Signature

Name: A.V. Walzar

Contact No: 9421864320



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)

Discipline in case of PG Degree : Processing and food engineering

Name of the Student : Registration No. : 2020AE/17M

Year of Admission : 2020-2021 Year of Degree Completion : 2023

Present Status: Job / Occupation : - M.-

Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation	✓			
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources		✓		
5	Library Facilities		✓		
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility	✓			
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-

please improve in placement cell activity. free student.

Place: parbhani

Date: 15/01/2023

Signature

Name: Tejshvini Kumavat

Contact No: 8600421801

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree :
Name of the Student : Registration No. : 2014AE/39B
Year of Admission : 2014 Year of Degree Completion : 2019
Present Status: Job / Occupation : Job

Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
		✓			
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation	✓			
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources	✓			
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities	✓			
7	Examination Process	✓			
8	Sports Facility	✓			
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-

Place: parbhani
Date:

Signature AJay
Name: AJAY MAHADE MUNDHE
Contact No: 8668706139

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Farm Machinery & Power Engineering
Name of the Student : Registration No. : Dr. Deshvena Shailaja Swamirao
Year of Admission : 2014- 2015 Year of Degree Completion : 2019
Present Status: Job / Occupation : Teaching Associate (FMPE) Dept.

Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation		✓		
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources	✓			
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility		✓		
9	Overall Rating		✓		

Please provide your valuable suggestions for improvement of the institute-
For improvement of the institute we required "placement cell" should be improved, Improve Infrastructure & lab facilities more than this condition which is available.

Place: Parbhani.
Date:

Signature sDeshvena
Name: Dr. Deshvena. S.S.
Contact No: 8275676656

Parents' Feedback

FMP

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: श्री. देशवेना स्वामीराव, रा.
2. Name of students with Reg. No. Degree Prog.: कु. शैलजा स्वामीराव देशवेना
3. Address of the parent: एस. मस्तू. देशवेना. यशवंत नगर, खानापूर फाटा. वसमत रोड, परभणी.
4. Name of Student's Adviser: जी. यु. शिंदे.
5. Purpose of visit: शेतकरी मेळावा.
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes ✓ / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good ✓ / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good ✓ / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good ✓ / Good / Satisfactory
   - Present Fees structure: Satisfactory ✓ / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: सर्व बाबीवरील निकष अत्यंत आहे की. Ladies Hostel सुविधा अर्वाचीन आहेत.
9. Parent's suggestion for improvement
कृषि अभियांत्रिकी महाविद्यालय हे चांगल्या प्रकारे Programme run करतात व पुढील काही वर्षात विद्यापीठात नवीन भरती व्हावी ज्या रिक्त जागा आहेत त्यावर लेगेच करुन आणखीन सुरळीत काम चालेल. व त्वरित कार्यालयीन कामे पार पाडतील.

Signature of parent: [signature] श्री. Swamirao Deshvena
Contact No. 9922666690.

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

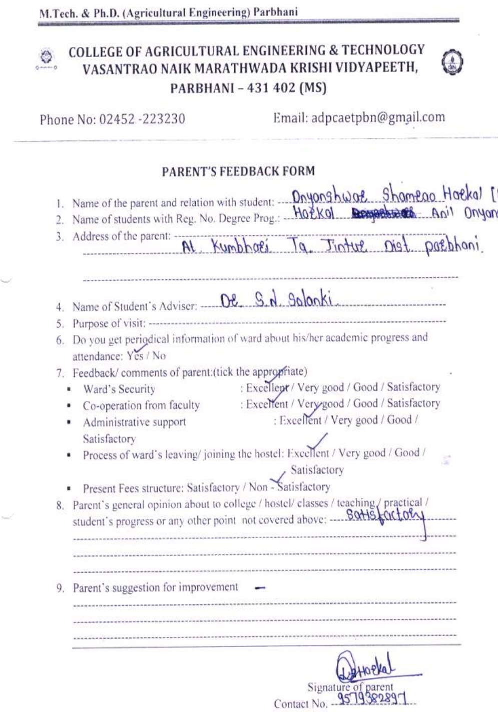
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Raju Vitthal Bhalerao, Father
2. Name of students with Reg. No. Degree Prog.: Sushant Raju Bhalerao
3. Address of the parent: Pragati Nagar, Haregaon fata, Shirasgaon Tq. Shrirampur, Dist: Ahemednagar
4. Name of Student's Adviser: G. U. Shinde
5. Purpose of visit:
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes ✓ / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good ✓ / Good / Satisfactory
   - Co-operation from faculty : Excellent ✓ / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good ✓ / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good ✓ / Good / Satisfactory
   - Present Fees structure: Satisfactory ✓ / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above:
9. Parent's suggestion for improvement

Signature of parent: [signature]
Contact No. 8208799057

-



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
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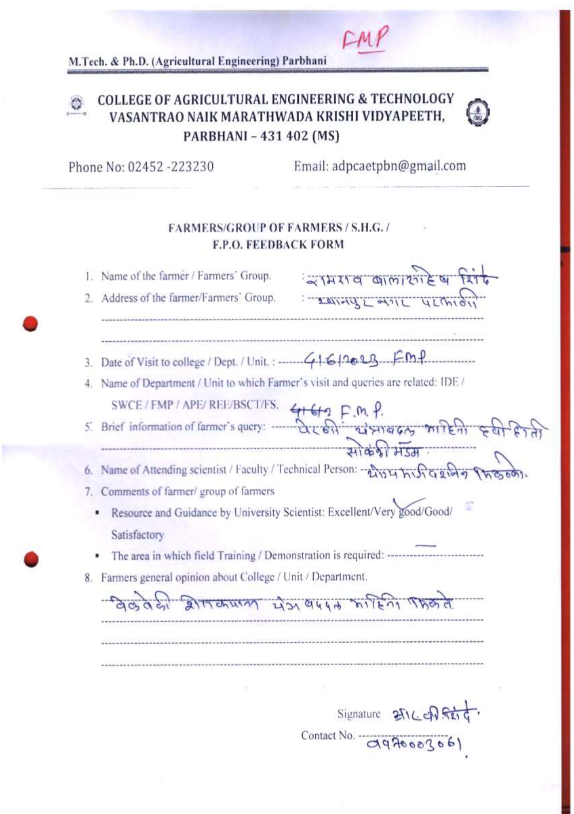
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Dnyanshwar Shamrao Harkal [Father]
2. Name of students with Reg. No. Degree Prog.: Harkal [illegible] Anil Dnyanshwar
3. Address of the parent: At. Kumbhari Ta. Jintur Dist. Parbhani.
4. Name of Student's Adviser: Dr. S.N. Solanki.
5. Purpose of visit:
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: Satisfactory
9. Parent's suggestion for improvement –

Signature of parent
Contact No. 9579382897

Farmer Group's Feedback



FMP

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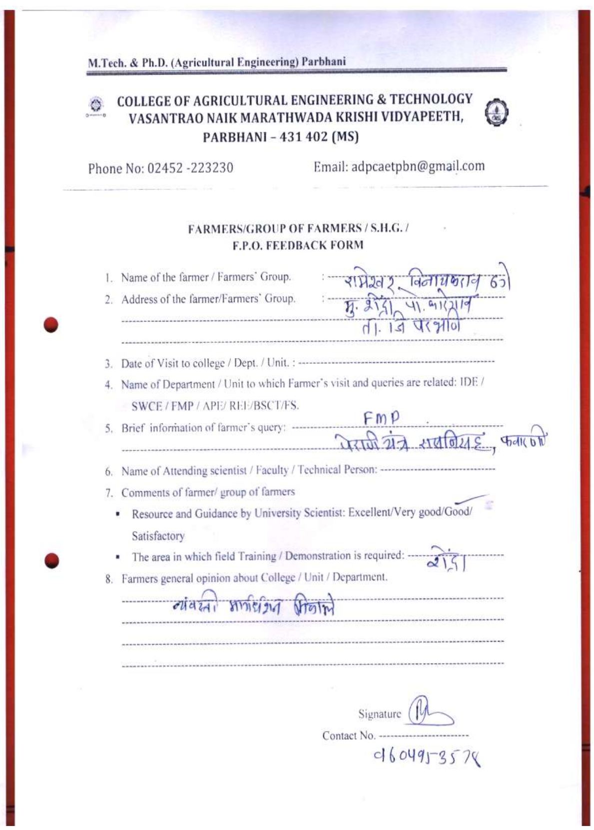
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : [illegible]
2. Address of the farmer/Farmers' Group. : [illegible]
3. Date of Visit to college / Dept. / Unit. : 4/6/2023 FMP
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS. F.M.P.
5. Brief information of farmer's query: [illegible]
6. Name of Attending scientist / Faculty / Technical Person: [illegible]
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: —
8. Farmers general opinion about College / Unit / Department.
   [illegible]

Signature [illegible]
Contact No. 9970003061



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PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : [illegible]
2. Address of the farmer/Farmers' Group. : [illegible] ता. जि परभणी
3. Date of Visit to college / Dept. / Unit. :
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: FMP [illegible]
6. Name of Attending scientist / Faculty / Technical Person:
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: [illegible]
8. Farmers general opinion about College / Unit / Department.
   [illegible]

Signature
Contact No. 9604953578

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : कालिदास बाबुराव ढेगे
2. Address of the farmer/Farmers' Group. : शेंद्रा ता. जि परभणी
3. Date of Visit to college / Dept. / Unit. : F.M.P
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: ट्रॅक्टर माहिती
6. Name of Attending scientist / Faculty / Technical Person: पाटील सर
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: ------------------------
8. Farmers general opinion about College / Unit / Department.
   योग्य माहिती मिळाली

Signature कालिदास
Contact No. 9673784178

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : चंद्रकांत प्रल्हादराव देशमुख
2. Address of the farmer/Farmers' Group. : लंगोटे गल्ली, परभणी
3. Date of Visit to college / Dept. / Unit. : FMPE
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: हळद लागवड पेरणी यंत्र पाहण्यासाठी
6. Name of Attending scientist / Faculty / Technical Person: डॉ. सोळंकी मॅडम
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: ------------------------
8. Farmers general opinion about College / Unit / Department.
   हळद लागवड बद्दल सर्व माहिती मिळाली

Signature Chandrakant
Contact No. 9022873693

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : नामदेव बाबुराव गिरी.
2. Address of the farmer/Farmers' Group. : सरकार कॉलनी परभणी.
3. Date of Visit to college / Dept. / Unit. : ENGINEERING COLLEGE
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: ------------------------
6. Name of Attending scientist / Faculty / Technical Person: ------------------------
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: ------------------------
8. Farmers general opinion about College / Unit / Department.
   योग्य माहिती मिळाली.

Signature गिरी
Contact No. 9403221152

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

Table 8 : Student intake and attrition in the M.Tech. programme in last five years

Name of the Degree Programme M.Tech	Students admitted					Attrition (%)				
	2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23
Farm Machinery and Power Engineering	03 2M/1F	04 2M/2F	04 3M/1F	05 2M/3F	02 1M/1F	33.33	-	50	-	50

Table 9 : Students intake and attrition M. Tech degree programme

Batch	M. Tech.			
	Students admitted		Dropped	
	M No.	F No.	M No.	F No.
2018-19	02	01	00	01
2019-20	02	02	00	00
2020-21	03	01	01	01
2021-22	02	03	00	00
2022-23	01	01	01	00

Table 10 : Students Pass out (M. Tech. degree programme)

Sr. No.	Year	No. of M. Tech. Students
1	2018-19	02
2	2019-20	02
3	2020-21	02
4	2021-22	04
5	2022-23	02

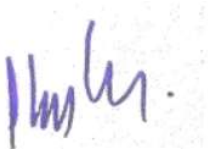
6.4.9 ICT Application in Curricula Delivery

The PG classrooms are equipped with LCD projectors for power point presentations. Following ICT tools are used in PG classrooms and laboratories for teaching and conducting practical of PG courses.

1. Desktop and Laptop
2. Document Camera/Visualize
3. Interactive White Board
4. Interactive Projector- Kayon
5. Simple-Projector
6. Speakers
7. Digital Camera
8. Printer
9. Wireless Microphone for Convenience
10. Digital Podium

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology**,** Parham hereby certify that the information contained in Section 6.4 (Section 6.4.1 to 6.4.9) are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

6.4 Self-Study Report of the Ph.D. Programme

Doctor of Philosophy (Agricultural Engineering) in

1) Irrigation and Drainage Engineering

6.4 Self Study Report of Ph. D. programmes

6.4.1 Brief history of Ph.D. programmes

In 2013-14, Ph.D. (Agri. Engg.) degree programme of Irrigation and Drainage Engineering with intake capacity of two students as per MCAER decision No. 21/88/2013 of order No. MCAER/EST-5/ACM-2113/1649/2013 has been started.

The existing contents of Ph.D. level syllabus were examined critically, restructured and updated keeping in view the latest developments in the subject areas.

Mission and Goals

Mandate of the College

The institute is working with three mandates of education, research and extension in which the institute imparts quality education, conducts applied research and transfers Agricultural Engineering technologies to farmers and students.

Mission Statement

To impart professional knowledge and skills to students to empower them for self –employment.

Goals

- To meet the needs of farmers, industries, R & D organizations and educational institutions.

- To develop capabilities among the students for their overall professional development and make them updated to face the future challenges in agriculture.
- Continuing education to impart for re-engineering on socio-economic systems in the light of global technology changes.

Objectives

- To educate postgraduates in the field of Agricultural Engineering so as to prepare them as leaders in industry and profession.
- To upgrade the laboratories and infrastructure facilities as per the requirements of syllabus for providing quality education.
- To conduct need-based quality research by applying engineering principles to solve the problems of agricultural eco-system and also making sincere efforts to transfer the agricultural engineering technologies for empowerment of students and farmers.
- To update the faculty by exposing them to advanced trainings and higher studies.
- To establish Institute-Industry linkages.
- To establish collaborations through MoUs with various research organizations and institutes, to conduct innovative research..

Table 1: Ph.D. (Agril. Engg.) degree programmes offered with duration

Ph.D. (Agril. Engg.) degree programmes offered with duration			
Ph. D. (Agril. Engg.)	1) Irrigation and Drainage Engineering	2013-2014	3 Year (6 Sem.)

Salient features of organization of course contents and credit requirements:

Code Numbers

- All courses are divided into series: 600-series courses pertain to Doctoral level. A PhD student have to take a minimum of two 600 series courses, but may also take 500-series courses if not studied during Master's programme.
- Two Credit seminars for Doctoral level programme are coded as 691 and 692, respectively.
- Similarly 699 codes have been given for Doctoral research.

Course Contents

The contents of each course are organized into:

- Objective - to elucidate the basic purpose.
- Theory units - to facilitate uniform coverage of syllabus for paper setting.

- The list of journals pertaining to the discipline is provided at the end of course content which is useful as study material for 600-series courses as well as research topics.
- E-Resources are provided for quick update on specific topics/events pertaining to the subject.
- Broad research topics provided at the end would facilitate the advisors for appropriate research directions to the PhD students.

Major courses: The subject discipline (Department) in which the students take admission

Minor courses: The subject closely related to student's major subject.

Supporting courses: The subject not related to the major subject. It could be any subject considered relevant for student's research work.

Non-Credit Compulsory courses: Six courses (PGS 501 to PGS 506) are of general nature. Ph. D. students are exempted from these courses if they have already studied during their Master's degree.

Minimum course and research credits requirement for the award of Ph. D. (Agril. Engg.) degree is given in Table 2.

Table 2: Minimum course and research credits requirement for the award of Ph.D. (Agril.Engg.) degree (till 2021-22)

Credit Distribution	Ph.D. (Agril. Engg.)
Major courses	15
Minor courses	08
Supporting Courses	05
Seminar	02
Research Work	45
Non-credit compulsory courses	06
Total	**75**

Minimum Credit requirement as per BSMA syllabus implemented from 2022-23

Course Details	Ph.D. (Agril. Engg.)
Major Courses	12
Minor Courses	06
Supporting / Optional	05
Common PGS Courses	05*
Seminar	02
Research	75
Total	**100**

*if not completed at Master's level

Course structure of Master's Programme as per BSMA Syllabus (2022-23)

6.4.2 Faculty Strength

For smooth conduct of Ph.D. degree programme, in addition to the faculty members at College of Agricultural Engineering and Technology, services of faculties of Agricultural Engineering working under various establishment in the campus such as Agriculture Colleges and research stations of the University are being engaged for course work and research work.

For fulfilling the requirements of supporting special and non credit compulsory courses of Ph.D. programme, common arrangements are made at the University level.

Table 3 : Faculty position: Department of Irrigation and Drainage Engineering

Sr. No.	Post	Sanc. post	Filled Post	Vacant	Faculty Recommended by the ICAR regulatory body	Deviation (%)	Remarks
01.	Professor	0	0	0	1	100	Services of Teaching Staff from Agriculture, the research project & dept. of Agriculture Engineering COA, VNMKV, Parbhani & BSCT are spared and deputed to support the teaching and research activities at CAET.
02.	Associate Professor	1	0	0	2	50	
03.	Assistant Professor	2	2	0	3	33	

Major / Minor / Dual / Guest / Adhoc Faculty for Different Departments:

Sr. No.	Major Faculty	Minor Faculty	Dual Faculty	Guest/ Adhoc Faculty	Other University Staff
01.	Dr. H.W. Awari	Prof. B.W. Bhuibhar	Dr. M.S. Pendke	--	(1) Prof. Bharti (Stat), (2) Dr. S.S. Kadam (Library Science), (3) Dr. P.S. Kapse (Ext. Education), (4) Dr. Suresh Waikar (Soil Science), (5) Dr. D.S. Perke (Economics)
02.	Dr. S.B. Jadhav	Dr. M.R. More	--	--	
03.	Dr. V.K. Ingle	Dr. S.D. Vikhe	--	--	
04.	Dr. U.M. Khodke	Prof. V.M. Bhosle	--	--	
05.		Dr. R.V. Shinde	--	--	

6.4.3 Technical and supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work/ workshop / farm work are in place at this college.

Table 4: Technical and supporting staff of Department of Irrigation and Drainage Engineering

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body	Deviation (%)
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	01	00	01	02	50
4	Peon	-	-	-	01	100

6.4.4 Classrooms and Laboratories

Each department of Irrigation and Drainage Engineering has well developed PG classroom and well-equipped laboratories. The theory classes are conducted with the help of audio visual aids like K-Yan, LCD projector, etc.

Practical are conducted in laboratories of the department, Field laboratories such as micro irrigation laboratory, green house structures, and farms of the research stations are being utilised for the demonstration of practical. Computer laboratory, CAD-CAM laboratory and language laboratory are established in the college with software facilities like ARIS / LAN, A to Z Watershed software, Pro-E, ANSYS, MATLAB and Simulink, GIS and Design Expert and utilised for teaching and research work. Advanced equipments like total survey station, pump test rig, digital hardness test rig, Leaf area meter, water quality kit, Laser leveller, Water activity meter, Extruder, electrically operated roaster, Universal testing machine and compression testing machine are available for practical and demonstration in the department.

Classrooms

Separate classrooms for Ph.D. programme are established in Dept. of Irrigation and Drainage Engineering

Laboratories

Table 5 : Details of Laboratory Department of Irrigation and Drainage Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Irrigation Engineering Lab.	14.10	11.30	159	40
2	Fluid mechanics and Micro Irrigation Lab.	11.30	21.00	237	40

3	Micro Irrigation Field Lab.	100	100	10000	40
4	Geo-informatics Computer Lab.	3.00	4.00	12.00	10
5	Lysimeter-AWS Field Lab.	140	100	14000	40

Table 6 : Details of department wise list of equipments/instruments/implements

Sr. No.	Name of Equipment
Department of Irrigation and Drainage Engineering	
1	Oven, Tensiometer, Electrical Conductivity Meter
2	Double Ring Infiltrometer, pH Meter,
3	Water Quality Testing Kit
4	Sprinkler and Drip Irrigation System Components
5	Irrigation Water Measuring Devices (V-Notch, Parshall Flume, H-Flume, Orifice Plate)
6	Venturimeter, orifice meter setup, Parshall Flumes, Mouthpiece
7	Bernoulli's Theorem Apparatus
8	Meta-centric height Apparatus
9	Tilting flume apparatus
10	Current meter, Pan evaporimeter, Electrical resistivity meter
11	Different manometers
12	Different components of pumping unit: impellers, foot valves, etc.
13	Different flow control valves for pipe flow
14	Different types of pipes and pipe fittings
15	Pump test rig
16	Different models: water regulating structures in canal irrigation: head regulators, canal regulators, cross drainage works, etc
17	Water Quality Analysis kit
18	Flame Photo meter
19	Leaf Area meter
20	Drip Irrigation Automation Unit

6.4.5 Conduct of Practical and Hands on Training:

Conduct of Practical

The practical and hands on training are conducted in the laboratories of respective departments and field allocated to concern department.

The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the respective laboratories, on farm, workshops, ELP unit, solar energy park, Micro irrigation laboratory, farm ponds, green house and shade net structures. The techniques are demonstrated to the students and actual experiments are performed.

6.4.6 Supervision of students in Ph. D. programme

One supervisor (guide) is allotted to every Ph.D. Student for supervision of research work. Supervisor monitors academic and research activities of students through Student Advisory Committee.

Table 7 : Details of students allotted for supervision of research work in the Ph.D. degree programme (Department of IDE)

S. No.	Year	Name of Faculty	Ph. D.
1	2018-19	--	--
2	2019-20	--	--
3	2020-21	--	--
4	2021-22		
5	2022-23	Dr. U.M.Khodke	01

6.4.7 Feedback of stakeholders (Students, parents, industries etc.)

College has well defined feedback mechanism of different stakeholders i.e. students, parents and industries. Real feedback of the students was also collected frequently from the suggestion and complaint box placed near Associate Dean and Principal office. Regular students-parents meeting with college authorities were organized to take feedback from the parents. College authority has taken action as per rules on the issues raised in the feedback of stakeholders.

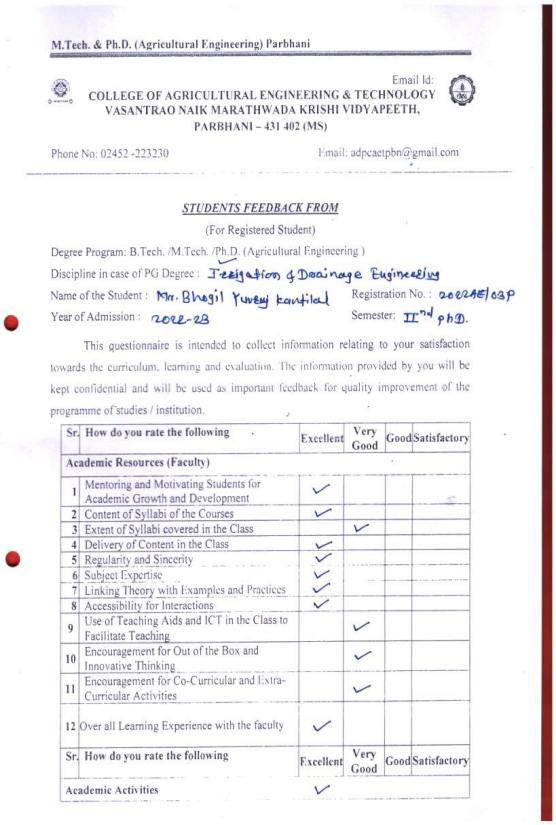
Student's Feedback Mechanism

- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Student are submitting the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the college in developing both academic and non-academic facilities.
- In addition the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized and specific suggestions are discussed in the monthly meeting. The suggestions and feedbacks are addressed by the concerned college committee.
- Feedbacks are also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedbacks are also will be taken up by in the Faculty Meeting to formulate policies.

Ph.D. Students' Feedback



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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PARBHANI – 431 402 (MS)

Email Id:
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

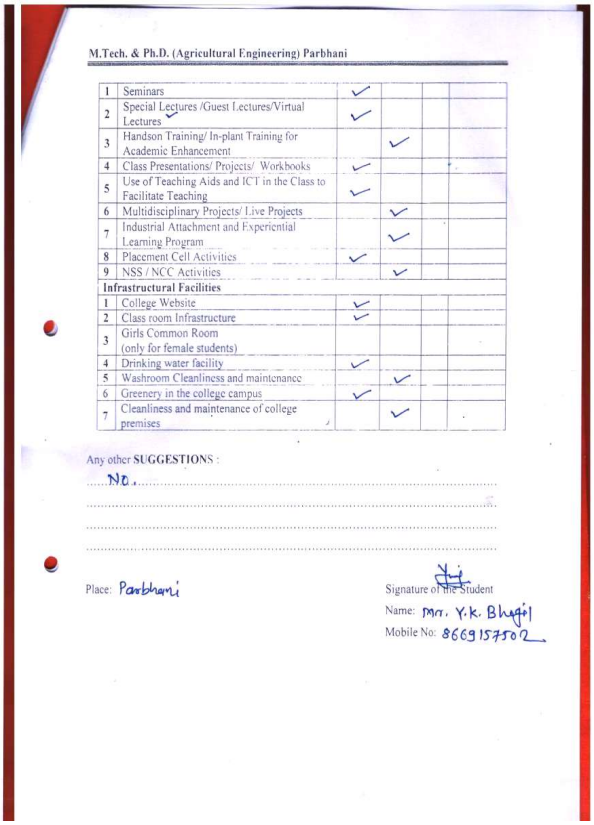
STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Irrigation & Drainage Engineering
Name of the Student : Mr. Bhagil Yuvraj kantilal Registration No. : 2022AE/03P
Year of Admission : 2022-23 Semester: IInd PhD.

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class		✓		
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities		✓		
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities		✓			



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures	✓			
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
6	Multidisciplinary Projects/ Live Projects		✓		
7	Industrial Attachment and Experiential Learning Program		✓		
8	Placement Cell Activities	✓			
9	NSS / NCC Activities		✓		
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure	✓			
3	Girls Common Room (only for female students)				
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance		✓		
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises		✓		

Any other SUGGESTIONS :
ND.

Place: Parbhani

Signature of the Student
Name: Mr. Y.K. Bhagil
Mobile No: 8669157502

Parent's Feedback

IDE

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Varsha Bansi Pawar (sister)
2. Name of students with Reg. No. Degree Prog.: Varsha Bansi Pawar 2021AE/06FM
3. Address of the parent: At: Wanjarwadi, Post: madalmohi, Ta: Georai, Dist: Beed - 431402.
4. Name of Student's Adviser: Dr. V.K. Ingle.
5. Purpose of visit: For college visit.
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above:
9. Parent's suggestion for improvement

Varsha
Signature of parent
Contact No. 7420909024

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Sharatrao D Chaudhari (Father)
2. Name of students with Reg. No. Degree Prog.: Chaudhari Vipul S (2021AE/17M) IDE
3. Address of the parent: At post Varkhede, Tal. Dist. Dhule.
4. Name of Student's Adviser: Dr. S. D. Vikhe
5. Purpose of visit: Academic progress
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above:
9. Parent's suggestion for improvement

Signature of parent
Contact No. 9860185519

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Prabhakar Bhoje (father)
2. Name of students with Reg. No. Degree Prog.: Ankur Bhoje 2021AE/05M (IDE)
3. Address of the parent:
4. Name of Student's Adviser: Dr. V.K. Ingle
5. Purpose of visit:
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above:
9. Parent's suggestion for improvement

Signature of parent
Contact No. 9515871792

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : Raju Shinde
2. Address of the farmer/Farmers' Group. : At: balsa parbhani
3. Date of Visit to college / Dept. / Unit. : 02/01/2023
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: Inquiry about sensor in drip irrigation
6. Name of Attending scientist / Faculty / Technical Person: Dr. H.W. Awari
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required:
8. Farmers general opinion about College / Unit / Department.

Raju
Signature
Contact No. 9552333558

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

Table 8: Student admitted and attrition in Ph.D. programme in last five years

Name of the Degree Programme Ph. D.	Students admitted					Attrition (%)				
	2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23
Irrigation and Drainage Engineering	-	-	-	-	01 1M	-	-	-	-	-

Table 9: Students intake and attrition Ph. D. degree programme

Batch	Ph. D.			
	Students admitted		Dropped	
	M No.	F No.	M No.	F No.
2018-19	00	00	00	00
2019-20	00	00	00	00
2020-21	00	00	00	00
2021-22	00	00	00	00
2022-23	01	00	00	00

Table 10 : Students Pass out (Ph.D. degree programme)

Sr. No.	Year	No. of Ph.D. students
1	2018-19	03
2	2019-20	-
3	2020-21	02
4	2021-22	-
5	2022-23	-

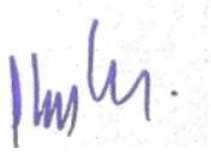
6.4.9 ICT Application in Curricula Delivery

The PG classrooms are equipped with LCD projectors for power point presentations. Following ICT tools are used in PG classrooms and laboratories for teaching and conducting practical of PG courses.

1. Desktop and Laptop
2. Document Camera/Visualize
3. Interactive White Board
4. Interactive Projector- Kayon
5. Simple-Projector
6. Speakers
7. Digital Camera
8. Printer
9. Wireless Microphone for Convenience
10. Digital Podium

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology**,** Parbhani hereby certify that the information contained in Section 6.4 (Section 6.4.1 to 6.4.9) are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

Doctor of Philosophy (Agricultural Engineering) in

2) Soil and Water Conservation Engineering

6.4 Self Study Report of Ph. D. programmes

6.4.1 Brief history of Ph.D. programmes

In 2013-14, Ph.D. (Agri. Engg.) degree programme of Soil & Water Conservation Engineering with intake capacity of two students as per MCAER decision No. 21/88/2013 of order No. MCAER/EST-5/ACM-2113/1649/2013 has been started.

The existing contents of Ph.D level syllabus were examined critically, restructured and updated keeping in view the latest developments in the subject areas.

Mission and Goals, Mandate of the College, Mission Statement, Goals and Objectives are same as given in department of Irrigation & Drainage Engineering.

Table 1: Ph.D. (Agril. Engg.) degree programmes offered with duration

Ph.D. (Agril. Engg.) degree programmes offered with duration			
Ph. D. (Agril. Engg.)	Soil and Water Conservation Engineering	2013-2014	3 Year (6 Sem.)

Salient features of organization of course contents and credit requirements:

Code Numbers, Course Contents**,** Major courses, Minor courses, Supporting courses and Non-Credit Compulsory courses are same as given in department of Irrigation & Drainage Engineering.

6.4.2 Faculty Strength

For smooth conduct of Ph.D. degree programme, in addition to the faculty members at College of Agricultural Engineering and Technology, services of faculties of Agricultural Engineering working under various establishment in the campus such as Agriculture Colleges and research stations of the University are being engaged for course work and research work.

For fulfilling the requirements of supporting special and non credit compulsory courses of Ph.D. programme, common arrangements are made at the University level.

Table 2 : Faculty position of Department of Soil & Water Conservation Engineering

Sr. No.	Post	Sanc .post	Filled Post	Vacant	Faculty Recommended by the ICAR regulatory body	Deviation (%)	Remarks
01.	Professor	0	0	0	1	100	Services of Teaching Staff from Agriculture, the research project & dept. of Agriculture Engineering COA, VNMKV, Parbhani & BSCT are spared and deputed to support the teaching and research activities at CAET.
02.	Associate Professor	1	1	0	2	50	
03.	Assistant Professor	2	2	0	3	33	

Major / Minor / Dual / Guest / Adhoc Faculty for Different Departments:

Sr. No.	Major Faculty	Minor Faculty	Dual Faculty	Guest / Adhoc Faculty	Other University Staff
Department of Soil & Water Conservation Engineering					(1) Prof. Bharti (Stat), (2) Dr. S.S. Kadam (Library Science), (3) Dr. P.S. Kapse (Ext. Education), (4) Dr. Suresh Waikar (Soil Science), (5) Dr. D.S. Perke (Economics)
01.	Prof. B.W. Bhuibhar	Dr. H.W. Awari	Dr. M.S. Pendke	--	
02.	Dr. A.S. Kadale	Dr. S.B. Jadhav	Prof. S.N. Pawar	--	
03.	Dr. A.M. Kamble	Dr. V.K. Ingle	--	--	
04.	Dr. S.D. Payal	Prof. V.M. Bhosle	--	--	
05.	Dr. M.R. More	Dr. R.V. Shinde	--	--	

6.4.3 Technical and supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work/ workshop / farm work are in place at this college.

Table 3 : Technical and supporting staff of Department of Soil and Water Conservation Engineering

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body	Deviation (%)
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
	Lab Assistant/Sub-overseer (On deputation, 2018-19 to 2021-22)	01	00	01	02	50
4	Peon	-	-	-	01	100

6.4.4 Classrooms and Laboratories

Department of Soil and Water Conservation Engineering has well developed Ph.D. classroom and well-equipped laboratories. The theory classes are conducted with the help of audio visual aids like K-Yan, LCD projector, etc.

Practical are conducted in laboratories of the department, Field laboratories such as green house structures, run off plot, various surrounding watershed and farms of the research stations are being utilised for the demonstration of practical of Ph.D. courses. Computer laboratory, CAD-CAM laboratory and language laboratory are established in the college with software facilities like ARIS / LAN, A to Z Watershed software, Pro-E, ANSYS, MATLAB and Simulink, GIS and Design Expert and utilised for teaching and research work. Advanced equipments like total survey station, pump test rig, digital hardness test rig, metal composition testing machine, CNC machine, Leaf area meter, water quality kit, Laser leveller, Water activity meter, Low humidity low temperature cabinate dryer, Universal testing machine and compression testing machine are available for practical and demonstration in the departments.

Classrooms

Separate class rooms for Ph.D. programme are established in the Dept. of Soil and Water Conservation Engineering

Laboratories

Table 4 : Details of Laboratory
Department of Soil and Water Conservation Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Soil Mechanics Lab.	10.60	11.15	118	40
2	Surveying and hydrology Lab.	14.05	11.05	158	40
3	Soil water Conservation Engineering Lab.	100	100	10000	40
4	Remote Sensing and GIS Lab.	06	05	30	05

Table 5: Details of department wise list of equipments/instruments/implements

Sr. No.	Name of Equipment
Department of Soil and Water Conservation Engineering	
1	Bulk density apparatus-core cutters
2	Double ring infiltrometers
3	Falling head permeability test apparatus
4	Sieves shaker for particle size analysis
5	Different evaporation pans
6	Total survey station
7	Flow measuring devices-H flume, parshall flume
8	Flow velocity measurement instruments-current meters
9	Stage level recorders

6.4.5 Conduct of Practical and Hands on Training:

Conduct of Practical

The practical are conducted in the laboratories and field allocated to concern department. The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the respective laboratories, on farm, workshops, farm ponds, green house and shade net structures. The techniques are demonstrated to the students and actual experiments are performed.

6.4.6 Supervision of students in Ph. D. programme

One supervisor (guide) is allotted to every Ph.D. Student for supervision of research work. The supervisor monitors academic and research activities of students through Student Advisory Committee.

Table 6 : Details of students allotted for supervision of research work in the Ph.D. degree programme (Department of SWCE)

S. No.	Year	Name of Faculty	No of Students
1	2018-19	Prof. B.W. Bhuibhar	01
2	2019-20	Dr. A.S. Kadale Prof. B.W. Bhuibhar	01 01
3	2020-21	--	--
4	2021-22	Dr. U.M. Khodke Prof. B.W. Bhuibhar	01 01
5	2022-23	--	--

6.4.7 Feedback of stakeholders (Students, parents, industries etc.)

College has well defined feedback mechanism of different stakeholders i.e. students, parents and industries. Real feedback of the students was also collected frequently from the suggestion and complaint box placed near Associate Dean and Principal office. Regular students-parents meeting with college authorities were organized to take feedback from the parents. College authority has taken action as per rules on the issues raised in the feedback of stakeholders.

Student's Feedback Mechanism

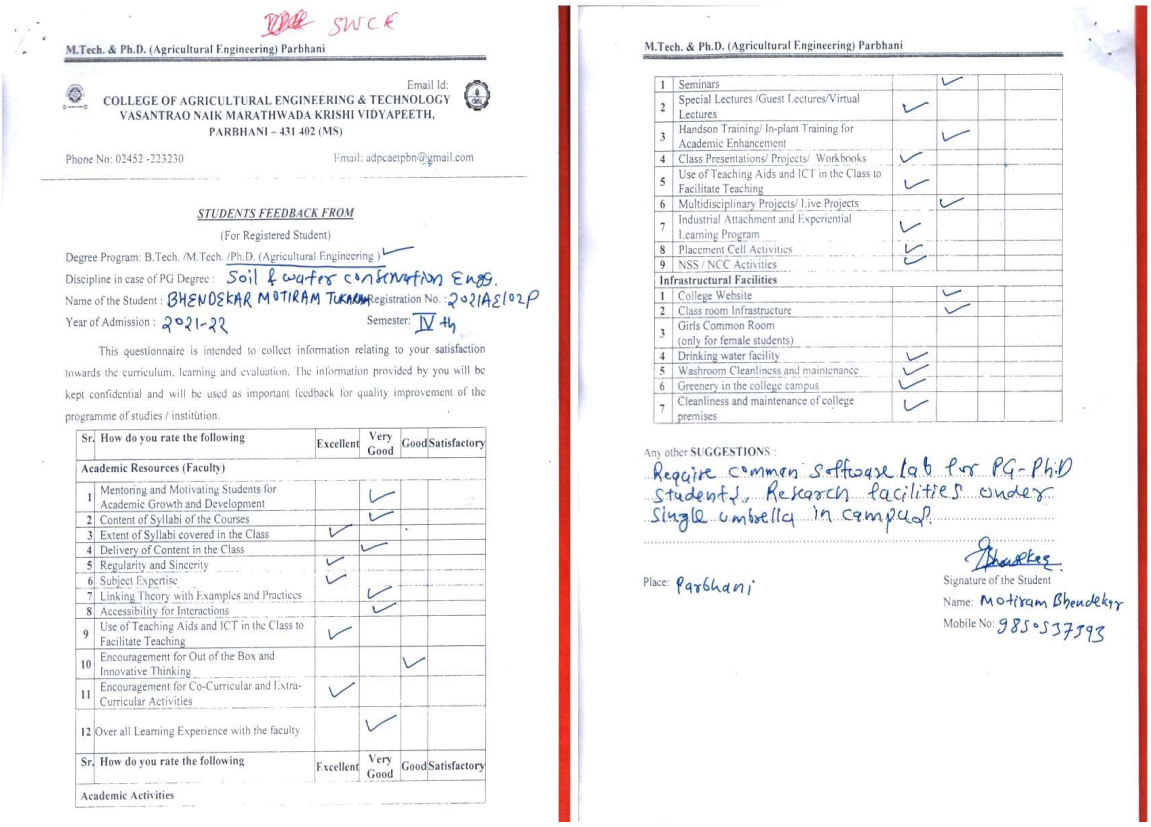
- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Student are submitting the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the college in developing both academic and non-academic facilities.
- In addition, the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized and specific suggestions are discussed in the monthly meeting. The suggestions and feedbacks are addressed by the concerned college committee.

- Feedbacks are also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedbacks are also will be taken up by in the Faculty Meeting to formulate policies.

Students' Feedback



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Email Id:
Phone No: 02452 -223230 E-mail: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM
(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Soil & water conservation Engg.
Name of the Student : BHENDSKAR MOTIRAM TUKARAM Registration No. : 2021AE102P
Year of Admission : 2021-22 Semester: IV th

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

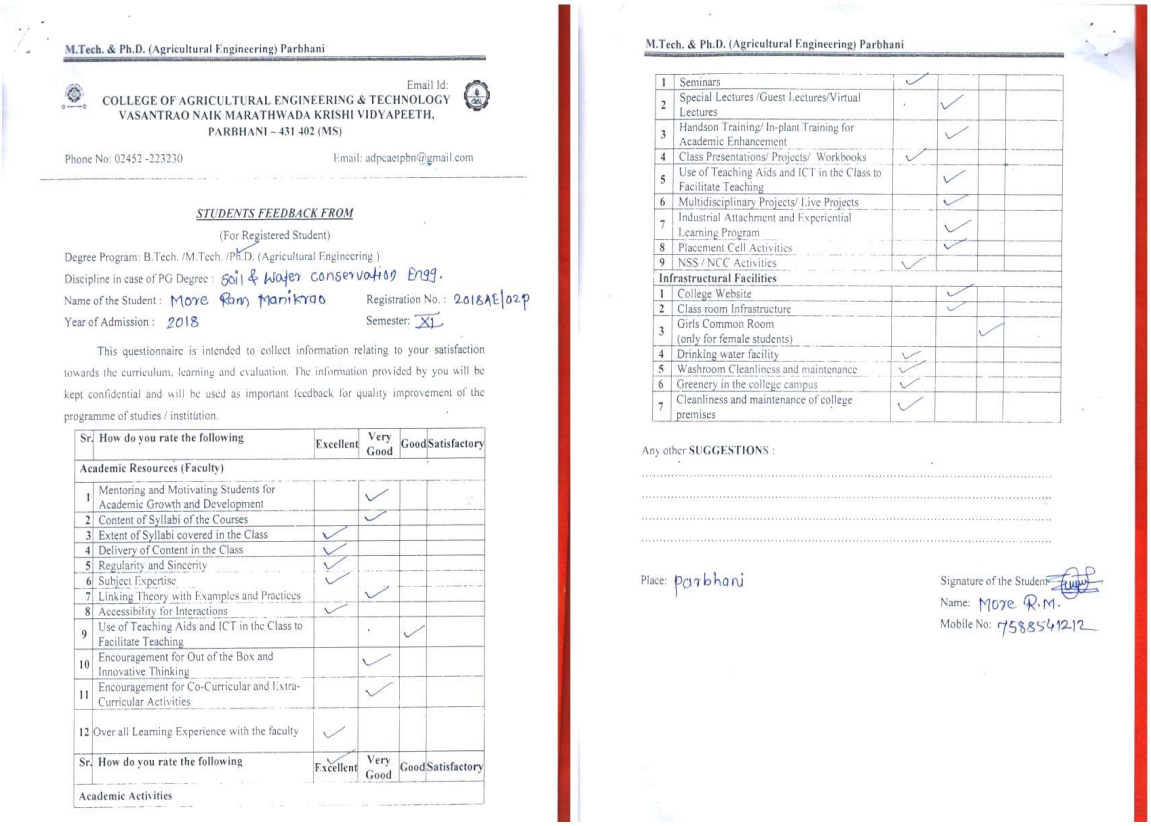
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development		✓		
2	Content of Syllabi of the Courses		✓		
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class		✓		
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices		✓		
8	Accessibility for Interactions		✓		
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
10	Encouragement for Out of the Box and Innovative Thinking			✓	
11	Encouragement for Co-Curricular and Extra-Curricular Activities	✓			
12	Over all Learning Experience with the faculty		✓		
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities					

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars		✓		
2	Special Lectures /Guest Lectures/Virtual Lectures	✓			
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	✓			
6	Multidisciplinary Projects/ Live Projects		✓		
7	Industrial Attachment and Experiential Learning Program	✓			
8	Placement Cell Activities	✓			
9	NSS / NCC Activities	✓			
Infrastructural Facilities					
1	College Website		✓		
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)				
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance	✓			
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :
Require common Software lab for PG-PhD Students, Research facilities under Single umbella in campus

Place: Parbhani
Signature of the Student
Name: Motiram Bhendekar
Mobile No: 9850537793



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Email Id:
Phone No: 02452 -223230 E-mail: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM
(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Soil & Water conservation Engg.
Name of the Student : More Ram Manikrao Registration No. : 2018AE102P
Year of Admission : 2018 Semester: XI

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development		✓		
2	Content of Syllabi of the Courses		✓		
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices		✓		
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching			✓	
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities		✓		
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Activities					

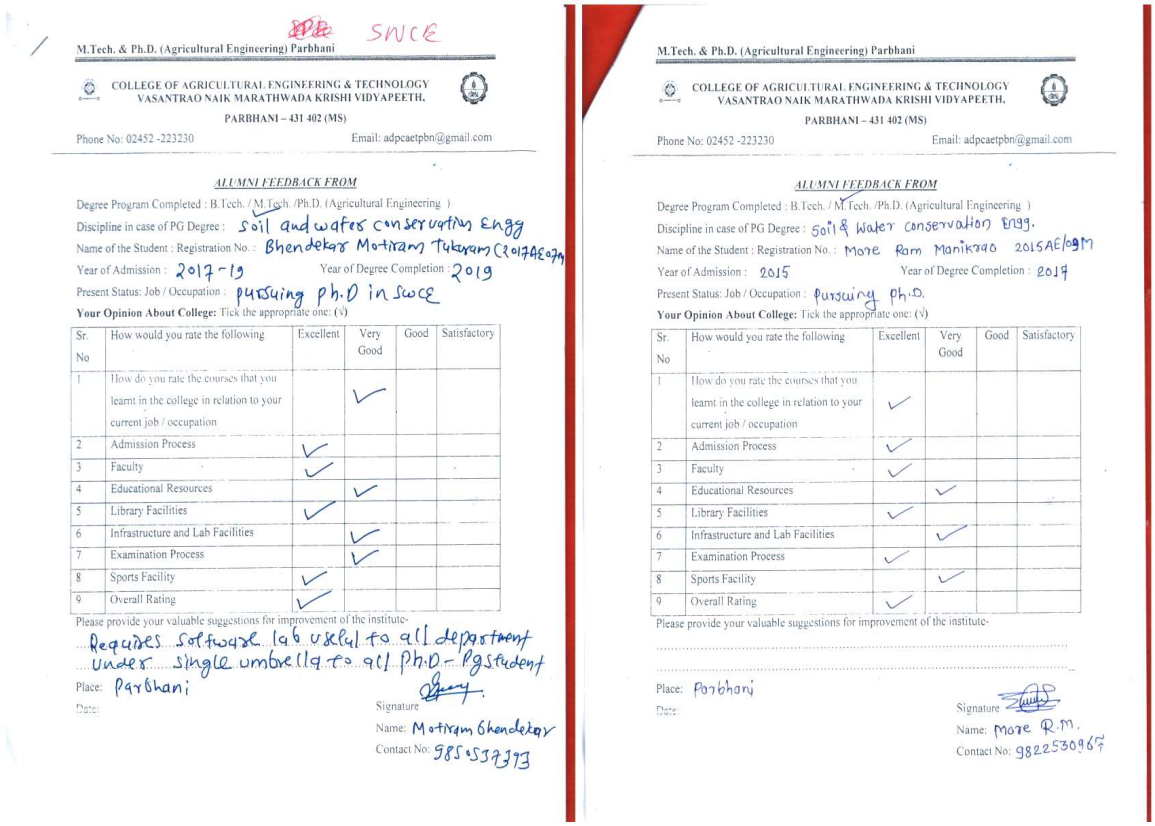
M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects		✓		
7	Industrial Attachment and Experiential Learning Program		✓		
8	Placement Cell Activities		✓		
9	NSS / NCC Activities	✓			
Infrastructural Facilities					
1	College Website		✓		
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)			✓	
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance	✓			
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

Place: parbhani
Signature of the Student
Name: More R.M.
Mobile No: 7588561212

Alumni Feedback



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Soil and wafer conservation Engg
Name of the Student : Registration No. : Bhendekar Motiram Tukaram (2017AE07M
Year of Admission : 2017-19 Year of Degree Completion : 2019
Present Status: Job / Occupation : pursuing Ph.D in SWCE
Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation		✓		
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources		✓		
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility	✓			
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-
Requires Software lab useful to all department under single umbrella to all Ph.D - Pg student
Place: Parbhani
Date:
Signature
Name: Motiram Bhendekar
Contact No: 9850537373

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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PARBHANI – 431 402 (MS)
Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Soil & Water conservation Engg.
Name of the Student : Registration No. : More Ram Manikrao 2015AE/09M
Year of Admission : 2015 Year of Degree Completion : 2017
Present Status: Job / Occupation : Pursuing Ph.D.
Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation	✓			
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources		✓		
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process	✓			
8	Sports Facility		✓		
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-
Place: Parbhani
Date:
Signature
Name: More R.M.
Contact No: 9822530967

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

Table 7: Student admitted and attrition in Ph.D. programme in last five years

Name of the Degree Programme Ph. D.	Students admitted					Attrition (%)				
	2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23
Soil and Water Conservation Engineering	01 1M	02 2M	-	02 2M	-	-	50	-	50	-

Table 8: Students intake and attrition Ph. D. degree programme

Batch	Ph. D.			
	Students admitted		Dropped	
	M No.	F No.	M No.	F No.
2018-19	01	00	00	00
2019-20	02	00	01	00
2020-21	00	00	00	00
2021-22	02	00	01	00
2022-23	00	00	00	00

Table 9 : Students Pass out (Ph.D. degree programme)

Sr. No.	Year	No. of Ph.D. students
1	2018-19	-
2	2019-20	-
3	2020-21	02
4	2021-22	01
5	2022-23	01

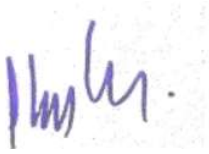
6.4.9 ICT Application in Curricula Delivery

The PG classrooms are equipped with LCD projectors for power point presentations. Following ICT tools are used in PG classrooms and laboratories for teaching and conducting practical of PG courses.

1. Desktop and Laptop
2. Document Camera/Visualize
3. Interactive White Board
4. Interactive Projector- Kayon
5. Simple-Projector
6. Speakers
7. Digital Camera
8. Printer
9. Wireless Microphone for Convenience
10. Digital Podium

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology**,** Parbhani hereby certify that the information contained in Section 6.4 (Section 6.4.1 to 6.4.9) are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

Doctor of Philosophy (Agricultural Engineering) in 3) Processing and Food Engineering

6.4 Self Study Report of Ph. D. programmes

6.4.1 Brief history of Ph.D. programmes

In 2013-14, Ph.D. (Agri. Engg.) degree programme in Processing and Food Engineering with intake capacity of two students as per MCAER decision No. 21/88/2013 of order No. MCAER/EST-5/ACM-2113/1649/2013 has been started.

The existing contents of Ph.D level syllabus were examined critically, restructured and updated keeping in view the latest developments in the subject areas.

Mission and Goals, Mandate of the College, Mission Statement, Goals and Objectives are same as given in department of Irrigation & Drainage Engineering.

Table 1: Ph.D. (Agril. Engg.) degree programmes offered with duration.

Ph.D. (Agril. Engg.) degree programmes offered with duration			
Ph. D. (Agril. Engg.)	Processing and Food Engineering	2013-2014	3 Year (6 Sem.)

Salient features of organization of course contents and credit requirements:

Code Numbers, Course Contents**,** Major Courses, Minor Courses, Supporting Courses And Non-Credit Compulsory Courses Are Same As Given In Department Of Irrigation & Drainage Engineering.

6.4.2. Faculty Strength

For smooth conduct of Ph.D. degree programme, in addition to the faculty members at College of Agricultural Engineering and Technology, services of faculties of Agricultural Engineering working under various establishment in the campus such as Agriculture Colleges and research stations of the University are being engaged for course work and research work.

For fulfilling the requirements of supporting special and non credit compulsory courses of Ph.D. programme, common arrangements are made at the University level.

Table 2 : Faculty position : Department of Processing and Food Engineering

Sr. No.	Post	Sanc. post	Filled Post	Vacant	Faculty Recommended by the ICAR regulatory body	Deviation (%)	Remarks
01.	Professor	0	0	0	1	100	Services of Teaching Staff from Agriculture, the research project such as AICRP on UAE, Dept. of REE & BSCT are spared and deputed to support the teaching and research activities at CAET.
02.	Associate Professor	1	1	0	2	50	
03.	Assistant Professor	2	2	0	3	33	

Major / Minor / Dual / Guest / Adhoc Faculty for Different Departments:

Sr. No.	Major Faculty	Minor Faculty	Dual Faculty	Guest / Adhoc Faculty	Other University Staff
Processing and Food Engineering					(1) Prof. Bharti (Stat), (2) Dr. S.S. Kadam (Library Science), (3) Dr. P.S. Kapse (Ext. Education), (4) Dr. Suresh Waikar (Soil Science), (5) Dr. D.S. Perke (Economics)
01.	Dr. S.U. Khodke	Dr. R.T. Ramteke	Dr. R.V. Jayabhaye	--	
02.	Dr. P.G. More	Dr. S.N. Solanki	--	--	
03.	Dr. S.R. Garud	Prof. V.M. Bhosle	--	--	
04.	Prof. B.P. Sawant	Dr. R.V. Shinde	--	--	

6.4.3 Technical and supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work/ workshop / farm work are in place at this college.

Table 3 : Technical and supporting staff of Department of PFE.

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body	Deviation (%)
Department of Processing and Food Engineering						
1	PA/Steno	-	-	-	01	100
2	Clerk	-	-	-	01	100
3	Lab Assistant	01	01	-	02	50

4	Lab Attendant	-	-	-	-	-
5	Peon	-	-	-	01	100

6.4.4 Classrooms and Laboratories

Each department of college Processing & Food Engineering has well developed Ph. D. classroom and well-equipped laboratories. The theory classes are conducted with the help of audio visual aids like K-Yan, LCD projector, etc.

Practical are conducted in laboratories of the department, workshop and ELP unit. Field laboratories such as solar energy park and farms of the research stations are being utilised for the demonstration of practical. Computer laboratory, CAD-CAM laboratory and language laboratory are established in the college with software facilities like ARIS / LAN, Pro-E, ANSYS, MATLAB and Simulink, GIS and Design Expert and utilised for teaching and research work. Advanced equipments like digital hardness test rig, water quality kit, Texture Analyser, Bakery Unit, Hunter Colour Lab Meter, Water activity meter, Extruder, Electrically operated roaster, LpG operated puffing cum popping machine, Distillation Unit, Low humidity low temperature cabinet dryer are available for practical and demonstration in the respective departments.

PG Classrooms

Separate class rooms for Ph.D. programme are established in the Dept. of Processing and Food Engineering.

Laboratories

Table 4 : Details of Laboratory Department of Processing and Food Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Crop Processing Engg. Lab.	11.28	14.32	162	40
2	Food Engineering Lab.	8.7	7.4	64	10
3	Quality control (ELP) Lab.	12.20	10.80	132	05

Table 5 : Details of department wise list of equipments/instruments/implements

Sr. No.	Name of Equipment
Department of Processing and Food Engineering	
1	Texture analyzer
2	Apparatus for angle of repose, anemometer,
3	Apparatus for measurement of properties of milk, cream separator
4	Autoclave
5	Mini Dal Mil
6	Refrigeration and freezing tutor
7	Parallel and counter heat exchanger
8	Soxhlet apparatus, Kzeldol apparatus
9	Infrared Moisture meter
10	Flour Mill
11	Mixer cum pulper
12	Models of handling equipments and Boilers
13	Vibration and drop tester, Box compression tester,
14	Spray dryer
15	Orbital shaking incubator
16	Horizontal laminar air flow cabinet
17	Bakery Unit
18	Water activity meter
19	Hunter Lab colouri meter
20	Extruder
21	Multi grain roster cum puffer

6.4.5 Conduct of Practical and Hands on Training:

Conduct of Practical

The practical and hands on training are conducted in the laboratories of respective department and field allocated to concern department.

The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the respective laboratories, on farm, workshops, ELP unit, solar energy park. The techniques are demonstrated to the students and performed actual experiments are performed.

Ph.D. Student performing practical on microbial analysis

Ph.D. student working on semi-automatic multigrain popping cum puffing unit

6.4.6 Supervision of students in Ph. D. programme

One supervisor (guide) is allotted to every Ph.D. Student for supervision of research work. The supervisor monitors academic and research activities of students through Student Advisory Committee.

Table 6 : Details of students allotted for supervision of research work in the Ph.D. degree programme

S. No.	Year	No of Students
1	2018-19	01
2	2019-20	-
3	2020-21	01
4	2021-22	01
5	2022-23	01

Table 7 : Details of students allotted for supervision of research work in the Ph.D. degree programme (Department of PFE)

S. No.	Year	Name of Faculty	No of Students
1	2018-19	Dr. S.U. Khodke	01
2	2019-20	Dr. S.U. Khodke	--
3	2020-21	Dr. S.U. Khodke	01
4	2021-22	Dr. S.U. Khodke	01
5	2022-23	Dr.R.V. Jaybhaye	01

6.4.7 Feedback of stakeholders (Students, parents, industries etc.)

College has well defined feedback mechanism of different stakeholders i.e. students, parents and industries. Real feedback of the students was also collected frequently from the suggestion and complaint box placed near Associate Dean and Principal office. Regular students-parents meeting with college authorities were organized to take feedback from the parents. College authority has taken action as per rules on the issues raised in the feedback of stakeholders.

Student's Feedback Mechanism

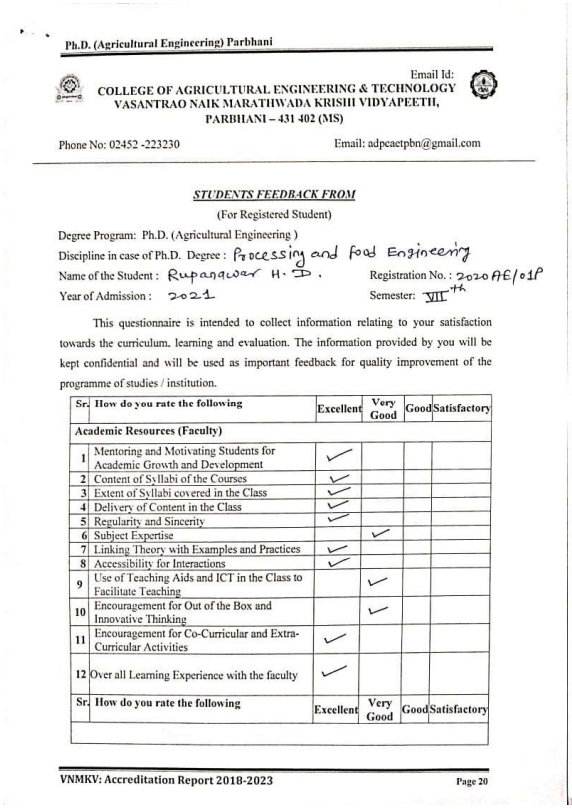
- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Student are submitting the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the college in developing both academic and non-academic facilities.

- In addition the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized and specific suggestions are discussed in the monthly meeting. The suggestions and feedbacks are addressed by the concerned college committee.
- Feedbacks are also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedbacks are also will be taken up by in the Faculty Meeting to formulate policies.

Students' Feedback



Ph.D. (Agricultural Engineering) Parbhani

Email Id:
COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: Ph.D. (Agricultural Engineering)

Discipline in case of Ph.D. Degree : Processing and Food Engineering

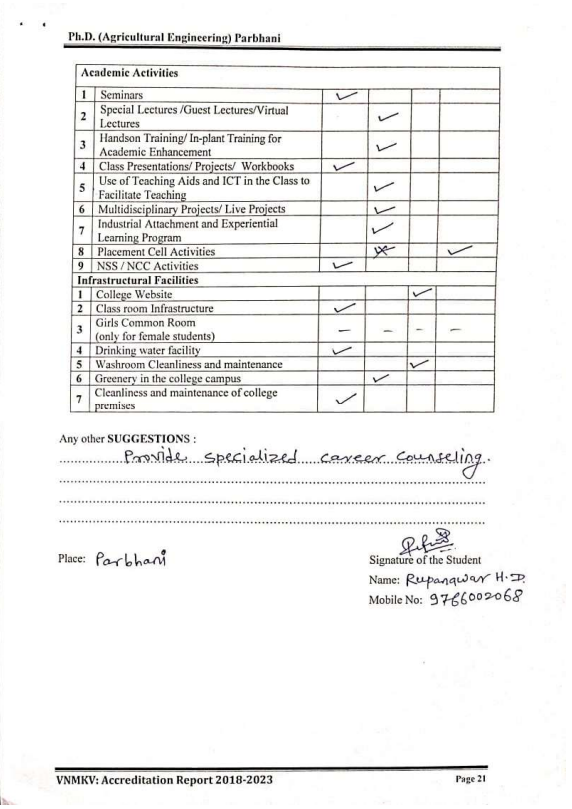
Name of the Student : Rupanwar H. D. Registration No. : 2020AE/01P

Year of Admission : 2021 Semester: VII th

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise		✓		
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities	✓			
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory

VNMKV: Accreditation Report 2018-2023 Page 20



Ph.D. (Agricultural Engineering) Parbhani

	Academic Activities				
1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement		✓		
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects		✓		
7	Industrial Attachment and Experiential Learning Program		✓		
8	Placement Cell Activities		✗		✓
9	NSS / NCC Activities	✓			
	Infrastructural Facilities				
1	College Website			✓	
2	Class room Infrastructure	✓			
3	Girls Common Room (only for female students)	–	–	–	–
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance			✓	
6	Greenery in the college campus		✓		
7	Cleanliness and maintenance of college premises	✓			

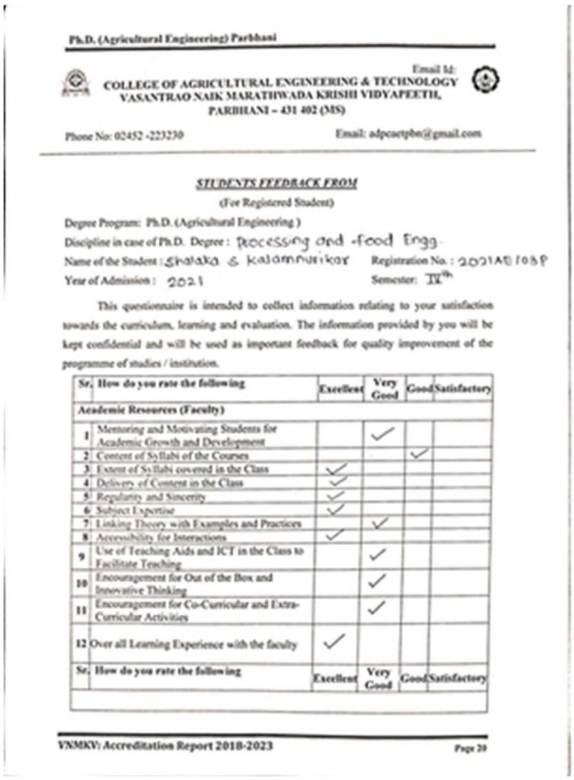
Any other **SUGGESTIONS** :

Provide specialized career counseling.

Place: Parbhani

Signature of the Student
Name: Rupanwar H. D.
Mobile No: 9766002068

VNMKV: Accreditation Report 2018-2023 Page 21



Ph.D. (Agricultural Engineering) Parbhani

Email Id:
COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: Ph.D. (Agricultural Engineering)

Discipline in case of Ph.D. Degree : Processing and Food Engg.

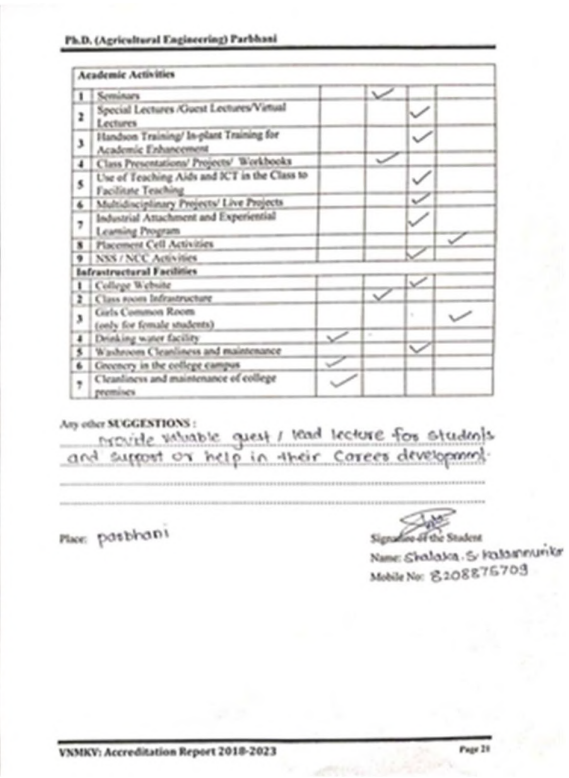
Name of the Student : Shalaka S. Kalamnurikar Registration No. : 2021AE/08P

Year of Admission : 2021 Semester: IV th

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development		✓		
2	Content of Syllabi of the Courses			✓	
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise	✓			
7	Linking Theory with Examples and Practices		✓		
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities		✓		
12	Over all Learning Experience with the faculty	✓			
Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory

VNMKV: Accreditation Report 2018-2023 Page 20



Ph.D. (Agricultural Engineering) Parbhani

	Academic Activities				
1	Seminars		✓		
2	Special Lectures /Guest Lectures/Virtual Lectures			✓	
3	Handson Training/ In-plant Training for Academic Enhancement			✓	
4	Class Presentations/ Projects/ Workbooks		✓		
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching			✓	
6	Multidisciplinary Projects/ Live Projects			✓	
7	Industrial Attachment and Experiential Learning Program			✓	
8	Placement Cell Activities				✓
9	NSS / NCC Activities			✓	
	Infrastructural Facilities				
1	College Website			✓	
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)				✓
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance			✓	
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

provide valuable guest / lead lecture for students and support or help in their careers development.

Place: parbhani

Signature of the Student
Name: Shalaka S. Kalamnurikar
Mobile No: 8208876709

VNMKV: Accreditation Report 2018-2023 Page 21

Alumni Feedback

M.Tech. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : M.Tech. (Agricultural Engineering)

Discipline in case of PG Degree : Agricultural Process Engineering

Name of the Student : Registration No. :

Year of Admission : 2013 Year of Degree Completion : 2015

Present Status: Job / Occupation : Assistant Professor

Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation	✓			
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources	✓			
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility	✓			
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-

I learn many things here. From Analysis point of view some latest instrument is needed. one microbiology labrotary also needed.

Place:

Date:

Signature

Name: Shubhangi Thakre

Contact No: 7057630816

Parents' Feedback

Hemant Ruparwar

Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACKFORM

1. Name of the parent and relation with student: Ruparwar Dattatray R. Son
2. Name of students with Reg. No. Degree Prog.: Ruparwar H.D., 2020 AE/101P
3. Address of the parent: At.:- Ekshiv, Tal:- Mal shiras Dist:- Solapur pin:- 413109
4. Name of Student's Adviser: Dr. Smita V. Khadke
5. Purpose of visit: ----------
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining thehostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent'sgeneral opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: ----------
9. Parent'ssuggestion for improvement

Signature of parent
Contact No. 9960164726

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Kalamnurikar S.R. Father
2. Name of students with Reg. No. Degree Prog.: S.S. Kalamnurikar (2021AE1038)
3. Address of the parent: D.S. Bhagyanagar Koregaon road, Parbhani
4. Name of Student's Adviser: Dr. S.U. Khodke
5. Purpose of visit: ---
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: Good
9. Parent's suggestion for improvement Help student for career Development Organize different campus interview.

Signature of parent 12/24
Contact No. 9096368538

Table 8: Feedback of Enterprenuer

S. No.	Name of Farmer	Mode of communication	Date	Concern	Action taken
1	Amol Harkal	Personal visit	26/12/2018	Enquiry regarding process technology popped and puffed products	Information regarding electrically operated multigrain popping cum puffing machine was given.
2	Sanjay Hatwar	Personal visit	04/01/2020	Enquiry for popping/ puffing of grain.	Information regarding popping/puffing machinery was given.
3	Dr. D. S. Bhawar	Personal visit	14/01/2020	Enquiry regarding processing machinery suitable for women.	Information of suitable processing technologies for start-ups for women was given.
4	Yogita Khandebharad	Personal visit	22/03/2020	Electrically operated roaster for popping of multigrain	Information of roaster was given.
5	Dr. Kanhaiya Kadam	Personal visit	20/10/2021	Enquiry new industries based on agricultural produce.	Technology support for new industries based on agricultural produce was given.
6	Vijay Jadhav	Personal visit	26/06/2022	Multigrain roaster	Information regarding roaster was given.
7	Avinash Tidke	Personal visit	27/09/2022	Processing of multigrain	Information was given regarding machinery available for popping/ puffing of multigrain.
8	Mahesh Mohagaonkar, Basmat	Visit to Manufacturers plant at Basmat	02/08/2022	Turmeric boiler mountings and accessories related	Guided about usage of certified mounting and accessories.
9	Tanpure,	In person visit to	16/09/2022	Turmeric	Helping in design of

	Padmati boilers Basmat	the Department		boiler capacity related issues	advance boilers
10	Madhav Barse, Malegaon	In person visit to the Department	29/07/2022	Turmeric boiler certificatio n issue	Given information of boiler regulating Government agency

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

Table 9: Student admitted and attrition in Ph.D. programme in last five years

Name of the Degree Programme Ph. D.	Students admitted					Attrition (%)				
	2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23
Processing and Food Engineering	01 1F	-	01 1M	01 1F	01 1F	100	-	-	-	-

Table 10: Students intake and attrition

Batch	Ph. D.			
	Students admitted		Dropped	
	M No.	F No.	M No.	F No.
2018-19	00	01	00	01
2019-20	-	-	-	-
2020-21	01	00	00	00
2021-22	00	01	00	00
2022-23	00	01	00	00

Table 11 : Students Pass out

Sr. No.	Year	No. of Ph.D. students
1	2018-19	01
2	2019-20	02
3	2020-21	02
4	2021-22	-
5	2022-23	-

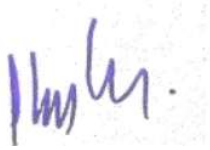
6.4.9 ICT Application in Curricula Delivery

The PG classrooms are equipped with LCD projectors for power point presentations. Following ICT tools are used in PG classrooms and laboratories for teaching and conducting practical of PG courses.

1. Desktop and Laptop
2. Document Camera/Visualize
3. Interactive White Board
4. Interactive Projector- Kayon
5. Simple-Projector
6. Speakers
7. Digital Camera
8. Printer
9. Wireless Microphone for Convenience
10. Digital Podium

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology**,** Parbhani hereby certify that the information contained in Section 6.4 (Section 6.4.1 to 6.4.9) are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

Doctor of Philosophy (Agricultural Engineering) in 4) Farm Machinery and Power Engineering

6.4 Self Study Report of Ph. D. programmes

6.4.1 Brief history of Ph.D. programmes

In 2013-14, Ph.D. (Agri. Engg.) degree programme in Farm Machinery and Power Engineering with intake capacity of two students as per MCAER decision No. 21/88/2013 of order No. MCAER/EST-5/ACM-2113/1649/2013.

The existing contents of Ph.D. level syllabus were examined critically, restructured and updated keeping in view the latest developments in the subject areas.

Mission and Goals, Mandate of the College, Mission Statement, Goals and Objectives are same as given in department of Irrigation & Drainage Engineering.

Table 1: Ph.D. (Agril. Engg.) degree programmes offered with duration

Ph.D. (Agril. Engg.) degree programmes offered with duration			
Ph. D. (Agril. Engg.)	Farm Machinery and Power Engineering	2013-2014	3 Year (6 Sem.)

Salient features of organization of course contents and credit requirements:

Code Numbers, Course Contents**,** Major courses, Minor courses, supporting courses and Non-Credit Compulsory courses are same as given in department of Irrigation & Drainage Engineering.

6.4.2 Faculty Strength

For smooth conduct of Ph.D. degree programme, in addition to the faculty members at College of Agricultural Engineering and Technology, services of faculties of Agricultural Engineering working under various establishment in the campus such as Agriculture Colleges and research stations of the University are being engaged for course work and research work.

For fulfilling the requirements of supporting special and non credit compulsory courses of Ph.D. programme, common arrangements are made at the University level.

Available faculty is utilised for multiple programme

Table 2 : Faculty position : Department of Farm Machinery and Power Engineering

Sr. No.	Post	Sanc. post	Filled Post	Vacant	Faculty Recommended by the ICAR regulatory body	Deviation (%)	Remarks
01.	Professor	0	0	0	1	100	Services of Teaching Staff from Agriculture, the research project such as AICRP on UAE, Dept. of REE & BSCT are spared and deputed to support the teaching and research activities at CAET.
02.	Associate Professor	1	1	0	2	50	
03.	Assistant Professor	3	3	0	3	33	

Major / Minor / Dual / Guest / Adhoc Faculty for Different Departments:

Sr. No.	Major Faculty	Minor Faculty	Dual Faculty	Guest/ Adhoc Faculty	Other University Staff
Farm Machinery and Power Engineering					(1) Prof. Bharti (Stat), (2) Dr. S.S. Kadam (Library Science), (3) Dr. P.S. Kapse (Ext. Education), (4) Dr. Suresh Waikar (Soil Science), (5) Dr. D.S. Perke (Economics)
01.	Dr. S.N. Solanki	Dr. R.T. Ramteke	--	--	
02.	Dr. P.A. Munde	Prof. V.M. Bhosle	--	--	
03.	Dr. G.U. Shinde	Dr. R.V. Shinde	--	--	
04.	Prof. D.V. Patil		--	--	

6.4.3 Technical and supporting staff

The following posts of technical and supporting staff for field experimentation/ laboratory work/ workshop / farm work are in place at this college.

Table 3 : Technical and supporting staff of Department of Farm Machinery and Power Engineering

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body	Deviation (%)
1	Senior Research Assistant	01	00	01	-	--
2	Lab Assistant	-	-	-	02	100
3	Lab Attendant	02	02	-	-	--

4	Sr. Mechanic	01	01	-	-	--
5	Driver	01	-	01	01	00
6	Peon	-	-	-	01	100
7	PA/Steno	-	-	-	01	100
8	Clerk	-	-	-	01	100

6.4.4 Classrooms and Laboratories

Department of Farm Machinery and Power Engineering has well developed Ph.D. classroom and well-equipped laboratories. The theory classes are conducted with the help of audio-visual aids like K-Yan, LCD projector, etc.

Practical are conducted in laboratories of the respective department, Field laboratories such as solar energy park, Animal Energy Park and farms of the research stations are being utilised for the demonstration of practical of Ph.D. courses. Computer laboratory, CAD-CAM laboratory are established in the college with software facilities like ARIS / LAN, Pro-E, ANSYS, MATLAB and Simulink, GIS and Design Expert and utilised for teaching and research work. Advanced equipments like IC engine test rig, digital hardness test rig, metal composition testing machine, CNC machine, engine test rig, Laser leveller, Workshop, Draftability Lab, Animal Drawn Agro Processing Unit are available for practical and demonstration in the departments.

Ph.D. Classrooms

Separate class rooms for Ph.D. programme are established in Dept. of Farm Machinery and Power Engineering.

Laboratories

Table 4 : Details of Laboratory Department of Farm Machinery and Power Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Workshop	10.60	21.80	231	40
2	Farm Power	11.15	21.40	239	40
3	Engineering Drawing Hall	11.15	18.80	198	40
4	Implement Shed	16.50	29.60	488	40
5	Exhibition Hall	10.60	22.00	233	40
6	CAD – CAM Lab	06.00	15.00	90	40
7	Drawing Hall	11.15	17.80	198	40

Table 5 : Details of department wise list of equipments/instruments/implements

Sr. No.	Name of Equipment
Department of Farm Machinery and Power Engineering	
1	Tractor 50 hp-2 ; 25 hp-1 and 40 hp-3
2	Power Tiller, Reaper
3	Lathe Machine, CNC Machine, Shaper Machine, welding machine
4	Grinder
5	Tool kits with box (Ellen key set, Open end spanner set, Pliers, Nose pliers, Circlip pliers)
6	Cut sections of Tractor, Single and Multi cylinder engine, Air cleaner, Gear box, Differential, Battery, Fuel injection pump
7	Models of Electrical system, Lubrication system, Cooling system, Tractor hydraulic system
8	Mould board plough, Sub-soiler, Rotary tiller, Cultivator, Seed-cum fertilizer, drill Inclined plate planter, Vertical conveying reaper, Potato digger
9	Laser leveller
10	Set of animal drawn implements: disc harrow and cultivator
11	Potato planter, Sugarcane cutter planter
12	Knap sack sprayer
13	Wheat thresher, Paddy thresher, Multi crop thresher
14	Standard disc plough, Mould board
15	In addition, the equipment / machines available under farm machinery Testing centre are used for practical of Ph.D students.

6.4.5 Conduct of Practical:

Conduct of Practical

The practical and hands on training are conducted in the laboratories in the department and field allocated to department.

The practical are conducted as per the lesson plan by using the requisite instruments and facilities available in the respective laboratories, on farm, workshops, solar energy park and animal energy park. The techniques are demonstrated to the students and performed actual experiments are performed.

6.4.6 Supervision of students in Ph. D. programme

One supervisor (guide) is allotted to every Ph.D. Student for supervision of research work. Supervisor monitors academic and research activities of students through Student Advisory Committee.

Table 6 : Details of students allotted for supervision of research work in the Ph.D. degree programme

S. No.	Year	No of Students
1	2018-19	--
2	2019-20	--
3	2020-21	--
4	2021-22	01
5	2022-23	02

Table 7: Details of students allotted for supervision of research work in the Ph.D. degree programme (Department of FMPE)

S. No.	Year	Name of Faculty	No of Students
1	2018-19	--	--
2	2019-20	--	--
3	2020-21	--	--
4	2021-22	Dr. S.N. Solanki	01
5	2022-23	Dr. Indra Mani	02

6.4.7 Feedback of stakeholders (Students, parents, industries etc.)

College has well defined feedback mechanism of different stakeholders i.e. students, parents and industries. Real feedback of the students was also collected frequently from the suggestion and complaint box placed near Associate Dean and Principal office. Regular students-parents meeting with college authorities were organized to take feedback from the parents. College authority has taken action as per rules on the issues raised in the feedback of stakeholders.

Student's Feedback Mechanism

- The students are encouraged to give the FEEDBACK in the prescribed form
- Prescribed FEEDBACK form is provided at Education section of the college for registered students and pass out students can download the feedback form from the College Website. Student are submitting the FEEDBACK form to the education section or they drop the feedback form in the suggestion box kept in the office of Associate Dean and Principal.
- Filling the feedback form is voluntary.
- The feedback information received is used to improve the overall standards in the

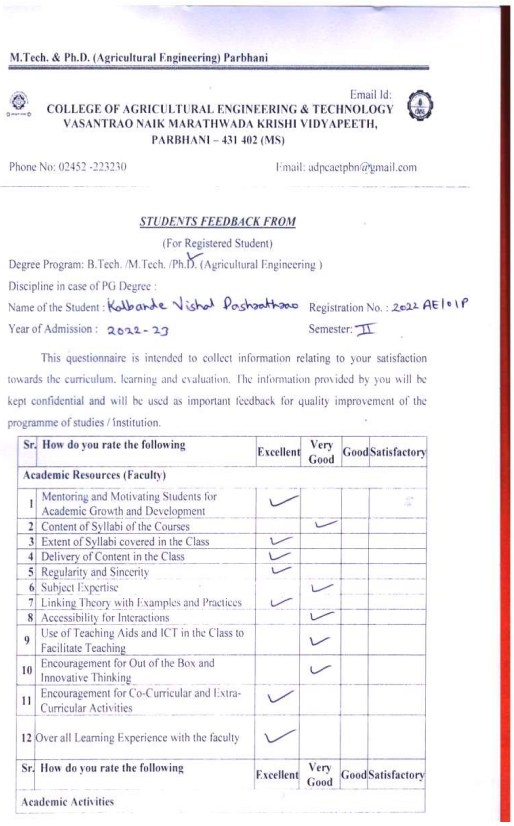
college in developing both academic and non-academic facilities.

- In addition the Advisors / ADP conducts separate interaction secession's to get students feedback overlay / in writing through feedback form.
- The information provided by the students in the feedback form is kept confidential.

Redressal Mechanism

- The feedback forms are scrutinized and specific suggestions are discussed in the monthly meeting. The suggestions and feedbacks are addressed by the concerned college committee.
- Feedbacks are also discussed in the Board of Study and Academic staff meeting at college level.
- If required, the feedbacks are also will be taken up by in the Faculty Meeting to formulate policies.

Students' Feedback



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

Email Id:
COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

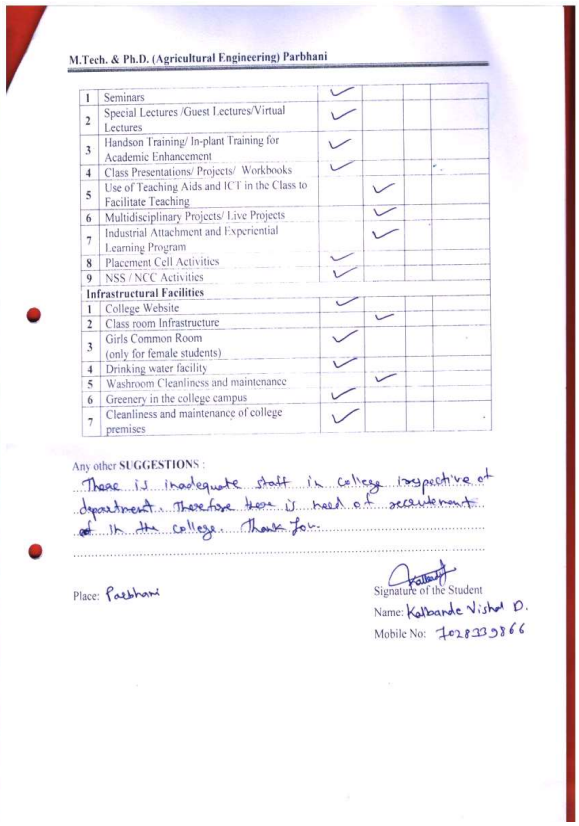
Discipline in case of PG Degree :

Name of the Student : Kalbande Vishal Pashaothao Registration No. : 2022 AE101P

Year of Admission : 2022-23 Semester: II

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / Institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development	✓			
2	Content of Syllabi of the Courses		✓		
3	Extent of Syllabi covered in the Class	✓			
4	Delivery of Content in the Class	✓			
5	Regularity and Sincerity	✓			
6	Subject Expertise		✓		
7	Linking Theory with Examples and Practices	✓			
8	Accessibility for Interactions		✓		
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking		✓		
11	Encouragement for Co-Curricular and Extra-Curricular Activities	✓			
12	Over all Learning Experience with the faculty	✓			
Sr.	**How do you rate the following**	**Excellent**	**Very Good**	**Good**	**Satisfactory**
Academic Activities					



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures	✓			
3	Handson Training/ In-plant Training for Academic Enhancement	✓			
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects		✓		
7	Industrial Attachment and Experiential Learning Program		✓		
8	Placement Cell Activities	✓			
9	NSS / NCC Activities	✓			
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure		✓		
3	Girls Common Room (only for female students)	✓			
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance		✓		
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

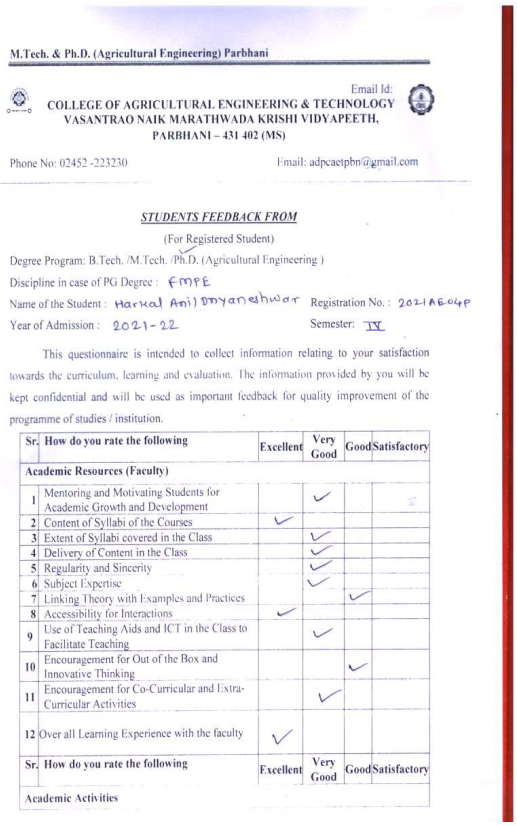
There is inadequate staff in college irrespective of department. Therefore there is need of recruitment of staff in the college. Thank you.

Place: Parbhani

Signature of the Student

Name: Kalbande Vishal D.

Mobile No: 7028339866



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

Email Id:
COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

STUDENTS FEEDBACK FROM

(For Registered Student)

Degree Program: B.Tech. /M.Tech. /Ph.D. (Agricultural Engineering)

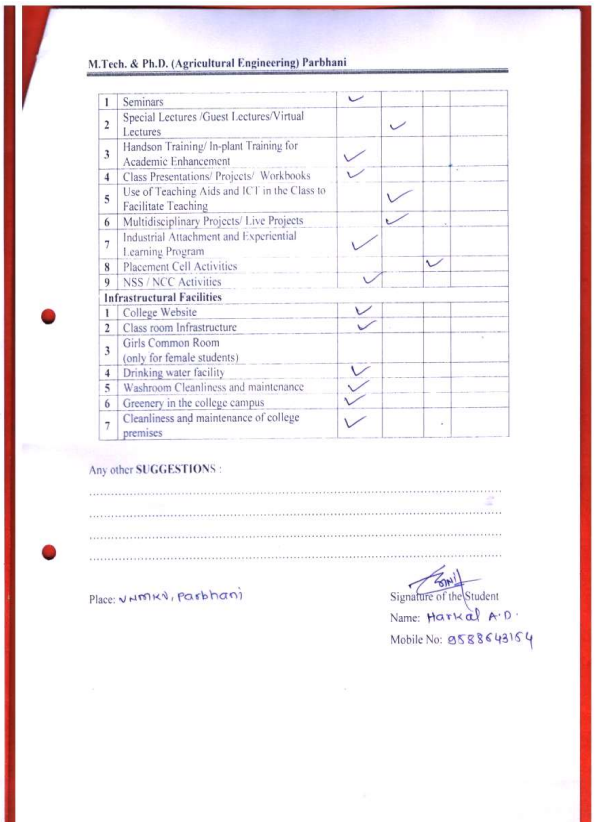
Discipline in case of PG Degree : FMPE

Name of the Student : Harkal Anil Dnyaneshwar Registration No. : 2021AE04P

Year of Admission : 2021-22 Semester: IV

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies / institution.

Sr.	How do you rate the following	Excellent	Very Good	Good	Satisfactory
Academic Resources (Faculty)					
1	Mentoring and Motivating Students for Academic Growth and Development		✓		
2	Content of Syllabi of the Courses	✓			
3	Extent of Syllabi covered in the Class		✓		
4	Delivery of Content in the Class		✓		
5	Regularity and Sincerity		✓		
6	Subject Expertise		✓		
7	Linking Theory with Examples and Practices			✓	
8	Accessibility for Interactions	✓			
9	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
10	Encouragement for Out of the Box and Innovative Thinking			✓	
11	Encouragement for Co-Curricular and Extra-Curricular Activities		✓		
12	Over all Learning Experience with the faculty	✓			
Sr.	**How do you rate the following**	**Excellent**	**Very Good**	**Good**	**Satisfactory**
Academic Activities					



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

1	Seminars	✓			
2	Special Lectures /Guest Lectures/Virtual Lectures		✓		
3	Handson Training/ In-plant Training for Academic Enhancement	✓			
4	Class Presentations/ Projects/ Workbooks	✓			
5	Use of Teaching Aids and ICT in the Class to Facilitate Teaching		✓		
6	Multidisciplinary Projects/ Live Projects		✓		
7	Industrial Attachment and Experiential Learning Program	✓			
8	Placement Cell Activities			✓	
9	NSS / NCC Activities	✓			
Infrastructural Facilities					
1	College Website	✓			
2	Class room Infrastructure	✓			
3	Girls Common Room (only for female students)				
4	Drinking water facility	✓			
5	Washroom Cleanliness and maintenance	✓			
6	Greenery in the college campus	✓			
7	Cleanliness and maintenance of college premises	✓			

Any other **SUGGESTIONS** :

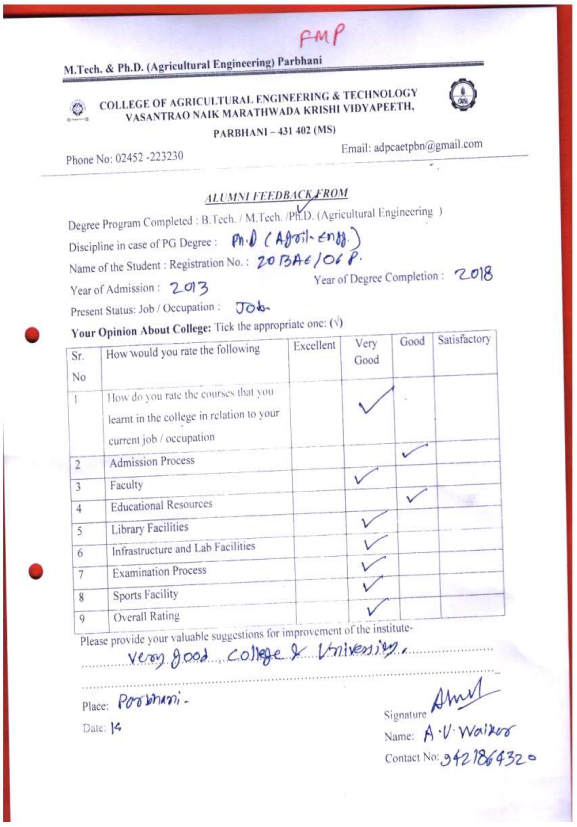
Place: VNMKV, Parbhani

Signature of the Student

Name: Harkal A.D.

Mobile No: 8588643154

Alumni Feedback



FMP

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Ph.D (Agril. Engg.)
Name of the Student : Registration No. : 2013AE/06P.
Year of Admission : 2013 Year of Degree Completion : 2018
Present Status: Job / Occupation : Job.

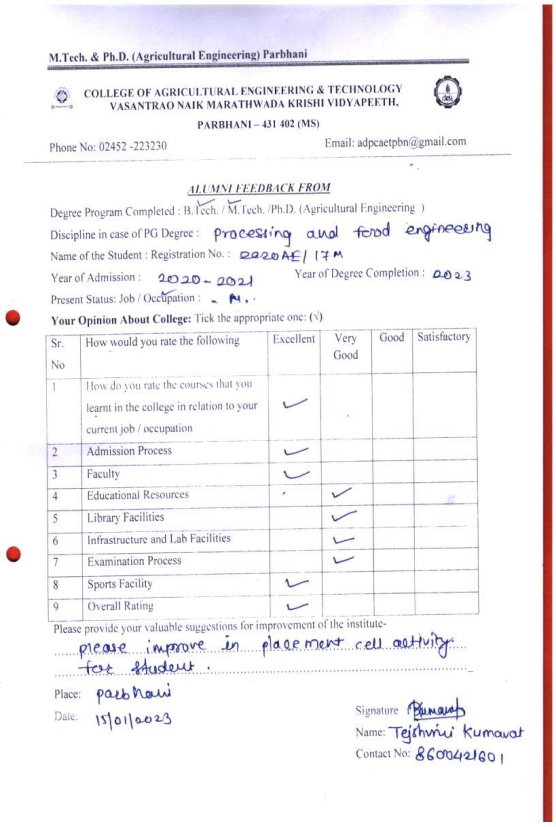
Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation		✓		
2	Admission Process			✓	
3	Faculty		✓		
4	Educational Resources			✓	
5	Library Facilities		✓		
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility		✓		
9	Overall Rating		✓		

Please provide your valuable suggestions for improvement of the institute-
Very Good College & University.

Place: Parbhani.
Date: 14

Signature
Name: A.V. Walker
Contact No: 9421864320



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Processing and food engineering
Name of the Student : Registration No. : 2020AE/17M
Year of Admission : 2020-2021 Year of Degree Completion : 2023
Present Status: Job / Occupation : - M. -

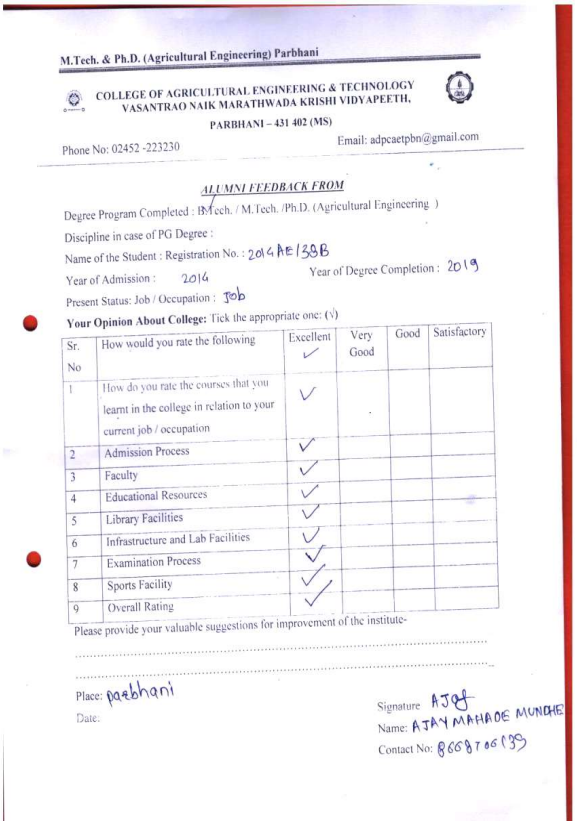
Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation	✓			
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources		✓		
5	Library Facilities		✓		
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility	✓			
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-
please improve in placement cell activity
fore student.

Place: parbhani
Date: 15/01/2023

Signature
Name: Tejshwini Kumavat
Contact No: 8600421801



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree :
Name of the Student : Registration No. : 2014AE/138B
Year of Admission : 2014 Year of Degree Completion : 2019
Present Status: Job / Occupation : Job

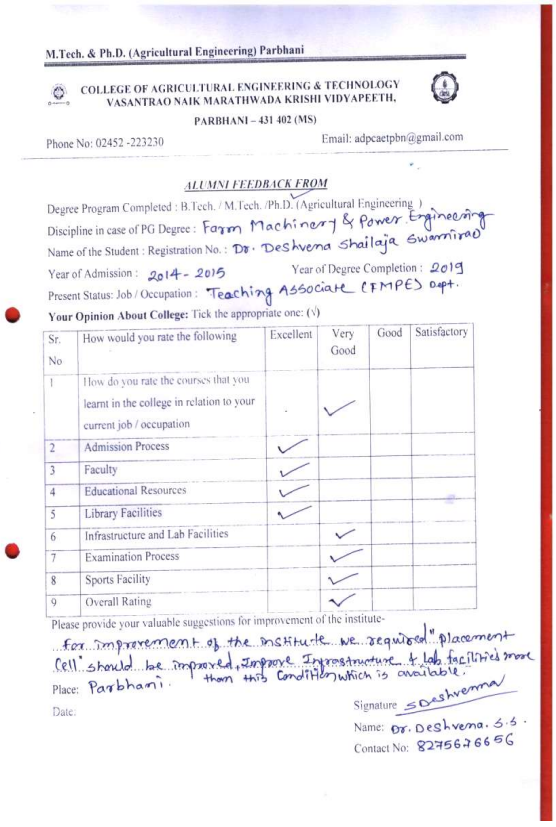
Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation	✓			
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources	✓			
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities	✓			
7	Examination Process	✓			
8	Sports Facility	✓			
9	Overall Rating	✓			

Please provide your valuable suggestions for improvement of the institute-

Place: parbhani
Date:

Signature AJAY
Name: AJAY MAHADE MUNDHE
Contact No: 8605870619



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

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PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

ALUMNI FEEDBACK FROM

Degree Program Completed : B.Tech. / M.Tech. /Ph.D. (Agricultural Engineering)
Discipline in case of PG Degree : Farm Machinery & Power Engineering
Name of the Student : Registration No. : Dr. Deshvena Shailaja Swamirao
Year of Admission : 2014-2015 Year of Degree Completion : 2019
Present Status: Job / Occupation : Teaching Associate (TEMPES) Dept.

Your Opinion About College: Tick the appropriate one: (√)

Sr. No	How would you rate the following	Excellent	Very Good	Good	Satisfactory
1	How do you rate the courses that you learnt in the college in relation to your current job / occupation		✓		
2	Admission Process	✓			
3	Faculty	✓			
4	Educational Resources	✓			
5	Library Facilities	✓			
6	Infrastructure and Lab Facilities		✓		
7	Examination Process		✓		
8	Sports Facility		✓		
9	Overall Rating		✓		

Please provide your valuable suggestions for improvement of the institute-
for improvement of the institute we required" placement Cell" should be improved, Improve Infrastructure & lab facilities more than this condition which is available.

Place: Parbhani.
Date:

Signature Sdeshvena
Name: Dr. Deshvena. S.S.
Contact No: 8275676656

Parents' Feedback

FMP

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: श्री. देशवेना स्वामीराव, रा.
2. Name of students with Reg. No. Degree Prog.: कु. शैलजा स्वामीराव देशवेना
3. Address of the parent: एस. मस्व. देशवेना. यशवंत नगर, खानापूर फाटा. वसमत रोड, परभणी.
4. Name of Student's Adviser: जी. यु. शिंदे.
5. Purpose of visit: शेतकरी मेळावा.
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: सर्व बाबी वरील निकरा असा आहे की. Ladies Hostel सुविधा अवलिम आहेत.
9. Parent's suggestion for improvement
   कृषि अभियांत्रिकी महाविद्यालय हे चांगल्या प्रकारे Programme run करतात व पुढील काही वर्षात विद्यापिठात नवीन भरती व्हावी ज्या रिक्त जागा आहेत, त्यावर लेगे करून आणखीन सुरळीत काम चालेल. व त्वरित कार्यालयीन कामे पार पाडतील.

Signature of parent: Shri. Swamirao Deshmu.
Contact No. 9922666690.

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
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Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Raju Vitthal Bhalerao, Father
2. Name of students with Reg. No. Degree Prog.: Sushant Raju Bhalerao
3. Address of the parent: Pragati Nagar, Haregaon Fata, Shirasgaon Tq. Shrirampur, Dist: Ahemednagar
4. Name of Student's Adviser: G. U. Shinde
5. Purpose of visit:
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above:
9. Parent's suggestion for improvement

Signature of parent
Contact No. 8208799057

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

PARENT'S FEEDBACK FORM

1. Name of the parent and relation with student: Dnyaneshwar Shamrao Harkal [Father]
2. Name of students with Reg. No. Degree Prog.: Harkal Anil Dnyaneshwar
3. Address of the parent: At. Kumbhari Ta. Jintur Dist. parbhani.
4. Name of Student's Adviser: Dr. S.N. Solanki.
5. Purpose of visit:
6. Do you get periodical information of ward about his/her academic progress and attendance: Yes / No
7. Feedback/ comments of parent:(tick the appropriate)
   - Ward's Security : Excellent / Very good / Good / Satisfactory
   - Co-operation from faculty : Excellent / Very good / Good / Satisfactory
   - Administrative support : Excellent / Very good / Good / Satisfactory
   - Process of ward's leaving/ joining the hostel: Excellent / Very good / Good / Satisfactory
   - Present Fees structure: Satisfactory / Non - Satisfactory
8. Parent's general opinion about to college / hostel/ classes / teaching / practical / student's progress or any other point not covered above: Satisfactory
9. Parent's suggestion for improvement –

Signature of parent
Contact No. 9579382897

Farmer Group Feedback

FMP

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
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Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : रामराव बाळासाहेब शिंदे
2. Address of the farmer/Farmers' Group. : श्यामपुर नगर परभणी
3. Date of Visit to college / Dept. / Unit. : 4-6-2023 FMP
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS. ~~4-6-2~~ F.M.P.
5. Brief information of farmer's query: पेरणी यंत्राबद्दल माहिती हवी होती सोळंकी मॅडम
6. Name of Attending scientist / Faculty / Technical Person: योग्य मार्गदर्शन मिळाले.
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: —
8. Farmers general opinion about College / Unit / Department.
   वेळेवरी शेतकऱ्यांना यंत्र बद्दल माहिती मिळते.

Signature आर.बी.शिंदे.
Contact No. 9970003061

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : रामेश्वर विनायकराव ढगे
2. Address of the farmer/Farmers' Group. : मु. शेंद्रा पो. कारेगाव ता. जि परभणी
3. Date of Visit to college / Dept. / Unit. :
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: FMP पेरणी यंत्र सायकलयुक्त, फवारणी
6. Name of Attending scientist / Faculty / Technical Person:
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: शेंद्रा
8. Farmers general opinion about College / Unit / Department.
   चांगले मार्गदर्शन मिळाले

Signature
Contact No. 9604953578

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : कालिदास बाबुराव ढगे
2. Address of the farmer/Farmers' Group. : शेंद्रा ता. जि परभणी
3. Date of Visit to college / Dept. / Unit. : F.M.P
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: ट्रॅक्टर माहिती
6. Name of Attending scientist / Faculty / Technical Person: पाटील सर
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required:
8. Farmers general opinion about College / Unit / Department.
   योग्य माहिती मिळाली

Signature कालिदास
Contact No. 9673784178

M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
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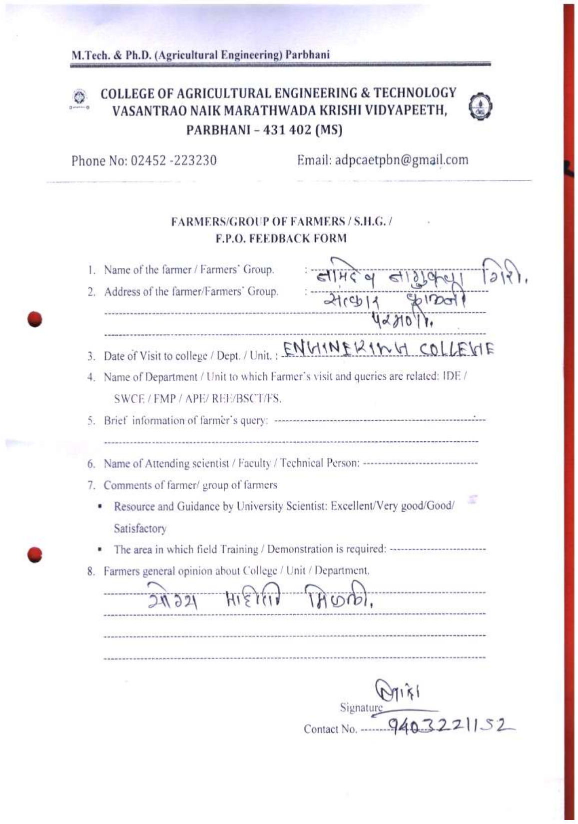
PARBHANI – 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : चंद्रकांत प्रल्हादराव देशमुख
2. Address of the farmer/Farmers' Group. : लोंढे गल्ली, परभणी
3. Date of Visit to college / Dept. / Unit. : FMPE
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: हळद लागवड पेरणी यंत्र पाहण्यासाठी
6. Name of Attending scientist / Faculty / Technical Person: डॉ. सोळंकी मॅडम
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required:
8. Farmers general opinion about College / Unit / Department.
   हळद लागवडी बद्दलची सर्व माहिती मिळाली

Chandrakant
Signature
Contact No. 9022873693



M.Tech. & Ph.D. (Agricultural Engineering) Parbhani

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY
VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH,
PARBHANI - 431 402 (MS)

Phone No: 02452 -223230 Email: adpcaetpbn@gmail.com

FARMERS/GROUP OF FARMERS / S.H.G. /
F.P.O. FEEDBACK FORM

1. Name of the farmer / Farmers' Group. : नामदेव बाबुराव गिरी.
2. Address of the farmer/Farmers' Group. : सरकार [illegible] परभणी.
3. Date of Visit to college / Dept. / Unit. : ENGINERING COLLEGE
4. Name of Department / Unit to which Farmer's visit and queries are related: IDE / SWCE / FMP / APE/ REE/BSCT/FS.
5. Brief information of farmer's query: ---
6. Name of Attending scientist / Faculty / Technical Person: ---
7. Comments of farmer/ group of farmers
   - Resource and Guidance by University Scientist: Excellent/Very good/Good/ Satisfactory
   - The area in which field Training / Demonstration is required: ---
8. Farmers general opinion about College / Unit / Department.
   योग्य माहिती मिळाली.

Signature
Contact No. 9403221152

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

Table 8: Student admitted and attrition in Ph.D. programme in last five years

Name of the Degree Programme Ph. D.	Students admitted					Attrition (%)				
	2018-19	2019-20	2020-21	2021-22	2022-23	2018-19	2019-20	2020-21	2021-22	2022-23
Farm Machinery and Power Engineering	-	-	-	01 1M	02 2M	-	-	-	-	-

Table 9: Students intake and attrition in Ph. D. degree programme

Batch	Ph. D.			
	Students admitted		Dropped	
	M No.	F No.	M No.	F No.
2018-19	00	00	00	00
2019-20	00	00	00	00
2020-21	00	00	00	00
2021-22	01	00	00	00
2022-23	02	00	00	00

Table 10 : Students Passed out (Ph.D. degree programme)

Sr. No.	Year	No. of Ph.D. students
1	2018-19	01
2	2019-20	01
3	2020-21	01
4	2021-22	02
5	2022-23	-

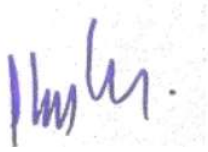
6.4.9 ICT Application in Curricula Delivery

The PG classrooms are equipped with LCD projectors for power point presentations. Following ICT tools are used in PG classrooms and laboratories for teaching and conducting practical of PG courses.

1. Desktop and Laptop
2. Document Camera/Visualize
3. Interactive White Board
4. Interactive Projector- Kayon
5. Simple-Projector
6. Speakers
7. Digital Camera
8. Printer
9. Wireless Microphone for Convenience
10. Digital Podium

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology**,** Parbhani hereby certify that the information contained in Section 6.4 (Section 6.4.1 to 6.4.9) are furnished as per the records available in the college and degree awarding University.



(U.M. Khodke)
Dean

Date:

Seal:

6.5 Self Study Report of the College

6.5 Self Study Report of the College

College of Agricultural Engineering and Technology is a constituent college of Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani. It is established on 23rd November, 1986 vide the Govt. of Maharashtra Resolution No. **MKV-1286/CR-101/20-A dated 23 October 1986** with initial intake capacity of 32. The main objective of establishment of College of Agricultural Engineering & Technology is to cater the need of Agricultural Engineering education of Marathwada region of Maharashtra state. College is located within University main campus. The intake capacity of the degree programme was later increased to 64 students in the year 2005-06 and 80 students in the year 2022-23.

College also have PG programmes of M. Tech and Ph. D. degree. The post-graduate programme leading to M. Tech. degree in Soil and Water Conservation Engineering was started in the year 1998 with intake capacity of two students (MCAER order No. **MCAER/EDU/CR-884/KA-2/603/96 dated 07 March 1996)**. Further in 2002, M. Tech. Degree programme was started in another three disciplines viz. Agricultural Process Engineering, Farm Machinery and Power, and Irrigation and Drainage Engineering with intake capacity of four students in each discipline.

In 2018-23, Ph.D. (Agril. Engg.) degree programme in four major specializations was started in: (i) Irrigation and Drainage Engineering (ii) Soil and Water Conservation Engineering (iii) Processing and Food Engineering and (iv) Farm Machinery and Power Engineering with intake capacity of two students (**MCAER decision No. 21/88/2013 of order No. MCAER/EST-5/ACM-2113/1649/2013)**.

The college campus is located within the jurisdiction of Parbhani Municipal Corporation and spread over an area of 6 ha comprising the college building, boys hostel building, play grounds, renewable energy park, ELP unit, instructional farm (2.52 ha) and research and demonstration farm (22.15 ha).

Graduation programme in Agricultural Engineering is being run in which students are admitted through Central Online Admission Process (CAP) implemented by State Nodal Agency, Maharashtra Council of Agricultural Education and Research, Pune and through Central Admission Process by ICAR, New Delhi.

6.5.1 College Administration

6.5.1.1 College Dean's Office Establishment

The post of Associate Dean and Principal of College of Agricultural Engineering is sanctioned by State Government Resolution during the establishment of college. Presently Dr U.M. Khodke, is working on the Associate Dean and Principal since October 2016. Following posts are sanctioned by Government of Maharashtra for the establishment of Dean's office. Existing status of Dean's office establishment of the college is as under (Table 1).

Table 1: Details of Dean's office establishment

S. No.	Post	Sanctioned	Position	
			Filled	Vacant
1	Associate Dean	01	--	01
2	Asstt. Section Officer	01	01	-
3	Stenographer	01	01	-
4	Sr. Clerk	01	01	-
5	Jr. Clerk	05	01	04
6	Driver/Computer operator/technician	01	01	00
7	Mazdoor	05	04	01
8	Agril. Assistant	02	01	01
9	Peon	05	04	01
10	Sweeper	05	04	01
11	Watchman	01	-	01
12	Electrician	01	-	01

The office of Dean is well furnished with chairs, sofa set, meeting tables and refrigerator as well as communication modes such as computers, internet facility, fax and telephone facility, zerox machine, 20 kW generator set and water RO purifier (Table 2).

Table 2: Details of communication facilities at Dean's office

S. No.	Communication Mode	Details
1	Telephone	02452-223230
2	Mobile	9422178025
3	Fax	02452-223230
4	e-mail	adpcaetpbn@rediffmail.com, adpcaetpbn@gmail.com

Dean's office has three blocks. One block each is allocated for education branch, administrative section and account & scholarship section. Computers, printers and photocopying machines with internet facilities are available in education branch. The education branch has three separate rooms and examination hall, while the administrative

section has four compartments with computer and internet facilities. In order to provide continuous uninterrupted power supply to Dean's office, establishment, education branch, account and scholarship section, examination section and similar other common educational facilities, 20 kW diesel run generator is provided. In addition separate 3 KW inverters are provided to each section.

Table 3: Details of infrastructure at Dean's office

S. No.	Particulars	Size (sq.m)
1	Associate Dean's Chamber	40.58
2	Meeting Hall	40.58
3	Waiting Hall	25.64
4	Stenographer Office	25.64
5	College Administrative office	66.70
6	Education and exam Cell	9.29

6.5.1.2 Monitoring Mechanism for Quality Education (On-Line)

College has internal quality assurance system, with appropriate structure and processes and with enough flexibility to meet the diverse needs of the stakeholders. This helps in planning, guiding and monitoring quality assurance and quality enhancement activities of the college.

Institutional Planning and Monitoring Processes

- The Dean is the administrative Head, who is responsible for planning, coordinating and monitoring the mandatory activities of the academic staff such as teaching, research and extension in consultation with the concerned Heads of the Department.
- Dean conducts monthly meeting with the Heads of the Departments, Academic staff and members of the Students Council to maintain congenial and pleasant healthy environment among the students.
- Dean also conducts meeting of administrative and accounts staff for planning and monitoring the various activities.

Teaching

- College has monitoring mechanism for quality education and have separate Education and Examination branch at college level. Education and Examination branch of college, regularly execute and monitors registration, plan the schedules of theory and practical classes. Monitoring of theory and practical education, internal evaluation and planning and execution of research and in-plant training is also done at department level.

- Dean undertakes surprise vigilance to the classes of UG and evaluate the performance of the teachers and students in the class, whereas informal discussions with the students help in getting their feedback which is a part of routine work.

Research

- Department wise meetings are conducted to plan the research work of UG, PG and Ph.D. students and faculty members. The research topics are approved by the Research Committee of the University. The staffs are expected to carry out the approved research and present the report in the Research Review Committee at University level. On approval from the RRC the research recommendations are presented before the Joint Agricultural Research Committee for release at the State level.

Extension

- Need based trainings, workshops, crash courses, lectures and demonstrations are planned by the Departments for the benefit of the society, beside this various radio, TV talks are broadcasted. Coverage of extension programme is given by local and National channels on TV and through social media.
- Extension activities are regularly planned according to the requirement of stakeholders and dissemination of technology is done through organization of *melavas*, rallies, and exhibition where different research outcomes are shared by means of posters, presentations and oral advice to the stakeholders. Moreover, discussion of future activities is carried out in monthly meetings.
- The various cells like education, research, extension, examination, students' guidance and counselling have been established for smooth functioning of academic activities. Besides this, to maintain discipline and study environment in the College and Hostel premises Anti-Ragging Committee is formulated.

Impact of monitoring on the outcome

- During 2018-2023 total 26 students are qualified through the PG entrance examinations conducted at National level for pursuing higher education so as to get high grade professional job, similarly about 100 students qualified the entrance examinations conducted at State level for pursuing higher education.
- Fourty five students of the college are working in private institutes, organizations and firms as Design/Sales Engineer dealing with irrigation systems and components, seed

processing and marketing, tractor and farm machinery, renewable energy, electric motor accessories, watershed development organisations, NGOs, etc.

- Fourty seven students (46% of the total passed out graduates of the college) during 2018-19 to 2022-23 are selected in different banking and financial sector, dealing with Agricultural Development Projects for farming community.

6.5.1.3 CC/Board of Studies

Constitution of Board of Studies

In accordance with the provisions of section 36 and subject to the approval of the Academic Council and Executive Council a Board of Studies for a subject is constituted for the concerned discipline. Constitution of 'Board of Studies' is as under. The Chairman may invite one or two academic staff members from constituent colleges for a particular meeting.

Table 4: Details of constitution of Board of Studies

S. No.	Designation	Position in committee
1	Head of the Department	Ex-Officio Chairman
2	Heads of the Department in other SAU's	Member
3	Academic staff of department	Member
4	Govt. development departments (Agriculture and allied field) Official	Member
5	Progressive farmer/Entrepreneur in Marathwada region	Member
6	Academic staff of department	Secretary

At college level, Board of Studies (BOS) Committees in six disciplines exists as per Maharashtra Agricultural Universities Statutess. Regular meetings of BOS are conducted to discuss the issues pertaining to UG and PG syllabus, research aspects, in-plant training, advance techniques and instrumentations, etc. and recommendations are made in particular discipline. Additional BOS meetings are also conducted as the need arises to discuss the related issues. Details of BOS meetings conducted during 2018-19 to 2022-23 at the college are presented in Table 5.

Table 5: Department wise dates of conduct of BOS meetings during last five years

Year	Dates of Meeting	Decisions / Recommendations
Department of Irrigation and Drainage Engineering		
2018-19	21/12/2018	ORW of M.Tech. students Mr. Bachhe S. S., Mr. Ghodke N .L.
2019-20	05/10/2019	ORW of M.Tech. Students, Mr. Giram D. M., Miss. Phupate A.B. Synopsis of Ph.D. students, Mr. Jadhav S. B., Mr. Supekar S. J.
2020-21	02/07/2020	ORW of M.Tech. students, Chalapati H. V., Mr. Jawale B. V., Mr. Jadhav R. N., Mr. Sangale B. B.
2021-22	11/11/2021	ORW of M.Tech. student, Mr. Balore K. A., Miss. Rohokale A. S., Miss. Waghmare B. N.
2022-23	28/07/2022	ORW of M.Tech. student, Mr. Giram K.S., Miss. Pawar H.B., Mr.Thombre V.C., Mr. Choudhary V.S.
2018-19	21/12/2018	ORW of M.Tech. students Mr. Bachhe S. S., Mr. Ghodke N .L.
Department of Soil and Water Conservation Engineering		
2018-19	22-5-2018 14-12-2018	1. Approval of ORW of Ph D Student S D Payal 2. Approval for inclusion of scientist from MRSAC Nagpur as member of SAC of Ph D Student S D Payal. 1. Approval of ORW of three M Tech students
2019-20	29-7-2019 7-2-2020 20-2-2020	1. Approval of ORW of Ph D student M R More & two M. Tech students. 1. Approval of ORW of Ph D Student More R M 2. Approval of research synopsis of Ph D Student A M Kamble 1. Approval of research synopsis of Ph D student Ms Pimpale S V
2020-21	6-11-2020 25-1-2021	1. Approval of ORW of three M. Tech students 1. Approval of research synopsis of Ph D student S D Payal 2. Approval of ORW of two M. Tech students
2021-22	16-9-2021 15-3-2022	1. Approval of ORW of Ph D student S N Pawar 1. Approval of ORW of three M. Tech students
2022-23	17-5-2022 10-10-2022	1. Approval of ORW of M. Tech student S A Sarode 1. Approval of Research synopsis of Ph D student M R More

Department of Agricultural Process Engineering		
2017-18	24/04/2018	ORW of M. Tech. students, Giram R, J., Nakade K. T., ORW of Ph. D. Students, Ms. Gajabe M.H., Mrs. More P. G., CPW of M. Tech. in Process and Food Engineering, Giram R, J., Nakade K. T.
2020-21	06/03/2020	Approval of ORW of M.Tech students Mr.Kokane S.B., Miss kalamnurikar .S.S., Mr. Murtadak S.P. Approval of Synopsis of Ph.D students Mr. Jadhav S.B. Miss Gajabe M.H and Miss. More P.G
2021-22	05/05/2022	Approval of list of External examiner for PG and Ph.D curriculum Synopsis of Ph.D student Miss. NilzaOthzes Review of BSMA-PFE,M.tech and Ph.D syllabus
2021-22	16/11/2022	Approval of ORW of M.Tech students Miss.Pallavi Vaidya, Mr. AdityaKhiste, Miss RachanaJadhav
Department of Farm Machinery and Power Engineering		
2018-19	6/9/2018	ORW of M.Tech. students Samir Shaikh, kalish Jondhale, / Ph.D. students R. B. Pawar .
2019-20	27/1/2020	ORW of M.Tech. students Anuj Kolhe, S.S.Shivankar Synopsis of Ph.D.students P.A.Munde, Shailja Deshwena
2020-21	4/12/2020	Synopsis of Ph.D.students ,D.D.Tekale ,R.B.Pawar
2021-22	15/12/2021	ORW of M.Tech students , Kirshna Lohakare, Ashutosh Kakde, Pragati Dhande,Poornima Rathod
2022-23	23/9/2022	ORW of M.Tech students Onkar Kakde,Shinde Vaishnavi,Priyanka Kanyal, Pote vidya,Sushant Bhalrrao
Department of Renewable Energy Engineering		
2018-19	14/06/2018	Approval of redesignation of post of Asstt. Prof. (FSRE) to Asstt. Prof. (RES)
2019-20	23/08/2019	Approval of changing the name of department as per Vth deans Committee. Preparation of ELP.
2020-21	29/10/2020	Review and strengthening of staff position and approval for contractual teacher
2021-22	15/06/2021	Preparation of proposal for teaching associate
2021-22	18/01/2022	Review of PG syllabus as per BSMA norms Review of laboratory facilities and filling the post of teaching associate
2022-23	17/10/2022	Instruments and books required as per BSMA Sllabus for M.Tech and PhD courses. Printing of practical books of various courses as per Vth deans committee syllabus

Department of Farm Structures		
2018-19	26/02/2019	1. Consultancy and testing in department for revenue generation. 2. Recognition of faculty in the department as PG Research guide.
2019-20	20/07/2019	1. Finalization of training institute for IA/ELP. 2. Appointment of Contractual teacher
2020-21	06/08/2020	3. Strengthening of FS Lab 4. Appointment of Contractual teacher
2021-22	09/08/2021	1.Appointment of Contractual teacher
2022-23	10/06/2022	1. Finalization of PG syllabus as per BSMA norms. 2.Appointment of Contractual teacher

To address the academic, research and student specific issue, council committee exists at Faculty level. Regular meetings of the CC (Council Committee) were conducted to discuss the issues related to all degree programmes and submitted to academic council for further recommendations and implementations.

Table 6: Structure of College/ Faculty Council Committee

S. No.	Position	Name of the faculty	Position in committee
1	Associate Dean and Principal	U. M. Khodke	Chairman
2	Head (Agril.Engineering) Professor	R.G. Bhagyawant	Member
3	Associate Professors	V. M. Bhosale R.T. Ramteke; B. W. Bhuibhar S. N. Solanki; R.V. Jaybhaye H.W. Awari P. A. Munde; S. B. Jadhav D. D. Tekale; B. B. Badgire	Members
4	Assistant Professor	M.S. Pendke B. P. Sawant; A. R. Mantri M. R. More; N. M. Tamboli S. J. Supekar; A. M. Kamble S. B. Jadhav; S. D. Vikhe P. G. More; G. U. Shinde S. D. Payal; R. V. Shinde V.B. Jadhav; V. K. Ingle S. R. Garud; D. V. Patil S. N. Pawar	Member
5	Asistant Registrar	Representative of Registrar	Member
6	Progressive farmer/Enterpreneur	-	Member

S. No.	Position	Name of the faculty	Position in committee
7	Professor	S. U. Khodke	Secretary

6.5.1.4 Anti Ragging Cell

As per the directives and recommendations of the Hon Supreme Court of India 2009 Civil Appeal No. 887/2009 and UGC, college has formulated 'Anti-Ragging Committee (Table 7) and Vigilance Committee' (Anti Ragging Squad) (Table 8). Committee is constituted for each academic year to tackle the menace of ragging and prevention of ragging incidences in college and hostel premises. Constitution of above committees is as under.

Table 7: Anti-Ragging Committee

S. No.	Name of the employee	Designation	Position in committee
1	Dr. U. M. Khodke	Associate Dean and Principal	Chairman
2	Dr. R. T. Ramteke	HOD (REE)	Member
3	Prof. B.W. Bhuibhar	HOD (SWCE)	Member
4	Dr. S. U. Khodke	HOD (APE)	Member
5	Prof. V. M. Bhosale	HOD (BSCT)	Member
6	Dr S. N. Solanki	HOD (FMP)	Member
7	Dr. P. A. Munde	Associate Professor (FMP)	Member
8	Dr. S. D. Vikhe	Assistant Professor (Civil Engg)	Member
9	Dr. V. K. Ingle	Assistant Professor (IDE)	Member
10	Mr. A. D. Harkal	Ph. D. student	Member
11	Mr. A.A. Khiste	M. Tech. Student	Member
12	Mr. D. R. Zagare	B. Tech. Student	Member
13	Mr. R. G. Shinde (Sanpuri)	Student Parent	Member
14	Nayab Tahsildar	Nayab Tahsildar, Tahsil office, Parbhani	Member
15	M. B. Deshmukh	Reporter, Daily Lokmat, Parbhani Office	Member
16	L. V. Rautmare	Technical officer	Secretary

The committee addressed the joint orientation programme of fresher and juniors. The committee takes an appropriate decision in regard to punishment or otherwise depending on the facts of incidents of ragging and nature and gravity of the ragging incidents. The Anti-ragging cell is functioning in room No. 3 of the college building.

In order to curb and prevent ragging incidents in college and hostel premises, Anti-Ragging Squad is also in-place at college level (Table 8). ARS makes frequent surprise

raids on hostel and other places of incidence in college premises; conducts on the spot enquiry of the cases reported and submits the report to Anti Ragging Committee.

The vigilance squad is perpetually vigilant for curbing any kind of ragging incidence among students in college and hostel premises. The squad undertakes frequent and sudden visits to the hostels, library, play grounds and other places in the college campus/premises. In case of intentional or inadvertent cases of dreadful ragging incidents, if noticed, the squad officially lodges the complaint against the guilty students to the chairman of the anti-ragging committee for further investigation. At college and hostel premises, no ragging incidences have been reported during 2018-19 to 2022-2023.

Table 8: Anti-Ragging Squad

Sr. No.	Name of the employee	Designation	Position
1	Dr. R. T. Ramteke	HOD (REE)	Chairman
2	Prof. B. W. Bhuibhar	HOD (SWCE)	Member
3	Dr. S. U. Khodke	HOD (APE)	Member
4	Dr. P. G. More	Asstt. Prof. (APE)	Member
5	Dr. P. A. Munde	Asso. Prof. (FMP)	Member
6	Dr. G. U. Shinde	Asstt. Prof. (FMP)	Member
7	Dr. M. R. More	Asstt. Prof. (SWCE)	Member
8	Dr. R. V. Shinde	Asstt. Prof. (BSCT)	Member
9	Dr. V. K. Ingle	Asstt. Prof. (IDE)	Member
10	Dr. S. R. Garud	Asstt. Prof. (APE)	Member
11	Prof. D. V. Patil	Asstt. Prof. (FMP)	Member
12	Dr. S. D. Vikhe	Asstt. Prof. (Civil Eng.)	Secretary

In addition, in order to maintain the discipline and good conduct, in college and hostel premises, Disciplinary Committee at college level is in-place. The committee enquires the incidences pertaining to conflicts among students, damaging public property and others in hostel and college premises. The committee follows the usual procedure of discipline and conduct and suggests punishment on the basis of nature of in-discipline/mis-conduct and submits the report to Associate Dean and Principal. The constitution of the disciplinary committee is as under (Table 9).

Table 9: Disciplinary Committee of the college

S. No.	Name of the employee	Designation	Position
1	Dr. R. T. Ramteke	HOD (REE)	Chairman
2	Prof. B. W. Bhuibhar	HOD (SWCE)	Member
3	Prof. V. M. Bhosle	HOD (BSCT)	Member
4	Dr. S. D. Vikhe	Asstt. Prof. and Hostel Warden	Member
5	Dr. P. G. More	Asstt. Prof. (APE)	Member
6	Dr. V. K. Ingle	Asstt. Prof. (IDE)	Member
7	Dr. P. A. Munde	Asso. Prof. (FMP)	Secretary

Vigilance Committee is formulated annually to supervise the security aspects of fresher students during admission process and post admission process. The frame work of Vigilance Committee, formulated is as under (Table 10).

Table 10: Vigilance Committee

S. No.	Name of the employee	Designation	Position
1	Prof B W Bhuibhar	HOD (SWCE)	Chairman
2	Dr. S. B. Jadhav	Asso. Prof. (IDE)	Co-chairman
3	Dr. G. U Shinde	Asstt. Prof. (M.E.)	Member
4	Dr. R. V. Shinde	Asstt. Prof. (Phy.)	Member
5	Dr. S. R. Garud	Asstt. Prof. (APE)	Member
6	Prof. D. V. Patil	Asstt. Prof. (FMP)	Secretary

Hostel Management Committee is also in place for this college in order to address the difficulties and problems and to monitor the facilities pertaining to cleanliness, sanitation, security aspects, etc. provided for the students at hostel. The frame work of Hostel Management Committee is as under (Table 11).

Table 11: Hostel Management Committee

S. No	Name of the employee	Designation	Position
1	Dr. S. D. Vikhe	Asstt. Prof. and Hostel Warden	Chairman
2	Dr. P.G.More	Asstt. Prof. (APE)	Member
3	Dr. M.R.More	Asstt. Prof. (SWCE)	Member
4	Shirale B.K	Hostel Assistant	Member
5	Mr. D. B. Pawar	Student Representative	Member

	(2020AEPB/047)		
6	Mr.S.R Chame (2020AEPB/007)	Student Representative	Member
7	Er. Shaikh Ahmed	Junior Engineer Office of University Engineer	Member
8	Dr. V. K.Ingle	Asstt. Prof. and Hostel Warden	Member Secretary

6.5.1.5 Biological Waste Disposal Facility

Biological waste disposal facilities are in-place separately at college and hostel premises. Biological waste is disposed of on the principle of composting in the composting pits and the by product is used as manure in college premises and on instructional farm. E-waste generated in the college is discarded by writing off the record and same is auctioned as and when required as per the university rules.

6.5.1.6 Institutional Ethics Committee for Experiment on Animals

The college follows all the guidelines of CPCSEA and also constituted an Institutional Ethics Committee. However, in the ICAR recommended syllabus of UG, PG and Ph. D. programme, no course, syllabus or topic is included regarding actual experiments on animals. However, the institutional ethics committee for experiments on animals is in operation at the college, if any experiments/ practicals are proposed on animals. AICRP on Utilization of Animal Energy is in operation in the college and hence this work is allotted to them. The Institutional Ethics Committee of the college for experiment on animals is as under (Table 12):

Table 12: Institutional ethics committee for experiment on animals

Sr. No.	Name of Staff	Position
1	Dr S. N. Solanki Head, Deptt. of FMP, CAET, VNMKV, Parbhani.	Chairman
2	Dr Dinesh Singh Chauvan I/C, Central Cattle Breeding Project, VNMKV, Parbhani.	Member
3	Dr. S. S. Deshmukh Asstt Prof. CCBP, VNMKV, Parbhani.	Member
4	Shri. A.A. Waghmare SRA, CAET, VNMKV, Parbhani	Member
5	Dr. P. A. Munde Asso. Prof. Deptt. of FMP, CAET, VNMKV, Parbhani.	Member Secretary

6.5.1.7 Committee for Prevention of Sexual Harassment of Women at Work Places

Prevention of Sexual harassment of women at work place is constituted at university level for redressal of cases under sexual harassment at university level. At college level the committee for prevention of Sexual Harassment of Woman at work place has also been constituted (Table 13). The constitution of the committee is as under.

Table 13: Committee for prevention of sexual harasement of women at workplace

S. No.	Name of Staff Member	Designation
1	Dr. S. U. Khodke, HOD (APE)	Chairman
2	Dr. S. D. Vikhe, Asstt. Prof. (FS)/ Hostel Warden	Member
3	Dr. P. G. More, Asstt. Prof. (APE) & Hostel Warden	Member
4	Asst. Reg. GAD, Registrar Office, VNMKA, Parbhani	Member
5	Smt. S. A. Tonage, Labour	Member
6	Smt. S. S. Talekar, Agril. Asstt.	Secretary

The college has in all 10 women staff members, comprising of 3 academic, 3 ministerial and 4 labourers and there are 57 girl students in UG, PG & Ph.D. degree programme. During last five years, there is no complaint of sexual harassment of women in the college.

Committee for prevention of sexual harassment at work place of women is holds surprise meetings in August every year regarding awareness about rules and regulation regarding sexual harassment of women at work place, similarly and a review meetings after every six months were conducted during last five years.

6.5.2 Faculty

6.5.2.1 Faculty Strength

In all, 19 posts of academic staff are sanctioned by Govt. of Maharashtra for UG, PG and Ph. D. programmes of the college. The sanctioned faculty consists of one post of Associate Dean and Principal, five posts of Associate Professors, 11 posts of Assistant Professors (Agricultural Engineering) and one each of Electrical Engineering, Civil Engineering and Mechanical Engineering. The sanctioned and in-place positions of faculty of the college and other faculty of the University and contractual teachers engaged for UG, PG and Ph.D. Programme are presented in Table 15-18.

Table 14 : Details of sanctioned and in-place position of faculty of college

S. No.	Sanctioned Faculty	Faculty in Place	Vacant Position	Sanctioned position	Faculty recommended by the ICAR regulatory body	Deviation (%)
1	Associate Dean and Principal	-	1	1	1	00
2	Professor	--	--	00	07	100
3	Associate Professor	05	00	05	14	64
4	Assistant Professor	11	02	13	21	38
Total		**16**	**03**	**19**	**43**	**56**

* Available faculty are being utilized for multiple programmes

Table 15 : Department wise sanctioned and in-place position of faculty in the college

S. No	Post	Sanctioned post	Filled post	Vacant	Faculty recommended by the ICAR regulatory body	Remark
1	**Department of Irrigation and Drainage Engineering**					Services of the Assistant Professors and Associate Professors from faculty of Agriculture and from AICRP on Irrigation Water Management and Dry land Agriculture are spared and deputed to support the teaching and research activities of College of Agricultural Engineering
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	2	2	0	3	
2	**Soil and Water Conservation Engineering**					
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	2	2	0	3	
3	**Agricultural Process Engineering**					
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	2	2	0	3	
4	**Farm Power and Machinery**					
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	3	3	0	3	
5	**Renewable Energy Engineering**					
	Professor	0	0	0	1	
	Associate Professor	0	0	0	2	
	Assistant Professor	2	0	2	3	
6	**Farm Structures**					
	Professor	0	0	0	1	
	Associate Professor	0	0	0	2	

	Assistant Professor	1	1	0	3	
7	**Basic Science and Computer Technology**					
	Professor	0	0	0	1	
	Associate Professor	1	1	0	2	
	Assistant Professor	1	1	0	3	

Research Staff Involved in UG and PG Teaching

S.No	Name of employees	Designation	Qualification
1	Dr. S.N. Solanki	Professor (CAS) and Research Engineer	M.Tech.(FPAM), Ph.D. (FMP)
2	Dr. D.D. Tekale	Professor (CAS) and Agril. Engineer	M.Tech.(FPAM), Ph.D. (FMP)
3	Dr. M.S. Pendke	Professor (CAS) and Agril. Engineer	M.Tech.(SWCE), Ph.D. (SWCE)

Table 16: Outsourcing from Other Constituent Colleges of VNMK (from 2018-19 to 2022-23)

Academic Year	Session	Name of University Teacher	Qualification	Course No.	Credits
2018-19 to 2022-23	Monsoon/ Summer	Dr. P.K. Waghmare	Ph.D. (Agro.)	ASAGRO-111	2(1+1)
		Dr. V.N. Shinde	Ph. D. (Hort.)	ASHORT-111	2(1+1)
		Dr. R. N.Khandare	Ph.D.(SS & AC)	ASSS-111	2(1+1)
		Dr. R.C.Sawant	Ph.D.(Agril. Extn.)	DEG-111	1(1+0)
		Dr. R.C.Sawant	Ph.D.(Agril. Extn.)	ASEXTN-231	2(1+1)
		Dr. S.B.Borgaonkar	Ph.D.(Agril. Botany)	ASESDM-	3(2+1)

Table 17: Details of contractual teachers engaged for completing curriculum of UG degree programme (from 2017– 18 to 2022 -23)

Subject: Agriculture Sciences

Academic Year	Session	Name of Contractual Teacher	Qualification	Course No.	Credits
2018-19	Monsoon	V. D. Raut	M.Sc. (Agril. Extn)	AS-EXTN-111	2(1+1)
		V. D. Raut	M.Sc. (Agril. Extn)	DEG-111	1(1+0)
		V. D. Raut	M.Sc. (Agril. Extn)	AS-EXTN-231	2(1+1)
	Summer	M. S. Mokalikar	M.Sc. (Agril.Hort.)	AS-HORT-121	2(1+1)
2019-20	Monsoon	--	--	--	--

	Summer	Thalkari	M.Sc. (Agril. Hort.)	AS-HORT-121	2(1+1)
		Mrs. Pawar M V	M.Sc.(Envormental Science)	AS-ESDM-361	3(2+1)
2020-21	Monsoon	--	--	--	--
	Summer	--	--	--	--
2021-22	Monsoon	--	--	--	--
	Summer	Pisore V R	M.Sc.(Agril.Agro)	AS-AGRO-121	2(1+1)
2022-23	Monsoon	Guldagad	M.Sc. (Agril. Extn)	AS-EXTN-231	2(1+1)
	Summer	--	--	--	--

Department of Basic Science & Computer Technology

Academic Year	Session	Name of Contractual Teacher	Qualification	Course No.	Credits
2018-19	Monsoon	K. V.Bothara	B.E.(E&TC)	BSCOMP-111	2 (1+1)
	Summer	G.S.Shekde	M.Sc.(Maths)	BSSTAT - 121	2 (1+1)
		Dr. Sayed Khizer	Ph.D.(Comp. Science)	BSCOMP-122	2(0+2)
2019-20	Monsoon	K. V.Bothara	B.E.(E&TC)	BSCOMP-111	2 (1+1)
	Summer	G.S.Shekde	M.Sc.(Maths)	BSSTAT - 121	2 (1+1)
		Dr. Sayed Khizer	Ph.D.(Comp. Science)	BSCOMP-122	2(0+2)
2020-21	Monsoon	--	--	--	--
		G.S.Shekde	M.Sc.(Maths)	BSSTAT - 121	2 (1+1)
2021-22	Monsoon				
	Summer	S. E.Chavan	M.Sc.(Maths)	BSSTAT - 121	2 (1+1)
2022-23	Monsoon	--	--	--	--

Department of Farm Structures

Academic Year	Session	Name of Contractual Teacher	Qualification	Course No.	Credits
2018-19	Summer	Er.C.J.Karegaonkar	B. E. (Mechanical)	FS-122	2(1+1)
2019-20	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-233	2(1+1)
	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-111	3(2+1)
2020-2021	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-233	2(1+1)
	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-111	3(2+1)
2021-2022	Summer	Er.V.N.Karhale	B. E. (Civil)	FS-122	2(1+1)
	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-111	3(2+1)
2022-2023	Summer	Er.V.N.Karhale	B. E. (Civil)	FS-122	2(1+1)
	Monsoon	Er.V.N.Karhale	B. E. (Civil)	FS-111	3(2+1)

Department of Renewable Energy Engineering

Academic Year	Session	Name of Teacher	Qualification	Course No	Credit
2018-19	(Monsoon)	K. V. Bothra	B.Tech (Electronics & Communications) M.Tech (Digital Communication)	REE-233	3 (2+1)
	(Summer)	K. V. Bothra		REE-122	3 (2+1)
2019-20	(Monsoon)	S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-354	3 (2+1)
	(Summer)	K. V. Bothra	B.Tech (Electronics & Communication) M.Tech (Digital Communication)	REE-122	3 (2+1)
	(Summer)	S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-365	3 (2+1)
2020-21	(Monsoon)	S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-354	3 (2+1)
	(Monsoon)	S.N. Mustapure		ELE-REE-481	3 (2+1)
	(Summer)	S.N. Mustapure		REE-365	3 (2+1)
	(Summer)	S.N. Mustapure		REE-111	2 (1+1)
	(Summer)	K. V. Bothra	B.Tech (Electronics & Communication) M.Tech (Digital Communication)	REE-122	3 (2+1)
2021-22	(Monsoon)	S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-365	3 (2+1)
	(Summer)	S.N. Mustapure		REE-354	3 (2+1)
	(Summer)	S.N. Mustapure		ELE-REE-481	3 (2+1)
2022-23	(Monsoon)	S.N. Mustapure	Ph.D. (Agril. Engg.) Renewable Energy Engineering	REE-243	3 (2+1)
	(Monsoon)	K. V. Bothra	B.Tech (Electronics & Communication) M.Tech (Digital Communication)	REE-122	3 (2+1)

6.5.2.2 Faculty Profile (Department wise)

As per Maharashtra Agricultural Universities Acts & Statute, 1983 & Amendments, 2014 therein, there are seven departments in the college. The profile of the faculties working

in different departments of the college is as under (Table 19).

Table 18. Department wise profile of academic staff members

Sr. No.	Name of the department	Name of the faculty	Designation	Qualification
1	Irrigation & Drainage Engineering	Dr. H.W. Awari	I/C Head & Professor	M. Tech, Ph. D.
		Dr. S. B. Jadhav	Associate Professor	M.Tech., NET, Ph.D.
		Dr. V. K. Ingle	Assistant Professor	M.Tech., NET, Ph. D.
2	Soil & Water Conservation Engineering	Prof. B. W. Bhuibhar	I/C Head & Associate Professor	M. Tech.,
		Dr. M. R. More	Associate Professor	M. Tech., Ph.D.
		Dr. S. D. Payal	Associate Professor	M. Tech. Ph. D.
3	Basic Science & Computer Technology	Dr. V. M. Bhosale	Associate Professor	M.Sc., B.Ed. (Maths)
		Dr. R. V. Shinde	Associate Professor	M. Sc., B. Ed.Ph.D. (Phys)
4	Renewable Energy Engineering	Dr. R. T. Ramteke	I/C Head & Professor	M. Tech. Ph. D.
		Dr. S.N. Mustapure	Assistaant Professor (ad-hoc)	M. Tech. Ph. D.
5.	Farm Structures	Dr. S. D. Vikhe	I/C Head & Associate Professor	M. E., Ph.D. (Civil)
6.	Agricultural Process Engineering	Dr. S. U. Khodke	I/C Head & Professor	M. Tech., Ph. D.
		Dr. P. G. More	Assistant Professor	M. Tech., Ph.D.
		Dr. S. R. Garud	Assistant Professor	M.Tech. NET, Ph.D.
7.	Farm Power & Machinery	Dr Indra Mani	Vice-Chancellor	Ph D
		Dr. S. N. Solanki	Professor	M. Tech. Ph. D.
		Dr. P. A. Munde	Associate Professor	M. Tech. Ph. D.
		Prof. D. V. Patil	Assistant Professor	M. Tech. NET
		Dr. G. U. Shinde	Associate Professor	M. Tech., Ph.D. (Mech.)

Services of the Assistant Professors and Associate Professors from faculty of Agriculture and research projects such as AICRP on Irrigation Water Management and Dry land Agriculture are spared and/or deputed to support the PG & Ph.D. teaching and research activities at College of Agricultural Engineering. The faculty is sufficient to teach the regular courses, cafeteria courses and guidance for training and research projects of UG, PG and Ph.D. programmes of the college.

6.5.2.3 Credentials of the Faculty

The University has employed competent faculty members well qualified to accomplish the mission and goals of the institute. The highest qualification received by each faculty, related work experiences in the field, honors & awards that contribute to effective teaching and students learning outcomes are presented in Table 20. Credentials of the faculty of the college are presented in Table 20.

Table 19 : Credentials of the faculty of College

Name of Faculty	Post	Highest Qualification	Credentials			
			Date of Joining and Work Experience	No. of research papers and Abstract/work experience	Awards, professional fellows and other accomplishments	Technologies/ processes / Implement released/ Patent developed
Department of Irrigation and Drainage Engineering						
U.M. Khodke	Professor & Asso. Dean & Principal	M. Tech., Ph. D.	25/2/1988 37 years experience in teaching, research, extension and administration Implements 4 research projects of 37 works	42 research papers and more than 100 abstracts 14 book chapters 4 books	13 Awards including Radhakishan Shanti, Malhotra Best Research Scientist Award, Vasantrao Naik Memorial Gold Medal, Commendation Medal of ISAE Fellowship of Three professional societies	36 research recommendations and 15 implements released production technology.
H.W. Awari	Professor	Ph. D.(IDE) M. Tech.(IDE)	28/04/1999 24 yrs experience in teaching and research	38 research papers and 25 abstracts	9 awards in social , best paper etc	Six release of research recommendations
S. B. Jadhav	Associate Professor	M. Tech. (IDE), NET,Ph.D.	03/05/2001 22 yrs teaching and research experience	35 research papers and 25 abstracts	D.G *Kulkarni Krishi lekhan Puraskar*, Commendation certificate by NAARM, Hyderabad, Best Teacher Award, 2014Appreciation cert.	Eight research recommendations on production technology.
V. K. Ingle	Assistant Professor	Ph.D.(SWE), M. Tech. NET	16/09/2016 8 yrs teaching and research	15 research papers and 15 abstracts	Best Teacher Award, 2017.	Five research recommendations on production technology

Name of Faculty	Post	Highest Qualification	Credentials			
			Date of Joining and Work Experience	No. of research papers and Abstract/work experience	Awards, professional fellows and other accomplishments	Technologies/ processes / Implement released/ Patent developed
			experience			
S. N. Pawar	Assistant Professor (Agril. Engg.)	M. Tech. (SWCE) NET	31/07/2004 14 years work experience of research and field work	20 research papers and 10 abstracts	Excellance Award "Avishkar 2015" D.G *Kulkarni Krishi lekhan Puraskar, 2009*	Four research recommendations on production technology.
R.G. Bhagyawant	Professor	M. Tech.(IDE), Ph. D.(IDE)	29/04/1999 24 years experience in teaching and research	37 research papers and 25 abstracts	4 Awards including best paper, best trainee and social awards	4 research recommendations
Department of Soil and Water Conservation Engineering						
B. W. Bhuibhar	Associate Professor	M. Tech. (SWCE)	06/11/1991 32 years experience in teaching and research	20 research papers and 10 abstracts	D. G Kulkarni Krishi lekhan Puraskar- 2005	Seven research recommendations on production technology.
M. R. More	Associate Professor	M. Tech., Ph.D. (SWCE)	13/01/2010 Experience of 22 yrs in teaching, research and extension	30 research papers	D.G Kulkarni Krishi lekhan Puraskar, 2001, Laxmikant Kokil Sinchan Lekh Puraskar, 2006 and 2017	Four research recommendations on production technology.
S. D. Payal	Associate Professor	M. Tech. PhD (SWCE)	30/03/2007 Experience of 16 yrs in teaching,	10 research papers and 6 abstracts worked as Nodal	--	Three research recommendations on Production technology.

Name of Faculty	Post	Highest Qualification	Credentials			
			Date of Joining and Work Experience	No. of research papers and Abstract/work experience	Awards, professional fellows and other accomplishments	Technologies/ processes / Implement released/ Patent developed
			and research	Officer, evaluation and subject specialist for Jal Yukta Shivar Abhiyan, 2015-19.		
M.S. Pendke	Professor	Ph. D. (SWCE) M. E. (SWE)	22/12/1992 Experience of 30 yrs in teaching, and research	56 research papers and 105 abstracts	8 Awards including best paper, best trainee and social awards	16 research recommendation
A. M. Kamble	Associate Professor	M. Tech., Ph.D. (SWCE)	9/1/2004 Experience of 19 yrs in teaching, and research	10 research papers and 5 abstracts	NSS Best Programme Officer Award	One research recommendation
Department of Basic Sciences and Computer Technology						
V. M. Bhosle	Associate Professor	M. Sc., B. Ed.	03/05/2001 Experience of 22 years in teaching and research	7 research papers, 3 abstracts and one book	Recipient of Gold Medal and Cash Prize, PG Programme, Dr BAMU, Aurangabad.	One research recommendation on solar power sprayer
R. V. Shinde	Associate Professor	M. Sc., B. Ed.Ph.D.	27/09/2007 16 years experience in teaching and research	15 research papers and 5 abstracts	Recipient of Best NSS Programme Officer	One research recommendation on solar power sprayer
Department of Renewable Energy Engineering						

Name of Faculty	Post	Highest Qualification	Credentials			
			Date of Joining and Work Experience	No. of research papers and Abstract/work experience	Awards, professional fellows and other accomplishments	Technologies/ processes / Implement released/ Patent developed
R. T. Ramteke	Professor	Ph. D. (RES) M.E.(Ag) (RES)	04/09/1991 32 yrs work experience in teaching, research and Extension	54 research articles and 35 abstracts	Best Oral Paper presentation Award	Ten research recommendations on Renewable Energy gadgets and farm Machinery

Department of Farm Structures						
S. D. Vikhe	Associate Professor	Ph D. (Civil Engg.) M. E. (Civil Engg.)	06/02/2007 29 years work experience in teaching and research & industrial	30 research papers and 10 abstracts	Nominated as Senate member of SRTMU, Nanded by Governor of Maharashtra	Four research recommendations,
Department of Processing and Food Engineering						
S. U. Khodke	Professor	Ph. D. (Food	24/02/1988 37 years work	Implemented externally funded **four** research projects on	Best Teacher Award, 2012, S. J. Hiran Memorial Award, 2010-11,	Thirteen research recommendation

		Engg), IIT, Kgp M. Tech. (APE)	experience of teaching and research	processing of oilseed and pulses, value addition of soybean and standardization of banana ripening 40 research papers and 28 abstracts	ISAE, New Delhi. Laxmikant Kokil Sinchan Lekh Puraskar, 2017, First Lady Agricultural Engineer in Maharashtra State Distinguished Service Certificate ISAE One patent on Instant potato and process for manufacturing the same, (2008), Patent No. 192928	including 4 on processing machineries and 8 on process technologies.
P. G. More	Assistant Professor	M. Tech. (APE), Ph. D. (PFE),	02/01/2010 20 years experience of teaching and research	31 research papers, 14 abstracts	Best Participants award in Winter School Best Participants award in Summer School	Nine recommendations on packing of banana and garlic, value addition of soybean products, fresh sweet corn sheller and RTE carrot slices.
S. R. Garud	Assistant Professor	Ph.D. (CSIR-CFTRI, Mysore)	14/09/2016 Six yrs work experience of teaching, research and extension	Research papers 7 National, 3 International Book Chapters 1 Published , 2 under publication Abstracts 15 in National and International conferences Popular articles 3 in news paper TV Talk 1 with BBC, Marathi	--	--
R.V. Jayebhaye	Professor	Ph. D. (Food Engg), IIT, Kgp, M.	29/04/1999 30 years experience of teaching and research	24 research papers, 12 abstracts National Book Chapters 1, Intern Conf. 05, Popular art -03	Best Oral paper award Best Poster presentation Outstanding work in runoff water harvesting through networking of farm ponds at COA, Latur	--

		Tech.(APE)				
S. B. Jadhav	Associate Professor	M.Tech., Ph.D. (APE)	29/12/2003 15years of teaching and research	12 research papers, 8 abstracts	--	--
B.P. Sawant	Associate Professor	M.Tech. (PFE) IIT Kgp PE)	06/11/1991 32 years experience of teaching and research	20 research papers, 20 abstracts	--	--
A. R. Mantri	Associate Professor	M.Tech. (APE)	11/02/1992 30 years of teaching and extension experience	6 research papers and 3 abstracts	-	-
Department of Farm Machinery and Power Engineering						
S. N. Solanki	Professor	Ph D (FMPE) M. Tech. (FPM)	14/10/1993 30 yrs work experience of teaching, research and extension	50 research papers and 63 abstracts	16 Awards related to best research and extension work in Farm Mechanization	Research 40 farm implements and machineries and 2 research recommendations.
P. A. Munde	Professor	M. Tech. (FMP) Ph.D.	24/03/1994 29 yrs work experience of	20 research papers and 15 abstracts	* Radhakishan Malhotra Award, 2009 ASPEE National level award, ISAE, 2008	30 research recommendations on farm

		(FMPE)	teaching and research			machineries and implements
D. V. Patil	Assistant Professor	M. Tech., (FMP), NET	30/12/2016 9 yrs work experience of teaching, research and extension	Seven research papers and 3 abstracts	-	3 research recommendations on machines and tools
Dr. G. U. Shinde	Associate Professor	Ph. D. (Mech. Engg.) M. Tech. (Mech. Engg.) M. B. A.	01/02/2006 27 years work experience of teaching and research	31 research papers and 18 abstracts	Best research Reviewer, ICMAME, HongKong Excellence in Applied Research in Farm Machinery, De'commune Foundations, India. 5 Book Chapters	5 research recommendations on Agril. Machines and tools.
Dr.D. D. Tekale	Professor	M. Tech. (FMP) , Ph.D.	02/05/2001 22 years work experience in teaching and research	25 research papers and 30 abstracts	--	20 research recommendations on Agril. machines and tools

Visit of Faculty Member to Abroad

Dr. Smita Khodke, Head, Department of Agricultural Process Engineering participated as a esteemed panel member in discussions during the workshop on Regional Soy Food Workshop in Kathmandu, Nepal during 22-23 Nov 2022, organized by United States Soybean Export Council (USSEC).

Dr. G. U. Shinde, Asstt. Prof. Mech. Engg., visited following foreign countries for research presentations and mutual research exchange of student, staff and faculty with International Universities.

Valencia-Spain

Completed MoU agreements with University of Valencia, Spain and completed monitoring visits for interdisciplinary research exchanges. Attended organized by training program during 18-29April 2018 by International Exchange Office of Universidad de polytechnic Valencia. Attended interactive sessions between students and faculties of University of Valencia Spain on 26th April 2018 and with Head of International Relations of Universitat Politecnica De Valencia on 29th April 2018.

Madrid-Spain

Completed MoU with University of Madrid, Spain for Mutual Research Exchange and Mobility of Faculty and Students in the field of Agriculture and Food at School of Agricultural and Food Engineering Universitat Politecnica De Madrid on 24th April 2018.

Lisbon-Portugal NOVA Campus

Completed MoU with University of NOVA, Lisbon for Mutual Research Exchange of Faculty and students in the field of design and development of Agricultural and food research technologies by School of Agricultural and Food Engineering, Universidade NOVA De, Lisbon on 20h April 2018

Antalya-TURKEY

A Mevlana Exchange Programme every year organized by International Relations Office of Akdeniz University, in the field of Agricultural Engineering for students and faculty.

6.5.2.4 Technical and Supporting Staff

The following posts of technical and supporting staff for field experimentation/ laboratory work / workshop/farm work are in place at the college (Table 21).

Table 20: Technical and supporting staff of college

S. No.	Name of Post	Sanctioned post	Filled post	Vacant post	Faculty recommended by the ICAR regulatory body
Associate Dean and Principal office and Central staff facility					
1	Asstt. Section Officer	01	-	01	01
2	Stenographer	01	-	01	02
3	Sr. Clerk	01	01	-	-
4	Jr. Clerk	05	03	02	06
5	Driver/Computer operator/technician	02	01	01	03
6	Mazdoor	05	03	02	-
7	Agril. Assistant	02	01	01	-
8	Peon	05	01	04	02
9	Sweeper	05	02	03	
10	Watchman	01	-	01	-
11	Electrician	01	01	-	-
Department of Irrigation and Drainage Engineering					
1	PA/Steno	-	-	-	01
2	Clerk	-	-	-	01
3	Lab Assistant	01	00	01	02
4	Peon	-	-	-	01
Department of Soil and Water Conservation Engineering					
1	PA/Steno	-	-	-	01
2	Clerk	-	-	-	01
3	Lab Assistant	01	00	01	02
4	Peon	-	-	-	01
Department of Basic Science and Computer Technology					
1	PA/Steno	-	-	-	01
2	Clerk	-	-	-	01
3	Lab Assistant	01	00	01	02
4	Lab Attendant	-	-	-	-
5	Peon	-	-	-	01
Department of Renewable Energy Engineering					
1	PA/Steno	-	-	-	01
2	Clerk	-	-	-	01
3	Lab Assistant	-	-	-	02
4	Lab Attendant	-	-	-	-
5	Peon	-	-	-	01
Department of Farm Structures					
1	PA/Steno	-	-	-	01
2	Clerk	-	-	-	01
3	Lab Assistant	-	-	-	02
4	Lab Attendant	01	00	01	-
5	Peon	-	-	-	015

Department of Agricultural Process Engineering					
1	PA/Steno	-	-	-	01
2	Clerk	-	-	-	01
3	Lab Assistant	01	01	-	02
4	Lab Attendant	-	-	-	-
5	Peon	-	-	-	01
Department of Farm Machinery and Power Engineering					
1	Senior Research Assistant	01	01	-	-
2	Lab Assistant	-	-	-	02
3	Lab Attendant	02	02	-	-
4	Sr. Mechanic	01	01	-	-
5	Driver	01	-	01	01
6	Peon	-	-	-	01
7	PA/Steno	-	-	-	01
8	Clerk	-	-	-	01

Total 39 posts of technical and supporting staff were sanctioned for the college. Out of sanctioned technical and supporting staff, 22 posts are in place and 17 posts are vacant. In addition to sanctioned posts, nine posts of technical and supporting staff are provided by the University to the college. These technical and supporting personnel are involved in conducting practicals, research projects and field experiments field observations, planning and arrangement of exposure visits, demonstration plots and land preparation on instructional farm, while lab attendants are involved in preparation of machines/equipments/instruments/material for regular laboratory practicals, minor repair and maintenance of machines/equipments/instruments. During 2018-19 to 2022-23 on an average 37 contractual skilled and unskilled labours monthly basis were appointed as per the requirement of the college.

6.5.3 Learning Resources

The course teachers use audio visual aids and smart classrooms during conduct of theory lectures while practicals are arranged in respective laboratories, workshops, ELP unit, field laboratories (instructional farm/research farms), computer lab. drawing hall and field visits are arranged, as per the need of course practical.

UG Student delivering seminar under course Seminar (GAE-471) using audio visual aids.

6.5.3.1 College Library (Digital)

The academic staff and students, use and avail the facility available at well equipped Central University Library. The Central Library is well developed and equipped with internet and Wi-Fi facility, Books, national and international research journals and periodicals, magazines, etc. related to course curriculum of UG, PG and Ph.D. programme are available in sufficient numbers in the central library. The University library also has sufficient number of computers and access to internet for browsing various sites, downloading information and for using e-resources (*CERA*).

The college also has separate library comprising of 105 m^2 library hall and 25m^2 attached room with area tables, chairs and seating capacity of 25 students 733 books, 4 daily news papers and internet facility. Daily newspapers are available in library as well as boys and girls hostel (Agrowon, Lokmat, Sakal and Times of India). Library incharge and library assistant are also in-place to look after the day to day management of library. The library opening hours are between 9.00 am to 5.30 pm. The subject wise number of books available in the college library is listed in Table 22.

Table 21: Subject wise books available in college library

S. No.	Subject	No of books
1	Basic Science and Computer Technology	79
2	Farm Machinery and Power	81
3	Soil and Water Conservation Engineering	56
4	Irrigation and Drainage Engineering	76
5	Farm Structures	70
6	Agricultural Process Engineering	82
7	General Agril. Sciences	41
8	Competitive Exam Books and Others	248
	Total	**733**

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College Library

6.5.3.2 Laboratories, Instructional Farm, Workshop, Dairy Plant Veterinary Clinic, Hatchery, Ponds etc.

Details of laboratories under various departments of the college is presented in Table 23.

Table 22: Department wise details of laboratories of the college

1. Department of Irrigation and Drainage Engineering

Sr. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Students)
1	Irrigation Engineering Lab.	14.10	11.30	159	40
2	Fluid mechanics and Micro Irrigation Lab.	11.30	21.00	237	40
3	Micro Irrigation Field Lab.	100	100	10000	40
4	Geoinformatics Computer Lab.	3.00	4.00	12.00	10
5	Lysimeter-AWS Field Lab.	140	100	14000	40

2. Department of Soil and Water Conservation Engineering

Sr. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Students)
1	Soil Mechanics Lab.	10.60	11.15	118	40
2	Surveying and hydrology Lab.	14.05	11.05	158	40
3	Soil and Water Conservation Engineering field Lab.	100	100	10000	40
4	Remote Sensing & GIS Laboratory	6.0	5.0	30	05

3. Department of Agricultural Process Engineering

Sr. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Students)
1	Crop Processing Engg.	11.28	14.32	162	40
2	Food Engineering	8.7	7.4	64	10
3	Quality control (ELP)	12.20	10.80	132	40

4. Department of Farm Machinery and Power Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Students)
1	Workshop	10.60	21.80	231	40
2	Farm Power	11.15	21.40	239	40
3	Engineering Drawing Hall	11.15	18.80	198	40
4	Implement Shed	16.50	29.60	488	40
5	Exhibition Hall	10.60	22.00	233	40
6	CAD - CAM	06.00	15.00	90	40
7	Drawing Hall	11.15	17.80	198	40

5. Department of Basic Science and Computer Technology

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Students)
1	Computer Lab	10.50	11.15	117	40
2	Physics Lab	10.50	11.70	123	40
3	Language Lab	3.00	5.00	15	40

6. Department of Renewable Energy Engineering

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Students)
1	Electrical/Chemical engineering Lab.	10.60	10.70	113	40
2	Renewable Energy	10.60	10.50	111	40
3	Energy Park (Field Lab.)	60.00	75.00	4500	40

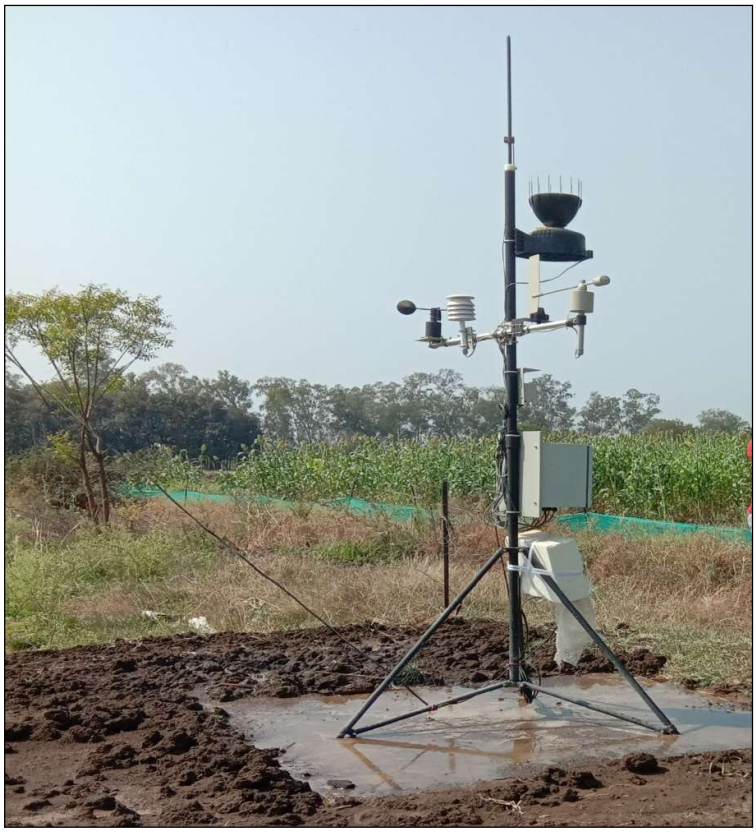
7. Department of Farm Structures

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Students)
1	Farm Structures Lab.	10.50	22.00	231	40

Lysimeter and Automatic Weather Station (AWS) Field Laboratory

The project on determination of crop coefficient of different crops using lysimetric studies is operational at the experimental farm of Department of Irrigation and Drainage Engineering, . A lysimeter is a measuring device which can be used to measure actual amount of evapotranspiration of plants by recording the amount of precipitation that an area receives and the amount of water lost through the soil and evapotranspiration. Three lysimeters are installed at this experimental field. . Data logger is provided to display the output of crop water requirement and quantity of removal of drain water. Similarly Automatic Weather Station (AWS) is installed at the experimental farm to provide daily data of climatic parameters such as maximum & minimum temperature, relative humidity, rainfall, wind speed, wind direction, solar radiation and barometric pressure etc.

Lysimeter field laboratory



Automatic Weather Station Field Laboratory

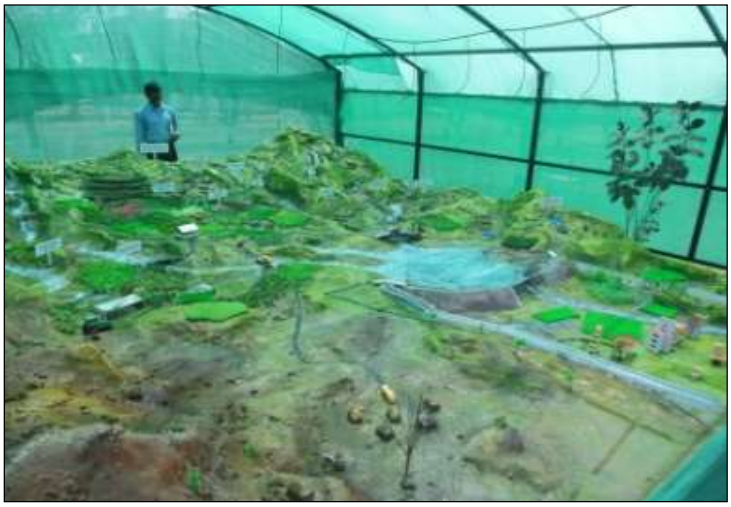
Micro Irrigation Field Laboratory

College has developed micro irrigation field laboratory on 0.5 ha area. The laboratory has different micro irrigation system filters viz. sand filter, screen filter, disc filter and hydro-cyclone filter and also equipped with ventury for introduction of liquid fertilizers, fertilizer tank and dozer pump. The laboratory has time-based drip automation unit which is very useful for conducting practicals on irrigation systems.

Soil & Water Conservation Laboratory

Soil and water conservation laboratories are equipped with instruments for different types of land survey and levelling, theodolite, total survey station, types of rainfall and runoff measuring instruments/equipments, stage level recorders, 'H' and Parshall flumes and instruments/equipments for measurement of physical properties of soil for conducting the practicals.

In field laboratory 12-compartment runoff plots and farm pond on instructional farm and live watershed model at the college are installed for conducting practicals and demonstration.



Watershed Model

Basic Science and Computer Laboratory

Basic Science and Computer laboratory is equipped with one server, 24 thin clients and 8 desktop PCs, 10 kVA online UPS and software facilities like ARIS/LAN, A to Z Watershed software MATLAB and Simulink, etc.

In addition college has separate physics lab with all required instruments for conduct of practicals of UG, PG and Ph.D. degree programme.

Agricultural Process Engineering Laboratory

Agricultural Process Engineering laboratories are equipped with advanced equipments/instruments like Texture Analyser, Hunter Colori Meter, Water Activity Meter, Extruder, etc. for conducting practicals of all degree programmes.

Agricultural Process Engineering Laboratory

Renewable Energy Park

Renewable Energy Park is spread on 0.5 ha area and is provided with on-field installation of solar water pumping set (capacity 1 hp), solar wind hybrid system (800 W capacity), KVIC and *Din Bandhu* bio-gas plants, tunnel dryer, rock bed dryer, distillation unit, etc and flat plate solar water heater, bio-mass gasifier, solar street lights for conducting practicals and research projects of UG, PG and Ph.D. programme.

Renewable Energy Park

Mechanical Workshop

Mechanical workshop having an area of 286.72 m^2 is developed for conducting regular practicals of the course workshop practice, workshop technology and undertaking jobs of UG students and research projects of PG and Ph.D. students.

The workshop houses four black smithy furnaces, one general lathe machine, shaping machine, pillar drill machine, carpentry lathe, power hack saw, hand cutter, welding and blacksmithy shops and set of different tools required for carpentry fittings. The newly constructed workshop houses CNC lathe, turret lathe, milling machines, shaping machines, hydraulic press, spot welding machine and UTM.

Farm Power Laboratory

This laboratory houses different models, cut sections of engine parts and engine systems, working complete tractor cut model, test rig for engines and one dismantled tractor for teaching, conducting practicals through demonstrations of tractor and its systems.

Demonstration of tractor cut model to

Dr. V. D. Patil, former Director of Instructions & Dean

Farm Machinery Laboratory

The laboratory houses different tractor operated, self propelled, bullock drawn and human drawn/operated implements. It also includes implements for tillage sowing, planting, inter culturing, harvesting and threshing, tractor operated back hoe and leveller, precision laser leveller and aero blast sprayer.

CAD-CAM Laboratory is developed with licensed software having capacity of 25 students and advanced facility of design softwares like ProE, Ansys.

Instructional Farm

College has instructional farm of 2.5 ha area and provided with bore well, submersible pumpset, pump house, sub-surface conveyance pipe network, mango plantations on 2 ha area, farm pond of 15 x 15 x 3 m size and 12-compartment run-off plots for conducting student's practicals and research trials of UG, PG and Ph.D. degree programmes.

Instructional Farm and Farm Pond

6.5.3.3 Student READY/ In Plant Training/ Internship/ Experiential Learning Programmes

The course curriculum of UG programme of the college includes in-plant training of four months duration during VIIth semester for students in order to acquire professional skills and to get first hand knowledge of the problems of agriculture and solutions required thereto, pertaining to different disciplines of Agricultural engineering. As part of in-plant training, students of VIIth semester are deputed to different ICAR institutes, National institutes, Government organizations , research centres of SAU'S, Co-operative organizations, Non Government organizations , Private Industries, etc. In the field of irrigation systems, soil and water conservation, meteorology, seed processing, dairy industry, grape production and export agencies, remote sensing and GIS applications, CAD/CAM, tractors and farm machineries, plant protection appliances, bio-fuel producing companies, green house industries and consulting agencies, renewable energy appliances, etc. Details of students of VIIth semester of UG and III semester of PG programme who are deputed for in-plant training during 2018-19 to 2022-23 are presented in Table 24 and Table 25, respectively.

Table 23: Details of VII semester students of UG programme deputed for in-plant training during 2018-19 to 2022-23

Sr. No.	Academic Year	Name of the Company/Organization	No. of Students
1	2018-19	Watershed and Social Development Association, Loni Kalbhor, Tal. Haveli Dist. Pune-412 201	01
		Jain Irrigation Systems Limited, P O Box-72, NH-6, Jalgaon-425 001	04
		Finolex Plasson Industries Private Limited, Plot No 399, USRE, Taluka Maval, Dist Pune-410 506	03
		R G Kasat Industries Private Limited, Bagalkot 587 102	02
		Varun Agro Food Processing Private Limited, Nashik 422 003	03
		CSIR-CFTRI, Mysore 570020	01
		Watershed Organisation Trust (WOTR)'Paryawaran' Behind Market Yard, Ahmednagar-414 001	02
		Krishi Vigyan Kendra, Kharpudi Dist. Jalna	08
		Watershed and Social Development Association, Parbhani.	03
		CIAE, Nabhi Bagh, Bhopal	04
		Aditi CAD CAM, Parbhani.	04

		Aditi CAD CAM Training Centre, Near Shivaji College, Vasmat Road, Parbhani.	02
		NAHEP, Deptt. Of UES & EE, College of Agril. Engg. & Tech., Dr PDKV, Akola.	07
		CAD EDGE Software Solutions, Kranti Chowk, Aurangabad	01
		Vishwakarma Auto-Cad Training Centre, Nanded	01
		Prabhavati Udyog, Parbhani.	02
		JD Info Tech, Aurangabad	01
		MASL, Sangli	01
Total			**50**
2	2019-20	People Side Consulting, Pvt. Ltd. Pune	03
		Maharashtra Tractor Training Institute Aurangabad	03
		Hi-Tech CAD CAM CAE Training Centre Pune	02
		Aditi CAD CAM Centre Parbhani	02
		CAD EDGE Software Solutions Aurangabad	02
		R. G. Kasat Industries Pvt. Ltd., Bagalkot 587 102.	02
		Varun Agro Food Processing Pvt. Ltd., Nashik 422003.	03
		CSIR-CFTRI, Mysore 570020.	01
		General Mills, Industrial Area Malegaon, Dist. Nashik	03
		MAHABEEJ, Parbhani. Maharashtra State Seed Corporation Ltd. Akola	02
		Annapurna Food Products, Aral Tq. Basmat, Dist. Hingoli	02
		Hi-Tech CAD CAM CAE Training Centre Pune	01
		NAHEP. Department of UES and EE, College of Ag. Engg. And Technology, PDKV Akola	08
		Regional Remote Sensing Centre, Nagpur	03
		Krishi Vigyan Kemdra, Kharpudi Dist. Jalna	05
		Akash Agri. Solutions Pvt. Ltd. Sillod Dist. Aurangabad	02
		JD InfoTech, Aurangabad	06
		Netafim Irrigation Pvt. Ltd. Pune	05
		JD InfoTech, Aurangabad	03
		Agrinext consultancy, Pune	06
		Watershed Organisation Trust (WOTR)'Paryawaran' Behind Market Yard, Ahmednagar-414 001	04
Total			**62**

3	2020-21	Bajrang Engg. and Fabrication Works, Ahmednagar	03
		Aditi CAD CAM Parbhani	07
		CAD EDGE Software Solutions, Aurangabad	04
		SHEFA Computers Islampur	01
		MSSC (Mahabeej), Parbhani	04
		Grain Span Nutrients Pvt. Ltd., Ahmedabad	02
		ITC Ltd. Food Division, MIDC Ranjangaon Pune	02
		NAHEP CAAST MPKV Rahuri	01
		Padmini Food Products, MIDC Udgir	03
		Navjivan Vocational Training Institute, Parbhani	01
		Sourkranti Pvt. Ltd. Pune	01
		Geo-Tech, Aurangabad	05
		WOTR, Ahmednagar	01
		Department of Agriculture, Govt. of Maharashtra Parbhani	06
		Hydroplast Irrigation System Ltd.	01
		Universal Agri. Tech. Pvt. Ltd. Deulgaon Raja, Dist. Buldana	02
		KVK Tondapur Hingoli	01
		Sneha Agrotech, Jawala Bazar Hingoli	01
		Agrinext Consultancy, Pune	07
		Erosia Micro Irrigation Pvt. Ltd. Pune	03
		Geo-Tech, Aurangabad	03
		Total	**59**
4	2021-22	Department of Agriculture, Govt of Maharashtra	05
		Hydroplast Irrigation Systems, Ltd.	05
		NAHEP-DFSRDA, VNMKV, Parbhani	04
		Varun Agro Food Processing Pvt. Ltd., Nashik	05
		CSIR, CFTRI, Mysore	02
		Grain Span Nutrients Pvt. Ltd.Ahmedabad (Gujrat)	02
		Geo-Tech Institute, Aurangabad	12
		Mahindra and Mahindra Ltd. Nagpur,	03
		Escorts Training and Development Centre, Bangluru	06
		NAHEP-CAAST,VNMKV, Parbhani	09
		Northern Region Farm Machinery Training and Testing Institute, Hisar (Haryana)	04
		Division of Land Use Planning, ICAR-NBSS & LUP, Nagpur	04
		Watershed Organisation Trust (WOTR), Ahmednagar.	07
		Erosia Microirrigation, Pvt Limited	05
Total			**73**

5	2022-23	Agrinext Consultancy, Pune	16
		Rivulis Irrigation, Pune	04
		Indian Instittute of Soil and Water Conservation (ICAR) Vasad, Gujrat	08
		Watershed Organisation Trust (WOTR), Ahmednagar.	02
		Division of Land Use Planning, ICAR-NBSS & LUP, Nagpur	05
		CCRD, Murtizapur, Akola	04
		Gokul Milk Processing Unit, Kolhapur	05
		Grain Span Nutrients Pvt. Ltd., Ahmedabad (Gujrat)	04
		KK Herbal Industries, Nanded	02
		Sonalika Industries, Pune	06
		Aditi CAD/CAM Centre, Parbhani	08
		New Balaji Enterprizes, Aurangabad	03
		Total	**67**

Table 24: Details of PG programme students deputed for in-plant training during 2018-19 to 2022-23

Sr. No.	Academic Year	Name of the Company /Organization	No. of Students
1	2018-19	Netafim Irrigation Private Ltd., Pune.	02
		Total	**02**
2	2019-20	Indian Institute of Remote Sensing (ISRO), Dehradun	03
		Total	**03**
3	2020-21	NAHEP, Jabalpur	02
		NAHEP- CAAST, Rahuri	01
		Total	**03**
4	2021-22	Netafim Irrigation Private Ltd., Indore (MP)	02
		Indian Instittute of Soil and Water Conservation (ICAR) Vasad, Gujrat	02
		Total	**04**
5	2022-23	Not yet deputed--	--
		Total	**12**

ELP Details and Profit Sharing

A Model Demonstration Unit for Processing of Pulses and Oilseeds under ELP was started in the year 2012-13 in the Department of Agricultural Process Engineering of College with one-time grants of 92 lakhs. In this unit, institutional and entrepreneurship-oriented soymilk and soypaneer pilot plant, bakery, extruded products and pulse milling pilot plant for production of pulses-based product are established. The demonstration of process technology

of pulses and oil seed-based products were conducted and organized entrepreneurship programme for the upcoming entrepreneurs and students are organized.

In the seventh semester, students are exposed to In-Plant training in industries and research organization instead of Experiential Learning Programme. The practical classes of Cafeteria courses (UG) and practical classes of PG and PhD courses are conducted in this unit. Number of demonstrations and training programmes for KVK scientists, new entrepreneurs, farmers, self help groups (SHG) and students are organized at ELP unit of Agricultural Process Engineering on "Processing of pulses and oilseeds."

Profit Sharing

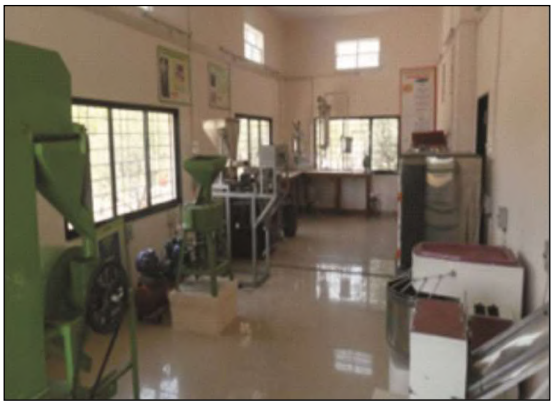
Though the ELP unit is not functioning on profit sharing basis, it is found very beneficial in transfer of technology on pulses and oilseeds processing and their value addition thereby setting foundation to graduates and self-help groups for the start up of entrepreneurship in rural areas.

Experiential Learning Programme

Experiential Learning Programme on 'Processing of Pulses and Oil seeds' unit is established for the actual demonstration and trainings of students of UG, PG and PhD programme during 2012-13 with one-time grants of 92 lakhs.. Under this, institutional and entrepreneurship-oriented soya milk and soya paneer pilot plant, bakery unit, extruder and pulse milling pilot plant for production of pulse-based products are established. ELP unit is used for conducting demonstrations; practical's and research projects for UG, PG & Ph.D. students. In UG curriculum under **Student READY (Rural and Entrepreneurship Awareness Development Yojana),** students have registered the Course No. GAE-475-1, Credits (0+ 10). The practical classes of Elective courses (UG) and practical classes of PG and PhD courses are conducted in this unit. Experiential Learning provided the students an excellent opportunity to develop analytical and entrepreneurial skills in various processing technologies of cereals, pulses and oilseeds. Students and entrepreneurs got the knowledge through meaningful hands-on experience, confidence in their ability to establish cottage level processing industries.

Number of demonstrations and training programmes for KVK scientists, new entrepreneurs, farmers, self help groups (SHG) and students were organized in this ELP unit Process technologies are developed for soya milk, soya paneer, okra-based bakery products, dehydrated chunks, extruded products and soya nuts, pearl millets kharodi, oil extraction from turmeric leaves and soychikki. Electrically operated roaster cum puffer and LPG operated Puffing cum popping machine were designed and fabricated for the production of

puffed/ popped products from sorghum, pearl millets, maize, groundnut, soyabeam and Bengal gram.



Visit of Dr. Anwar Alam, Ex DDG, ICAR, New Delhi and Dr. V. M. Mayande, Ex VC, Dr. PDKV, Akola to ELP unit

Impact

i) Product Developed – Soymilk and soypaneer packaging technology, okara based biscuits & extruded products, dehydrated chunks and puffed soynuts, groundnuts, and *phutane*, popped products like pop corn and sorghum pops, and soychikki.

ii) Machineries developed: Electrically operated Roaster cum puffer, Multigrain puffing cum popping machine.

iii) Entrepreneurs started their cottage level industry of Soyaproducts.

iv) Student trained (year wise)/total - 30 students/ year.

v) Alternate use of facilities created - Used for conducting demonstration, practicals and research projects for UG, PG & Ph.D. students. Also used for organizing training for self help group (SHG), farmers and entrepreneurs.

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

College has four classrooms, each of about 130 m^2 area with dual desks having seating capacity of 75 each. Two classrooms are developed into model and smart classrooms equipped with all sorts of audio visual aids and facilities (LCD projector, *KYAN* system, inters active boards).

6.5.4 Student Development

Overall student development is achieved by integration of educational programme and organization of series of lectures of eminent personalities from various fields, exposure visits and student's activities under NSS and co-curricular programmes.

Co-curricular activities such as sports, cultural activities, litreary events, and celebration of special days are regularly organized at college. Students are also encouraged and facilitated to participate in inter-collegiate sports and cultural events organized by university and other organizations.

College organizes Ganesh festival, Mahatma Gandhi birth anniversary, Birth Anniversary of Chhatrapati Shivaji Maharaj and birth anniversary of Bharat Ratna Dr. B R. Ambedkars, Yoga day**,** Reader's Inspiration day, Youth day, Women's day, etc. During these students are encouraged to actively participate and deliver speeches, to perform the acts, cultural programmes, etc.

Students of the college participating cultural activity (Ganesh festival)

Regular physical health check-up camps and blood donation camps are arranged through Physician and Incharge, University Health Centre, Parbhani. Physician gives an advice to the individual students regarding general physical health, diet habits, life style, yoga and exercise, during the camp.

Health check-up camp organized for students at University health centre

Educational tour cum exposure visits

Students' educational tour cum exposure visit to watershed development projects, research institutes, public and private sectors related to irrigation systems, seed processing, tractor and farm implements, dairy, renewable energy systems and allied Agricultural industries, SAUs and ICAR institutes, etc. are arranged for their personal and professional development.

Visit of students to Jain Irrigation System Ltd., Jalgaon

Visit to Shaktiman and Tirth agro Tech. Pvt. Ltd.

Industrial exposure to students about farm implements and machinery

Visit to ICAR-NRSC, Pune

Visit to Model Watershed Village Hivare Bazar.

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Studnets visit to Sona Polyplast Kopargaon

Visit of students to UAS Banglore and CSIR-CFTRI Mysore

6.5.4.1 Student intake and attrition in the UG, PG, Ph.D Programme for last five years

Yearwise student intake and attrition of UG, PG and Ph.D. Programme for the period 2018-19 to 2022-23 is presented in Table 26.

Table 25: Students Intake and Attrition of B. Tech. programme

Batch	B. Tech. Agril. Engg.							
	Students admitted				Attrition (%)			
	M (No).	%	F (No).	%	M (No).	%	F (No).	%
2018-2019	46	75.4	15	24.6	02	4.34	01	6.66
2019-2020	52	76.47	16	23.52	02	3.84	00	0.0
2020-2021	44	62.5	20	31.25	00	0.0	00	0.0
2021-2022	45	78.94	12	21.05	01	2.22	00	0.0
2022-2023	21	53.84	18	46.15	00	0.0	02	11.11

M- Male student, F- Female student

6.5.4.2 Average Number of Students in Theory and Practical Classes

The average number of students of UG, PG and Ph.D. programme, allocated for theory and practical classes are presented in Table 27.

Table 26: Average number of students of UG, PG and Ph. D. programme allocated per batch for theory and practical classes

S. No.	Name of the degree programme	No. of students in theory class per batch		No. of students in practical class per batch	
		2017-18 to 2021-22	2022-23	2017-18 to 2021-22	2022-23
1	B. Tech. (Agril. Engg.)	64	80	16	20
2	M. Tech.	16	16	16	16
3	Ph. D.	07	07	07	07

6.5.4.3 Admission Process

1. Mechanism of admission for UG, PG and Ph.D. programmes.
2. Fees payment mechanism.
3. Registration procedure.
4. Academic schedule

Mechanism of Admission

The admission process for UG, PG & Ph.D. programme of the college is implemented online. The admission of UG in all four SAU's are centrally conducted by CET cell, Maharashtra and supervised by MCAER, Pune whereas the admissions of PG and Ph.D. Programme in all SAU's are centrally conducted and supervised by MCAER, Pune.

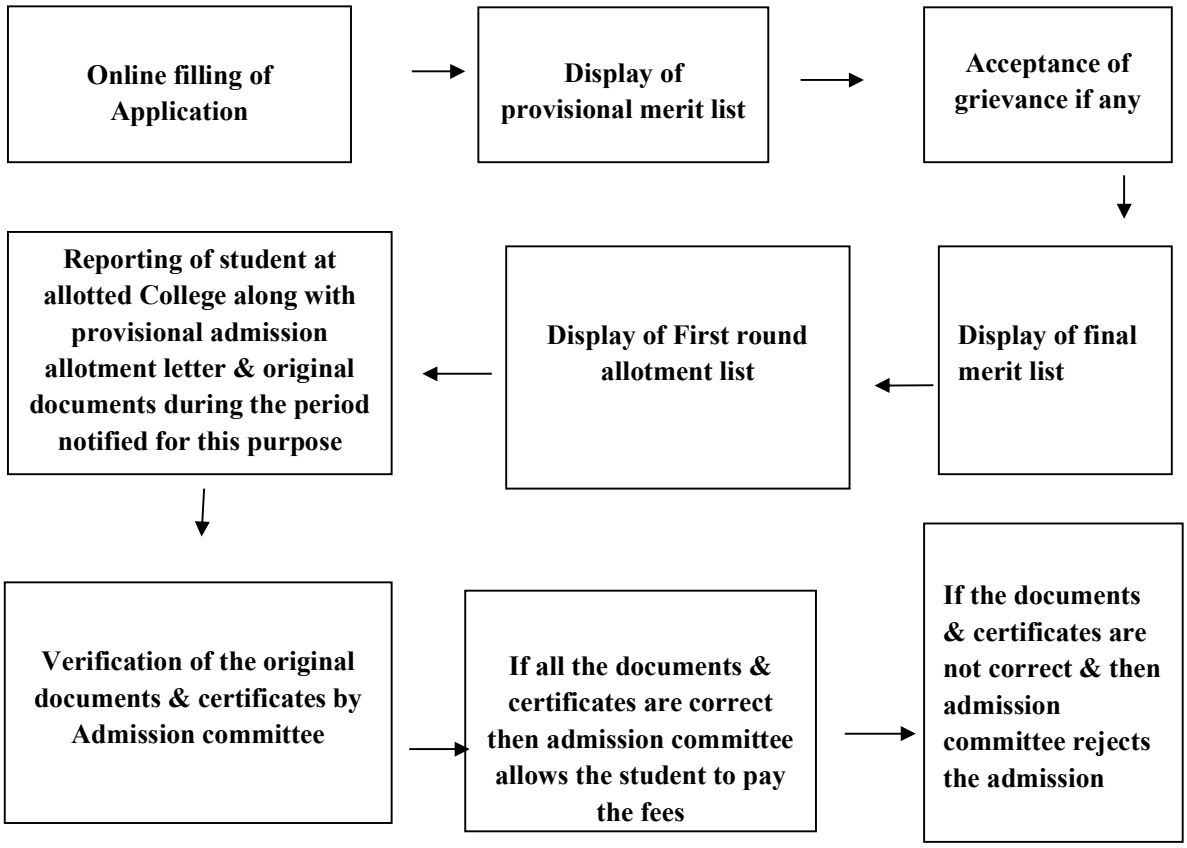
Undergraduate Programme

After declaration of XII Std. (Science) result MCAER, Pune publishes the notification for online admission for various degree programme in all four SAU's in Maharashtra through news papers and website of MCAER and CET cell Maharashtra. For B. Tech. (Agril. Engg.), qualifying examination for admission is as follows:

1. XII Std. (Science) passed in 10+2 pattern from Maharashtra State Board of Higher Secondary Education or an equivalent Examination, with PCM or PCMB and English.
2. Those who have not offered Biology shall have to complete deficiency courses as prescribed by respective University except for the admission for UG degree programme of Agril. Engineering.
3. Common Entrance Examination MHT-CET/JEE organized by Competent Authority during academic year in PCM subject.

PG and Ph. D. Programme

Common Entrance Test is being conducted for admission in PG and Ph. D. degree programmes admission by MCAER, Pune and subsequently followed by CAP (**C**entral **A**dmission **P**rocess) admission rounds.



Flow chart for Admission Process

2) Fees payment mechanism

The fees structure for each degree programme is followed as per the MCAER guidelines and fees payment is accepted in online payment mode.

3) Registration procedure for Degree Programme

a) Payment of University/ College/ Hostel fees and other fees.

b) Enrollment of a student in various courses in consultation with the respective counsellor and depositing the roster form duly filled in and signed by the student, counsellor and concern course teacher.

c) A student seeking admission to semester other than the first shall be permitted by the Associate Dean & Principal on payment of late fees of Rs. 100 per day up to a period of five

working days notified for registration. No student shall be permitted on the expiry of this period.

d) After receipt of the enrollment from students, the Associate Dean & Principal of the college shall prepare the list of students and allot the enrollment number to each student and submit enrollment list to the Registrar office.

e) A student shall be allowed to register for the courses of 5^{th}, 6^{th}, 7^{th} and 8^{th} semester if he has completed all the courses of 2^{nd}, 3^{rd}, 4^{th} and 5^{th} semester, respectively.

4) Academic schedule publication (Academic Calender) :

Academic schedule for registration, Mid-term, Semester end theory and practical examination of UG, PG and Ph. D. programme is prepared well in advance as per the approved academic schedule of MCAER, Pune.

6.5.4.4 Conduct of practicals and Hands on Training

As per the course curriculum of degree programmes, the practicals and hands-on training per course curriculum of the UG, PG and Ph.D. degree programmes are conducted in the respective departments, laboratories, field laboratories, on instructional farm or on the University research farms (Dry land Centre, Water management Centre, Dairy Farm, Agricultural Meteorology, Demonstration Farm, Tissue Culture, Cattle Cross Breeding Project, Central Nursery, Central Farm) and also outside campus in industries and enterprises.

Conduct of practicals and demonstration on the farm

UG students performing hands on training

The practicals are conducted as per the lesson plan approved in the common syllabus meeting using the required instruments/equipments/ processes/methods and facilities. The methodology/ procedure/techniques are first demonstrated to the students and then the students are asked to do the laboratory experiments individually and to record the observations. The outcome of the experimental result is noted by the students in the practical manual/observation sheet/survey book, analysed and inferences are drawn. After verification of the practical book/drawing sheet/maps/drawings by the concerned course teacher he certifies the work. For practicals of courses on computer applications, individual student get separate PC for performing small projects..

Hands on training is conducted in the field or in the field laboratories where students perform individually or in group, record observations, design or analyze and prepare report, drawings or maps and supplement to the practical manual and certified. Details regarding hands-on training of UG, PG and Ph.D. programmes is furnished in Table 28 and Table 29.

6.5.4.5 Examination and Evaluation Process

Separate examination branch is in-place for UG programme of the college whereas PG education branch for PG and Ph D programmes for conducting mid-semester and semester end theory examinations. The examination branch has a separate examination hall of 275 m^2 area and office, equipped with dual desk single student seating arrangement for about 150

students, CCTV camera network and 10 kvA UPS. For efficient monitoring and control of examinations, Senior Supervisor and Nominee of Associate Dean are appointed for semester end theory examinations.

Semester End Theory Examination (SETE), for 80% marks of the courses is conducted commonly by MAUEB, Pune and evaluation of answer sheets is done at university level under Central Evaluation Process.

Semester end practical examinations of UG, PG and P. D. programmes are conducted in the respective laboratories of the college. For monitoring and evaluations of practical examinations, course-wise external examiners from other colleges are nominated by the University.

Semester end practical examination is conducted as per the schedule, declared by MAUEB, Pune. Under course credits system, for one credit of practicals, 50 marks are allotted and the student is examined for 40 marks during practical examination, while 10 marks are given as internal evaluation on the basis of student's performance during practicals and preparation of assignments and practical record. Practical examination is conducted by external examiner and results are submitted to the Registrar office for compilation and declaration. The online access is provided to examiners for filling of marks through software.

The evaluation of students registered for course is done through examinations. Course credit system is followed for the UG programme. For one credit course, 50 marks are allotted. For theory credit mid-term examination is of 20 % marks and semester end examination is of 80 % marks. The mid- term examinations are arranged and evaluated at college level by the respective course teacher and monitored by Associate Dean while semester end theory examination question paper is set at MAUEB, Pune.

UG students appearing for semester end theory examination of monsoon semester

Table 27: Examinations and evaluation of students

Examination	% of Marks
Internal	20
External	80
Frequency of student Evaluation (Per cent Weightage per credit)	
After 45 days from start of semester	20
At End of semester	80
Mode of Students Evaluation (Per cent weightage per credit)	
Mode of evaluation	% of Marks
Mid term examination	10
Assignment/term paper	5
Semester End Theory / practical examination	80
Practical Manual / GP	5

Result of college students

Result of graduating student of the UG, PG & Ph. D. programme of the college during 2018-19 to 2022-23 is presented in Table 31 & Table 32, respectively.

Table 28: Performance of UG students during 2018-19 to 2022-23

Year	No of students passed			First class with distinction			First Class			Others		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
2018-19	34	13	47	4	1	5	20	9	29	10	3	13
2019-20	43	7	50	1	0	1	22	5	57	20	2	22
2020-21	46	13	59	0	0	0	13	8	21	33	5	38
2021-22	47	15	62	7	5	12	21	7	28	19	3	22
2022-23	51	16	67	10	2	12	41	14	55	0	0	0
Total	**221**	**64**	**285**	**22**	**8**	**30**	**117**	**43**	**160**	**82**	**13**	**95**
Per cent	**77.54**	**22.46**	**-**	**7.72**	**2.81**	**10.53**	**41.05**	**15.09**	**56.14**	**28.77**	**4.56**	**33.33**

M- Male student, F- Female student

During the period from 2018-19 to 2022-23, a total of 285 students passed out the UG degree programme of the college. Out of which, 10.53 % students passed in **First class with Distinction**, 56.14 % students passed with **First division** and 33.33 % in pass grade.

6.5.4.6 NCC/NSS/RVC Units

The college has NSS unit with Programme Officer and approved capacity 50 student volunteers.

The various activities undertaken by NSS unit of the college are as:

- Regular Social Service under which NSS student volunteers have to complete 240 hrs of

many social activities for the social welfare and civic activities are undertaken during two years of tenure.

- The NSS unit having 100 NSS volunteers organizes and undertakes different regular activities like Adventure Camp, National Republic Parade, Heart fullness Camp, Disaster Management Camp, Plantation, Cleaning campaign, AIDS awareness camp, Blood donation, Flag march, all Jayantis, Youth Day, Women's day during 2018-19 to 2022-23.
- The NSS unit of the college also organizes special camps in rural areas around the campus. Locations, number of student volunteers and special activities undertaken in NSS special camps during 2018-19 to 2022-23 are presented in Table 31.

Table 29 : Details of NSS special camps organized during 2018-19 to 2022-23

Year	Date of Camp	Particulars of activity	No. of NSS volunteers	Place
2018-19	13.03.2018 to 19.03.2018	Jal Din, Kisan rally, health check-up, cleaning campaign, tree plantation, cultural programmes	50	Sayala Tq. and Dist. Parbhani.
2019-20	25.03.2019 to 31.03.2019	Jal Din, Kisan rally, health check-up, cleaning campaign, tree plantation, cultural programmes	40	Karegaon Tq. and Dist. Parbhani.
2020-21	03/03/2021 to 09.03.2021	Jal Din, Kisan rally, health check-up, cleaning campaign, tree plantation, cultural programmes	40	At respective lovcations of students in online mode due to corona
2021-22	02.03.2022 to 08.03.2022	Jal Din, Kisan rally, health check-up, cleaning campaign, tree plantation, cultural programmes	40	Sayala Tq. and Dist. Parbhani.
2022-23	28.12.2022 to 03.01.2023	Jal Din, Kisan rally, health check-up, cleaning campaign, tree plantation, cultural programmes	50	Sayala (Khating) Tq. and Dist. Parbhani.

Regular activities under NSS were conducted during 2018-19 to 2022-23 such as tree plantation, Swachhta Abhayan, AIDS awareness program, Blood donation program, Anti tobacco day, World environment day, partition Remembrance Day, etc.

Participation in State/National level NSS Camps

- NSS volunteers; Mr. Shailesh Londhe, participated in Republic Day Parade Selection Camp organized by *Shivaji University, Kolhapur* during September 28 to 30, 2022.
- Ms. Gayatri Wani, participated in Adventure Camp at Chikhaldara, Dist. Amravati during November 2-06, 2022 organized by NSS Cell, Dept. of Higher and Tech.

Education, Government of Maharashtra and Sant Gadge Baba Amravati University, Amravati.

- Mr. Adityaraj, Ms. Kshitija Maske participated in National level Disaster Management Camp "AVHAN" held at Kavyitri Bahinabai Chaudhary North Maharashtra University, Jalgaon, during December 19-28, 2022.
- Nine Volunteers Viz. Gayatri Wani, Aniket Chavan, Gajanan Chavan, Hasmi Shahejad, Dipak Late, Mayur Aarak, Tanmay Mukkirwar, Khan Imad Ahemad, Gopal Ingle were participated in Heart fullness Camp organized by ICAR, New Delhi at Kanha Shanti Vanam, Hyderabad.
- NCC Unit: A unit of NCC is at central campus of university, students of this college are participating in NCC and number of students who have passed B and C Certificates examination is presented in Table 34.

NSS Volunteers and institute Achievement (Awards/Recognition/Medals) during last 5 Years (2017-18 to 2022-23)

Year/ Period	Name awards/ Recognition/ Medals	Particulars	Beneficiary Particulars
2018-19	NSS Best Volunteer Award	By Ministry of Higher & Technical Education, Govt. of Maharashtra	Mr. Vishal D. Kalbande
2018-19	NSS Best Progrmme Officer Award	By Ministry of Higher & Technical Education, Govt. of Maharashtra	Prof. Sanjay N. Pawar

Plantation at Railway Station, Parbhani

Street Act in front of Main Gate of VNMKV

Cleaning drive at Railway Station, Parbhani

Celebration of Harmony Day

YOGA Day

Cleaningness Rally

Cleaningness Rally

NSS- Best Volunteer Award to Mr. Vishal Kalbande by auspicious hands of Mr Uday Samant, Minister Higher Education, MS

Remembrance of Partition Day at College

Mahatma Gandhi Jayanti and Swachhata Bharat Abhiyan

Plantation Programme

NSS Special Camp

NSS- Best Programme Offiucer Award to Er. S.N. Pawar by Mr. Uday Samant, Minister Higher Education, MS

6.5.4.7 Language Laboratory

A language laboratory is in-place in the Department of Basic Science and Computer Technology department which is used for language teaching in the college.

A language phonetic software and online freeware is made available to the students of all degree programmes to facilitate proper understanding of pronunciation of English language. It is required for personality development and to have a good command on the language for communication. This helps the students to face interview effectively. Language laboratory is useful to students of various states of the country to achieve perfection in language learning, speaking and writing.

6.5.4.8 Cultural Center

The college has A.C. auditorium cum cultural centre with built up area of 175.82 m^2 and seating capacity of 200 students. Cultural cell has music instruments like harmonium, tabla, dholaki, synthesizer, drums, guitar, sound amplifier, speaker, mikes, etc. College also has permanent open theatre of size 90 sq. m for organization of cultural programmes.

Students are encouraged to play instrumental and vocal music and to participate in cultural events organized on the eve of special day celebrations at college and in inter-

collegiate cultural events, organized by the University. The students also use the cultural cell for interaction, other social activities and celebrations.

Every year programmes like Genesh festival, Shivaji Maharaj Jayanti, Dr. Babasaheb Ambedkar Jayanti, Teachers day, Engineers day, Freshers welcome and orientation, farewell to the final year students etc. are conducted by cultural cell of the college.


Personality development programmes are regularly arranged for UG

6.5.4.9 Personality Development

Personality development programmes are regularly organized in College to enhance the confidence level among students, to create awareness and enthusiasm and to work hard for social and national causes among the students. Special lectures and counseling by the eminent personalities from management, general knowledge, personality development, etc. are arranged to improve the communication skills and to help in preparation of competitive examinations. Details of activities arranged for the students during 2018-19 to 2022-23 are given as:

- A motivational speech of Shri. Prakash Shinde, Squadron Leader on Opportunities for Agroneers in combined Defence Services was organized on 28th Sept. 2018.

- One day workshop on scope and opportunities for Agri. Engineers in tractor industry was organized at college for B.Tech (Agril. Engg.) Students. Er. Anand Parey, State Manager, TAFE Ltd., Chennai was the chief guest for the function.

- The ICAR sponsored two days training cum Workshop on Personality Development and Soft skills from 29th and 30th March 2019 will be organized for B.Tech (Agril. Engg.) Third year and M.Tech students. The on campus workshop will be conducted by Communi care training and content solutions, Pune.

- Two days training cum workshop programme on Personality Development and communication skills was organized during 29-30th March, 2022 for CAET, Parbhani

students under the grants of Human Resources Development Plan of ICAR-SC Sub Plan 2021-22.

- The programme on Engineer's Day was organized on 15/09/2021 with the theme "Opportunities for Agricultural Engineers in public and private sectors". Alumni of CAET, Parbhani working in different sectors were invited for delivering talks. The speakers Er. Dattaraya More, Er. Deepak Bhapkar, Er. Suyog Khose, Er. Sandeep Wayal and Er. Venkat Shinde have delivered lectures during this programme.

- Organized online counselling programme on "Personal interview preparation for placement in irrigation industry "on 04/08/2021 for final year B.Tech (Agril. Engg.) students.

- The off-campus interviews of VnF ideas Private Limited, Drip Tech Pvt. Ltd., Jain irrigation system Ltd., New Holland Pvt. Limited, Mitra Agro Equipments Pvt. Ltd, Mahindra irrigation system limited, Rivilus irrigation system limited, Dhanuka irrigation systems limited, Netafim irrigation system Limited etc. Companies were organized in the year 2021-22.

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- Active participation in Engineers Day Programme in last 05 years.

- Organized on and off campus interview for private and NGO companies Viz. Mahindra and Swaraj Pt. Ltd., TAFE, Chennai, Sonalika International Limited, Shaktiman Agro Industries limited, NETAFIM Irrigation Jain Irrigation, Rivilus Irrigation, Kothari Irrigation, Bhumi polymers Limited, Krishidhan Pvt. Ltd., Rohit Agro Industries Pvt. Ltd, Drip Tech Irrigation, Mapro Pvt. Ltd. Etc. Companies during year 2018-2023.

- Placement cell worked closely with consultancies involved in organizing job fairs in which the cell has close licensing with Global placement, Hyderabad and People side consultancies, Pune.

- Created awareness among UG, PG and Ph.D students on scope and opportunities for Agricultural Engineers in various tractor, irrigation and other industry companies in different programmes like orientation programme and through special lectures.

- Organized test series for students for preparation of various competitive examinations of ICAR/MCAER/GATE.

- Completed enrolment of CAET, Parbhani as an institution for conducting various trainings at NATS portal of Govt. Of India.

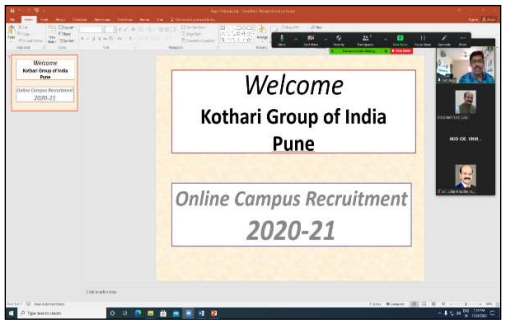
Relevant Photographs

Campus placement of Bhumi Polymer Limited, Rajkot held in 2018

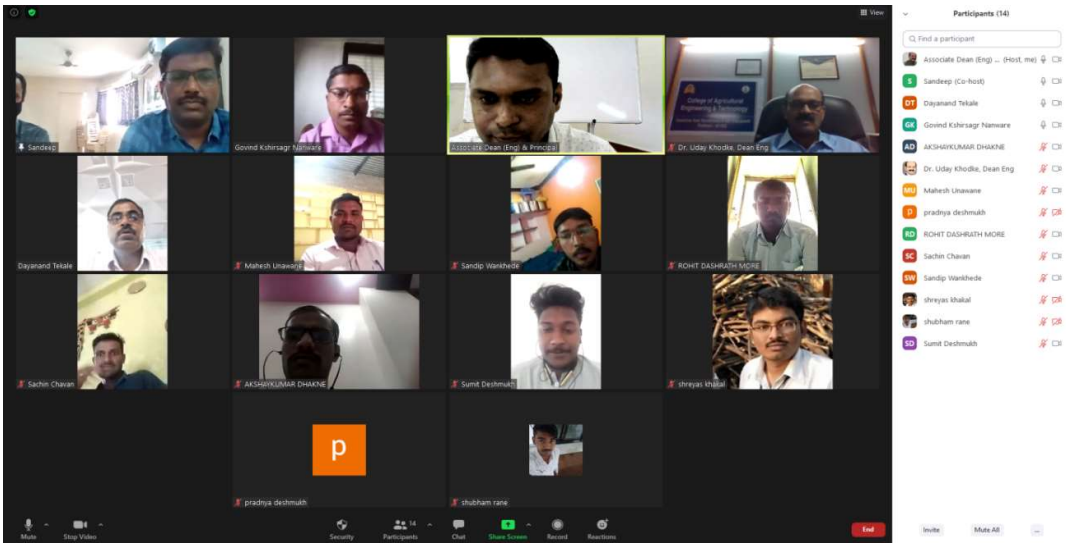
Engineers cum Teachers Day celebration

ICAR funded workshop on skill and personality development -2019

ICAR funded two days workshop on Skill and personality Development



Online Campus interviews of Kothari Group of India



Online Campus interviews of Kothari Group of India

Organization of personality development workshops of Dr. B. Shivaprasad, Corporate Trainer, Hyderabad and Ex. student and PSI, Mumbai Police Ms. Anjali Wani

6.5.5 Physical Facilities

The college has self contained campus with college building having facilities like well furnished class rooms, well equipped laboratories with sophisticated equipments/ instruments, library, play grounds, hostel building and residential facility for hostel warden and Associate Dean. Facilities pertaining to sports, gymnasium, central library, girl's hostel, faculty residential facility and health clinic are in-place at University level and are located within the campus. The details of infrastructure available is presented in Table 35.

Table 30: Physical facilities at college and campus

S. No.	Physical Facility	Particulars of physical facility			
		No. of units	Plinth Area sq. m	Capacity	Adequate (Yes/ No)
1	College building		5951.55	--	Yes
2	Administrative office	01	177.84	--	Yes
3	Classrooms	04	552.24	--	Yes
4	Laboratory	12	2079.72	--	Yes
5	Library	01	102.00	--	Yes
6	Training and Placement cell	01	90.00	--	Yes
7	AICRP on UAE	02	299.00		Yes
8	Boy's hostel (Sahyadri)	01	1057.00	140	Yes
9	Girl's hostel (Prabhavati)	01	651.00	40	Yes
10	Sports complex and play grounds	03	13410	--	Yes
11	Guest House	--	--	--	--
12	Canteen	01	311.60	60	Yes
13	Health clinic	--	--	--	--
14	Workshops	01	286.72	--	Yes
15	Meeting Room/ Faculty club	01	132.16	--	Yes
16	Auditorium/ Conference room/Recreation room	01	175.82	200	Yes
17	Other (Specify) Open stage for cultural events	01	140.00	--	Yes
18	Other (Specify) Ladies special room	01	20.00	--	Yes
19	Music/Recreation Room	01	52.50	20	Yes

6.5.5.1 Hostel

College has hostel facility for the UG, PG and Ph. D. students separately for the boys and girls. The PG and Ph. D girl students are accommodated in the common girls hostel facility available at university level in the Divakar Ravte and Jijaoo girls hostel whereas for

UG girls separate College hostel Prabhavati is provided.

The UG and PG & Ph. D. boys' student are accommodated separately in two different hostels namely Sahyadri and Deogiri boys' hostel. College has hostel for UG boys with accommodation capacity of 140 students with common facility of wash rooms for each wing. Two students of UG programme are allocated in each room of the hostel. There are two mess facilities provided in the hostel, with R. O. drinking water system. The hostel is also provided with common T.V. hall, which also serve the purpose of recreation and function room. Arrangements are made for daily cleaning of rooms, corridors, facilities and premises. Hostel is also provided with RCC cycle cum vehicle shed, water storage tank and bore well with submersible pump set. Water supply to the hostel is through University water supply system. Indoor games facility (chess and carom) is available at boys hostel. For emergency medical help, First Aid Box is maintained in Hostel Office room and college vehicle is kept always ready and is provided, when need arises during odd hours. Details of hostel facilities of the college are presented in Table 36.

Table 31: Details of facilities available in the Hostel

Sahyadri Boys Hostel			
Name of the facility	Particulars	Capacity/ frequency	Remarks
Accommodation	Sahyadri boys hostel,70 rooms of size 3.8 m x 3.8 m and 2 students per room.	140 students	PG/PhD Boys are accommodated in Devgiri Hostel common for two faculties Food Technology & Agril. Engineering
Mess	1. Run through contract system 2. Run through co-operative system	70 students 70 students	Contractor is appointed having licence of food & drugs department
Drinking water	R .O With 500 lph capacity established in 2012-2013	500 lph	Maintained by ACMC every year
Library	Students uses central VNMKV Library and CAET, Library.	500 students	-
Wi-Fi	Wi-Fi System established in 2016-2017	5 routers ,6 core fibre and media converter is provided	-

Recreation/in-door games	T.V Hall of size 7.30 m x 4.05 m Carram set and chess set	38 inch T.V 02	-
Emergency medical facilities	Available at central health centre of VNMKV, Parbhani.	-	First Aid Box available in Hostel Office
Cleaning of hostel & premises	It is done with labour through contractor	daily	-
Transport facilities	Students use their motor bike, bi-cycle to attend library. In emergency vehicle from ADP Office is provided	-	-
Problem redressal system (grievances system)	Through various committees like disciplinary committee and hostel management committee and also through advisory system	-	-

Prabhavati Girls' Hostel		
Name of the facility	**Particulars**	**Capacity/ frequency**
Accommodation	10 rooms, size, 4.75 m x 3.25 m and accommodation capacity four students per room.	40 students
Mess	Rooms, size, 4.82 m x 6.63 m Only 40 students are staying in hostel so students are availing mess facility of other girl's hostel near Prabhavati hostel	--
Drinking water system	1) Water purification system (R O) 2) Water cooler 3) One tank for extra storage of purified water	250 litres/h 50 litre per hour 200 litre
Common hall	T.V Hall of size 4.80 m x 7.38 m	24-inch T.V. Carom set, chess set (02)
Problem redressal system	Hostel management committee is in-place	Weekly
Cleaning	Two female labour are assigned for the cleaning of hostel premises including wet sweeper	Daily
	Cleaning of drinking water tank	Weekly
Transportation	Hostel is very near and at walking distance from college, university library and gymkhana	--
Medical facility	Emergency medical facility	First aid box is available at hostel. University health centre available.

Physical facilities in College boys hostel

Physical facilities in Girls Hostel

Accommodation to the girl students of PG and Ph.D. programme is provided in the common hostel facilities established at University level.

6.5.5.2 Examination Hall

The college has a separate examination hall of 275 m^2 area and office equipped with dual desk single student seating arrangement for about 150 students to conduct mid semester and semester end theory examinations of UG students. The examination hall is well ventilated and provided with sufficient number of lights, ceiling fans, air coolers (for summer examinations), CCTV camera network and 10 kVA UPS.

Examination hall of the college

6.5.5.3 Sports and Recreation Facilities

Facilities for outdoor and indoor games are available in college premises. There are three play grounds viz., Kho-Kho, Kabbadi and Volley ball in the college grants near hostel. Indoor games facility (chess and carom) is provided at boys/ girls hostel.

For every academic year, in-charge officers for sports and cultural events are nominated at college level. Respective in-charge of the sports and cultural events guide the students as per their interest need and demand. Sports, cultural activities and college programmes are arranged through Gymkhana fund of the college. Details of incharge nominated for sports and cultural activities for the year 2022-23 are presented in Table 37 whereas availability of sports facilities at the college are presented in Table 38.

Participates of students in sports

Table 32: Details of incharge for sport and cultural activities for the year 2022-23

S. No.	Name of the sport/cultural activity	Name of the incharge
1	Table Tennis/ Badminton(F)	Dr. Smita Khodke
2	Basket ball(F) / Valley ball(F)	Dr. Smita Solanki
3	Kabbadi(F)/Kho-Kho(F)/ Athletics(F)	Dr. Pramodini More
4	Atheletics(M)	Dr. D.V.Patil
5	Kabbadi(M)	Dr. P.A. Munde
6	Kho-Kho(M)	Dr.S.B.Jadhav
7	Basket ball(M)	Dr.H.W.Awari
8	Hand ball(M)	Dr. V.M.Bhosle
9	Volley ball(M)	Dr.S.D. Payal
10	Chess(M)	Shri D.V. Raut
11	Table Tennis(M)	Shri. L.V. Rautmare
12	Badminton(M)	Prof. B.W.Bhuibhar
13	Theatre, One act paly	Dr. M.R. More
14	Folk Dance, Music, Fine arts etc.	Dr. S.D. Vikhe
15	Criket	Dr. R.V.Shinde
16	Avishkar	Dr. S.R.Garud

Table 33: Sport facilities of the college

S. No.	Games/ Sports	Equipment and infrastructure availability	Adequate / inadequate
1	Kabaddi	Available	Adequate
2	Kho-Kho	Available	Adequate
3	Volleyball	Available	Adequate
4	Cricket	Available at University level	Adequate
5	Table tennis	Available at University level	Adequate
6	Chess	Available	Adequate
7	Badminton	Available at University level	Adequate
8	Weight lifting	Available at University level	Adequate
9	Carom	Available	Adequate
10	Javelin throw	Available at University level	Adequate
11	Basket ball	Available at University level	Adequate
12	Athletics	Available at University level	Adequate

6.5.5.4 Auditorium

The college has A.C. auditorium cum conference hall constructed in 1990-91 with built up area of 175.82 m^2 and seating capacity of 200 personnel. Auditorium is used for the cultural activities and celebrations of various events, trainings etc which includes birth anniversaries of Nobel laureates Freshers welcome, Farewell etc. weekly. The auditorium is provided with comfortable individual seating arrangement on staired flooring pattern, dias, podium, sound amplifier, speakers, mikes, LCD projector with screen, magnetic ink board and window curtains. The hall is also provided with enough ceiling fans and 10 kVA UPS for back up supply.

Seminars lectures of imminent personalities are arranged in the auditorium hall. An A.C. conference room cum meeting hall is also available which serve as mini auditorium and used for conducting student's seminar.

Auditorium hall of the college and organization of technical workshops

6.5.5.5 Exhibition Hall/Museum

College has exhibition hall cum museum which is located in hall No 7/4 of the college building with total floor area of 234 m^2. The museum houses charts, models and prototypes of irrigation system components, charts and models of rainfall measurement, runoff measurement, soil and water conservation measures, watershed development, prototypes of renewable energy gazets, post harvest processing models, prototypes of farm implements, farm machineries and working model of tractor operating systems and green house and shade net models.

6.5.6 Research Facilities

For partial fulfillment of UG programme, research project of 0+6 or 0+10 credits is to be undertaken by individual or group of students pertaining to any one of the disciplines of Agricultural engineering. For conducting student's research projects, college has sufficient number instrumentation, equipments, machineries, instructional farm, farm pond, runoff plots, Experiential Learning Unit on 'Processing of Pulses and Oilseeds', renewable energy park and fabrication workshop facility. Moreover, students also avail the research facilities available at different research centers of University as well as at state and central Government departments.

Field research facilities of the college

6.5.6.1 Postgraduate Laboratories and Equipment

Departmentwise details and number of UG, PG and Ph D laboratories of the college is presented in Table 39. Details of departmentwise list of equipments/ instruments/implements is presented in Table 40.

Laboratories

Table 34: Department wise details of laboratories

1. **Department of Irrigation and Drainage Engineering**

Sr. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Students)
1.	Micro Irrigation Field Lab.	100	100	10000	40
2.	Geo-informatics Computer Lab.	3.00	4.00	12.00	10
3.	Lysimeter-AWS Field Lab.	140	100	14000	40

2. **Department of Soil and Water Conservation Engineering**

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Soil water Conservation Engineering Field Lab.	100	100	10000	40

3. **Department of Agricultural Process Engineering**

S. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Crop Processing Engg. Lab.	11.28	14.32	162	40
2	Food Engineering Lab.	8.7	7.4	64	10
3	Quality control (ELP) Lab.	12.20	10.80	132	40

4. **Department of Farm Power and Machinery**

Sr. No.	Name of the Laboratory	Length (m)	Breadth (m)	Area (sq.m)	Seating Capacity (No. of Student)
1	Workshop	10.60	21.80	231	40
2	Farm Power	11.15	21.40	239	40
3	Engineering Drawing Hall	11.15	18.80	198	40
4	Implement Shed	16.50	29.60	488	40
5	Exhibition Hall	10.60	22.00	233	40
6	CAD – CAM	06.00	15.00	90	40
7	Laboratory	11.15	17.80	198	40
8	Drawing Hall				

Table 35: Details of department wise list of equipments/instruments/implements for PG & Ph. D. programme

S. No.	Name of equipment/ instruments/implements
Department of Irrigation and Drainage Engineering	
1	Oven, Tensiometer, Electrical Conductivity Meter
2	Double Ring Infiltrometer, pH Meter
3	Water Quality Testing Kit
4	Sprinkler and Drip Irrigation System Components
5	Irrigation Water Measuring Devices (V-Notch, Parshall Flume, H-Flume, Orifice Plate)
6	Venturimeter, Orifice meter setup, Parshall Flumes, Mouthpiece
7	Bernoulli's Theorem Apparatus
8	Meta-centric Height Apparatus
9	Tilting flume apparatus
10	Current meter, Pan evaporimeter, Electrical resistivity meter
11	Different manometers
12	Different components of pumping unit: impellers, foot valves, etc.
13	Different flow control valves for pipe flow
14	Different types of pipes and pipe fittings
15	Pump test rig
16	Different models: water regulating structures in canal irrigation: head regulators, canal regulators, cross drainage works, etc
17	Water Quality Analysis kit
18	Photo Flame meter
19	Leaf Area meter
20	Drip Irrigation Automation Unit
Department of Soil and Water Conservation Engineering	
1	Hot air oven, Augers, Moisture boxes, Digital weighing balance
2	Digital soil moisture meter
3	Bulk density apparatus-core cutters
4	Soil temperatures meters-1) probe thermometer2) infrared thermometer
5	Double ring infiltrometers
6	Falling head permeability test apparatus
7	Sieves shaker for particle size analysis
8	Consistency limits apparatus
9	Instruments for land survey, Plane table and its accessories, Prismatic and surveyors compass, Automatic level, Thedolite, Dumpy levels and levelling staves, Drafting table
10	Instruments for slope measurement-hand level, Abney level, clinometers etc.
11	Total survey station
12	Flow measuring devices-h flume, parshall flume
13	Flow velocity measurement instruments-current meters
14	Multi slot divisors and Runoff plots on field laboratory
15	All types of rainfall recorders
16	Stage level recorders
17	Different evaporation pans
18	Anemometer, Hygrometer

Department of Agricultural Process Engineering	
1	Texture analyzer
2	Apparatus for angle of repose, anemometer,
3	Apparatus for measurement of properties of milk, cream separater
4	Autoclave
5	Mini Dal Mil
6	Infrared Moisture meter
7	Flour Mill
8	Mixer cum pulper
9	Models of handling equipments and Boilers
10	Vibration and drop tester, Box compression tester,
11	Spray dryer
12	Orbital shaking incubator
13	Horizontal laminar air flow cabinet
14	Colany Counter
15	Bakery Unit
16	Water activity meter
17	Hunter Lab colori meter
18	Extruder
19	Multi grain Roster cum puffer
20	PH meter
21	Refractrometer
22	LHLT mechanical dryer
Department of Farm Power and Machinery	
1	Tractor – 45 hp
2	Power Tiller, Reapear
3	Lathe Machine, CNC Machine, Shaper Machine, Welding Machine
4	Grinder
5	Tool kits with box (Ellen key set, Open end spanner set, Pliers, Nose pliers, Circlip pliers)
6	Cut sections of Tractor, Single and Multi cylinder engine, Air cleaner, Gear box, Differential, Battery, Fuel injection pump
7	Models of Electrical system, Lubrication system, Cooling system, Tractor hydraulic system
8	Mould board plough, Sub-soiler, Rotary tiller, Cultivator, Seed-cum fertilizer, drill Inclined plate planter, Vertical conveying reaper, Potato digger
9	Laser leveller
10	Set of animal drawn implements: disc harrow and cultivator
11	Potato planter, Sugarcane cutter planter
12	Knap sack sprayer
13	Wheat thresher, Paddy thresher, Multi crop thresher
14	Standard disc plough, Mould board
Department of Basic Science and Computer Technology	
1	One Server
2	Thin Clients- 24
3	Desktop PC-8
4	10KVA online UPS

5	Network Switches
Department of Renewable Energy Engineering	
1	Electrical Tutor for three phase induction motor
2	Electrical Tutor for Single phase induction motor
3	Electrical Tutor for Slip-ring induction motor
4	08 Channel Micro- Processor based Temperature Scanner
5	Em50 Digital Data Logger: with Data Trac III graphing software (single user) and Solar Radiation Sensor (Pyranometer) with levelling plate
6	Pyronometer
7	SPV Submersible pump, SPV centrifugal pump
8	Solar wind hybrid power generating system
9	Solar water heating systems: Flat plate collector type, Evacuated Tube Collector type
10	Solar cookers: Scheffler type, Parabollic collector type, Box type
11	Solar Dryers: Tunnel type, Cabinet type, Rock bed type
12	Solar Distillation plant
13	Biogas Plants: Deenbandhu type, Floating drum type (AARTI model)
14	Biomass Gasifier
15	Biodiesel Processor
Department of Farm Structures	
1	Slump Cone Test, Compaction Factor Test, Flow Table,
2	Le-chatelier mould
3	Vicat apparatus
4	Concrete cube mould
5	Universal Testing Machine (U.T.M Capacity = 40 tonne)
6	Compression Testing Machine Capacity-1000 KN
7	Aggregate Impact Testing Machine
8	Stiffness of spring test, Hardness test
9	Force Tables
10	Differential Axle and Wheel, Single Purchase Crab, Double Purchase Crab, Worm and Worm Wheel
11	Models of Shade net house, Green house, Construction Technology, Trusses

6.5.6.2 Research Contingency

ICAR development grants are utilized for undertaking head base research work of UG, PG and Ph D programmes. Yearwise details of ICAR research funds received and expenditure incurred is presented in Table 41. ICAR research funds are granted at college level only. Hence, its departmentwise allocation is made as per the research priority and need of the departments.

Table 36: Yearwise details of ICAR research funds received and expenditure incurred during 2018-19 to 2022-23

Year	ICAR Grants Received (Rs in Lakhs)	Expenditure (Rs in Lakhs)
2018-19	13.00	04.77
2019-20	15.00	16.16
2020-21	18.30	10.87
2021-22	67.00 (College 2.0/Dean 65.0)	11.72
2022-23	0.20	0.20

6.5.7 Outcome/Output

6.5.7.1 Student Performance in National Examinations

After completing UG programme, students of the college who are interested to pursue higher education, attempt entrance examinations at National and State level. Performance of UG students in GATE, ICAR-JRF and other National level examinations and their placement in different universities for PG programme during 2018-19 to 2022-23 is presented in Table 42. Similarly, performance of students in Maharashtra Common Entrance Test, MCAER-CET for admission to PG programme in SAUs and other examinations, is presented in Table 39.

Table 37: Students performance in national examinations for the period of 2018-19 to 2022-23.

Sr. No.	Type of Examination	Year wise Number of Students Qualified				
		18-19	19-20	20-21	21-22	22-23
1	GATE	02	05	01	01	01
2	ICAR - PG	05	08	12	03	04
3	MCAER	06	05	13	08	17
	Total	**13**	**18**	**26**	**12**	**22**

Out of total of 278 students passed out in UG programme of the college, about 15 % students have preferred to appear for entrance examinations conducted at National level for pursuing higher education.

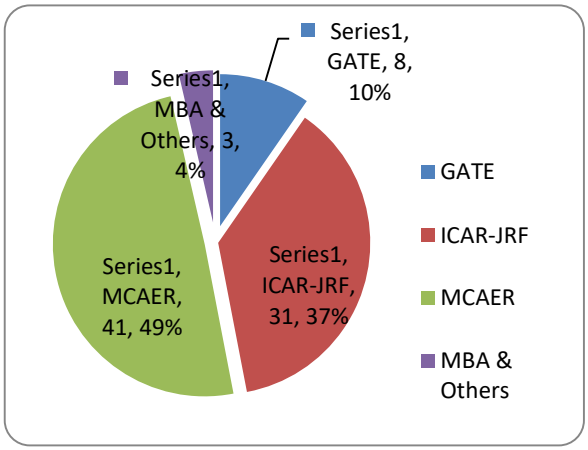


Figure 1: Performances of UG students in National and State level PG entrance examinations

Out of total 278 students passed out UG programme of the college, 35% students preferred to appear entrance examinations conducted at state level for pursuing higher education mostly in SAU's and other institutes, so as to get high grade professional job. On the basis of MCAER-CET examinations students have secured the admission in either of 4 SAUs, 27.5% students preferred Agricultural Processing Engineering whereas 25% students have preferred Farm Power and Machinery subject for admission to M. Tech. Preference of students for the subjects Irrigation and Drainage Engineering and Soil and Water Conservation Engineering is 22.5 and 17.5%, respectively. Preference for subjects other than Agricultural engineering is observed to be of 5% percent only. Moreover, 57.5% students preferred the parent University for pursuing higher education.

Overall, out of 278 students passed out, 26.5% students opted for higher education in order to get higher professional jobs in Agricultural engineering.

6.5.7.2 Student Placement Profile

Students placement cell is established in the room No 12-A of the college building. Students passed out UG programme and got placement in different institutes, departments, banks and private sectors during the period from 2018-19 to 2022-23 are as under.

Most of the passed out UG students, while pursuing PG programme, prepare for seeking job in banking sectors through Banking Service Recruitment Board. Job requirement of posts such as Agril. Officer/Agril. Field Officer/Junior Agril. Officer, etc in banking sector, is to verify technical facts and feasibility of the Agricultural development project to be financed. Fourty seven students working in banking sectors in different banks are as under.

Table 38 :Sector wise Placement Record of CAET Students for the period of 2018-19 to 2022-23.

Sr. No.	Name of the Sector	Number of Students	Percentage of the Students
1	Govt. of Maharashtra/ Govt. of India	08	3%
2	Private & Nationalised Bank	13	4%
3	Tractors & Agricultural machinery	20	7%
4	Irrigation & Soil/Water Conservation	22	8%
5	Food Process sing	02	1%
6	Private Institute / NGO	01	0.5%
7	Entrepreneur	03	1%
8	Higher Study	70	24%
8	Other Sectors / Digital & Commerce Sectors	14	5%
9	Competitive Exam Preparation	125	47%
	Total	**278**	

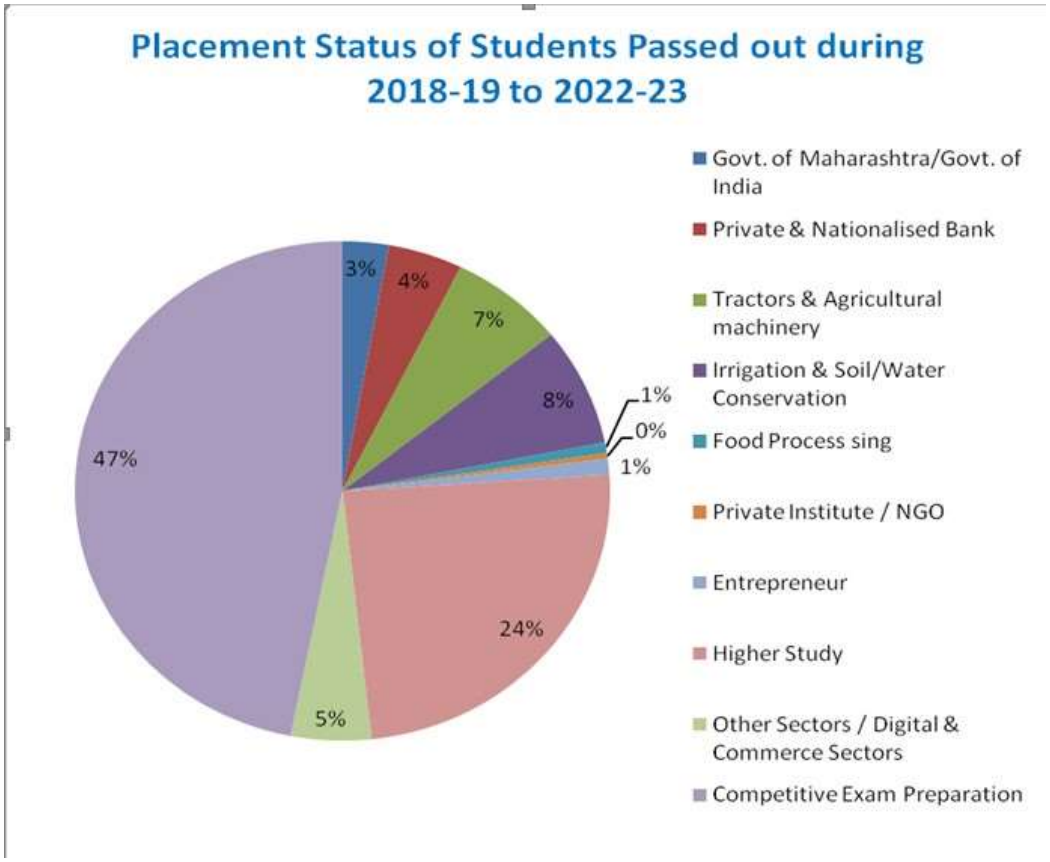


Figure 2: Placement of UG students during 2018-19 to 2022-23

6.5.7.3 Award/Recognition/Certificates

The awards/recognition /certificates received by college students in various activities are as

under :

Table 39: Student awards/recognition/certificates during 2018-19 to 2022-23

S. No.	Year	Name of Student	Awards/recognition / certificates
1	2018-19	Kshide Rakesh	II Prize in Classical Instrumental Solo in Inter Collegiate Youth Festival
		Ms. Buttanwad Vaishnavi	First Prize in light Vocal in Inter Collegiate Youth Festival
2	2019-20	Chavan T.S.	Second Prize in intercollegiate Elocution competition organized by Bhanudasrao Chavan Pratishthan Aurangabad
3	2020-21	No competitions were conducted due to CORONA	
4	2021-22	No competitions were conducted due to CORONA	
5	2022-23	Avishkar	Ms. Priyankja Yenke, Harkal A.N., Ms. Seema Akhade, Ms. Nilza Othizes, Mauli Khating, Gosavi Rinkesh

The awards/recognition/certificates of UG students in inter-collegiate sports and co-curricular events during 2018-19 to 2022-23 are presented in Table 48.

Table 40: Award/recognition/certificates of college students in intercollegiate sports and co-curricular activities (Youth Festival) at University level during 2018-19 to 2022-23

Year	Activity	Award
2018-19	Mime	Third prize
	Kabbadi (M)	First Prize
	Kabbadi (M)	First Prize
2020-21	No games were conducted due to CORONA	
2021-22	No games were conducted due to CORONA	
2022-23	Badminton (M)	Second Prize

College students are selected in University team to participate in Inter-University competitions during Zonal/ ICAR tournaments during 2018-19 to 2022-23 is presented in Table 49.

Table 41: College students selected in University team to participate in inter University competitions (State and National Level) 2018- 19 to 2022-23

Year	Activity	Names of the student
2018-19	Volley ball (M)	Thorat A. A. 2016/59B
	Kabbadi (M)	Ghadge P.M. 2015/20B Satarkar S.S. 2015/51B Shinde D.S. 2015/38 (Waiting)
	Kabbadi (F)	Pawar Puja Dhondiram 2017/51B
	Kho-Kho (M)	Bhoite D.M. 2017/04B

	Chess	Dudhate P.P. 2015/17B
	Folk Dance	Ms. Pawar V.B., Ms. Kumavat T.D., Kalbande V.D., Patil S.P., Ms. Mote K.D., Ms. Awasarmal S.R., Ms. Lad P.D., Konade S.S.
	Lavani Dance	Ms. Neha Awasarmal,
	Mime	Ms. Waghmare B.N., Ms. Pawar H.B., Kalbande V.D, Jajbir S.S.
	Skit	Bhoite D.M., Vahital G.S., Suryawanshi B.M., Chavan T.S.
2019-20	Badminton (M)	Nikam O.P. 2016/41B, R.R.Kashid 2017/29B,
	Kabbadi (M)	Ghadge P.M. 2015/20B, Nikam O.P. 2016/41B
	Kho-kho (M)	Bhosle A.R., Pawar H.B., Thoke P.A.
	Basket Ball (M)	Arkade R.G.2017/02, Kharat Krushna 2017/32B, Netke A.N. 2017/43, Waiting: Waghmare S,.S., 2016/64B
	Kabbadi (F)	Khating V.D., 2015/28B, Kumavat T.D. 2016/34B,
	Music	Shruti Rajput
2020-21	No games were conducted due to CORONA	
2021-22	No games were conducted due to CORONA	
2022-23	Basket Ball (M)	Kale S.K. 2021/21B, Balmmjingshai N.R.K. 2021/06B Kharat H.M. 2022/01M
	Basket Ball (F)	Ms. Vaidya P.R. Ms. Shinde S.S. Ms.Gogavale I.S. 2020/24, Ms. Nilvarna Shweta (Waiting)
	Kho-kho (F)	Ms. Kachhave C.R. 2021/09B, Ms.Pawar H.B.Ms.Wani G.B.2021/54B
	Kabbadi (M)	Chavan S.R.2021/12B,
	Kabbadi (F)	Ms. Jadhav A.P., Ms.Kumavat T.D.2020/17M, Ms.Pote V.R. 2021/03M (Waiting)
	Volly Ball (M)	Landge A.S. 2018/35B,
	Volly Ball (F)	Ms.Desai M.B.

Award/recognition/certificates of Faculty

Award/Recognition/Certificates of College faculty during 2018-19 to 2022-23 is presented in Table 50.

Table 42:Award/recognition/certificates of faculty members during 2018-19 to 2022-23

Name of Faculty	Award/ Recognition /Certificates	Awardees Institute
Dr. S.U. Khodke	Laxmikant Kokil Sinchan Lekhan Puraskar, 2018	Maharashtra Sinchan Sahyog, Aurangabad
Dr. S.U. Khodke	Best paper Award for the paper entitled **"Entrepreneurship** Development through	First International Conference on "Entrepreneurship in Agriculture and Renewable Energy Sector" held at Dr. PDKV, Akola during 15-16,

	Production of Soynuts in (HTST) type Puffing Machine at Cottage Level"authored by Smita Khodke, Avinash Kakade and Nitin Aras 2019	March, 2019.
Dr. S.U. Khodke	Best paper Award for the paper entitled **"Effect of different osmotic agents on quality of osmo-convective dried orange slices with peel."** authored by Madhuri Gajbe,Smita Khodke and Shubhangi Thakre, 2019	First International Conference on "Entrepreneurship in Agriculture and Renewable Energy Sector" held at Dr. PDKV, Akola during 15-16, March, 2019.
Jaybhaye R.V	Best Poster Award for the paper entitled **"**Entrepreneurship Development in Rural Sector Through Traditional Ready-To-Eat Food (Kharodi)**"**authored by Solanke S.B., Jaybhaye R.V. and Giram R.J. 2019	First International Conference on "Entrepreneurship in Agriculture and Renewable Energy Sector" held at Dr. PDKV, Akola during 15-16, March, 2019.
Dr. S.N.Solanki	Corona warrior award- 2020	Jivansadhna Foundation.
Dr. S.N.Solanki	INDIA PRIME Top 100 Women Icon award – 2021	Fox Clues, Ludhiana
Dr. S.N.Solanki	Krishi Nari Samman - 2021	Kasturi-TCSRD(Tata Chemical Society of Rural Development) and all about FPO (Krishi Vikas Initiative)
Dr. S.N.Solanki	Maharashtra Bhushan Va Jivan Gaurav purskar -2021	Mahatma Kabir Samata Parishad (Maharashtra State)
Dr. S.N.Solanki	Star golden award – Best Research and extension – 2021	Suman Arts Theatres.
Dr. S.N.Solanki	Agrocare Idol award for Best innovative and Extension work - 2021	by Agrocare Krishimunch, Krushi Udyog Manthan.
Dr. S.N.Solanki	Women's Conclave and Awards for Best innovative and Extension work – 2021	Crazy Tales
Dr. S.N.Solanki	India Star Community Award – 2021 for lifetime achievement award in research (Animal Energy)	MTTV India Digital Media
Dr. S.N.Solanki	Women Leadership Award - 2021	GlantorX Market Research and Ranking

Dr. S.N.Solanki	World women icon 2022 - Best Researcher in Maharashtra State	Global Trimph Foundation.
Dr. S.N.Solanki	IWM researcher Award -2022	Nirgia Brand Promoters
Dr. S.N.Solanki	Indian Glory Award 2022 for Farm Mechanization and Research Extension	Kites Productions
Dr. S.N.Solanki	Bharat Bhushan Award- 2022 in Research & Extension in farm mechanization	NAHF Registered by Govt. of India
Dr. S.N.Solanki	Nelson Mandela Global Brilliance award – 2022 for excellent work and outstanding performance and remarkable role in the field of agriculture	International Humanity Mission Organization, under Ministry of Social Science and Empowerment, Govt. of India.
Dr. S.N.Solanki	Best Scientist Award - 2023	VNMKV Parbhani Maharashtra
Dr. S.N.Solanki	Certificate of Mentor Avishkar 2023 for PG and PPG students,	Savitribai Phule PUNE University in 15th Maharashtra State Inter-University Research Convention.
Dr. S.N.Solanki	32 Appreciation letters	From various institutions and dignatories

6.5.7.4 Employability

The graduates of the college prefer to go to agriculture or allied sectors in government, semi-government or private organizations. However, due to less vacancy and time-lag in placement, only 4% of graduates of the college are employed in Government's Agricultural related sectors. Students also opt to appear in competitive examinations related to agriculture sector to serve the farming community. About 46% of the total employed graduates of the college during 2018-19 to 2022-23 are selected in different banks and organizations dealing with Agricultural development projects for farming community.

The 44% of the total employed graduates are working in private institutes/ organizations /firms as design or sales engineer and dealing with components of agriculture pertaining to irrigation systems, seed processing and storage, tractor and farm machinery, renewable energy, electric motor accessories, watershed development, etc.

After acquiring higher qualifications, 10% of the total employed graduates are employed in Private Academic Institutes and few of them have started their own business/ industries related to Agricultural engineering.

Table 43: Details of the college students initiating self entrepreneurship and leading the companies.

Name of the student	Present Position	Name of the firm	Turn Over (Rs.Lakhs)
Randhir Chavan	Managing Director	Netafim Irrigation Pvt. Ltd. Vadodara, Gujrat State.	90000.00
D. R. Bhapkar	Managing Director	Resonant Plast Pvt. Ltd. Nashik	150.00
S. G. Dhoot	Proprietor	Gurudatta Industries, D-52/14, MIDC Waluj Aurangabad	300.00
R. K. Salunke	Proprietor	Global Quality Agencies, Baramati	17.00
Pramod Bhande	Proprietor	Eurosia Irrigation Systems Pvt. Ltd. Aurangabad	60.00
B. K. Pedgaonkar	Proprietor	ARTS Waternatics, MIDC, Parbhani	700.00
Girish Kanole	Managing Director	John Deere Irrigation Ltd. Pune	-
Manik Jadhav	Proprietor	NIIT, Aurangabad	-
M. D. Latpate	Founder and CEO	Bigdash LLP Service Provider Co. Pune	-

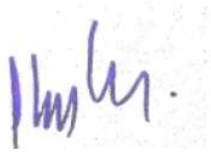
- Faculty of the college work for the overall development including professional skills, attitudes, motivation, personality development, etc in order to improve the employability of Agricultural engineering graduates.
- Students from the college are heading various tractor and irrigation companies, food industries at state and national level. They are also working in state Agricultural department and on administrative posts in the civil department. Some students are having their own start ups in irrigation pipes and component food processing and farm implements and machineries industries.
- It is matter of great pride for the fraternity of Agricultural Engineering that one of our Ex. Student and Alumina of this college Mr. Randhir Chauhan is the Managing Director of NETAFIM India, Division and a Member of NETAFIM Corporate Management. Having served in Netafim at various levels and groomed as top talent in the group, his current responsibility since 2007 is for overall management of business and long-term strategic vision for India and SAARC countries.
- Mr. Randhir has served Irrigation Association of India as president for 3 years. During this tenure, IAI served a critical role in formation of National Mission on Micro-Irrigation under his visionary outlook and persuasive effort. He is an active member of many industry affiliated associations and organizations like state micro-irrigation committee, Irrigation Association of India, etc. He is also a member of Confederation of Indian Industries (CII) National Council on Agriculture. Mr. Randhir Chauhan added a feather in the cap of College of Agricultural Engineering and Technology, VNMKV, Parbhani due to

his hard work, excellent performance, dedication, talent and honesty. Following photographs indicate his leadership quality.

CAET Parbhani Aluminus Mr. Randhir Chauhan, MD, NETAFIM India presenting before Hon. Prime Minister of India Shri Narendraji Modi CAET Parbhani Aluminus Mr. Randhir Chauhan, MD, NETAFIM India presenting before Hon. Chief Minister (T.S.) Shri K. Chandrashekhar Rao & Hon. Chief Minister (M.S.) Shri Devendra Fadanvis.

Certificate

I, Dr. U. M. Khodke, **Dean**, College of Agricultural Engineering & Technology, Parbhani 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.



(U.M. Khodke)
Dean

Date:

Seal: