

WELCOME

DR. ANNASAHEB SHINDE
COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY
MPWU, RAJUR



WELCOME

Dr. B. S. Chundawat,

Chairman

Former Vice Chancellor, SDAU, Dantiwada, Udaipur

Dr. S. S. Siwach,

Member

Former Director Research, CCSHAU, Hissar

Dr. M. Pratap

Member

Former Registrar, SKLTSHU, Telangana,

Dr. B. K. Sharma

Member

Director (Education) SKNAU, Jobner

Dr. Jasawant Singh

Member

Former PC, Indian Institute of Sugarcane Research, Lukhnou

G. Venkateshwarlu

Member Secretary

Assistant Director General (EQR)





Self Study Report
(2013-14 to 2017-18)

Of

**Dr. A. S. College of Agricultural
Engineering & Technology, MPKV.
Rahuri**

By

**Dr. D. D. Pawar
Associate Dean**

Action Taken on the Previous PRT observations

- ❑ **Recommendation-** In order to promote quality PG and Ph. D programme and creative research faculty positions be strengthened with professors and associate professors.
- ❑ **Action Taken**
 - Strengthening Proposal has been submitted to the Govt. of Maharashtra vide letter No. Agril. Engg. Coll. Streng. / 1912/2008, Dt. 18.8.2008 and revised proposal vide letter no. SA/Agril. Engg. Coll. /CAS/Streng. / 3256 / 2010, Dt. 26.9.2010
 - The Proposal of faculty strength with budgetary estimates for strengthening PG and Ph. D has been submitted to Govt. of Maharashtra, Mumbai vide letter no. Admin- D/ EST/1284 / 2017, Dt. 9.5.2017
 - It is also proposed to provide positions to college of engineering through redeployment of posts within university.

Historical background

- **Establishment 1969** College of Agricultural Engineering at Pune Campus of MPKV, Rahuri
- **Shifted to Rahuri 1972** At Central Campus of MPKV, Rahuri
- **In the year 1996 – named as Dr. Annasaheb Shinde College of Agricultural Engineering**
- **The name extended as Dr. Annasaheb Shinde College of Agricultural Engineering and Technology in the year 2016**

Mandate of the organisation

- The college intends **to actively pursue engineering and technological innovations** that can enhance its teaching, research and extension functions.

Goals and Objectives

- To **impart education and entrepreneurial skills** in engineering and design, development, manufacturing and operation of equipments and technologies for farm operations.
- To **conduct research** on development of machines/technologies with an aim to mechanize various farm and post harvest/product processing operations, optimum and sustainable conservation, utilization and management of land, water and energy.
- To give **emphasis on practical oriented teaching**, experiential learning.
- To equip the students with the **advanced skills**.

Future goals and objectives

- To start the Department in **Renewable Energy Engineering**.
- To make efforts to admit **International students** to this college
- To strengthen the policies for **joint programmes** with national and international organizations.
- To initiate **Public Private Partnership** programmes (**PPP**)
- **MoU's** with industry and **NGO's**

Academic Programmes

B. Tech.	Agricultural Engineering
M. Tech.	<ol style="list-style-type: none">1. Agricultural Process Engineering2. Farm Machinery and Power Engineering3. Irrigation and Drainage Engineering4. Soil and Water Conservation Engineering
Ph. D.	<ol style="list-style-type: none">1. Agricultural Process Engineering2. Irrigation and Drainage Engineering3. Soil and Water Conservation Engineering4. Farm Machinery and Power Engineering

Growth of Under Graduate Programme

B. Tech. (Agril. Engg.)

Year	Approved intake capacity
1969	20
1978	25
1983	32
1984	50
2004	64
2018	64

Growth of Post Graduate Programme

M. Tech. (Agril. Engg.)

- 1. Agricultural Process Engineering**
- 2. Farm Machinery and Power Engineering**
- 3. Irrigation and Drainage Engineering**
- 4. Soil and Water Conservation Engineering**

Year	Approved intake capacity
1982	2 seats each
2005	4 seats each

Doctoral Degree Programme

Ph.D. (Agril. Engg.)

- 1. Agricultural Process Engineering**
- 2. Farm Machinery and Power Engineering (2018-19)**
- 3. Irrigation and Drainage Engineering**
- 4. Soil and Water Conservation Engineering**

Year	Approved intake capacity
2011	2 seats each

Total Pass out during 2013-14 to 2017-18

Sr. No.	Degree	Number of Students
1	B. Tech. (Agricultural Engineering)	237
2	M. Tech. (Agricultural Engineering)	59
3	Ph. D. (Agricultural Engineering)	18

Faculty Strength of College

Positions	Sanctioned	Filled	Vacant
Dean	01	01	00
Professor	10	02	08
Associate Professor	06	06 (02 pooled)	02
Assistant Professor	09	12 (05 pooled)	02
Total	26	21 (07 pooled)	12

Department wise faculty profile

Sr. No.	Departments	Dean			Professor			Associate Professor				Assistant Professor			
		S	F	V	S	F	V	S	F	V	P	S	F	V	P
Dean's Office		01	01	00	--	--	--	--	--	--		--	--	--	
1	APE	--	--	--	02	00	02	01	01	00	01	00	00	00	02
2	FMPE	--	--	--	03	00	03	02	01	01	00	00	00	00	02
3	IDE	--	--	--	02	01	01	02	01	01	00	01	01	00	01
4	SWCE	--	--	--	02	01	01	01	01	00	01	00	00	00	01
5	Other (Civil/Mech/ Comp/ Elect. Engg/ Agronomy/ Phy/ English/ Maths/ PTI)	--	--	--	01	--	01	--	--	--	00	08	07	02	00
Total		01	01	00	10	02	08	06	04	02	02	09	07	02	06

S – Sanctioned

F- Filled

V- Vacant

P- Pooled

Technical and supporting staff

Sr. No.	Name of the post	Sanctioned posts	Posts filled in	Posts vacant
A	Establishment / Administrative Staff			
1	P.A./P.S./T.O. to Dean	01	01	00
2	Assistant Registrar	01	01	00
3	Office Superintendent	01	01	00
4	Assistant Superintendent	01	01	00
5	Senior Clerk	04	04	00
6	Junior Clerk	04	02	02
7	Stenographer	01	01	00
8	Steno Typist	01	01	00
9	Driver	01	01	00

Sr. No.	Name of the post	Sanctioned posts	Posts filled in	Posts vacant
B	Technical and Supporting Staff			
1	Agriculture Assistant	09	09	00
2	Draftsman	01	01	00
3	Sr. Mechanic	02	01	01
4	Jr. Mechanic	01	00	01
5	Welder	02	02	00
6	Fitter	02	00	00
7	Turner	02	02	00
8	Foundry Man	02	01	01
9	Carpenter	01	01	00

Sr. No.	Name of the post	Sanctioned posts	Posts filled in	Posts vacant
10	Surveyor	01	01	00
11	Wireman	01	01	00
12	Tracer	01	00	01
13	Plumber	01	01	00
14	Civil Mistry	01	01	00
15	Lab Attendant	08	05	03
16	Peon	06	03	03
17	Watchman	02	02	00
18	Majoor / Labour	02	02	00
19	Workshop Majoor/ Labour	04	03	01
	Total Sanctioned Posts	63	51	12

Department Wise Technical and Supporting Staff

Department	No. of Technical Staff (Technical Assistant)	No. of supporting staff (Clerk/ Typist/ Steno)	No. of Field staff (Agril. Assistant)
IDE	01 - JRA (Pooled)	01	3
APE	--	01	02
SWCE	01 - Surveyor (Pooled to Padegaon)	--	01+01(Pooled)
FMPE	01 - Technical Assistant 01 - Jr. Mechanic	--	--
REE	--	--	03 + 01 (Pooled)

Classrooms and Laboratories

Facility	No. of Unit	Area (sq. ft.)	Adequate Yes/ No	Facilities
Class rooms	04-UG 04- PG	11537	Yes	LCD projectors, Internet, CCTV,
Laboratories	21	14939	Yes	Equipments, machineries as detailed in next table
Instructional Farm	02	22 ha	Yes	Advanced irrigation systems, ET monitoring Station, Rainfall simulator runoff plots
Workshop	01	6006	Yes	CNC, Lathe, Milling Wood Turning, Cutting, Power Hacksaw, Welding Machine etc.

Facility	No. of Unit	Area (sq. ft.)	Adequate Yes/ No	Facilities
Dairy Plant	01	269	Yes	Mini Dairy Plant
Farm Pond	01	4306	Yes	Lined farm pond, submersible pump and siphon system
Green / Poly / Shadenet House	16	29073	Yes	Partially controlled & Naturally ventilated

Laboratory facilities

Department of APE (04)

Lab	Area (sq.ft.)	Equipments/ machineries
Heat and Mass Transfer & Thermodynamics Lab	2486	Pin Fin Apparatus, Composite wall apparatus, Emissivity measurement app, Stefan Boltzman app, Cochran boiler, Lanchshior, Boiler mountings & accessories,



Lab	Area (sq.ft.)	Equipments/ machineries
Crop Process Lab	2486	Oven , balance, dryers, vaccume dryer, freeze dryer.
Rheological Lab	355	Seed analyser, colour scanning, viscometer, UT, texture analyzer, NRI spectrometer, Extensiograph, Ferinograph, Amylograph,



Lab	Area (sq.ft.)	Equipments/ machineries
Pulse mill	1916	Cleaner, elevators, Buff polisher, Varam, weighing & bagging , Emery roller etc.



Department of FMPE (06)

Lab	Area (sq. ft.)	Equipments/ machineries
Farm Power	183	Tractor systems and engine systems cut models, dynamometers
Plant Protection lab and Tractor systems	95	Tractor cut model and other components, sprayers, dusters etc.



Lab	Area (sq. ft.)	Equipments/ machineries
Tractor and Harvester Training	95	Tractor and Harvester systems
Farm Machinery	2826	All Farm Machinery



Farm
Machinery
Testing
Laboratory

Rockwell cum Brinell hardness
Tester, Digital Load cell with
Indicator, Polar Heart Rate Monitor,
Eye Flicker Meter, Computerized
UTM, Digital In-Situ Soil Moisture

Testing centre



Farm
Machinery
Production
Workshop

Threading Machine, Traub machine,
Milling Machine, CNC Machine,
Hydraulic Multi-Function Sheet
Metal Working Machine

Manufacturing
unit



Department of IDE

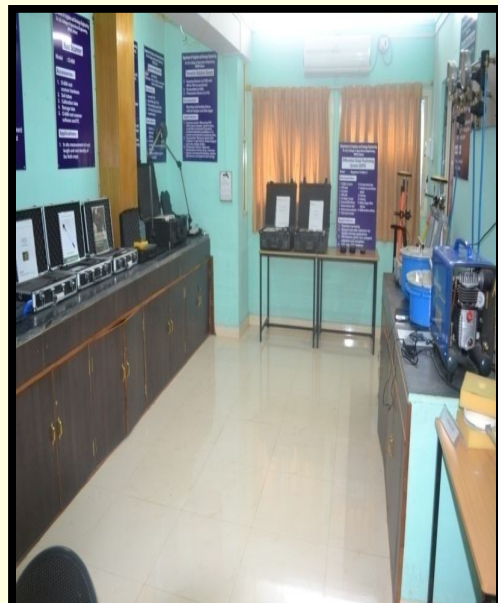
Lab	Area (sq. ft.)	Equipments/ Machineries
Fluid Mechanics and Hydraulics	2481	Pipe friction apparatus, Orificemeter, notches, Bernoulli's Theorem apparatus, C-V and RN apparatus, Metacentric Height apparatus,



Lab	Area (sq. ft.)	Equipments/ Softwares
Remote Sensing and GIS	1492	<p>ArcGIS 9.3 with 10 license copies</p> <p>ERDAS IMAGINE 9.1 with single License</p> <p>Surfer 10 with single license, MATLAB 2011b with single license, FEFLOW with 25 network license copies, MIKE SHE 11 with single license, GNSS Solution for DGPS., Mobile Mapper CX HEC – HMS, 10. HEC - RAS</p>



Lab	Area (sq. ft.)	Equipments/ Machineries / Softwares
Hydro informatics lab	294	Pressure plate apparatus , Portable Photosynthesis system , Automatic leaf area meter-, Water mark Moisture meter, Digital plant canopy Imager , Spectroradiometer Terrestrial Radiation sensors, Differential Global Position System (DGPS)



Department of SWCE

Lab	Area (sq. ft.)	Equipments/ machineries
Soil Conservation	1254	Raingauge, stage level recorder, Coshocton silt sampler, Parshall flume
Soil Mechanics	1889	Soil consistency limits, sieve shaker, weighing balance, oven, Compressive strength machine



Lab	Area (sq. ft.)	Equipments/ machineries
Surveying and leveling	165	Ranging rods, chain, Plane table set, Theodolite, different types of levels, GPS, Compass, Total Service Station



Department of REE (04)

Lab	Area (sq. ft.)	Equipments/ machineries
Electrical Engg.	1841	AC/DC electrical moters, Transformers, Elect. Measuring Instruments
Electronics Engg.	1841	Instrumentation tutors, Controller kit, Electronic kit



Lab	Area (sq. ft.)	Equipments/ machineries
Civil Engg	1841	UTM machine, Testing equipments
Computer	1841	Computers, Scanner, printer



Details of Instructional farm

Facilities on Farm	Total Area (ha)
Pumps and micro irrigation systems, ET monitoring Station, Hydraulic study drip system, Polyhouse Shadenet houses	19.50



Details of Instructional farm

Facilities on Farm	Total Area (ha)
Rainfall simulator runoff plots Field plot with multi slot divisor	2.50



Details of Implement Shed



Area (sq.ft.)	Equipments and Machinery	
2837	Tractor (50/35/18/12HP)	04
	Straw Ripper	01
	Reversible MB plough (1 furrow and 2 furrow)	02
	Disc-plough	02
	Disc-harrow	02
	Rotavator	02
	Ridge plough	01
	Cultivator	02
	Ferti-cum-seed drill & Planters	08
	Threshing Machine	06
	Trailer	02
	Combine harvester	01
	Compost Spreader	01
Mini Combine Harvester	01	

Details of Dairy plant

Area (sq.ft.)	Equipments and Machinery	Purpose
269	Mini Dairy Plant	For the practicals, demonstrations of B. Tech. / M. Tech / Ph. D students' and their research projects.



Details of Farm pond

Area (sq.ft.)	Capacity (lit.)	Equipments and Machinery	Purpose
4306	8,94,000	Lined farm pond Submersible pump Syphon System	For irrigation to the research farm. Demonstration to students and farmers



Details of Green House, Polyhouse & Shadenet

Structures	Number	Area (sq.ft.)
Shadenet house	13	20623
Polyhouse	03	8450
Compost	02	387
Vermi compost pits	01	108



Details of batches for practical classes

B. Tech.

Sr. No	Class	Duration (h)	No. of students per practical batch
1	The field / Lab practicals	2	21
2	Demonstrative	2	21
3	Tutorials	2	64
4	Theory class	01	64

M. Tech.

Sr. No	Degree Programme	Theory Class	Practical class
1	M. Tech. (Agril. Engg)	12 (for common courses) 04 (Department wise)	12 (for common courses) 04 (Department wise)

Ph.D.

Degree Programme	Theory Class	Practical class
Ph. D. (Agril. Engg.)	02	02

Hands on Training

- Hands-on-Training is offered to **IV and VI** semester students.
- One-month Hands-on-Training every year in the **month of June**.
- The students after IV semester have to undergo a tractor training viz. CFMTTI, **Budni** (M.P.) NRFMTTI, **Hissar** (Haryana) NERFMTTI, **Sonitpur**, Assam, Tractors and Farm Equipment Ltd. Chennai etc.
- Students submit training report to the department.
- Viva-voce examination.
- **HOT list**

M. Tech. (Industrial Training)

- Hands on industry/institute training of 3-4 weeks between second and third semester
- **The industries/institutes imparting hands on training are:**
 - ✓ Regional Remote Sensing Centre, Nagpur
 - ✓ Watershed Training and Research (WOTR), Pune
 - ✓ Delft Hydraulic Institute (DHI)-India, Pune
 - ✓ Sahyadri Agro, Nashik, Hi Tech Floriculture, Pune
 - ✓ MAPRO Food Products, Wai
 - ✓ ASPEE, Mumbai, TCS, Mumbai,
 - ✓ Dilasa (NGO), Aurangabad IISWC, Agra,
 - ✓ CSWRTIRC, Udagamandalam, Gujarat, Agra
 - ✓ PHT, Ludhiana, John Deere Pvt. Ltd, Pune
 - ✓ Training Tractors and Farm Equipment Ltd. Chennai TAFE
 - ✓ NDRI, Bangalore, IMD, Pune, CITD, Hyderabad
 - ✓ HMT Limited Tractor Division, Pinjore, Haryana
 - ✓ CIAE, Bhopal, Solar Alternatives and Associated Programmes, Patana
 - ✓ CITD, Hyderabad, Agro Test and Research Centre, Rajasthan

Feedback of stakeholders

(Students, parents, industries, employers, farmers etc.)

- **Counseling System**
- **Parents' Meet**
- **Grievances Redressal System through suggestion box**
- **Farmer Scientist Forum**
- **Students Feedback about teaching**
- **In-Plant Training**
- **Feedback from industries & other partners**

Student intake and attrition in the programme for last 5 years

B. Tech.

Year	No. of students			Pass out
	Actual Intake	Attrition	Percentage	
2013-14	61	02	3.3	56
2014-15	66	01	1.5	69
2015-16	66	02	3.0	53
2016-17	64	00	00	59
2017-18	68	02	2.9	65

Student intake and attrition in the programme for last 5 years

M. Tech.

Year	No. of students			Pass out
	Actual Intake	Attrition	Percentage	
2013-14	19	--	00	5
2014-15	14	--	00	15
2015-16	12	02	16.7	16
2016-17	12	--	00	11
2017-18	13	--	00	04

Student intake and attrition in the programme for last 5 years

Ph.D.

Year	No. of students			Pass out
	Actual Intake	Attrition	Percentage	
2013-14	06	00	00	--
2014-15	06	00	00	--
2015-16	06	00	00	03
2016-17	06	01	16.7	07
2017-18	00	00	00	04

ICT Application in Curricula Delivery

- The entire faculty has adopted ICT in teaching.
- Teachers use PPT's, Videos, CD's and softwares to teach various concepts in Agricultural Engineering for better understanding.
- All classrooms are equipped with Internet, LCD projectors with electrical back up for uninterrupted power supply.
- Seminar hall and computer laboratory are having full set up with PA system for presentations.
- Four departmental computer laboratories are having softwares like ArcGIS, AutoCAD, ProE, MATLAB, ERDAS Imagine, WMS, Design Expert etc.
- The provision for video conferencing exists at seminar hall of this college.

Facilities for ICT Application in Curricula Delivery

Sr. No.	Particulars	Availability		
		Projectors	No.of unit	Plinth Area (sq.ft)
1.	Class rooms	04	04	9537
2.	Laboratory	06	08	11787
3.	Workshops	--	01	6006
4.	Seminar hall	01	01	1475
5.	Computer room	01	01	1475
6.	CAD Laboratory	01	01	1475
7.	Placement /Personality Development / Anti Ragging Cell	01	01	387
8.	Reading room	--	01	538
9.	Ladies room	--	01	387
10.	Auditorium	01	1	7535
11	Examination Hall (University facility)	--	1	21528

Facilities for ICT Application in Curricula Delivery

Department	Computers/Nodes in Offices/lab	LCD projector	Laptop	Printers	Xerox	Scanners	Other AV aids
APE	09	1	2	5	-	2	0
FMP	31	1	2	2	-	1	1
IDE	27	1	2	5	-	3	1 (magic studio) +1
SWCE	15	2	2	5	-	2	1
FSRE	57	1	4	6	-	3	1 (Smart class solution)
AR office & seminar hall	11	4	2	6	3	1	1
FIM	08	1	2	6	2	1	1(magic studio)
PFDC	05	1	2	5	1	3	2
Placement cell	01	01	0	1	-	0	-
Hostel	01	0	0	1	-	0	-
Total	165	13	18	42	6	16	9



1. College Administration

Dean's Office Establishment

Whether Dean's post has been sanctioned
by the appropriate authority as per ICAR

Model Act/UGC guideline : **Yes (Dean)**

Date of selection of present Dean : **1.10.2017**

Name and Designation : **Dr. D. D. Pawar (Dean)**

Mode of Selection : **Selection**

Status of Appointment : **Tenorial (five years)**

Secretariat of Dean of College

Sr. No.	Name of the Post	Sanctioned	Filled in	Vacant
	Dean	01	01	00
	Total	01	01	00
A	Establishment / Administrative Staff			
1	P.A./P.S./T.O/ Stenographer to Dean	01	01	00
2	Assistant Registrar	01	01	00
3	Office Superintendent	01	01	00
4	Assistant Superintendent	01	01	00
5	Senior Clerk	04	04	00
6	Junior Clerk	04	02	02
7	Steno Typist	01	01	00
8	Driver	01	01	00
09	Peon	04	02	02
	Total	19	15	04

Space distribution to the Secretariat of Dean of College

Sr. No.	Position	No	Space (sq.ft.)
1	Dean	01	409
2	Technical Officer & Stenographer	01	161
3	Assistant Registrar	01	161
4	Office Superintendent	01	108
5	Assistant Superintendent	01	108
6	Senior Clerks	01	75
7	Junior Clerks	01	65

Monitoring Mechanism for Quality Education

- **Evaluation for students-** Exam, Viva, Practicals, In Plant Training etc.
- **Evaluation for faculty-** Observation of lectures through CCTV, Periodical check on syllabus completion, attendance submission, feedback from students, Best Teacher Award feedback etc..
- **API system**
 - **Assistant Professor- stage 1 to 2**
Eligibility- Ph. D- 4 Years, M. Phil/PG- 5 Years, Non Ph. D/ M. Phil. / PG- 6 Years
Requirement- 2 Research Papers & 21 days training
 - **Assistant Professor- stage 2 to 3**
Eligibility- Assistant Professor completed 5 years in Stage-2
Requirement- Publications and 21 days training
 - **Assistant Professor- stage 3 to 4**
Eligibility- Assistant Professor completed 3 years in Stage-3
Requirement- 3 Research Papers & 2-3 weeks training
 - **Assistant Professor- stage 4 to 5**
Eligibility- Associate Professor with completed service of 3 years in stage 4
Requirement- 5 Research papers
 - **Assistant Professor- stage 5 to 6**
Eligibility- Professor with completed service of 10 years in stage 5
Requirement- Post Doctoral research outputs, awards, recognitions, D. Sc, D. Litt. Etc

-
- **SAC / BOS /ADCC /FAE** – Modifies and monitor the course curricula developed as per the needs of students Education, Research and Extension
 - **Counseling & Guidance**
 - **Student's Council**
 - **Counseling Whatsapp groups**
 - **Faculty Email & Whatsapp groups**

Teaching: Undergraduate (B. Tech.)

Regular Monitoring of Lectures

Mid Semester Evaluation

**Paper Evaluation, Special Guidance,
Academically weak students**

Semester End Result

Board of Studies, Results of each subject discussed

Innovative Suggestions/Recommendation

Faculty Meeting/Academic Council

Teaching: Post-graduate (M. Tech. / Ph. D)



Research

Research Planning



Experimental Trial



Pre- Research Review Committee



Research Review Committee



**Research Finding Recommendation
Committee**



**Joint AGRESCO
All SAUs in Maharashtra**

Feedback through industries and other partners

1. Wisconsin State University, USA
2. IWMI, Srilanka
3. AIT, Bangkok
4. Sthil India, Pune
5. M/S Sahyyadri Farmers Producer Com
Nashik
6. John Deere Pvt. Ltd., Pune
7. Delft Hydraulic Institute (DHI)
8. SAME DEUTZ-FAHR, Pune
9. Class India
10. NRC on Pomegranate



Board of Studies

Board of Studies in

**Process Engineering of Farm Products, Animal Product
By- Products and Dairy Products, Extension Education**

**Board of Studies in Farm Power and Machinery,
Workshop Technology & Mechanical Engg.**

**Board of studies in Irrigation Water Management and
Drainage Engineering**

**Board of studies in Soil and Water Conservation
Engineering including Surveying & Leveling.**

Composition of Board of Studies

Chairman	Head of the Department (Ex-Officio Chairman)
Members	<ol style="list-style-type: none">i. Professor in each subject comprised in the Board from each constituent college/departmentii. One academic staff member for each subject comprised in the Board other than Professor to be nominated by concerned Dean/Principal from his constituent/affiliated college.iii. One member from amongst the development departments and allied fields related to the concerned Board of Studies to be nominated by the Vice Chancelloriv. One progressive person having specialized knowledge about related subjects to be nominated by Vice-Chancellor.v. Chairman of concerned Board of Studies under the all agricultural universities in the State.
Member Secretary	Officer in the Department / University nominated by the Hon. Vice Chancellor, MPKV, Rahuri

Name of BOS	Total No. of meeting (2013-14 to 2017-18)
Process Engineering of Farm Products, Animal Product By- Products and Dairy Products, Extension Education	05
Board of Studies in Farm Power and Machinery , Workshop Technology & Mechanical Engg.	04
Board of studies in Irrigation Water Management and Drainage Engineering	07
Board of studies in Soil and Water Conservation Engineering including Surveying & Leveling.	03

Nominated members

Board of Studies of APE/FMPE/IDE/SWCE

- **Shri. Bhaskar Warghude**, Chairman, Farmer Scientist Forum on Protected Cultivation
- **Director General, WALMI, Aurangabad**
- **Shri. Vilas Vishnu Shinde**, Sahyadri Farmer's Producer Company Ltd. Nashik
- **Dy. General Manager, MAIDC, Ltd., Krishi bhavan, Dinkarrao Mumbai.**
- **Shri. Sanjay Bhansali**, Chairman, M/s Bhansali Agricultural Implements, Kopargaon, Dist.: Ahmednagar
- **Joint Director (Mechanization), Department of Agriculture, Central building, Pune**
- **Er. T. N. Jagatap**, Superintendent Agricultural Officer, Nashik
- **Shri. Anirudha Mirikar**, Chief Manager, Sampada Trust, WOTR, Ahmednagar

Meetings of Faculty of Agricultural Engineering

Year	Meeting	
	No. of Meeting	Date
2013-14	34 th FAE	11. 9. 2013
2014-15	35 th FAE	30.6.2014
2015-16	36 th FAE	22.9.2015
2016-17	37 th FAE	30.7.2016
2017-18	38 th FAE	18.7.2017

Anti Ragging Cell

- The college follows the guidelines of “**UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009**”.
- As per the directives from UGC Rule No. 6. 3 (a), the **Anti Ragging Committee** for this college is constituted regularly.
- Anti-ragging **boards are displayed** in the college and at hostels.
- At the time of registration all students have done registration on Anti-ragging web portal. (www.antiragging.in)
- Immediate communication whatsapp groups .
- Anti Ragging Cell of College

Ragging is a **CRIME**



Anti-Ragging Helpline No.: 1800-180-5522 (Toll free)

Anti-Ragging E-mail : helpline@antiragging.net

Dr. Annasaheb Shinde College of Agricultural Engineering & Technology
Mahatma Phule Krishi Vidyapeeth, Rahuri.

RAGGING

Also Don't Be a MUTE WITNESS OF RAGGING

What is Ragging

Any act resulting in :

- Mental / Physical / Sexual abuse
- Verbal abuse, Use of Force
- Indecent behaviour, Financial exploitation / Extortion
- Criminal intimidation / Wrongful restraint
- Undermining human dignity

Punishments to those involved in Ragging

1. Suspension from attending classes.
2. Withholding / withdrawing scholarship / fellowship
3. Debarring from appearing in any test or examination.
4. Withholding results.
5. Debarring from representing the institution in any meet, tournament, youth festival, etc.
6. Suspension / Expulsion from the hostel.
7. Cancellation of admission.
8. Rustication from the institution.
9. Expulsion from the institution and debarring from admission to any other institution.

MAKE CAMPUS RAGGING FREE.
GO AHEAD, REPORT RAGGING

Helpline No. - 9422082858 (Associate Dean), 9404210377 (Rector)
UGC ANTI RAGGING ONLINE HELPLINE NO. 1800-180-5522 (24x7 Toll Free)

Post details as per directives of UGC	Name & Designation	Position
Head of the Institution	Dr. D. D. Pawar, Dean	Chairman
Representative of Civil & Police Administration	Prof.G.R.Shete, University Security Officer	Member
Representative of Local Media	Shri.Rahiman Shaikh, Reporter of Sakal & Agro-own	Member
Representative of NGOs in youth activities	Shri.A.V.Sabare, Member Alumini Asso.	Member
Representative of Faculty Members	1. Dr. R. D. Bansod, Vice President	Member
	2. Prof. Mrs. M.S. Patwardhan, Asstt. Prof. of FSRE & Monitor of Girls Hostel	Member
Representative of Parents	Mr. Kale Prafulla	Member
	Mr. Shinde	Member
Representative of Students	1. Miss. Shinde Rutuja	Member
	2. Shri. Datir Nikhil	Member
	3.Shri. Mahesh Wable	Member
	4.Bhandari Vishwajeet	Member
Representative of Non teaching staff	Shri.E. B. Bangar, Office. Supdt. Shri.D. B. Dhage, Senior Clerk	Member
Hostel Authorities	Dr. R. N. Kenghe, Rector Dr. D. D. Khedkar, Prof. M. B. Gund Monitors	Member
Assistant Registrar	Smt. A.B. Padvi, Asstt. Registrar	Member Secretary

Anti ragging vigilance squad for year 2017-18

Date	Day	Name of Staff Members	
24/08/2017	Thursday	Prof. P.B.Kadam	Shri.S.M.H.Shaikh
25/08/2017	Friday	Dr.B.K.Gavit	Shri. V. N.Gaikwad
26/08/2017	Saturday	Dr.D.D.Khedekar	Shri.S.A.Mangalekar
27/08/2017	Sunday	Prof.M.B.Gund	Shri. Y.C.Jadhav
28/08/2017	Monday	Dr.P.T.Kolekar	Shri.S.P.Kahar
29/08/2017	Tuesday	Prof.D.M.Gaikwad	Er.N.M.More
30/08/2017	Wednesday	Dr.R.N. Kenghe	Shri.B.H.Tambe
31/08/2017	Thursday	Dr. V.P.Kad	Shri.A.N.Mali
01/09/2017	Friday	Dr.S.D.Dahiwalkar	Shri.R.V.Patil
02/09/2017	Saturday	Prof. V.D.Deshmukh	Shri.S.M.Landge
03/09/2017	Sunday	Prof.A.P.Patil	Shri.O.V.Suryawanshi
04/09/2017	Monday	Dr.S.B.Gadge	Shri.S.B.Kalamkar
05/09/2017	Tuesday	Dr.S.D.Gorantiwar	Er.S.S.Salunkhe
06/09/2017	Wednesday	Dr.A.A.Atre	Shri.P.B.Kalhapure
07/09/2017	Thursday	Dr.R.D.Bansod	Shri.P.P.Kale
08/09/2017	Friday	Dr.S.A.Kadam	Shri.E.B.Bangar
09/09/2017	Saturday	Shri.B.G.Tamnar	Mrs.A.S.Bhingardive
10/09/2017	Sunday	Dr. V.N.Barai	Shri.D.B.Dhage
11/09/2017	Monday	Dr.S.M.Nalawde	Shri.S.D.Kulthe
12/09/2017	Tuesday	Dr. T.B.Bastewad	Shri.S.B.Gite
13/09/2017	Wednesday	Mrs. Y.K.Zagade	Shri.S.R.Gadge
14/09/2017	Thursday	Shri.S.V.Agawane	Mrs.M.R.Ghule
15/09/2017	Friday	Dr.M.S.Patwardhan	Shri. Y.G.Gaikwad

Details of circulars issued for Anti Ragging vigilance squads

Sr. No	Years	Anti-ragging committee	Purpose
1	2013-14	No. CAE/ACD/Anti.Ragging.Com/1000/2013, Date-2.8.2013 No. CAE/ACD/Anti.Ragging.Com/1021/2013, Date-3.8.2013	Anti Ragging Vigilance Squad to keep close watch. To avoid Ragging / Harassment incidents
2	2014-15	No. CAE/ACD/Anti.Ragging.Com/1021/2013, Date-3.8.2013	
3	2015-16	No. CAE/AD/Ragging Rules/1425/2015, Date-7.8.2015 No. AE/ACD/Anti.Ragging.Mentors/1886/2015, Date-23.9.2015	
4	2016-17	No. CAE/ACD/Anti.Ragging.Com/1168/2016, Date-12.8.2016 No. CAE/ACD/Anti.Ragging.Com/1837/2016, Date-8.9.2016	
5	2017-18	No. CAE/ACD/Anti.Ragging.Com/1437/2017, Date-8.8.2017	

Details of proceedings in reported ragging cases

Sr. No	Subject	2013-14	2014-15	2015-16	2016-17	2017-18
1	No. of complaints of ragging received during year	Nil	Nil	Nil	Nil	Nil
2	No. of complaints disposed off during the year	Nil	Nil	Nil	Nil	Nil
3	No. of cases pending for more than 90 days	Nil	Nil	Nil	Nil	Nil
4	Number of workshops on awareness programmes against ragging conducted during the year Counselors regularly guide their wards	Nil	Nil	Nil	Nil	Nil
5	Nature of action	Nil	Nil	Nil	Nil	Nil
6	Proceedings prepared	Nil	Nil	Nil	Nil	Nil

Biological waste and disposal facility

No harmful chemical and biological waste is being generated in college.

- This college has **its own system** of collection and disposal of agricultural waste and biomass
- **NADEP type** compost pits are used.
- The college has **biomass pulverizer** to convert trash in to dust.
- Separate **committee for biological waste disposal** facility as under



Committee for biological waste disposal

Sr. No.	Name of the staff/ committee	Task
1	Dr. K. J. Kamble, Head, Dept. of APE	Chairman
2	Dr. R. N. Kenghe, Asso. Prof. , Dept. of APE	Co-ordinator
3	Dr. S. B. Gadge, Asstt. Prof. Dept. of IDE	Member
4	Dr. P. B. Kadam, Asstt. Prof. Dept. of FMPE	Member
5	Dr. B. K. Gavit, Asstt. Prof. Dept. of SWCE	Member Secretary

Institutional Ethics Committee for Experiment on Animals

- This college has adopted 100 per cent farm mechanization.
- Hence, no experiments are conducted on animals in the college and on the farm.

Committee for Prevention of Sexual Harassment of Women At Work Places

Constitution of University level Central Campus committee for prevention of sexual harassment of women at work places

Sr. No.	Name and Designation	Position
1	Smt. S.U. Bhoite, Asstt. Prof., PGI, MPKV, Rahuri	Chairman
2	Smt. S.S. Dighe, Asstt. Prof. of Agro. MPKV, Rahuri	Member
3	Smt. A.B. Padvi, Asstt. Registrar, Dr. ASCAET, Rahuri	Member
4	Smt. S.D. Nikam, Office Supdt., Dean Office, MPKV, Rahuri	Member
5	Smt. R.S. Bhoge, SRA, Entomology, MPKV, Rahuri	Member
6	Smt. V.S. Todmal (Dhge), Agril. Asstt. Entomology, Rahuri	Member
7	Smt. U.N. Borude, Asstt. Supdt. Asstt. Compt. IV, MPKV, Rahuri	Member
8	Smt. Sucheta Kulkarni, Special Executive Officer, MPKV, Rahuri	Unofficial Member
9	Smt. M.S. Patwardhan, Asstt. Prof., Dr. ASCAET, MPKV, Rahuri	Member-Secretary

Constitution of College level committee for prevention of sexual harassment of women at work places

The separate committee at college level was constituted as per the University letter No. Admn./Legal/Sexual Harassment/153/2015, dated-31.1.2015 as per details as under.

Sr. No.	Name and Designation	Position
1	Smt. A.B. Padvi, Asstt. Registrar, Dr. ASCAET, Rahuri	Chairman
2	Smt. Dr. M.S. Patwardhan, Asstt. Prof., Dr. ASCAET, Rahuri	Member
3	Shri. D.M. Gaikwad, PTI, , Dr. ASCAET, MPKV, Rahuri	Member
4	Prof. V.P. Patil, Asstt. Prof. of Maths, , Dr. ASCAET, Rahuri	Member
5	Smt. A.S. Bhingarde, Agril. Asstt. , Dr. ASCAET, MPKV, Rahuri	Member-Secretary
6	Smt. S.B. Mali, Peon, , Dr. ASCAET, MPKV, Rahuri	Member
7	Smt. Kalpana Sambhaji Bhingarde, A.P. Digras, Tal. Rahuri, Dist. Ahmednagar	Unofficial Member

Year wise meetings conducted during last five years

Sr. No	Subject	2013-14	2014-15	2015-16	2016-17	2017-18
1	Cases of Sexual harassment of women at work place	01	01	01	01	01
		Till today, no harassment cases reported in the college				

2. Faculty

Faculty Strength of College

Technical and supporting staff

Department wise technical and supporting staff

Credentials of the Faculty

Degree	Designation	Home University	Other SAU's	Outside State	Other university
B. Tech./ UG	Professor & Head	01	02	00	00
	Associate Professor	03	03	00	00
	Assistant Professor	05	02	00	05
	Total 21	09	07	00	05
M. Tech./ PG	Professor & Head	00	00	03	00
	Associate Professor	04	01	01	00
	Assistant Professor	02	03	02	05
	Total 21	06	04	06	05
Ph.D.	Professor & Head	00	00	03	00
	Associate Professor	01	03	02	00
	Assistant Professor	01	01	05	03
	Total 19	02	04	10	03

3. Learning Resources

College Library

- Students avail the facility of University Library at Central Campus.
- college has a book bank
- The department- wise books held

Department	No. of books
APE	96
FMPE	511
IDE	263
SWCE	334
REE	339
OTHERS	323
Total	1866



Laboratories

Students READY Programme

● In-plant training

- The students of VIII semester are sent for In-plant training of 4 month duration
- Govt. /private/semi govt./NGO's/Industries etc.
- List of industries.

● Hands on Training

- One month Hands-on-Training (summer placement) after IV and VI semester at various Govt./Private training institutes.
- HOT

● Educational tour

- 8-10 days duration education tours are arranged in semester break after II and IV semester.

● **Students Project**

- based on feedback and requirement from industry / farmers / Researchers / NGO's etc
- A group of 2-3 students is allotted a research project (0+6= 6 credit) during VII semester
- To provide exposure to students to acquire research methodologies, data collection, evaluation and interpretation of data and to derive conclusions.

● **Skill Development Modules**

- ✓ PHT- Canning and RTS Unit
- ✓ Dairy Plant
- ✓ Pulse mill
- ✓ Protected Cultivation Unit
- ✓ Production Workshop
- ✓ Irrigation Water Requirement Advisory Services



Success story of Er. Gajanan Kothawale

- B. Tech. in Agricultural Engineering at **Dr. ASCAET, MPKV, Rahuri. (2014)**
- Project was on “**Stochastic generation & forecasting of monthly rainfall for Rahuri region using ARIMA Models**”.
- In Plant Training in **Remote Sensing & GIS** at Indian Institute of Remote Sensing, Dehradun.
- M. Tech. in **Mathematical Modeling & Simulation** at Centre for Modeling & Simulation, SPPU,
- Working as **Data Scientist** at **Quantela Inc, Bangalore**

Experiential Learning Programme Modules from 2020-21

Dept.	Course No.	Experiential Learning Programme (ELP)
FMPE	GAE FMPE 477-1	Farm Mechanization
FMPE	GAE FMPE 477-2	Manufacturing of Agricultural Tools & Implements
SWCE	GAE SWCE 477-1	Watershed Planning, Development and Evaluation
SWCE	GAE SWCE 477-2	Design & Development of Rainwater Harvesting
IDE	GAE IDE 477-1	Planning, design and installation of pressurized irrigation systems.
IDE	GAE IDE 477-2	Maintenance and Management of Pressurized Irrigation Systems.
PFE	GAE PFE 477-1	Processing of Cereals & Pulses
PFE	GAE FS 477-1	Bamboo Processing for Value added production



ICT Application in Curricula Delivery

4. Student Development

Student intake and attrition in the programme for last 5 years

B. Tech.

Year	No. of students			Pass out
	Actual Intake	Attrition	Percentage	
2013-14	61	02	3.3	56
2014-15	66	01	1.5	69
2015-16	66	02	3.0	53
2016-17	64	00	00	59
2017-18	68	02	2.9	65
Total	325	7	10.7	302

Student intake and attrition in the programme for last 5 years

M. Tech.

Year	No. of students			
	Actual Intake	Attrition	Percentage	Pass out
2013-14	19	--	00	5
2014-15	14	--	00	15
2015-16	12	02	16.7	16
2016-17	12	--	00	11
2017-18	13	--	00	04
Total	70	2	16.7	51

Student intake and attrition in the programme for last 5 years

Ph.D.

Year	No. of students			
	Actual Intake	Attrition	Percentage	Pass out
2013-14	06	00	00	--
2014-15	06	00	00	03
2015-16	06	00	00	02
2016-17	06	01	16.7	06
2017-18	00	00	00	07
Total	24	1	17	18

ADMISSION PROCESS

UG/PG / Ph. D.

MCAER

[Conduct of CET Examination (March)]



Declaration of CET result



Online form submission (June-July)



Display of provisional merit list, grievances and display of final merit list (July-August)



**Merit list is based on
70 % marks of CET and 30 % of Degree**



**Allotment of colleges in 3/2 rounds
as per 70:30 ratio of M quota: U quota students
For UG/PG**



Report to College within 3 days of allotment



Scrutiny Committee (Document Verification)



Registration Committee (Filling of roster and other forms)



Accounts Branch (Payment of Fees)



Commencement of Classes

REGISTRATION PROCEDURE

UG/PG

Report to the college in person



Collect and Fill the roster form, Obtain the signature from Counsellor for UG student and Research Guide and Head of Section for PG Students



Pay the fees online



Registration is done upto 5 working days with late fees

ACADEMIC CALENDAR

- Academic calendar finalized by Maharashtra Agriculture University Examination Board (MAUEB).
- Circulated to university and all college.
- Planning the various academic programmes and other co-curricular activities of the student.

Conduct of Practical Classes

Name of the Degree Programme		Batch of Students in theory Class	Batch of students in practical class
B. Tech. (Agril. Engg)	1 st Year	64	21
	2 nd Year	65	21
	3 rd Year	68	22
	4 th Year	59	20
M. Tech. (Agril. Engg)	1 st Year	12 (for common courses) 04 (Department wise)	12
	2 nd Year	12 (for common courses) 04 (Department wise)	04
Ph. D. (Agril. Engg)	1 st Year	02	02
	2 nd Year	02	02
	3 rd Year	02	02

SYSTEM OF EDUCATION

UG

- Semester Pattern, Two Terms, 20 weeks
- Lectures, practicals, library reading, field work, assignments
- Student READY (Rural and Entrepreneurship Awareness Development Yojana)
- Passing of 55 % marks is compulsory
- Separate passing with 40 % marks in Theory and Practical examination from 2013-2014
- Period for completion of degree course is 8 years.
- One year extension for serious reason

Evaluation and Grading

UG Programme

Mid Semester Examination



Semester End Practical Examination



Semester End Theory



**Evaluation of Answer Sheets at
Centralized Assessment Programme**



Declaration of Result

In Plant training evaluation criteria

Sr. No.	Criteria	Corresponding Marks
1.	Attendance	200
2.	Work quality	200
3.	Maintenance of record	200
4.	Report	300
5.	Presentation	100
6.	Viva-voce(for application of Knowledge and experience)	150
7.	Work outcome (on the basis of case studies /product development etc)	100
	Total	1250

M. Tech. / Ph.D.

- Semester Pattern, Two Terms, 20 weeks
- Different courses: major, minor, supporting, seminar and non-credit course
- Residential requirement: four semesters for M. Tech. and six semesters for Ph. D.
- Maximum period to complete the degree: eight semesters for M. Tech. and twelve semesters for Ph. D.

Post-graduate: M. Tech. / Ph. D. (Agril. Engg.)

Student



```
graph TD; A[Student] --> B[Research Guide]; B --> C[Student Advisory Committee]; C --> D[Research Trial]; D --> E[Analysis, Synopsis and Thesis Writing]; E --> F[Evaluation of Thesis by External Examiner]; F --> G[Thesis viva voce and submission];
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The diagram is a vertical flowchart with seven rectangular boxes connected by downward-pointing arrows. The boxes contain the following text from top to bottom: 'Student' (red), 'Research Guide' (green), 'Student Advisory Committee' (purple), 'Research Trial' (black), 'Analysis, Synopsis and Thesis Writing' (red), 'Evaluation of Thesis by External Examiner' (red), and 'Thesis viva voce and submission' (green). A pink horizontal line is on the left of the first box, and a black horizontal bar is on the right of the first box.

Research Guide

Student Advisory Committee

Research Trial

Analysis, Synopsis and Thesis Writing

Evaluation of Thesis by External Examiner

Thesis viva voce and submission

NCC unit

- 54 cadets & 1 NCC officer.
- Every year result of 'B' & 'C' certificate examination is 100 per cent during mostly "A" grading

Year	Enrolled cadets in first year		Total	Cadets passed 'B' certificate exam	Cadets passed 'C' certificate exam	Achievement
	SD	SW				
2013-14	14	03	17	17	17	During last five years 5 NCC cadets successfully completed SSB interview and also selected as Assistant Commandant in BSF and in Arm Forces as Officers.
2014-15	15	03	18	18	18	
2015-16	15	03	18	18	18	
2016-17	16	03	19	19	19	
2017-18	14	05	19	19	19	

NCC unit



Details of NCC camp

Year	Students Enrolled for NCC Camp	Dates	Activities carried out during the camp
2013-14	25	2013	Regular paraded and drills Firing skills Tent preparation Map reading
2014-15	25	2014	
2015-16	25	2015	
2016-17	25	19 to 28 Aug. 2016	
2017-18	25	15-24 Jan. 2017	



NSS Unit

- The College has **50 students**' NSS unit.
- Every year **25 students**' Unit attend NSS Special Camp.
- Activities like **blood donation camp**, **tree plantation**, **cleaning campaign**, **awareness programmes** and rallies are organized.
- More than **1000 blood bags** have been collected through blood donation camps during last five years.



Glimpses of NSS Unit



Language Laboratory

- A **well furnished** computer laboratory is available for students.
- A set of **8+1 Language Lab** software
- **Group Discussions & Interview techniques** are also taught and practiced in placement cell.



Cultural Centre

- Well equipped with musical instruments

Octopad

Electronic Key Board

Gitar

Drums

Dholak

Harmonium

Flute

Synthesizers

Mouth organs

- In built sound system available in Auditorium.
- Interested students and staff use these instruments.
- Trained students participate in the different cultural programmes



Personality Development

- The trainings, workshops, and lectures are organized regularly.
- Stress Management, Time Management, Yoga exercise, entrepreneurship and Skill Development, etc.
- Group Discussions, interview sessions, mock interviews



Expert Lectures/ personality Development programmes

Year	Number of programmes
2013-14	04
2014-15	03
2015-16	04
2016-17	03
2017-18	04
Total	18



Adjunct Faculty

- ❑ **Dr. B. C. Mal, Professor, IIT, Kharagpur** and Ex. Vice Chancellor, Chattisgadh Swami Vivevakanand Technical University, Bhillai visited as Adjunct Faculty from August 9-15, 2014.
- ❑ He delivered a series of lectures on **Ground Water Hydrology** to staff and students.



5. Physical Facilities

Hostels

Particulars	Availability	
	No. of unit	Plinth Area (sq.ft.)
Boy's hostel	3	22598
Girl's hostel	3	38750

Hostel Authorities

Rector-01	Monitors-03	Agril. Asst.-02
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Details of hostel capacity

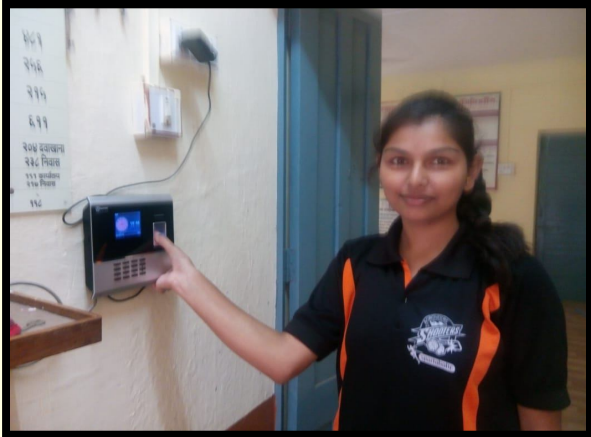
Sr. No.	Name the Hostel	Total Rooms	No. of students Accommodated	Students per room	UG/PG/Ph.D.
1.	Boys Hostel 'E'	97	79	01	Final Year B.Tech. & All M.Tech. Students
2.	Boys Hostel 'F'	97	65	01	T.Y.B.Tech, & Ph.D. Students
3.	Boys Hostel 'Vishweshwarrya'	51	86	02	F.Y.B.Tech. & S.Y.B.Tech.
4.	Girls Hostel-1 (Ladies Hostel)	19	47	03	T.Y & Final Year B.Tech girls Students
5.	Girls Hostel- 2 (Varsha Hostel)	18	44	02	F.Y & S.Y.B.Tech girls
6.	Ph.D. Hostel	06	20	03	M.Tech. and Ph.D. girls

Details of hostel facilities provided

Sr. No.	Name of Hostel	Facilities at Hostel
1.	'E & F' Hostel	T.V. Hall, Solar water heating system, Water Purifier & Cooler, Reading Hall, Internet Facility, Inverter system and Gymnasium hall. Equipped with CCTV camera
2.	Vishweshwarrya Hostel	
3.	Teachers and International Hostel	



3.	Ladies Hostel	T.V. Hall , Solar water heating system, Water Purifier & Cooler , Internet Facility, Inverter system . Biometric attendance machine and equipped with CCTV camera , Sanitary pad vending machine and disposal machine,
4.	Varsha Hostel (Girls)	
5	Ph. D Hostel	



Biometric attendance machine



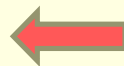
Sanitary pad vending machine



Disposal Machine



T.V. Hall



Details of Cooperative mess facility provided

Sr. No.	Name the Hostel	Facilities	Capacity	
			Seating Capacity	Total Member
1.	Boys Hostel 'Vishveshwarayya'	Kitchen room, Dining Hall, Storage room with Chest Cooler, Water Cooler.	50	200
2.	Girls Hostel	Kitchen room, Dining Hall, Storage room with Chest Cooler, Water Cooler..	32	110



Examination Hall

- College has a separate examination hall of 500 seating capacity.
- The examination hall is well equipped with internet facility, CCTV cameras and furniture.
- There are three rooms besides the examination hall for doing prior and post work of examination.
- There are also 4 lecture halls which are used for examinations



Sports and Recreation Facilities

- The college students and staff use all the university sports facilities
- Well-equipped gymnasium building
- The ground has been developed for the outdoor games viz., cricket, khokho, kabbadi, volleyball, basketball, etc.
- Indoor games like table tennis, badminton available in the gymnasium building.
- Specially for girls 1 Gymnasium, 2 Badminton Courts, 2 Table Tennis tables available



Sports and games infrastructure facilities

Sports and Games Infrastructure	Facilities available	Area (sq.ft.)
Outdoor sport		
The Gymkhana Building	GYM Badminton Court Table Tennis	11556
The total land area of the University Gymkhana premises	Following grounds available with flood lights	
Football	Football ground-1	
Kho-Kho	Kho-Kho ground-1	
Hockey	Hockey ground-1	
Cricket	Cricket ground-1	
Kabbadi	Kabbadi ground-1	
Volley ball	Court-1	
Athletics	Ground-1 400mtr track	
Basket ball	Court-1	
Indoor sport		
Chess	Hall -1	
Wrestling	Mats with cover-6	
Table Tennis	Tables-2	
Badminton	Hall-2	



Health Facility



University Dispensary

Auditorium

- AC auditorium of **300 seating capacity** which is named after **Late Dr. Annasaheb Shinde**.
- Well equipped with PA system, LCD Projector, Internet etc.
- Well equipped **N S Pawar** auditorium of **1000 capacity**.
- Additionally, college has well equipped **seminar hall** with **100 seating capacity**.



Details of use of auditorium

Sr. No	Year	Total Programmes
1.	2013-14	25
2.	2014-15	21
3.	2015-16	28
4.	2016-17	32
5.	2017-18	26
Total		132



Exhibition Hall / Museum

- **Technology Display and Information Centre (TDIC)**
- **Field Technology Display and Information Centre**



● Agricultural Implement Museum – Cum – Training Hall





6. Research Facilities



PG Laboratories and Equipments

Research Contingency

SAU grants, ICAR & State Government

Year	Departments					Total
	FMPE	APE	IDE	SWCE	REE	
2013-14	64,193	4,15,366	4,07,648	1,92,277	2,00,266	1279750
2014-15	57,038	32,522	1,34,754	33,400	24,649	282363
2015-16	–	46,673	57,120	–	–	103793
2016-17	–	1,27,302	2,10,012	1,74,312	34,590	546216
2017-18	11070	79553	349540	113155	–	553318
Total	132301	701416	1159074	513144	259505	2765440

Details of Externally Funded Projects (10)

Name of the externally funded project	Funding Agencies	Duration	Funds allotted (Rs)
National Agricultural Higher Education Project (NAHEP) ICAR, New Delhi project on “Centre for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM)”	World Bank	2017-18 To 2019-20	20 crores
RKVY Project on “Irrigation Water Requirement Advisory Service”	Department of Agriculture and Co-operation, Central Govt. through Govt. of Maharashtra	2014-15 to 2018-19	5.0 crores
RKVY Project on “Enhancement of Ground Water Recharge through Open and Bore Wells”	RKVY, Department of Agriculture and Co-operation, Central Govt. through Govt. of Maharashtra	2015-16 to 2017-18	1.39 crores
Climate Change Knowledge Network – Indian Agriculture (CCKN-IA)	Govt. of India and German International Corporation (GIZ)	2015-16 to 2017-18	As and when required

Climate Change Knowledge Network – Indian Agriculture (CCKN-IA)	Govt. of India and German International Corporation (GIZ)	2015-16 to 2017-18	As and when required
The ICAR-IWMI Collaborative Research Project on “Enhancing Economic Water Productivity in Irrigation Canal Commands”	ICAR	2017-18	7.00 lakhs
Soil Protection & Rehabilitation for food security in India (Pro-SOIL)	Govt. of India and German International Corporation (GIZ)	2015-16 to 2017-18	As and when required
Precision Farming Development Centre (Continuing)	NCPAH, Ministry of Agriculture and Farmers Welfare	1987 to 2017-18	50 lakhs Per year
MPKV Central Campus Watershed Development Programme	Adarshgram Sankalp and Prakalp Yojana Govt. of Maharashtra	2016-17 To 2019-20	1.14 crores
Bamboo Handicrafts and Art Unit	Revenue and Forestry, Govt. of Maharashtra	2018-19	33.21 Lakhs
Total			33.43 crores



7. Outcome/Output

Student Performance in National Examinations

Year	JRF	SRF	NET	ARS	GATE	Inspire / Rajiv Gandhi National Fellowship
2013-14	02	00	02	00	06	02
2014-15	04	03	10	01	05	00
2015-16	03	03	03	00	06	02
2016-17	02	00	00	00	02	00
2017-18	--	--	--	--	06	00
Total	11	06	15	01	25	04

Details of Scholarships

Year	Socail Welfare	Tribal	Central Sector	NTS	Inspire Felloship	JRF	University MCM
2013-14	126	05	--	17	08	01	--
2014-15	64	07	11	15	07	04	--
2015-16	28	07	08	16	07	03	13
2016-17	62	10	20	16	07	03	10
2017-18	70	12	18	17	09	--	04

Students Placement Profile

- The college has a Placement Unit.
- The students are guided for recruitments and higher education through the placement cell.
- Placement officer and Assistant Placement Officers
- Guest lectures for giving guidelines to MPSC/UPSC/ NET/JRF/SRF

The students secured the jobs in top positions through on and off campus interviews:

- ❖ **Tractor**- John Deere, Mahindra, New Holland, Escorts, TAFE and Sonalika
- ❖ **Irrigation companies** - Jain Irrigation, Plastro Plassan, Nagarjuna-Palma, Netafim, Agriplast, DHI, EPC, Premier, Finolex, Supreme, Kissan, Kirloskar, Crompton, KSB, Texmo etc;
- ❖ **Processing industries**- Pepsico, Reliance etc.
- ❖ **NGOs**- BAIF, WOTR, Indo German Watershed Development Programme,
- ❖ **Banks**- SBI, HDFC, AXIS, Dena, Union Bank of India, Bank of Badoda, IDBI, Kotak Mahindra, ICICI; Bank of India;
- ❖ **Retail sectors**- Reliance, Subhiksha, Spinach etc.
- ❖ **Software companies**-Infosys, IBM, TCS, Wipro, MBT etc.

Government & Private Competitive Examinations and placement

Year	UPSC	MPSC	Tractor Industry	Banking	ARS	NGO
2013-14	--	--	03	--	--	--
2014-15	--	--	03	14	01	--
2015-16	03	34	03	22	--	01
2016-17		09	07	01	--	01
2017-18	02	10	07	10	--	01
Total	05	53	23	37	01	03

Impact of In plant Training

Sr. No	Name of the Institute/ Company	Post	No.of students selected
Campus Interview			
Year-2013-14			Total
01	Mahindra & Mahindra Ltd.	Sales & service	02
02	TAFE	Sales & Service	01
Year-2014-15			Total
01	Mahindra & Mahindra R & D.	Sales & service	01
02	HDFC	Sales & service	01
03	AF FARM	Manager	01
Year-2015-16			Total
01	John Deere Equipment Pvt. Ltd.	Research Engineer	01
02	Mahindra & Mahindra Ltd.	Sales & Service	02
Year-2016-17			Total
01	Mahindra And Mahindra (AFS)	Sales & service	02
02	Captain tractor	Sales & service	02
03	SAME DEUTZ FAHR	Sales & service	01
Year 2017-18			Total
01	Mahindra & Mahindra Ltd	Sales & service	03

Students Awards

Year	Number	Level
2013-14	01	State
2014-15	02	1 National & 1 State
2015-16	--	--
2016-17	03	2 National & 1 State
2017-18	--	-
Total	07	



Sports Awards (Extra curricular competitions)

- The students of this college regularly participate in Inter-collegiate competitions and secure prizes.
- **The details of students awards**

Year	Winner	Runner
2013-14	07	02
2014-15	12	08
2015-16	05	04
2016-17	06	04
2017-18	05	04
Total	35	22



AIU sports / State-Kridamahostav / ICAR sports

Year	AIU	Ashwamedh	ICAR
2013-14	06	18	06
2014-15	08	34	08
2015-16	10	29	08
2016-17	11	15	03
2017-18	02	30	02
Total	37	126	27



Faculty Awards

Year	Academic	Non Academic	Level
2013-14	02	03	1 National & 4 State
2014-15	04	02	2 National & 4 State
2015-16	05	05	2 International, 3 Nat. & 5 State
2016-17	06	03	2 International, 4 Nat. & 3 State
2017-18	08	01	1 International , 2 Nat. And 6 State
Total	25	14	39



Details of recognition/ honors

- Faculties of this college have been recognized at **state and national level.**
- Faculties also recognized as **Key note speaker /lead speaker/Chairman Co-chairman of the Technical lesson.**
- The details of recognition and honours.

Employability

- **In Plant and Hands on Training.**
- **Research projects and guidance**
- **Industrial visits and educational tours**
- **Alumni visits and guidance**
- **Krushiksha Manch and Engineering Forum**
- **Post Graduate and Post Doctoral programme started through CAAST**

Skills learned and developed through hands on training and in-plant training

- Seed process chain.
- Packaging of different products.
- Milk and fruit processing and value added products.
- Storage structures.
- Different systems and operations of tractors and tractor mounted implements.
- Computer aided designs and modeling.
- Processes in farm machinery manufacturing.
- Design and installation of micro irrigation systems

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- Design and erecting of structures of shade net houses and playhouses.
 - Production technology and marketing of hi-tech floriculture.
 - Problems of soil erosion of different climatic zones.
 - Indigenous technologies to control soil erosion.
 - Design and installation of subsurface drainage systems
 - RS & GIS applications in irrigation water management


Alumni Association

- The Alumni Association was **formed in 1995**
- **780 alumni registered members**
- Alumni Meet in **1996, 2004, 2010 and 2014** & Organized **23rd National Convention of Agricultural Engineers.**
- Distinguished **lectures for personality development** are organized
- **Prof. Ian Smout** Ex. Direction **Water Engineering & Development Centre**, Loughborough University, UK on '**Water Security- International Perspective**'
- Alumnus **Er. Arun Deshmukh** has started a **certificate course** on **Digital Farming through NETAFIM**
- **Er. Rajeeb Kumar Roy**, Founder CEO, Agriplast has started **scholarship to 16 students (4 per year)**
- The website is available at www.agroneersrahuri.org.

MoU's in Process

1. The Indian Institute of Remote Sensing, Dehradun
2. Regional Remote Sensing Service Centre, Nagpur
3. Maharashtra Remote Sensing Application Centre, Nagpur
4. National Institute of Abiotic Stress Management, Baramati
5. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
6. Shivaji University, Kolhapur
7. M/s Deep Industries, Ahmednagar
8. M/s Eaton Corporation, USA
9. TCS, Pune
10. MAIDC, Mumbai





Thank you!