



**DEPARTMENT OF AGRICULTURAL ENGINEERING**  
**Mahatma Phule Krishi Vidyapeeth, Rahuri**  
Tal. Rahuri 413722, Dist-Ahmednagar (MS)

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Department of Agricultural Engineering is primarily engaged in imparting the instructions to B.Sc. Hons (Agri.) Students on various courses. The office of the Head of the Department of Agricultural Engineering is at the Central Campus of MPKV, Rahuri and co-ordinates the teaching and education activities of Sections of Agricultural Engineering of different Colleges of Agriculture. The Head of the Department of Agricultural Engineering also plans the education and course curricula activities of agricultural engineering subjects in coordination with the Head of the Department of Agricultural Engineering of other State Agricultural Universities.

**Sections of Agricultural Engineering:**

The Sections of Agricultural Engineering are established at various constituent Colleges to carry out the engineering activities of the Colleges with sufficient staff members as per the students' intake capacity as under:

1. RCSM College of Agriculture, Kolhapur
2. College of Agriculture, Pune
3. College of Agriculture, Dhule
4. College of Agriculture, Karad
5. College of Agriculture, Nandurbar
6. College of Agriculture, Muktainagar

**Education:**

As per all India pattern approved by the V Deans Committee, the new Syllabus have been introduced from the academic year 2017-18. Accordingly the following courses of Agricultural Engineering discipline have been incorporated in the course curriculum of B.Sc. Hons (Agri.) Degree programme to make the students well conversant with the engineering activities on the fields, as well as to create awareness about computer applications in the field of agriculture.

The semester wise course distribution of the courses along with the credits is as follows:

**A) Odd Semester:**

Sr. No.	Semester	Course No.	Credits	Title
1	I	MATH-111	2:1+1	Elementary Mathematics
2	III	COMP-111	2:1+1	Agri-informatics
3	III	ENGG-232	2:1+1	Farm Machinery and Power
4	VII	*ENGG-475	1: 0+1	RAWE Agril. Engineering
		<b>Total</b>	<b>7: 3+4</b>	

**B) Even Semester:**

Sr. No.	Semester	Course No.	Credits	Title
1	II	ENGG- 121	2: 1+1	Soil and Water Conservation Engineering
2	IV	ENGG-243	2: 1+1	Renewable Energy and Green Technology
3	VI	ENGG- 364	2: 1+1	Protected Cultivation and Secondary Agriculture
4	VIII	AEL-ENGG 485	10:0+10	Natural Resources Management (Experiential Learning)
		<b>Total</b>	<b>16:3+13</b>	

**Laboratories:**

The Sections of Agricultural Engineering have following laboratories for imparting skills on practical to the students as per SAU common syllabus pattern;

1. Surveying and Levelling
2. Soil and Water Conservation Engineering (Field Lab)
3. Farm Power and Machinery
4. Post Harvest Engineering
5. Renewable Energy
6. Computer lab
7. Mathematics

### **Research activity:**

Sections of Agricultural Engineering do not undertake any post graduate programmes. However the faculty members are on advisory committee PG students of other disciplines and guide them on the agricultural engineering aspects.

### **Extension activities:**

The staff of the Sections of Agricultural Engineering participate on various extension activities for the benefit of farmers in their locality from time to time through:

1. 1 Farmers' Rally
2. Training programmes
3. Radio Talks
4. Publications
5. face to face advise and
6. TV talks

### **Administrative activities:**

1. The Professor of Agricultural Engineering is the member of various committees formed by Office of Collectorate, Zilla Parisad and Agril Department of respective region
2. The Section of Agril Engineering is also involved in evaluation of soil Water Conservation structures constructed by Agriculture and Forest department

### **Other activities:**

In addition to teaching activities the Sections of Agricultural Engineering looks after other activities of the College with different units as per needs.

1. Estate
2. Workshop
3. Vehicle
4. Lift Irrigation project
5. EPABX
6. ARIS cell (Internet facility)