

DEPARTMENT OF AGRICULTURAL ENGINEERING

COLLEGE OF AGRICULTURE, Nandurbar

I) PREAMBLE

College of Agriculture, Nandurbar is having Agricultural Engineering Section as one of its sections for teaching, research and extension activities of Agricultural Engineering subjects. This section is also looking after the 1.16 ha of land, Watershed treatments of hilly area in Campus (4 ha) and Estate. Agricultural Engineering comprises of various branches viz. Farm Power and Machinery, Soil and Water Conservation Engineering, Irrigation and Drainage Engineering and Agricultural Process Engineering. At present this section has developing all the facilities required for teaching of all Agril. Engineering Courses.

II) TEACHING

This section is having well established laboratory of Agricultural Engineering, Language Lab and Computer Lab for conducting the practicals of various UG courses. The following table shows the semester wise course distribution at the sectional level.

UG Courses

AS per VI Dean's Committee:

a) Even Semester

No.	Sem	Course Title	Credits
1	IV	Agricultural Informatics and Artificial Intelligence	2+1=3
2	VI	Renewable Energy in Agriculture and Allied Sector	1+1=2
3	VIII	RAWE and AIA	
		Total	3+2 = 5

b) Odd Semester

Sr.	Sem	Title of course	Credits
1	MATH-111	Introductory Mathematics(need based)	1+0=1 Non- gradial
2	AE - 231	Farm Machinery and Power	1+1=2
		Total	2+1=3

AS per V Dean's Committee:

a) Even Semester

No.	Course No.	Course Title	Credits
1	ENGG – 121 (N)	Soil & Water Conservation Engineering	1+1=2
2	ENGG – 243 (N)	Renewable Energy and Green Technology	1+1=2
3	ENGG – 364 (N)	Protected Cultivation & Secondary Agriculture	1+1=2

4	ELM ENGG – 485	Natural Resources Management	0+10=10
		Total	3+13 = 16

b) Odd Semester

Sr.	Course No.	Title of course	Credits
1	ENGG-232 (N)	Farm Machinery and Power	1+1=2
2	COMP – 231 (N)	Agril-Informatics	1+1 =2
3	READY & AIA	Rural Entrepreneurship Awareness and Development Yojana & Agro- Industrial Attachment	
		Total	2+2=4

AS per IV Dean's Committee:

a) Even Semester

No.	Course No.	Course Title	Credits
1	ENGG-121(O)	Fundamentals of Soil & Water Conservation Engineering	1+1=2
2	ENGG-364(O)	Protected Cultivation & Post Harvest Technology	1+1=2
		Total	2+2 = 4

b) Odd Semester

Sr.	Course No.	Title of course	Credits
1	ENGG-232 (O)	Introduction to Computer Application	1+1=2
2	ENGG-353 (O)	Farm Power & Machinery	1+1=2
3	AE-RAWA & AIA	Agril. Engg.	0+1=1
		Total	2+3=5

c) Staff Position

S.No.	Post	Name of Faculty	Qualification	Experience
1	Assistant Professor of Agricultural Engineering	Dr. Vijay Keru Balsane	Ph.D. (SWCE)	15 years

In addition to this the Professor of Agril Engineering of the section are continuously engaged in various college activities as detailed below.

1. Maintenance and development of Agricultural Engineering, Language and Computer Lab
2. Watershed Management(CCT),Deep CCT, Loose Boulder Structure, Vanrai Bandhara, Farm Pond
3. Estate Section

III) RESEARCH

a) Seminar/workshops/conferences attended

- 1) National : 20
- 2) International : 15
- 3) Workshop : 10

IV) EXTENSION

The faculties of this section are regularly publishing popular/scientific/technical/research articles through newspapers/magazines/journals.

(Dr. Vijay Keru Balsane)

Assistant Professor of SWCE Agril.Engg.

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