

Proforma of information to be collected for the University departments/ADR/ Research satation/ for uploading on University website

1. **Name of the Department/Section :** Department of Agronomy, College of Agriculture, Dapoli, Dist. Ratnagiri (M.S.), India.
2. **About Department** (About Department HISTORICAL PERSPECTIVE OF THE DEPARTMENT)
3. **Academic Programmers:** Provide the details of each doctoral programme as
 - a. **Doctoral Programmes**

Name of the programme:

Semester No.	Term No.	Course No.	Credits	Title of the course offered by the department
I	I	Agron 601*	3+0=3	Current trends in Agronomy 3+0 = 3
I	I	Agron 604	2+0=2	Recent trends in weed management 2+0 = 2
II	II	Agron 603	2+1=3	Irrigation management 2+1 = 3
II	II	Agron 605	2+0=2	Integrated farming systems for sustainable Agriculture 2+0 = 2
II	II	Agron 607	2+1=3	Stress Crop Production (Supporting) 2+1 = 3
III	I	Agron 608*	2+0=2	Research and Publication ethics 2+0 = 2
III	I	Agron 602	2+1=3	Recent trends in crop growth and productivity (Supporting) 2+1 = 3
III	I	Agron 691	1+0=1	Doctoral Seminar 1+0 = 1
IV	II	Agron 692	1+0=1	Doctoral Seminar 1+0 = 1
		Total	17+3 = 20	
			0+75 = 75	Doctoral Research

***Compulsory Courses**

Course Curricula and syllabi:

b. Masters Programmes

Name of the programme:

Semester No.	Term No.	Course No.	Credits	Title of the course offered by the department
I	I	AGRON 501*	3+0 = 3	Modern Concepts in Crop Production
I	I	AGRON 503*	2+1=3	Principles and Practices of Weed Management
I	I	AGRON 513	2+1=3	Principles and practices of organic farming
II	II	AGRON 502*	2+1 = 3	Principles and practices of soil fertility and nutrient management
II	II	AGRON 504*	2+1 = 3	Principles and Practices of Water Management
II	II	AGRON 505	1+1=2	Conservation Agriculture
III	I	AGRON 511	2+0=2	Cropping System and Sustainable Agriculture
III	I	AGRON 512	2+1 = 3	Dryland Farming and Watershed Management
IV	II	AGRON 591	1+0 = 1	Master's Seminar
	Total		17+6=23	
		AGRON 599	0+30 = 30	Master's Research

***Compulsory Courses**

Course Curricula and syllabi:

c. Bachelor Programme

Semester No.	Term No.	Course No.	Credits	Title of the course offered by the department
I	I	AGRO 111	2 (1+1)	Fundamentals of Agronomy-I
I	I	AGRO 112	2 (1+1)	Introductory Agro-meteorology and Climate change
II	II	AGRO 123	2 (1+1)	Fundamentals of Agronomy-II
III	I	AGRO 234	2 (1+1)	Crop Production Technology-I (<i>Kharif</i> crops)
III	I	AGRO 235	2 (1+1)	Rainfed Agriculture and Watershed Management
IV	II	AGRO 246	2 (1+1)	Crop Production Technology-II (<i>Rabi</i> crops)
IV	II	AGRO 247	1 (1+0)	Farming System and Sustainable Agriculture
IV	II	AGRO 248	2 (1+1)	Principles of Organic Farming
V	I	AGRO 359	1 (0+1)	Practical Crop Production-I (<i>Kharif</i> crops)
V	I	ELE AGRO 3510	3 (2+1)	Weed Management
VI	II	AGRO 3611	1 (0+1)	Practical Crop Production-II (<i>Rabi</i> crops)
VI	II	AGRO 3612	2 (1+1)	Geo-informatics and Nanotechnology and Precision Farming
VI	II	ELE-AGM-361	3(2+1)	System Stimulation and Agro-advisory
VII	I	ELM AGRO 4713	10 (0+10)	Rural Work Experience Programme
VIII	II	ELM AGRO 4814	10 (0+10)	Organic Farming Production Technology
VIII	II	ELM AGRO 4815	10 (0+10)	Commercial production of organic inputs (Proposed)

Course Curricula and syllabi of each subject:

4. Infrastructure

a. Laboratories

b. Name of the important instruments/facilities:

- Departmental Instructional Farm : 29.57 ha
- Agrometeorological observatory
- UG practical class room : 4
- PG & Ph.D. Class room : 2
- Interactive boards : 2

Sl. No.	Name of PG Laboratory	Size	Seating capacity	Equipment housed in the laboratory
1.	Departmental laboratory			
	UG lab	8.50 m x 7.10 m = 60.35 m ²	35	<ul style="list-style-type: none"> • pH meter, EC meter, Flame Photometer and different instruments as per practical syllabus. • Maintained

				agronomic museum. <ul style="list-style-type: none"> • Computer software for crop modeling
	PG lab	10.2 m x 5.0 m = 51 m ²	15	<u>Chemical analysis of Soil and Plant samples</u> <ul style="list-style-type: none"> • pH meter, EC meter, Digestion unit, Spectrophotometer, Flame Photometer, Distillation unit (2 nos.), Leaf area meter (Computer software), precision weighing balance, Atomic Absorption Unit, sand bath (2 nos.), hot air oven etc. • Facility of statistical and crop modelling software for research data, crop data and weather data analysis. • Wi-Fi facility for faculty and students.

- a. **Photographs:** Photographs of the important instruments preferably with students using these instruments/equipments or being demonstrated.

: PHOTOGRAPHS :
: AGROMETEOROLOGICAL OBSERVATORY :



: EDUCATIONAL MUSEUM :



PVC pipes, Fittings, Accessories, Tools for Micro irrigation



Weed and Seed sample displayer in Agronomy Museum