

**B.Tech. (Agricultural Engineering): V-SEMESTER**

<b>Course</b>	<b>Agricultural Engineering</b>				<b>Code</b>	<b>AG</b>	
<b>Semester V Subject Code</b>	<b>Title</b>	<b>Hrs/Week</b>			<b>IA</b>	<b>Exam</b>	<b>Total</b>
		<b>L</b>	<b>T</b>	<b>P</b>			
<b>5AG1</b>	Farm Machinery and Equipment - II	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>5AG2</b>	Construction Technology	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>5AG3</b>	Refrigeration and Air Conditioning	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>5AG4</b>	Wells and Pumps	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>5AG5</b>	Design of Structures	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>5AG6.1</b>	Renewable Energy Sources						
<b>5AG6.2</b>	Pesticides Application and Equipment	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>5AG6.3</b>	Gulley and Ravine Control Structures						
	<b>Total</b>	18	0	0			<b>600</b>
	<b>Practical</b>						
<b>5AG7</b>	Farm Machinery and Equipment – II Lab			3	<b>45</b>	<b>30</b>	<b>75</b>
<b>5AG8</b>	Construction Technology Lab			2	<b>45</b>	<b>30</b>	<b>75</b>
<b>5AG9</b>	Refrigeration and Air Conditioning Lab			2	<b>30</b>	<b>20</b>	<b>50</b>
<b>5AG10</b>	Wells and Pumps Lab			3	<b>45</b>	<b>30</b>	<b>75</b>
<b>5AG11</b>	Design of Structures Lab			3	<b>45</b>	<b>30</b>	<b>75</b>
<b>5AGDC</b>	Discipline & Extra Curricular Activity						<b>50</b>
	<b>Total</b>	<b>18</b>	<b>0</b>	<b>13</b>			<b>1000</b>

**B.Tech. (Agricultural Engineering): VI SEMESTER**

Course Semester VI Subject Code	Agricultural Engineering				IA	Code Exam	AG Total
	Title	Hrs/Week					
		L	T	P			
<b>6AG1</b>	Drying and Storage Engineering	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>6AG2</b>	Dairy and Food Engineering	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>6AG3</b>	Computer Aided Design and Manufacturing	3	1	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>6AG4</b>	Tractor Systems and Controls	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>6AG5</b>	Irrigation Engineering	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>6AG6.1</b>	Microprocessor and Logic Circuits	3	0	0	<b>20</b>	<b>80</b>	<b>100</b>
<b>6AG6.2</b>	Food Packaging Technology						
<b>6AG6.3</b>	Ground Water Recharge Technology						
	<b>Total</b>	<b>18</b>	<b>1</b>	<b>0</b>			<b>600</b>
	<b>Practical</b>						
<b>6AG7</b>	Drying and Storage Engineering Lab			2	<b>30</b>	<b>20</b>	<b>50</b>
<b>6AG8</b>	Dairy and Food Engineering Lab			2	<b>30</b>	<b>20</b>	<b>50</b>
<b>6AG9</b>	Tractor Systems and Controls Lab			3	<b>45</b>	<b>30</b>	<b>75</b>
<b>6AG10</b>	Field Operations and Maintenance of Farm Machinery Lab			3	<b>60</b>	<b>40</b>	<b>100</b>
<b>6AG11</b>	Irrigation Engineering Lab			3	<b>45</b>	<b>30</b>	<b>75</b>
<b>6AGDC</b>	Discipline & Extra Curricular Activity						<b>50</b>
	<b>Total</b>	<b>18</b>	<b>1</b>	<b>13</b>			<b>1000</b>

**B.Tech. (Agricultural Engineering): VII SEMESTER**

Course Semester VII Subject Code	Agricultural Engineering				IA	Code Exam	AG Total
	Title	Hrs/Week					
		L	T	P			
<b>7AG1</b>	Post Harvest Engineering	3			<b>20</b>	<b>80</b>	<b>100</b>
<b>7AG2</b>	Drainage Engineering	3	1		<b>20</b>	<b>80</b>	<b>100</b>
<b>7AG3</b>	Land Development and Grading	3			<b>20</b>	<b>80</b>	<b>100</b>
<b>7AG4</b>	Food Processing Plant Design and Layout	3			<b>20</b>	<b>80</b>	<b>100</b>
<b>7AG5</b>	Greenhouse Technology	3			<b>20</b>	<b>80</b>	<b>100</b>
<b>7AG6.1</b>	Hydraulic Drive and Controls	3	1		<b>20</b>	<b>80</b>	<b>100</b>
<b>7AG6.2</b>	Watershed Planning and Management						
<b>7AG6.3</b>	Tractor Design and Testing						
	<b>Total</b>	<b>18</b>	<b>2</b>				<b>600</b>
	<b>Practical</b>						
<b>7AG7</b>	Post Harvest Engineering Lab			2	<b>30</b>	<b>20</b>	<b>50</b>
<b>7AG8</b>	Drainage Engineering Lab			2	<b>30</b>	<b>20</b>	<b>50</b>
<b>7AG9</b>	Land Development and Grading			2	<b>30</b>	<b>20</b>	<b>50</b>
<b>7AG10</b>	Food Processing Plant Design and Layout Lab			2	<b>30</b>	<b>20</b>	<b>50</b>
<b>7AGTR</b>	Practical Training and Industrial Visit			2	<b>00</b>	<b>100</b>	<b>100</b>
<b>7AGPR</b>	Project - I			2		<b>50</b>	<b>50</b>
<b>7AGDC</b>	Discipline & Extra Curricular Activity						<b>50</b>
	<b>Total</b>	<b>18</b>	<b>2</b>	<b>12</b>			<b>1000</b>

**B.Tech. (Agricultural Engineering): VIII SEMESTER**

Course Semester VIII Subject Code	Agricultural Engineering				IA	Code Exam	AG Total
	Title	Hrs/Week					
		L	T	P			
<b>8AG1</b>	Principles of Food Preservation	3			<b>20</b>	<b>80</b>	<b>100</b>
<b>8AG2</b>	Remote Sensing and GIS	3			<b>20</b>	<b>80</b>	<b>100</b>
<b>8AG3</b>	Farm Power and Machinery Management	3			<b>20</b>	<b>80</b>	<b>100</b>
<b>8AG4.1</b>	Agri. Business Management and Entrepreneurship Development	3			<b>20</b>	<b>80</b>	<b>100</b>
<b>8AG4.2</b>	Minor Irrigation and Command Area Development						
<b>8AG4.3</b>	Horticultural Crop Processing						
	<b>Total</b>	<b>12</b>	<b>0</b>	<b>0</b>			<b>400</b>
	<b>Practical</b>						
<b>8AG5</b>	Principles of Food Preservation Lab			3	<b>30</b>	<b>20</b>	<b>50</b>
<b>8AG6</b>	Remote Sensing and GIS Lab			3	<b>45</b>	<b>30</b>	<b>75</b>
<b>8AG7</b>	Farm Power and Machinery Management Lab			3	<b>45</b>	<b>30</b>	<b>75</b>
<b>8AG8</b>	Watershed Planning and Management LAB			3	<b>30</b>	<b>20</b>	<b>50</b>
<b>8AGSM</b>	Seminar			2	<b>60</b>	<b>40</b>	<b>100</b>
<b>8AGPR</b>	Project - II			2	<b>120</b>	<b>80</b>	<b>200</b>
<b>8AGDC</b>	Discipline & Extra Curricular Activity						<b>50</b>
	<b>Total</b>	<b>12</b>	<b>0</b>	<b>16</b>			<b>1000</b>

## Semester wise Consolidated sheet

S .No.	Semester	Credit hours/week		Total
		Theory + Tutorial	Practical	
5	V	18	13	31
6	VI	18+1	13	32
7	VII	18+2	12	32
8	VIII	12	16	28
	<b>Total</b>	<b>69</b>	<b>54</b>	<b>124</b>