

Curriculum Session 2017-18

School Name : School of Engineering & Information Technology

Programme Name : B.Tech.

Branch : Agricultural Engineering

SEMESTER : I						
S.NO.	COURSE CODE	COURSE NAME	L	T	P	C
1	MAT 101	Mathematics-I	3	1	-	4
2	PHY 101/CHY 101	Modern Physics/General Chemistry	3	1	-	4
3	EEE 101/ ECE 101	Basic Electrical Engineering/Basic Electronics Engineering	3	-	-	3
4	CSE 101/ MEE 101	Computer System & Programming in C/Engineering Mechanics	3	-	-	3
5	EVS 101/ PSY 101	Environmental Science/Sociology and Psychology	3	-	-	3
6	CSE 151/ MEE 151	Computer System & Programming Lab/ Engineering Mechanics Lab	-	-	2	1
7	EEE 151 / ECE 151	Electrical Engineering Lab/ Electronics Engineering Lab	-	-	2	1
8	MEE 153 / MEE 155	Computer Aided Engineering Graphics Lab/ Product Realization through Manufacturing	-	-	4	2
9	PHY 151 / CHY 151	Modern Physics Lab/ General Chemistry Lab	-	-	2	1
10	BLL 151	Life Skill (Communication Skill)	-	-	4	2
TOTAL NO. OF CREDITS						24
SEMESTER : II						
S.NO.	COURSE CODE	COURSE NAME	L	T	P	C
1	MAT 102	Mathematics-II	3	1	-	4
2	PHY 101/CHY 101	Modern Physics/General Chemistry	3	1	-	4
3	EEE 101/ ECE 101	Basic Electrical Engineering/Basic Electronics Engineering	3	-	-	3
4	CSE 101/ MEE 101	Computer System & Programming in C/Engineering Mechanics	3	-	-	3
5	EVS 101/ PSY 101	Environmental Science/Sociology and Psychology	3	-	-	3
6	CSE 151/ MEE 151	Computer System & Programming Lab/ Engineering Mechanics Lab	-	-	2	1
7	EEE 151 / ECE 151	Electrical Engineering Lab/ Electronics Engineering Lab	-	-	2	1
8	MEE 153 / MEE 155	Computer Aided Engineering Graphics Lab/ Product Realization through Manufacturing	-	-	4	2
9	PHY 151 / CHY 151	Modern Physics Lab/ General Chemistry Lab	-	-	2	1
10	BLL 152	Life Skill (Human Behaviour)	-	-	4	2
TOTAL NO. OF CREDITS						24
III SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT 201	Mathematics III	3	1	0	4
2	MEE 201	Fluid Mechanics & Machinery	3	0	0	3
3	AGR 201	Farm Machinery	3	0	0	3
4	MEE 205	Engineering Thermodynamics	3	0	0	3
5	CLE 207	Strength of Material	3	0	0	3
6	CLE 203	Surveying	3	0	0	3
7	MEE 251	Fluid Mechanics & Machinery Lab	0	0	2	1
8	CLE 251	Surveying Lab	0	0	2	1
9	MEE 253	Engineering Thermodynamics Lab	0	0	2	1
10	BLL 251	Life Skill (Technical Communication)	0	0	4	2
Total credits						24

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IV SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT 202	Statistical and Numerical Methods	3	0	2	4
2	AGR 202	Irrigation & Drainage Engg	3	0	0	3
3	MEE 208	Theory of Machines	3	0	0	3
4	MEE 209	Instrumentation and Control Engineering	3	0	0	3
5	CLE 202	Soil Mechanics	3	0	0	3
6	MEE 206	Thermal Engineering (Refrigeration & Air Conditioning)	3	0	0	3
7	AGR 252	Irrigation & Drainage Engg Lab	0	0	2	1
8	MEE 258	TOM Lab	0	0	2	1
9	CLE 256	Soil Mechanics Lab				
10	MEE 257	Instrumentation and Control Engineering Lab	0	0	2	1
11	BLL 252	Life Skill (Soft Skill)	0	0	4	2
Total credits						24
V SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MEE 301	Machine Design	3	0	0	3
2	AGR 301	Soil & Water Conservation	3	0	0	3
3	AGR 303	Farm power	3	0	0	3
4		Open Elective -I	0	0	4	2
5		Programme Elective- I	3	0	0	3
6	MEE 307	Heat & Mass Transfer	3	0	0	3
7	AGR 351	Soil & Water Conservation Lab	0	0	2	1
8	MEE 355	Heat & Mass Transfer Lab	0	0	2	1
9	AGR 353	Farm power Lab	0	0	2	1
10	BLL 351	Life Skill (Aptitude Building)	0	0	4	2
11	AGR 355	Technical Proficiency in Agricultural Engineering I	0	0	2	1
Total credits						23
VI SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	AGR 302	Dairy & Food Engineering	3	0	0	3
2	AGR 304	Tractor System Control	3	0	0	3
3	MEE 302	Industrial Management and Entrepreneurship	3	0	0	3
4		Programme Elective- II	3	0	0	3
5		Programme Elective- III	3	0	0	3
6		Open Elective -II	3	0	0	3
7	AGR 354	Tractor System Control Lab	0	0	2	1
8	AGR 352	Dairy & Food Engineering Lab	0	0	2	1
9	AGR 356	Technical Proficiency in Agricultural Engineering II	0	0	2	1
10	CAC 300	Campus To Corporate	0	0	4	2
Total credits						23

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VII SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	AGR 401	Soil & water conservation structure	3	0	0	3
2	AGR 403	Ground water & well pump Engg	3	0	0	3
3	AGR 405	Engineering Hydrology	2	0	0	2
4		PROGRAMME ELECTIVE -IV	3	0	0	3
5		PROGRAMME ELECTIVE -V	3	0	0	3
6	AGR 407	Drying and Storage Engineering	3	0	0	3
7	AGR 451	Soil & water conservation structure Lab	0	0	2	1
8	AGR 453	Technical proficiency in Agricultural Engg III	0	0	2	1
9	AGR 400	Industrial Internship	0	0	0	2
Total credits						21
VIII SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	AGR 402	Project Work	-	-	-	20
Total credits						20
OPEN ELECTIVE-I						
Sl. No.	Course Code	Course Title	L	T	P	C
1	AGR 305	Remote Sensing & GIS	2	0	0	2
2	AGR 307	Waste & by Product Utilization	2	0	0	2
3	AGR 309	Precision Farming Techniques for Protected Cultivation	2	0	0	2
OPEN ELECTIVE-II						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CSE 312	Cloud Computing	3	0	0	3
2	CSE 310	Internet of Things	3	0	0	3
3	ECE 306	Robotics and Automation	3	0	0	3
4	ECE 308	Renewable Energy Resources	3	0	0	3
PROGRAMME ELECTIVE - I						
Sl. No.	Course Code	Course Title	L	T	P	C
1	AGR 311	Watershed Planning & Management	3	0	0	3
2	AGR 313	Land Development Machinery	3	0	0	3
3	AGR 315	Minor Irrigation and Command area Development	3	0	0	3

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PROGRAMME ELECTIVE-II			3	0	0	3
Sl. No.	Course Code	Course Title	L	T	P	C
1	AGR 306	Seed Process Engg	3	0	0	3
2	AGR 308	Micro Irrigation System Design	3	0	0	3
3	AGR 310	Design of Agricultural Machinery	3	0	0	3
PROGRAMME ELECTIVE-III			3	0	0	3
Sl. No.	Course Code	Course Title	L	T	P	C
1	AGR 312	Food Packaging Technology	3	0	0	3
2	AGR 314	Ground water & well pump Engg	3	0	0	3
3	AGR 316	Testing Agricultural Machinery & Tractor	3	0	0	3
PROGRAMME ELECTIVE-IV						
Sl. No.	Course Code	Course Title	L	T	P	C
1	AGR 409	Wasteland Development	3	0	0	3
2	AGR 411	Agricultural Structure & Environmental Control	3	0	0	3
3	AGR 413	Post- Harvest Engineering of Horticultural, Medicinal and Aromatic Crops	3	0	0	3
PROGRAMME ELECTIVE-V						
Sl. No.	Course Code	Course Title	L	T	P	C
1	ECE 427	Renewable Energy Sources	3	0	0	3
2	AGR 415	Food Processing Plant Design & Layout	3	0	0	3
3	AGR 417	Tractor Design Principle	3	0	0	3