

B. Tech. (Agricultural Information Technology): 2011 Syllabus

I Year I Semester

Sl.No.	Course No.	Course Title	Credit Hours
1.	PHY152	Basic Electronics	2+1
2.	PBG 151	Concepts of Genetics and Crop Breeding	2+1
3.	COM 111	Fundamentals of Information Technology	1+1
4.	MAT 111	Applied Mathematics	1+1
5.	AIT 101	Fundamentals of Computers and Operating Systems	2+1
6.	AIT 102	Computer Organization and Architecture	2+1
7.	ENG 101	English for effective communication	0+1
8.	NSS /NCC 101	National Service Scheme/ National Cadet Corps	0+1
9.	PED 101	Physical Education	0+1
Total			10+9=19

I Year II Semester

S. No	Course No.	Course title	Credit hrs
1.	HOR 111	Fundamentals of Horticulture	1+1
2.	AGR151	Production of Agricultural Crops	2+1
3.	AGR 102	Fundamentals of Agricultural Meteorology	1+1
4.	AEC 101	Principles of Agricultural Economics	1+1
5.	MAT 151	Numerical Mathematics	2+1
6.	AIT 103	Design and Analysis of Algorithms and Data Structures	2+1
7.	AIT 104	Probability and Information Systems	2+1
8.	COM 151	Linux Operating Systems and Computer Networks	2+1
Total			13+8=21

II Year III Semester

Sl. No.	Course No.	Course Title	Credit Hours
1.	SAC 201	Fundamentals of Soil Science	2+1
2.	ARM 251	e-Commerce, Retailing and Entrepreneurship	2+1
3.	ARM 252	Supply Chain Management	2+1
4.	AIT 201	Compiler Design and Programming Languages	2+1
5.	AIT 202	Computer Graphics, 3D Modeling and Visualization and Applications	2+1
6.	COM 252	Database Management System	1+1
7.	HOR 251	Plantation Management	1+1
8.	MAT 252	Mathematics for Agricultural Information Technology	2+1
		Total	14+8=22

II Year IV Semester

Sl.No.	Course No.	Course Title	Credit Hours
1	SST 201	Principles of Seed Technology	2+1
2	ABT 201	Principles of Biotechnology	1+1
3	STA 211	Applied statistics	1+1
4	AIT 203	Java Programming	2+1
5	AIT 204	CAD and Multimedia Technology	2+1
6	AIT 205	Applications of RFID and WI-FI Technology	2+1
7	ARM 253	Enterprise Resource Planning	2+1
8	MAT 251	Operations Research	2+1
		Total	14+8=22

III Year V Semester

Sl.No.	Course No.	Course Title	Credit Hours
1	NST 301	Fundamentals and Applications of Nanotechnology	1+0
2	ABT 301	Applied Plant Biotechnology	1+1
3	RSG 351	Geographic Information System and its Application in Agriculture	2+1
4	AIT 301	Parallel Processing, Super Computing and Applications	2+1
5	AIT 302	Operations Research Algorithms	2+1
6	AIT 303	Open Source Databases and Knowledge Discovery Database (KDD)	2+1
7	ARM 351	Commodity Market Analysis	2+1
8	ARM 352	Project Management and Business Consultancy	2+1
9	AEC 351	Econometric Modeling	1+1
		Total	15+8=23

III Year VI Semester

Sl.No.	Course No.	Course Title	Credit Hours
1	RSG 352	Remote Sensing and its Applications in Agriculture	2+1
2	AEX 301	Extension Methodologies and Transfer of Agricultural Technology	1+1
3	AEC 302	Agricultural Marketing, Trade and Prices	1+1
4	ENG 301	Soft Skills for Employability	0+1
5	SAC 302	Soil Resource Inventory and Problem Soils	2+1
6	ENS 351	Environment Management	2+1
7	MAT 351	Discrete Mathematics	2+1
8	EXP 301	Experiential Learning –I	0+5
		Total	10+12=22

IV Year VII Semester

Sl.No.	Course No.	Course Title	Credit Hours
1	AIT 401	Internship	0+6
2	AIT 402	Industrial, Institutional and Educational Tour	0+1
3	AIT 403	Project work	0+4
		Total	0+11=11

IV Year VIII Semester

Sl.No.	Course No.	Course Title	Credit Hours
1	AEC 451	Time Series Analysis and Price Forecasting	1+1
2	AIT 404	Designing and Programming LMS (Learning Management System)	2+1
3	AIT 405	Knowledge Process Outsourcing	2+1
4	AIT 406	Knowledge Resources and e-Learning Systems	2+1
5	AIT 407	Design and Management of Web Portals	2+1
	EXP 401	Experiential Learning-II	0+5
6	TAM 401/ ENG 401	,yf;fpa';fspy; ntshz;ika[k; mwptpay; jkpH;g; gadhf;fKk; /Development Education – for non Tamil students	0+1
		Total	8+10=18

ABSTRACT

Semester	No. of courses	Credit hours
I	9	$10+9=19$
II	8	$13+8=21$
III	8	$14+8=22$
IV	8	$14+8=22$
V	9	$15+8=23$
VI	8	$10+12=22$
VII	3	$0+11=11$
VIII	6	$9+11=20$
Total	59	$85+75=160$