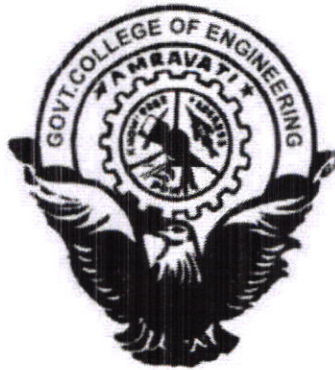


**GOVT. COLLEGE OF ENGINEERING,
AMRAVATI**



**B. TECH. (Information Technology)
Second Year Curriculum
Department of Information Technology
2020-21**

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GOVERNMENT COLLEGE OF ENGINEERING, AMRAVTI.

**Department of Information Technology. Proposed
Scheme for B. Tech. (Information Technology) SEM III**

Category	Course Code	Name of the Course	Teaching Scheme				Evaluation Scheme						Credits
			Theory Hrs/week	Tutorial Hrs/week	Practical Hrs/week	Total	MSE	TA	ESE	ICA	ESE	Total	
PCC	ITU321	Computer Organization & Architecture	3	-	-	3	30	10	60	--	--	100	3
PCC	ITU322	Data Structure & Algorithms	4	--	-	4	30	10	60	--	--	100	4
ESC	ITU323	Digital Logic Design	3	-	-	3	30	10	60	--	--	100	3
BSC	SHU321B *SHU322B	Transform and Linear Algebra Differential Equation and Transform	3	1	--	4	30	10	60	--	--	100	4
MC	SHU323	Introduction to Constitution of India	1	--	-	1	--	20	30	-	--	50	-
HSMC	SHU324	Effective Technical Communication	3	-	-	3	30	10	60	--	--	100	3
PCC-LC	ITU324	Data Structure & Algorithms Lab	-	-	2	2	--	--	--	25	25	50	1
ESC-LC	ITU325	Digital Logic Design Lab	-	--	2	2	--	--	--	25	25	50	1
PCC-LC	ITU326	Object Oriented Technology Lab	2	--	4	6	--	--	--	50	50	100	4
Total			19	1	08	28	150	70	330	100	100	750	23

* For Direct second year admitted students

SEM IV

Category	Course Code	Name of the Course	Teaching Scheme				Evaluation Scheme						Credits
			Theory Hrs/week	Tutorial Hrs/week	Practical Hrs/week	Total	MSE	TA	ESE	ICA	ESE	Total	
PCC	ITU421	Discrete Mathematics	3	1	--	4	30	10	60	--	--	100	4
PCC	ITU422	Database Management Systems	3	--	--	3	30	10	60	--	--	100	3
PCC	ITU423	Operating System	3	--	--	3	30	10	60	--	--	100	3
PCC	ITU424	Design & Analysis of Algorithms	3	--	--	3	30	10	60	--	--	100	3
HSMC	ITU425	Organizational Behavior	3	--	--	3	30	10	60	--	--	100	3
MC	SHU422	Environmental Studies	1	--	--	--	--	20	30	--	--	50	-
PCC-LC	ITU426	Database Management Systems Lab	--	--	2	2	--	--	--	25	25	50	1
PCC-LC	ITU427	Operating System Lab	--	--	2	2	--	--	--	25	25	50	1
PCC-LC	ITU428	Design & Analysis of Algorithms Lab	--	--	2	2	--	--	--	25	25	50	1
PCC-LC	ITU429	Python Programming Lab	--	--	4	4	--	--	--	25	25	50	2
Total			16	1	10	27	150	70	330	100	100	750	21

TA : Teacher Assessment

CT: Class Tests

ESE: End Semester Examination

ICA: Internal Continuous Assessment

Department of Information Technology
Proposed Scheme for B. Tech.
(Information Technology) SEM V

Category	Course Code	Name of the Course	Teaching Scheme			Evaluation Scheme					Credits			
			Theory Hrs/week	Tutorial Hrs/week	Practical Hrs/week	Total	MSE	TA	ESE	ICA		ESE	Total	
PCC	ITU521	Software Engineering	3	1	-	4	30	10	60	---	---	---	100	4
PCC	ITU522	Computer Network	3	---	-	3	30	10	60	---	---	---	100	3
PCC	ITU523	Formal Languages & Automata Theory	3	1	-	4	30	10	60	---	---	---	100	4
PCC	ITU524	Machine Learning	3	---	-	3	30	10	60	---	---	---	100	3
PEC	ITU525	Program Elective- I	3	---	-	3	30	10	60	---	---	---	100	3
PCC	ITU526	Data Warehousing & Data Mining	3	1	-	4	30	10	60	---	---	---	100	4
PCC-LC	ITU527	Computer Network Lab	-	---	2	2	---	---	---	25	25	---	50	1
PCC-LC	ITU528	Machine Learning Lab	-	---	2	2	---	---	---	25	25	---	50	1
PCC-LC	ITU529	Software Engineering Lab	-	---	2	2	---	---	---	25	25	---	50	1
PCC-LC	ITU530	Data Warehousing & Data Mining Lab	-	---	2	2	---	---	---	25	25	---	50	1
		Total	18	3	8	29	180	60	360	100	100	---	800	25

SEM VI

Category	Course Code	Name of the Course	Teaching Scheme			Evaluation Scheme					Credits			
			Theory Hrs/week	Tutorial Hrs/week	Practical Hrs/week	Total	MSE	TA	ESE	ICA		ESE	Total	
PCC	ITU621	Geo Spatial Technologies	3	---	-	3	30	10	60	---	---	---	100	3
PCC	ITU622	Artificial Intelligence	3	1	-	4	30	10	60	---	---	---	100	4
PEC	ITU623	Program Elective- II	3	---	-	3	30	10	60	---	---	---	100	3
PEC	ITU624	Program Elective- III	3	---	-	3	30	10	60	---	---	---	100	3
PCC	ITU625	Cloud Computing	3	---	-	3	30	10	60	---	---	---	100	3
OEC	ITU626	Open Elective-I	3	---	-	3	30	10	60	---	---	---	100	3
PCC-LC	ITU627	Geo Spatial Technologies Lab	-	---	2	2	---	---	---	25	25	---	50	1
PCC-LC	ITU628	Artificial Intelligence Lab	-	---	2	2	---	---	---	25	25	---	50	1
PCC-LC	ITU629	Web & Internet Technology Lab	-	---	4	4	---	---	---	25	25	---	50	2
PCC-LC	ITU630	Minor Project	-	---	6	6	---	---	---	50	50	---	100	3
		Total	18	1	14	33	180	60	360	125	125	---	850	26

TA :Teacher Assessment CT :Class Tests

ESE: End Semester Examination

ICA :Internal Continuous Assessment

Program Elective- I ITU526

- A) Information Retrieval
- B) Parallel Architecture
- C) Internet of Things

Program Elective- II ITU623

- A) Web Mining
- B) Parallel Programming
- C) Wireless & Mobile Computing

Program Elective- III ITU624

- A) Network Architecture and Wireless Protocols
- B) Software Project Management- Industry Perspective
- C) Distributed Computing