

Government College of Engineering, Karad
(An Autonomous Institute of Government of Maharashtra)
B. Tech. Final Year – Information Technology

Curriculum Structure

Semester – VII (Revised from 2019-20)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Credits	EXAM SCHEME				
									CT1	CT2	TA/CA	ESE	TOTAL
1	PC	IT1701	Software Testing and Quality Assurance	3	-	-	3	3	15	15	10	60	100
2	PC	IT1702	Internet of Things	3	-	-	3	3	15	15	10	60	100
3	PC	IT1703	Information Retrieval	3	1	-	4	4	15	15	10	60	100
4	PE	IT17*4	Elective I	3	-	-	3	3	15	15	10	60	100
5	PC	IT1705	Software Testing and Quality Assurance Lab	-	-	2	2	1	-	-	50	-	50
6	PC	IT1706	Internet of Things Lab	-	-	2	2	1	-	-	50	-	50
7	PC	IT1707	Advanced Software Technology Lab I	2	-	4	6	4	-	-	50	50	100
8	PC	IT1708	Seminar	-	-	1	1	1	-	-	50	-	50
9	PC	IT1709	Industrial Training/ Mini Project	-	-	-	-	2	-	-	50	-	50
10	PC	IT1710	Principles of Information Technology Management	3	-	-	3	3	15	15	10	60	100
11	PC	IT1711	Cloud Computing	3	-	-	3	3	15	15	10	60	100
12	PC	IT1712	Cloud Computing Lab	-	-	2	2	1	-	-	50	-	50
			Total	20	1	11	32	29	90	90	360	410	950

* - Elective- I list is provided at the end of structure.

SEMINAR: There will be two presentations, first will be based on Industrial training and another on topic to be selected in consultation with guide.

CT1 - Class Test 1

CT2 - Class Test 2

TA/CA - Teacher Assessment/Continuous Assessment

ESE - End Semester Examination (For Laboratory: End Semester Performance)

Credits Distribution

Course Category	HS (Hum. And So.	BS(Basic Sc.)	ES(Engg. Sc.)	PC (Programme)	PE(P Programme Electives)	OE (Open Elective)	(Mandatory)
Credits	-	-	-	26	3	-	-
Cumulative	9	21	28	111	3	3	-



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B. Tech. Final Year – Information Technology

Curriculum Structure

Semester – VIII (Revised from 2019-20) (Academic Mode)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Credits	EXAM SCHEME				TOTAL
									CT1	CT2	TA/CA	ESE	
1	PE	IT18*3	Elective II	4	-	-	4	4	15	15	10	60	100
2	PE	IT18*4	Elective III	3	-	-	3	3	15	15	10	60	100
3	PE	IT18*6	Elective III Lab	-	-	2	2	1	-	-	50	-	50
4	PC	IT1807	Advanced Software Technology Lab II	2	-	2	4	3	-	-	50	50	100
5	PC	IT1808	Project	-	-	7	7	12	-	-	150	150	300
Total				09	-	11	20	23	30	30	270	320	650

*- Elective- II & III list is provided at the end of structure

CT1- Class Test 1

TA/CA- Teacher Assessment/Continuous Assessment

CT2- Class Test 2

ESE- End Semester Examination (For Laboratory: End Semester Performance)

Credits Distribution

Course Category	HS (Hum. And So. Sic)	BS(Basic Sc.)	ES(Engg. Sc.)	PC (Programme Core)	PE(PProgramme Electives)	OE (Open Elective)	MC (Mandatory)
Credits	-	-	-	15	8	-	-
Cumulative	9	21	28	126	11	3	-



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B. Tech. Final Year – Information Technology
Curriculum Structure

Semester – VIII (Revised from 2019-20) (Industry Mode)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Credits	EXAM/SCHEME			
									CT1	CT2	TA/CA	ESE
1	MOOC	IT1801	MOOC-1	-	-	-	-	4	-	-	-	-
2	MOOC	IT1802	MOOC-2	-	-	-	-	4	-	-	-	-
3	PC	IT1803	Project	-	-	-	-	15	-	-	150	150
Total				-	-	-	-	23	-	-	-	300

CT1- Class Test 1
CT2- Class Test 2

TA/CA- Teacher Assessment/Continuous Assessment
ESE- End Semester Examination (For Laboratory: End Semester Performance)

Credits Distribution

Course Category	HS (Hum. And So. Sic)	BS(Basic Sc.)	ES(Engg. Sc.)	PC (Programme Core)	PE(Programme Electives)	OE (Open Elective)	MC (Mandatory Course)	MOOC
Credits	-	-	-	15	-	-	-	8
Cumulative	9	21	28	126	03	3	-	8



Government College of Engineering, Karad
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Programme: Information Technology

List of Electives offered by IT Department (Revised from 2019-20)

Open Elective	Elective I	Elective II	Elective III	Elective III Lab
Semester - VI	Semester - VII	Semester - VIII	Semester - VIII	Semester - VIII
OE641 Web Technology	IT1714 Artificial Intelligence	IT1813 Soft Computing	IT1814 Parallel Computing	IT1816 Parallel Computing Lab
	IT1724 Mobile Computing	IT1823 Bioinformatics	IT1824 Ethical Hacking and Digital Forensics	IT1826 Ethical Hacking and Digital Forensics Lab
	IT1734 Human Computer Interface	IT1833 Enterprise Resource Planning	IT1834 Gaming Architecture and Design	IT1836 Gaming Architecture and Design Lab
		IT1843 Science of Design		

