

**STATE BOARD OF TECHNICAL EDUCATION AND TRAINING
TELANGANA :: HYDERABAD**

From
DrC.Srinath,
M. Tech, Ph.D, MBA., LL.M.,
Secretary,
State Board of Technical Education
& Training, Sankethika Vidya Bhavan,
MasabTank, Hyderabad-500028.

To
The Principals of
Government/Private
Polytechnics in the state of
Telangana.

Sir,

Sub:- SBTET-Academics- List of Electives in V Semester under C-21
curriculum - Certain information on elective courses -
Regarding.

Ref:- Note No. #06 approved by the chairman SBTET.

With reference to the subject and reference cited above, the V
semester Elective courses under C-21 curriculum are enclosed herewith.

In this connection, all the Principals are hereby requested to inform
concerned Head of Sections/staff for choosing any one course from 1st and
2nd electives in V semester as per the annexure enclosed.

(This has the approval of Chairman, SBTET)

Encl: Annexure

Yours faithfully,

Signed by Dr. C. Srinath
Date: 08-05-2023 15:37:31
Reason: Approved
SECRETARY

Copy to the Joint Secretary/Controller of Examinations for information.

Annexure

C-21 V semester Elective Subjects (Choose one course from each elective)

Sl. NO.	Branch_Code	Electives	Subject_Code	Subject Name	Subject Type
1	AA	1st Elective	AA-574	Urban Planning	Theory
2	AA		CE-584	Green Buildings and Energy Conservation	Theory
3	AA	2nd Elective	AA-575	Sketch Up Lab	Practical
4	AA		AA-585	3Ds Max Lab	Practical
5	AI	1st Elective	AI-574	Internet of Things	Theory
6	AI		CS-584	Android Programming	Theory
7	AI	2nd Elective	AI-575	Cloud Computing	Theory
8	AI		AI-585	Information Security	Theory
9	AI	3rd Elective	AI-578	Internet of Things Lab	Practical
10	AI		CS-588	Android Programming Lab	Practical
11	AU	1st Elective	AU-574	Automobile Servicing and Maintenance	Theory
12	AU		AU-584	Production Technology	Theory
13	AU		EE-594	Electric Vehicles	Theory
14	AU	2nd Elective	AU-575	Farm Tractors and Special Types of Vehicles	Theory
15	AU		AU-585	Motor Transport Organisation	Theory
16	BM	1st Elective	BM-574	Medical Implants Engineering	Theory
17	BM		EC-584	Basics of VLSI Circuits	Theory
18	BM	2nd Elective	EC-575	Cyber Physical Systems and Internet of Things	Theory
19	BM		EC-585	Digital Circuit Design using Verilog HDL	Theory

Sl. NO.	Branch_Code	Electives	Subject_Code	Subject Name	Subject Type
20	CCB	1st Elective	CS-574	.Net Programming Through C#	Theory
21	CCB		CS-584	Android Programming	Theory
22	CCB	2nd Elective	CS-575	Artificial Intelligence	Theory
23	CCB		CS-585	Cryptography and Network Security	Theory
24	CCB	3rd Elective	CS-578	.Net Programming Through C# Lab	Practical
25	CCB		CS-588	Android Programming Lab	Practical
26	CCP	1st Elective	CCP-574	Human Resource Management	Theory
27	CCP		CCP-584	Basics of Foreign Trade	Theory
28	CCP	2nd Elective	CCP-575	Insurance	Theory
29	CCP		CCP-585	Mercantile Law	Theory
30	CE	1st Elective	CE-574	Steel Structures	Theory
31	CE		CE-584	Green Buildings and Energy Conservation	Theory
32	CE	2nd Elective	CE-575	Soil Mechanics	Theory
33	CE		CE-585	Theory of Structures	Theory
34	CH	1st Elective	CH-574	Instrumentation and Process Control	Theory
35	CH		CH-584	Industrial Safety	Theory
36	CH	2nd Elective	CH-575	Environmental Pollution Control Engineering	Theory
37	CH		CH-585	Energy Technology	Theory

Sl. NO.	Branch_Code	Electives	Subject_Code	Subject Name	Subject Type
38	CPS	1st Elective	CPS-574	Android Programming	Theory
39	CPS		EC-584	Basics of VLSI Circuits	Theory
40	CPS	2nd Elective	CS-575	Artificial Intelligence	Theory
41	CPS		CPS-585	Cloud Computing	Theory
42	CPS	3rd Elective	CPS-578	Android Programming Lab	Practical
43	CPS		CPS-588	Verilog through HDL Lab	Practical
44	CS	1st Elective	CS-574	.Net Programming Through C#	Theory
45	CS		CS-584	Android Programming	Theory
46	CS	2nd Elective	CS-575	Artificial Intelligence	Theory
47	CS		CS-585	Cryptography and Network Security	Theory
48	CS	3rd Elective	CS-578	.Net Programming Through C# Lab	Practical
49	CS		CS-588	Android Programming Lab	Practical
50	EC	1st Elective	EC-574	Mobile Communication & Optical Fibre Communication	Theory
51	EC		EC-584	Basics of VLSI Circuits	Theory
52	EC	2nd Elective	EC-575	Cyber Physical Systems and Internet of Things	Theory
53	EC		EC-585	Digital Circuit Design using Verilog HDL	Theory

Sl. NO.	Branch_Code	Electives	Subject_Code	Subject Name	Subject Type
54	EE	1st Elective	EE-574	Electrical Traction and Automation	Theory
55	EE		EE-584	Electrical Estimation and Utilization	Theory
56	EE		EE-594	Electric Vehicles	Theory
57	EE	2nd Elective	EE-575	Switchgear and Protection	Theory
58	EE		EE-585	Advanced Protection of Power Systems	Theory
59	EI	1st Elective	EI-574	Instrumentation in Process Industries	Theory
60	EI		EC-584	Basics of VLSI Circuits	Theory
61	EI	2nd Elective	EC-575	Cyber Physical Systems and Internet of Things	Theory
62	EI		EC-585	Digital Circuit Design using Verilog HDL	Theory
63	ES	1st Elective	ES-574	Artificial Intelligence	Theory
64	ES		EC-584	Basics of VLSI Circuits	Theory
65	ES	2nd Elective	EC-575	Cyber Physical Systems and Internet of Things	Theory
66	ES		EC-585	Digital Circuit Design using Verilog HDL	Theory
67	EV	1st Elective	EV-574	TV Studio & Broadcasting Techniques	Theory
68	EV		EC-584	Basics of VLSI Circuits	Theory
69	EV	2nd Elective	EC-575	Cyber Physical Systems and Internet of Things	Theory
70	EV		EC-585	Digital Circuit Design using Verilog HDL	Theory

Sl. NO.	Branch_Code	Electives	Subject_Code	Subject Name	Subject Type
71	HS	1st Elective	HS-574	Trends in Fabric and Fashion Industry	Theory
72	HS		HS-584	Principles of Bio Chemistry	Theory
73	HS	2nd Elective	HS-575	Apparel Manufacturing Technology	Theory
74	HS		HS-585	Extension of Rural Development	Theory
75	LF	1st Elective	LG-574	Estimating, Costing, Industrial Promotion and Marketing	Theory
76	LF		LF-584	Chemistry of Effluent Treatment and Waste Management	Theory
77	LF	2nd Elective	LF-575	Pattern Making in Fashion Design	Theory
78	LF		LF-585	Leather Auxiliaries	Theory
79	LG	1st Elective	LG-574	Estimating, Costing, Industrial Promotion and Marketing	Theory
80	LG		LG-584	Leather Dyeing and Finishing	Theory
81	LG	2nd Elective	LG-575	Machinery Maintenance Engineering	Theory
82	LG		LG-585	Basic Leather Technology	Theory
83	ME	1st Elective	ME-574	Fluid Power Systems	Theory
84	ME		ME-584	Automobile Engineering	Theory
85	ME		EE-594	Electric Vehicles	Theory
86	ME	2nd Elective	ME-575	Industrial Engineering & Estimation and Costing	Theory
87	ME		ME-585	Mechatronics	Theory

Sl. NO.	Branch_Code	Electives	Subject_Code	Subject Name	Subject Type
88	MN	1st Elective	MN-574	Mine Management and Enterprnuship	Theory
89	MN		MN-584	Mineral Processing	Theory
90	MN	2nd Elective	MN-575	Mine Legislation	Theory
91	MN		MN-585	Geo-Informatics and its Applications in Mining	Theory
92	MT	1st Elective	MT-574	Non Ferrous Extractive Metallurgy	Theory
93	MT		MT-584	Industrial Management and Entrepreneurship	Theory
94	MT	2nd Elective	MT-575	Welding Technology	Theory
95	MT		MT-585	Corrosion Engineering	Theory
96	PK	1st Elective	PK-574	Product Packaging	Theory
97	PK		PK-584	Packaging and the Environment	Theory
98	PK	2nd Elective	PK-575	Food Preservation Packaging	Theory
99	PK		PK-585	Refrigeration and Cold Storage	Theory
100	PT	1st Elective	PT-574	E-Publishing	Theory
101	PT		PT-584	Basic Electrical Technology	Theory
102	PT	2nd Elective	PT-575	Printers Accounting & Estimating	Theory
103	PT		PT-585	Basic Mechanical Engineering	Theory

Sl. NO.	Branch_ Code	Electives	Subject_ Code	Subject Name	Subject Type
104	TT	1st Elective	TT-574	Process & Quality Control in Apparel Manufacture	Theory
105	TT		TT-584	Advanced Textile Manufacture	Theory
106	TT	2nd Elective	TT-575	Process & Quality Control in Spinning	Theory
107	TT		TT-585	Technical Textiles	Theory

Signed by Dr. C. Srinath
Date: 08-05-2023 15:38:09
Reason: Approved
SECRETARY