



G. Narayanamma Institute of Technology and Science
(for women)
AUTONOMOUS
Shaikpet, Hyderabad-500104.

2.3 Teaching Learning Process

Student Centric Methods
And
ICT Tools

A.Y. 2022-23



SUMMARY OF STUDENT CENTRIC METHODS

(A.Y. 2022-23)

The following are the innovative student centric methods used in addition to traditional teaching-learning methods, for enhancing learning experiences and to encourage Participative, Problem solving and Experiential learning.

1.Hackathons	10. Activity-based learning	19. MOOCs	28.Pogil
2. Workshops	11. Jigsaw	20.Google Classroom	29.Open book test
3 Seminars	12. Think pair share	21.Project based learning	30. Proto type model
4.Virtual Lab	13. Flipped Class room	22. Realtime case studies	31. Cross words
5. Simulation	14. Plicker	23. worksheets	32.Research Projects
6. Role play	15.Guest lecture	24.PPT	33. Language games
7.Review web literature	16.Professional practice school	25. Kahoot	34. Viva
8. Video	17. GD/ debate	26.Mind Map	35. Public speaking
9. Demonstration	18.Peer learning groups	27.Journal Review	36. Poster presentation

BRANCH/ METHOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
EEE	0	2	11	2	11	2	6	25	85	3	0	11	4	0	0	0	8	1
ECE	3	13	43	49	81	0	14	69	77	6	0	17	3	0	0	0	11	5
CSE	2	2	25	25	5	0	10	49	65	21	0	23	4	0	7	7	6	0
ETM	15	26	30	8	36	0	21	42	55	32	0	0	0	0	0	0	0	14
IT	12	0	35	3	0	4	12	18	48	2	0	0	0	0	0	0	14	6
H&M	7	0	0	11	0	11	30	18	28	11	0	11	28	0	0	0	11	18
CSD	0	0	9	3	0	0	2	8	14	6	0	2	2	0	1	3	1	2
CSM	1	3	13	4	0	0	7	6	13	12	0	3	6	0	4	4	1	0
CST	1	0	14	2	0	2	4	4	1	0	0	0	0	0	1	1	7	0
BS	0	0	35	2	9	9	11	34	54	25	0	39	30	0	0	0	4	46
TOTAL	41	46	215	109	142	28	107	273	440	118	0	106	77	0	13	15	63	92

BRANCH/ METHOD	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
EEE	0	7	0	22	8	55	0	0	4	0	3	0	0	0	0	42	0	0
ECE	33	1	47	17	7	92	0	0	6	0	2	2	0	3	0	58	0	3
CSE	23	3	37	56	17	61	0	0	0	12	6	0	10	0	57	0	0	
ETM	11	2	30	18	1	44	0	1	23	0	0	3	2	10	0	40	1	0
IT	14	15	7	37	18	73	12	0	17	0	9	3	4	0	0	29	0	2
H&M	17	28	28	0	18	27	0	11	0	0	0	0	0	20	11	18	11	11
CSD	6	1	9	18	2	13	0	0	0	0	3	0	0	4	0	12	0	0
CSM	13	1	12	22	8	9	0	0	0	0	8	3	0	2	0	14	0	0
CST	1	2	5	8	2	12	3	0	6	0	4	2	2	0	0	7	0	2
BS	5	6	6	21	25	51	0	0	14	0	10	0	0	0	1	55	47	14
TOTAL	123	66	181	219	106	436	15	12	70	0	51	19	8	49	12	332	59	32

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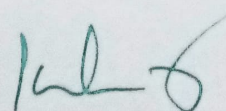
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BRANCH/ METHOD	EXPERIENTIAL LEARNING								
	1	2	3	4	5	6	7		27
EEE		0	2	11	2	11	2	6	4
ECE		3	13	43	49	81	0	14	6
CSE		2	2	25	25	5	0	10	0
ETM		15	26	30	8	36	0	21	23
IT		12	0	35	3	0	4	12	17
H&M		7	0	0	11	0	11	30	0
CSD		0	0	9	3	0	0	2	0
CSM		1	3	13	4	0	0	7	0
CST		1	0	14	2	0	2	4	6
BS		0	0	35	2	9	9	11	14
TOTAL		41	46	215	109	142	28	107	70

BRANCH/ METHOD	PARTICIPATIVE LEARNING																		
	8	9	10	11	12	13	14	15	16	17	18	19	20	24	25	26	28	33	35
EEE	25	85	3	0	11	4	0	0	0	8	1	0	7	55	0	0	0	0	0
ECE	69	77	6	0	17	3	0	0	0	11	5	33	1	92	0	0	0	0	0
CSE	49	65	21	0	23	4	0	7	7	6	0	23	3	61	0	0	0	0	0
ETM	42	55	32	0	0	0	0	0	0	14	11	2	44	0	1	0	0	0	1
IT	18	48	2	0	0	0	0	0	0	14	6	14	15	73	12	0	0	0	0
H&M	18	28	11	0	11	28	0	0	0	11	18	17	28	27	0	11	0	11	11
CSD	8	14	6	0	2	2	0	1	3	1	2	6	1	13	0	0	0	0	0
CSM	6	13	12	0	3	6	0	4	4	1	0	13	1	9	0	0	0	0	0
CST	4	1	0	0	0	0	0	1	1	7	0	1	2	12	3	0	0	0	0
BS	34	54	25	0	39	30	0	0	0	4	46	5	6	51	0	0	0	1	47
TOTAL	273	440	118	0	106	77	0	13	15	63	92	123	66	436	15	12	0	12	59

BRANCH/ METHOD	PROBLEM SOLVING								
	21	22	23	29	30	31	32	34	36
EEE	0	22	8	3	0	0	0	42	0
ECE	47	17	7	2	2	0	3	58	3
CSE	37	56	17	12	6	0	10	57	0
ETM	30	18	1	0	3	2	10	40	0
IT	7	37	18	9	3	4	0	29	2
H&M	28	0	18	0	0	0	20	18	11
CSD	9	18	2	3	0	0	4	12	0
CSM	12	22	8	8	3	0	2	14	0
	5	8	2	4	2	2	0	7	2
BS	6	21	25	10	0	0	0	55	14
TOTAL	181	219	106	51	19	8	49	322	32

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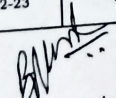

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ICT Tools Usage Summary(2022-23)

Academic Year	Department	No of teachers using ICT	No of Teachers on Roll	List of ICT tools and Resources Available	No of ICT enabled Class Rooms	No of Smart Class Rooms	E Resources and Techniques used
2022-23	CSE	35	35	Digital white board, Desktop systems, projector , printer, tablets, pendrive , microphones	3	1	E-books , e-journals,worksheets,MOOC,Demonstration,Google class room,Importus
2022-23	BS	11	16	LCD PROJECTOR; OHP PROJECTOR; TEAMS; ZOOM; IMPARTUS;Cisco Webex; PEN TAB;IMPARTUS; Board and Chalk	NA	NA	YouTube, NPTEL ; Soft Books;PPTS; Gnomio moodle;, Google Classroom,Wordpress; Google pages,Importus
2022-23	EEE	29	29	OHP projector, LCD projector	8	3	Nptel videos, YouTube videos,springer journals,Importus
2022-23	MECH	10	10	LCD PROJECTOR,IMPARATUS	NA	NA	https://onlinecourses.nptel.ac.in , https://www.mathalino.com ,Importus
2022-23	CSE(DS)	6	6	TEAMS, CT,importus , PPT	3	1	YOUTUBE, SWAYAM, NPTEL, W3schools, javatpoint,real time case studies,Acitivity based learning,MOOC,Importus
2022-23	CSE(AI&ML)	6	6	TEAMS, CT,importus , PPT	3	1	YOUTUBE, SWAYAM, NPTEL, W3schools, javatpoint, E-books , e-journals,worksheets,MOOC,Demonstration,Google class room,Importus
2022-23	H&M	28	28	Teams, Importus, LCD Projector, OHP, Zoom, Cisco, Webex, PenTab, Go to meet, PPT	11	3	You tube lectures,Importus
2022-23	ETE	14	14	LCD	3	1	NPTEL YOUTUBE ,Importus
2022-23	ECE	34	36	Teams, Importus, LCD Projector, OHP, Zoom, Cisco, Webex, PenTab, Go to meet, PPT	10	1	Swayam NPTEL, YouTube videos ,Gnomio Moodle, Google classroom,Importus
2022-23	IT	36	37	Teams, Importus, Google Meet, Zoom, LCD Projector, OHP Projector	8	3	NPTEL, COURSERA, IEEE, E-books , e-journals,MOOC,Importus,Worksheets

209

217


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 Coordinator