

JSS Mahavidyapeetha JSS Academy of Technical Education, Noida Department of Computer Science & Engineering.



Innovations by Faculty in Teaching and Learning

Sl.	Subject and Code	Innovative/Novel approach	Learning Style
No		practiced	
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		Usage of E-learning – resources	
		from National Programme on	
		Technology Enhanced Learning	
1	Discrete Structures &	(NPTEL) & Self Video Lectures;	Collaborative-Teachi
	Theory Of Logic	Think Pair Share & Usage of Power	ng-Learning
		Point presentations and Software	
		tools for Digital Learning	
		(ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
2		Technology Enhanced Learning	
	Discrete Structures &	(NPTEL) & Self Video Lectures;	Collaborative-Teachi
	Theory Of Logic	Think Pair Share & Usage of Power	ng-Learning
		Point presentations and Software	
		tools for Digital Learning	
		(ZOOMIT).	

AY: 2020-21 ODD Semester

3	Cloud Computing	Usage of E-learning – resources from National Programme on Technology Enhanced Learning (NPTEL) & Self Video Lectures; Think Pair Share & Usage of Power Point presentations and Software tools for Digital Learning (ZOOMIT).	Collaborative-Teachi ng-Learning
4	Discrete Structures & Theory Of Logic Lab	Implementation of Discrete Mathematics operations Using MAPLE tool.	EXPERIMENTAL
5	Data Analytics	Usage of E-learning – resources from Slideshare, National Programme on Technology Enhanced Learning (NPTEL) & Video Lectures; & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM).	Collaborative-Teachi ng- and Learning
6	Human Computer Interface	Usage of E-learning – resources from Slideshare, National Programme on Technology Enhanced Learning (NPTEL) & Video Tutorial & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM).	Collaborative-Teachi ng and Learning
7	PPS Theory	Usage of E-learning – resources from Slideshare, Video Lectures & Usage of Power Point presentations	Collaborative-Teachi ng and Learning

		and Software tools for Digital	
		Teaching and Learning (ZOOM).	
		Usage of E-learning – resources	
		from online C compiler, Video	
8		Tutorial & Usage of Power Point	Experimental-Teachi
	PPS Lab	presentations and Software tools for	ng and Learning
		Digital Teaching and Learning	
		(ZOOM).	
9		Usage of E-learning – resources	
		from National Programme on	
		Technology Enhanced Learning	
	DAA	(NPTEL); Think Pair Share &	
		Usage of Power Point presentations	
		and Software tools for Digital	
		Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
10	DIS [RCS-071]	Technology Enhanced Learning	Collaborative-Teachi
	DIS [KCS-0/1]	(NPTEL) Usage of Power Point	ng-Learning
		presentations and Software tools for	
		Digital Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
11	Discrete Structures &	Technology Enhanced Learning	
		(NPTEL) & Self Video Lectures;	Collaborative-Teachi
	Theory of Logics (KCS 303)	Think Pair Share & Usage of Power	ng-Learning
		Point presentations and Software	
		tools for Digital Learning	
		(ZOOMIT).	
	Cloud Computing (RCS	Usage of E-learning – resources	Collaborative-Teachi
	075)	from National Programme on	ng-Learning

12		Technology Enhanced Learning	
12		(NPTEL); Think Pair Share &	
		Usage of Power Point presentations	
		and Software tools for Digital	
		Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
	Cloud Computing (RCS	Technology Enhanced Learning	Collaborative-Teachi
13	075)	(NPTEL); Think Pair Share &	ng-Learning
		Usage of Power Point presentations	
		and Software tools for Digital	
		Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
14	Desis and such sis and	Technology Enhanced Learning	Callabarating Tarahi
	Design and analysis pof	(NPTEL); Think Pair Share &	Collaborative-Teachi
	algorithm KCS 503	Usage of Power Point presentations	ng-Learning
		and Software tools for Digital	
		Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
15	Programming for	Technology Enhanced Learning	
	problem solving	(NPTEL); Think Pair Share &	Collaborative-Teachi
	KCS101T	Usage of Power Point presentations	ng-Learning
		and Software tools for Digital	
		Learning (ZOOMIT).	
		Usage of E-learning – resources	
	Programming for	from National Programme on	Collaborative Teest
16	problem solving	Technology Enhanced Learning	Collaborative-Teachi
	KCS101T	(NPTEL); Think Pair Share &	ng-Learning
		Usage of Power Point presentations	
			J

		and Software tools for Digital	
		Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
17	Distributed	Technology Enhanced Learning	Collaborative-Teachi
	System-RCS701	(NPTEL); Think Pair Share &	ng-Learning
	System-RCS701	Usage of Power Point presentations	ng-Dearning
		and Software tools for Digital	
		Learning (ZOOMIT).	
		Usage of E-learning – resources	
18		from National Programme on	
	Cloud	Technology Enhanced Learning	Collaborative-Teachi
	Computing-ROE073	(NPTEL); Think Pair Share &	ng-Learning
		Usage of Power Point presentations	ng-Leanning
		and Software tools for Digital	
		Learning (ZOOMIT).	

AY: 2020-21 EVEN Semester

Sl.	Subject and Code	Innovative/Novel approach	Learning Style
No		practiced	
1	Computer Network	Implementation of LAN	
	-	Topologies Using CISCO Packet	EXPERIMENTAL
	LAB(KCS-653)	Tracer	
		Usage of E-learning – resources	
		from National Programme on	
	Commuton Notworks	Technology Enhanced Learning	Collaborative-Teac
2	2 Computer Networks	(NPTEL) & Self Video Lectures;	hing-Learning
		Think Pair Share & Usage of	
		Power Point presentations and	

		Software tools for Digital Learning	
		(ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
		Technology Enhanced Learning	
3	Data Compression	(NPTEL) & Self Video Lectures;	Collaborative-Teac
	Data Compression	Think Pair Share & Usage of	hing-Learning
		Power Point presentations and	
		Software tools for Digital Learning	
		(ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
		Technology Enhanced Learning	
4	Cloud Computing	(NPTEL) & Self Video Lectures;	Collaborative-Teac
		Think Pair Share & Usage of	hing-Learning
		Power Point presentations and	
		Software tools for Digital Learning	
		(ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
		Technology Enhanced Learning	
5	Software Engineering	(NPTEL) & Self Video Lectures;	Collaborative-Teac
	Soleware Engineering	Think Pair Share & Usage of	hing-Learning
		Power Point presentations and	
		Software tools for Digital Learning	
		(ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	Collaborative-Teac
	Web Technology	Technology Enhanced Learning	hing-Learning
6		(NPTEL) & Self Video Lectures;	
		Think Pair Share & Usage of	

	Software tools for Digital Learning	
	(ZOOMIT).	
	Implementation of Discrete	
	Mathematics operations Using	EXPERIMENTAL
Theory of Logic Lab	MAPLE tool.	
Software Engineering Lab	Implementation of Software	
Software Engineering Lab	development techniques.	EXPERIMENTAL
	Usage of E-learning – resources	
	from Slideshare ,Video Lectures;	
Miananna agus Thaons	& Usage of Power Point	Collaborative-Teac
wheroprocessor Theory	presentations and Software tools	hing and Learning
	for Digital Teaching and Learning	
	(ZOOM).	
	Usage of E-learning – resources	
	from Slideshare, Video Tutorial &	
Miananna agus an Lab	Usage of Power Point	Experimental-Teac
	presentations and Software tools	hing and Learning
	for Digital Teaching and Learning	
	(ZOOM).	
	Usage of E-learning – resources	
	from Slideshare, Video Lectures &	
DDS Theory	Usage of Power Point	Collaborative-Teac
	presentations and Software tools	hing and Learning
	for Digital Teaching and Learning	
	(ZOOM).	
	Usage of E-learning – resources	
PPS Lab	from online C compiler, Video	Experimental-Teac
	Tutorial & Usage of Power Point	hing and Learning
	presentations and Software tools	
	Discrete Structures & Theory of Logic Lab Software Engineering Lab Microprocessor Theory Microprocessor Lab PPS Theory PPS Lab	Discrete Structures & Mathematics operations Using MAPLE tool. MAPLE tool. Implementation of Software development techniques. Usage of E-learning – resources from Slideshare ,Video Lectures; & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM). Usage of E-learning – resources from Slideshare,Video Tutorial & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM). Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM). PPS Theory PPS Lab PPS Lab Usage of E-learning – resources from Slideshare, Video Lectures & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM). Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM). Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM). Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM). Usage of E-learning – resources from slideshare, Video Lectures & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM).

	for Digital Teaching and Learning	
	(ZOOM).	
	E-learning – resources from	
	National Programme on	Collaborative-Lear
Big Data [KIT-062]	Technology Enhanced Learning	ning
	(NPTEL) Usage of Power Point	ming
	presentations	
Computer Network	Implementation of LAN	
	Topologies Using CISCO Packet	EXPERIMENTAL
La0(KCS-033)	Tracer	
	Usage of E-learning – resources	
	from National Programme on	
Theory of Automata &	Technology Enhanced Learning	Collaborative-Teac
Formal Languages (KCS	(NPTEL); Think Pair Share &	hing-Learning
402)	Usage of Power Point	ning-Leanning
	presentations and Software tools	
	for Digital Learning (ZOOMIT).	
	Usage of E-learning – resources	
	from National Programme on	
	Technology Enhanced Learning	
Computer networks KCS	(NPTEL) & Self Video Lectures;	Collaborative-Teac
603	Think Pair Share & Usage of	hing-Learning
	Power Point presentations and	
	Software tools for Digital Learning	
	(ZOOMIT).	
	Usage of E-learning – resources	
Programming for problem	from National Programme on	Collaborative-Teac
	Technology Enhanced Learning	hing-Learning
SOLVING ICO 101 I	(NPTEL); Think Pair Share &	ming-Leanning
	Usage of Power Point	
	Computer Network Lab(KCS-653) Theory of Automata & Formal Languages (KCS 402) Computer networks KCS 603	Image: Programme of the second seco

		presentations and Software tools	
		for Digital Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
18	Python	Technology Enhanced Learning	Collaborative-Teac
	Programming-KNC402	(NPTEL); Think Pair Share &	hing-Learning
	riogramming-KNC402	Usage of Power Point	linig-Learning
		presentations and Software tools	
		for Digital Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
19	Software	Technology Enhanced Learning	Collaborative-Teac
	Engineering-KCS601	(NPTEL); Think Pair Share &	hing-Learning
	Ligincering-Re5001	Usage of Power Point	hing-Learning
		presentations and Software tools	
		for Digital Learning (ZOOMIT).	
		Usage of E-learning – resources	
		from National Programme on	
20		Technology Enhanced Learning	Collaborative-Teac
	Deep Learning-RCS086	(NPTEL); Think Pair Share &	hing-Learning
		Usage of Power Point	ning Louining
		presentations and Software tools	
		for Digital Learning (ZOOMIT).	

The following faculties have undergone courses through NPTEL

SI.	Faculty	Area
Ν		
0		
1	Dr.Jyoti Gautam	Effective Writing

2	Dr. Kakoli	
	Banerjee	Effective Engineering Teaching in Practice
3		
	Nitima Malsa	Effective Writing
4	Deepti Aggarwal	Effective Engineering Teaching in Practice
5	Deepti Aggarwal	NBA Accreditation and teaching-learning in Engineering
6	Sonali Mathur	SOFTWARE TESTING
7		NBA Accreditation and Teaching-Learning in Engineering
	Sonali Mathur	(NATE)
8	Nitima Malsa	Academic Writing
9	Vimal Gupta	Academic Writing
10		Academic writing
10	Nitima Malsa	Blockchain Architecture Design and Use Cases
11	Parjanya C A	Introduction to Internet of Things
12	Nitima Malsa	Practical Machine Learning with Tensor Flow
13	Nitima Malsa	Accreditation and Outcome Based Learning
14		NBA Accreditation and Teaching-Learning in Engineering
	Vimal Gupta	(NATE)
15	Parjanya C A	Introduction to Programming in C
16	Jaspreet Kaur	Software Testing
17	Rashmi Prasanna	
	A P	Data Analytics
18	Rashmi Prasanna	NBA Accreditation and Teaching-Learning in Engineering
	A P	(NATE)
19	Urvashi Rahul	NBA Accreditation and Teaching-Learning in Engineering
	Saxena	(NATE)

20	Urvashi Rahul	
	Saxena	Software Project Management
21	Urvashi Rahul	
	Saxena	Cloud Computing
22	Suruchi	
	Sabherwal	Online Social Networks
23	Suruchi	
	Sabherwal	Privacy and Security in Online Social Media
		NBA Accreditation and Teaching-Learning in Engineering
24	Sur Singh Rawat	(NATE)
25	Dr. Kakoli	
	Banerjee	NBA Accreditation and teaching-learning in Engineering
26	Ajay Kumar	Intorduction to Algorithms and Analysis
27	Ajay Kumar	Introduction to Automata, Lanaguages and Computation
28	Pradeep Kumar	Intorduction to Algorithms and Analysis
29	Surekha.M	Data Mining
30	Girish Kumar B C	Cloud Computing
31	Harsha K G	Cloud Computing
32	Veeresh K M	Introduction to research