



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



Innovations by Faculty in Teaching and Learning

AY: 2020-21 ODD Semester

Sl. No	Subject and Code	Innovative/Novel approach practiced	Learning Style
1	Discrete Structures & Theory Of Logic	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-Teaching-Learning
2	Discrete Structures & Theory Of Logic	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-Teaching-Learning

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-Teaching-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-Teaching- 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-Teaching and Learning
7	PPS Theory	Usage of E-learning – resources from Slideshare, Video Lectures & Usage of Power Point presentations	Collaborative-Teaching and Learning

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

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

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

AY: 2020-21 EVEN Semester

Sl. No	Subject and Code	Innovative/Novel approach practiced	Learning Style
1	Computer Network LAB(KCS-653)	Implementation of LAN Topologies Using CISCO Packet Tracer	EXPERIMENTAL
2	Computer Networks	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	Collaborative-Teaching-Learning

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

		Power Point presentations and Software tools for Digital Learning (ZOOMIT).	
7	Discrete Structures & Theory of Logic Lab	Implementation of Discrete Mathematics operations Using MAPLE tool.	EXPERIMENTAL
8	Software Engineering Lab	Implementation of Software development techniques.	EXPERIMENTAL
9	Microprocessor Theory	Usage of E-learning – resources from Slideshare ,Video Lectures; & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM).	Collaborative-Teaching and Learning
10	Microprocessor Lab	Usage of E-learning – resources from Slideshare,Video Tutorial & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM).	Experimental-Teaching and Learning
11	PPS Theory	Usage of E-learning – resources from Slideshare, Video Lectures & Usage of Power Point presentations and Software tools for Digital Teaching and Learning (ZOOM).	Collaborative-Teaching and Learning
12	PPS Lab	Usage of E-learning – resources from online C compiler, Video Tutorial & Usage of Power Point presentations and Software tools	Experimental-Teaching and Learning

		for Digital Teaching and Learning (ZOOM).	
13	Big Data [KIT-062]	E-learning – resources from National Programme on Technology Enhanced Learning (NPTEL) Usage of Power Point presentations	Collaborative-Learning
14	Computer Network Lab(KCS-653)	Implementation of LAN Topologies Using CISCO Packet Tracer	EXPERIMENTAL
15	Theory of Automata & Formal Languages (KCS 402)	Usage of E-learning – resources from National Programme on Technology Enhanced Learning (NPTEL); Think Pair Share & Usage of Power Point presentations and Software tools for Digital Learning (ZOOMIT).	Collaborative-Teaching-Learning
16	Computer networks KCS 603	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-Teaching-Learning
17	Programming for problem solving KCS101T	Usage of E-learning – resources from National Programme on Technology Enhanced Learning (NPTEL); Think Pair Share & Usage of Power Point	Collaborative-Teaching-Learning

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

The following faculties have undergone courses through NPTEL

Sl. No	Faculty	Area
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	Sonali Mathur	NBA Accreditation and Teaching-Learning in Engineering (NATE)
8	Nitima Malsa	Academic Writing
9	Vimal Gupta	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	Vimal Gupta	NBA Accreditation and Teaching-Learning in Engineering (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 A P	NBA Accreditation and Teaching-Learning in Engineering (NATE)
19	Urvashi Rahul Saxena	NBA Accreditation and Teaching-Learning in Engineering (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
24	Sur Singh Rawat	NBA Accreditation and Teaching-Learning in Engineering (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