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# DIGIMAT - The No.1 Autonomous Learning Platform for Creative Learning

**NPTEL : ACM Summer School on Algorithmic and Theoretical Aspects of Machine Learning (Special Lecture Series)**

**Co-ordinators : Meenakshi D'Souza**

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Lecture 17 - Crptography and Machine Learning

Lecture 18 - Neural Networks Session - 1

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Lecture 21 - Neural Networks Session - 4

Lecture 22 - Neural Networks Session - 5

Lecture 23 - Enterprise Applications of ML Session - 1

Lecture 24 - Basic of Algorithm Design Session - 1

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Lecture 27 - Basic of Algorithm Design Session - 4

Lecture 28 - Introduction to Optimization Session - 1

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Lecture 30 - Introduction to Reinforcement Learning Session - 1

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[Lecture 37 - Introduction of Cryptography Session - 1](#)

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Lecture 1 - Department Introduction

Lecture 2 - Introduction to Cloud Computing - Part 1

Lecture 3 - Introduction to Cloud Computing - Part 2

Lecture 4 - Cloud IaaS and Virtualization

Lecture 5 - System Virtualization

Lecture 6 - Mechanisms for System Virtualization

Lecture 7 - Containers - Part 1

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Lecture 9 - AI and Hybrid Cloud

Lecture 10 - Container Orchestration - Part 1

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Lecture 12 - Container Orchestration - Part 3

Lecture 13 - Application Devops - Part 1

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Lecture 19 - Cloud as Distributed System - Part 1

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- Lecture 1 - Review of Basic Concepts - Dr. Abhijat Vichare - Session - 1
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- Lecture 3 - Review of Basic Concepts - Dr. Abhijat Vichare - Session - 3
- Lecture 4 - Introduction to Lex and Yacc - Sameera Deshpande - Session - 1
- Lecture 5 - Introduction to Lex and Yacc - Sameera Deshpande - Session - 2
- Lecture 6 - Hello world, Revisiting the first program we write in c - Siddhesh Poyarekar - Session - 1
- Lecture 7 - Compiler as system - Vivek Buzruk - Session - 1
- Lecture 8 - Compiler as system - Vivek Buzruk - Session - 2
- Lecture 9 - Introduction to Data Flow Analysis - Prof. Uday Khedker - Session - 1
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- Lecture 15 - Undefined Behavior Compiler Optimization - Prathamesh K Session - 1
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- Lecture 24 - Introduction to Optimizations - Prof. V. Krishna N Session - 1
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