

DAILY ASSESSMENT FORMAT

Date:	15 JULY 2020	Name:	PAVITHRAN S
Course:	Mathematics for Machine Learning : Linear Algebra	USN:	4AL17EC035
Topic:	Week 3	Semester & Section:	6 SEM & 'B' SEC
Github Repository:	Hemalatha-Sanil		

FORENOON SESSION DETAILS

Image of session

The image displays two sequential screenshots of a Coursera lecture video. The video is titled "Matrices, vectors, and solving simultaneous equation problems" and is part of the "Mathematics for Machine Learning: Linear Algebra" course, Week 3. The instructor is Hemalatha Sanil.

Top Screenshot (1:05 / 5:31): The video shows the instructor writing the system of linear equations on a blue background:

$$\begin{aligned} 2a + 3b &= 8 \\ 10a + 1b &= 13 \end{aligned}$$

Bottom Screenshot (4:17 / 5:31): The video shows the instructor writing the augmented matrices and pointing to the basis vectors e_1 and e_2 :

$$\begin{pmatrix} 2 & 3 \\ 10 & 1 \end{pmatrix} \begin{pmatrix} a \\ b \end{pmatrix} = \begin{pmatrix} 8 \\ 13 \end{pmatrix}$$

$$\begin{pmatrix} 2 & 3 & | & 8 \\ 10 & 1 & | & 13 \end{pmatrix} \rightarrow \begin{pmatrix} 2 & 3 & | & 8 \\ 0 & -2 & | & -18 \end{pmatrix}$$

The interface includes a left sidebar with course navigation, a central video player with controls, and a right sidebar for notes.

Hemalatha Bandi
HAI17EC035
6 Sem, A'lec

papergrid

Date: / /

Mathematics for Machine Learning: Linear Algebra

Day: 15/07/2020 - Wednesday

Week-2:

• Matrices, vector and solving simultaneous equation problems

• Introduction to Matrices

* How matrices transform space

* Types of matrix transformation

* Solving the apple-banana problem:
Gaussian elimination
 $A \cdot A^{-1} = I$, $A \cdot X = B$

* Going from Gaussian elimination to finding the inverse matrix

* Solving linear equations using the inverse matrix

* Special matrices and working up some matrix equations

Date:	15-07-2020	Name:	HEMALATHA SANIL
Course:	Industrial IOT on Google Cloud Platform	USN:	4AL17EC035
Topic:	Week 1	Semester & Section:	6 SEM & 'A' SEC
Github Repository:	Hemalatha-Sanil		

AFTERNOON SESSION DETAILS

Image of session

The screenshot shows the Coursera interface for the course 'Industrial IoT on Google Cloud Platform'. The main video player displays a woman in a blue jacket speaking, with the title 'IIoT on GCP' and a list of topics: Foundations of GCP Architecture, Sensors, Devices, and Cloud Communication, Google Cloud IoT Platform, Creating Pipelines, Analyzing Data with BigQuery, Analyzing Data with Cloud Dataprep, and Optional Capstone Project. The left sidebar lists course sections, and the right sidebar shows a 'Notes' section with a 'Save Note' button and a 'Discuss' button.

The screenshot shows the Coursera interface for the course 'Industrial IoT on Google Cloud Platform'. The main video player displays a diagram of the IoT on GCP architecture, showing the flow from 'Build your own IoT' to 'Analyze your data'. The left sidebar lists course sections, and the right sidebar shows a 'Notes' section with a 'Save Note' button and a 'Discuss' button.

Report – Report can be typed or hand written for up to two pages.

Hanulatha Sanil
H141760035
6 Sem, AI & ML

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Date: / /

Industrial IoT on Google Cloud Platform

Day: 15/01/2020 - Wednesday

- > Welcome to IoT on GCP
- IoT on GCP overview
- Sensors, devices & cloud communication
- Google Cloud IoT platform
- Collecting features
- Analyzing data with BigQuery
- Analyzing data with Cloud Dataflow
- Operational Capstone Project

> IoT on GCP overview

> Getting started

Module Introduction

Learn how to:

- Explain the basic structure of IoT architecture
- Recognize specific IoT
- Explain the typical use cases of IoT growth on IoT architecture
- IoT introduction
- Functional Advances Drive IoT Adoption
- What is IoT?
- Cloud IoT Platform
- Sensors and Devices