

## **MS 101 Makerspace, 2025-26/I Autumn**

### **EE Laboratory Experiments: Detailed Schedule (Moodle\_Ver 4 – Jul 27, 2025)**

DH: Drawing Hall (Transit Building, First Floor)

DESE: Dept of Energy Science & Engg, Room nos (DESE-101 & DESE-108)

#### **Expt 1: Familiarization with Basic Measuring Instruments**

<b>Date and Day</b>	<b>Time slot</b>	<b>Venue</b>	<b>Sections</b>
Jul 31 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Jul 31 Thu	2 – 5 pm	DESE	P2
Aug 1 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Aug 1 Fri	2 – 5 pm	DESE	P4
Aug 4 Mon	<b>8:30 am – 11:30 pm</b>	DESE	P8
Aug 4 Mon	2 – 5 pm	DH	P1 and P2
Aug 5 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Aug 5 Tue	2 – 5 pm	DH	P3 and P4

#### **Expt 2: Op Amp Circuits**

<b>Date and Day</b>	<b>Time slot</b>	<b>Venue</b>	<b>Sections</b>
Aug 7 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Aug 7 Thu	2 – 5 pm	DESE	P2
Aug 8 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Aug 8 Fri	2 – 5 pm	DESE	P4
Aug 11 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Aug 11 Mon	2 – 5 pm	DH	P1 and P2
Aug 12 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Aug 12 Tue	2 – 5 pm	DH	P3 and P4

### Expt 3: DC Power Supply

Date and Day	Time slot	Venue	Sections
Aug 14 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Aug 14 Thu	2 – 5 pm	DESE	P2
Aug 15 Fri	9:30 am – 12:30 pm	HOLIDAY	P9 and P10
Aug 15 Fri	2 – 5 pm	HOLIDAY	P4
Aug 18 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Aug 18 Mon	2 – 5 pm	DH	P1 and P2
Aug 19 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Aug 19 Tue	2 – 5 pm	DH	P3 and P4

\* One of the senior RAs would replace JJ

### Lab slots used for Lect 8 and Lect 9 (details shown in the Lecture schedule)

Date and Day	Time slot	Venue	Sections
Aug 21 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Aug 21 Thu	2 – 5 pm	DESE	P2
Aug 22 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Aug 22 Fri	2 – 5 pm	DESE	P4
Aug 25 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Aug 25 Mon	2 – 5 pm	DH	P1 and P2
Aug 26 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Aug 26 Tue	2 – 5 pm	DH	P3 and P4

**Expt 4: ESP32 Familiarization and Motor Control**

<b>Date and Day</b>	<b>Time slot</b>	<b>Venue</b>	<b>Sections</b>
Aug 28 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Aug 28 Thu	2 – 5 pm	DESE	P2
Aug 29 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Aug 29 Fri	2 – 5 pm	DESE	P4
Sep 1 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Sep 1 Mon	2 – 5 pm	DH	P1 and P2
Sep 2 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Sep 2 Tue	2 – 5 pm	DH	P3 and P4

**Makeup Labs – Expt 1-4**

<b>Date and Day</b>	<b>Time slot</b>	<b>Venue</b>	<b>Sections</b>
Sep 4 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Sep 4 Thu	2 – 5 pm	DESE	P2
Sep 5 Fri	9:30 am – 12:30 pm	HOLIDAY	P9 and P10
Sep 5 Fri	2 – 5 pm	HOLIDAY	P4
Sep 8 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Sep 8 Mon	2 – 5 pm	DH	P1 and P2
Sep 9 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Sep 9 Tue	2 – 5 pm	DH	P3 and P4

**Sep 11 (Thu) and Sep 12 (Fri) Labs**

Date and Day	Time slot	Venue	Sections
Sep 11 Thu	9:30 am – 12:30 pm	DH	P7 and P8 Expt 5 – Remote Control of BO Motors
Sep 11 Thu	2 – 5 pm	DESE	P2 Expt 5 – Remote Control of BO Motors
Sep 12 Fri	9:30 am – 12:30 pm	DH	P9 and P10 Expt 3 – DC Power Supply
Sep 12 Fri	2 – 5 pm	DESE	P4 Expt 3 – DC Power Supply

**Midsemester Examination Week**

Sep 13 Sat			Midsem Exam
Sep 15 Mon			Midsem Exam
Sep 16 Tue			Midsem Exam
Sep 17 Wed			Midsem Exam
Sep 18 Thu			Midsem Exam
Sep 19 Fri			Midsem Exam
Sep 20 Sat			Midsem Exam
Sep 21 Sun			Midsem Exam

**Expt 5: Remote Control of BO Motors. (For Thu batches PCB Design and Submission).**

Date and Day	Time slot	Venue	Sections
Sep 22 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Sep 22 Mon	2 – 5 pm	DH	P1 and P2
Sep 23 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Sep 23 Tue	2 – 5 pm	DH	P3 and P4
Sep 25 Thu	9:30 am – 12:30 pm	DH	P7 and P8 PCB design and submission
Sep 25 Thu	2 – 5 pm	DESE	P2 PCB design and submission
Sep 26 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Sep 26 Fri	2 – 5 pm	DESE	P4

**PCB Design and Submission**

<b>Date and Day</b>	<b>Time slot</b>	<b>Venue</b>	<b>Sections</b>
Sep 29 Mon	<b>8:30 – 11:30 am</b>	DESE	P8 Makeup Lab: Expt 1-5
Sep 29 Mon	2 – 5 pm	DH	P1 and P2 Makeup Lab: Expt 1-5
Sep 30 Tue	<b>8:30 – 11:30 am</b>	DESE	P10 Makeup Lab: Expt 1-5
Sep 30 Tue	2 – 5 pm	DH	P3 and P4 Makeup Lab: Expt 1-5
Oct 2 Thu	9:30 am – 12:30 pm	HOLIDAY	P7 and P8
Oct 2 Thu	2 – 5 pm	HOLIDAY	P2
Oct 3 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Oct 3 Fri	2 – 5 pm	DESE	P4

**Project Labs: Week 1 of 5**

<b>Date and Day</b>	<b>Time slot</b>	<b>Venue</b>	<b>Sections</b>
Oct 6 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Oct 6 Mon	2 – 5 pm	DH	P1 and P2
Oct 7 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Oct 7 Tue	2 – 5 pm	DH	P3 and P4
Oct 9 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Oct 9 Thu	2 – 5 pm	DESE	P2
Oct 10 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Oct 10 Fri	2 – 5 pm	DESE	P4

**Project Labs: Week 2 of 5**

<b>Date and Day</b>	<b>Time slot</b>	<b>Venue</b>	<b>Sections</b>
Oct 13 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Oct 13 Mon	2 – 5 pm	DH	P1 and P2
Oct 14 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Oct 14 Tue	2 – 5 pm	DH	P3 and P4
Oct 16 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Oct 16 Thu	2 – 5 pm	DESE	P2
Oct 17 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Oct 17 Fri	2 – 5 pm	DESE	P4

**Project Labs: Week 3 of 5**

<b>Date and Day</b>	<b>Time slot</b>	<b>Venue</b>	<b>Sections</b>
Oct 20 Mon	<b>8:30 – 11:30 am</b>	HOLIDAY	P8
Oct 20 Mon	2 – 5 pm	HOLIDAY	P1 and P2
Oct 21 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Oct 21 Tue	2 – 5 pm	DH	P3 and P4
Oct 23 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Oct 23 Thu	2 – 5 pm	DESE	P2
Oct 24 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Oct 24 Fri	2 – 5 pm	DESE	P4

**Project Labs: Week 4 of 5**

Date and Day	Time slot	Venue	Sections
Oct 27 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Oct 27 Mon	2 – 5 pm	DH	P1 and P2
Oct 28 Tue	<b>8:30 – 11:30 am</b>	DESE	P10
Oct 28 Tue	2 – 5 pm	DH	P3 and P4
Oct 30 Thu	9:30 am – 12:30 pm	DH	P7 and P8
Oct 30 Thu	2 – 5 pm	DESE	P2
Oct 31 Fri	9:30 am – 12:30 pm	DH	P9 and P10
Oct 31 Fri	2 – 5 pm	DESE	P4

**Project Labs: Week 5 of 5**

Date and Day	Time slot	Venue	Sections
Nov 3 Mon	<b>8:30 – 11:30 am</b>	DESE	P8
Nov 3 Mon	2 – 5 pm	DH	P1 and P2
Nov 4 Tue	<b>8:30 – 11:30 am</b>	DESE	P10 (Project Lab cancelled to equalize the Project Lab sessions)
Nov 4 Tue	2 – 5 pm	DH	P3 and P4 (Project Lab cancelled to equalize the Project Lab sessions)
Nov 6 Thu	9:00 am – 12:30 pm	DH	P7 & P8: Final Demo + Viva
Nov 6 Thu	2 – 5:30 pm	DH	P1 & P2: Final Demo + Viva
Nov 7 Fri	9:00 am – 12:30 pm	DH	P9 & P10: Final Demo + Viva
Nov 7 Fri	2 – 5:30 pm	DH	P3 & P4: Final Demo + Viva