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MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
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## **PROGRAMME REPORT ON**

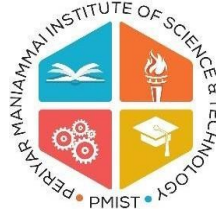
### **One Day Workshop-All in one Instrumentation: Moku:Go: A Practical Approach**

Resource Person

**Mr. Umar Farooq Senior Application Engineer Mew Technology  
Bangalore**

Organized by

**EEE- PMIST**



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## **REPORT ON**

### **ALL IN ONE INSTRUMENTATION: MOKU:GO: A PRACTICAL APPROACH**

**ORGANISED BY  
DEPARTMENT OF ELECTRONICS AND ELECTRONICS  
ENGINEERING**

**DATE: 15/09/2025**



**TIME: 09.00 a.m. - 04.00 p.m.**



**PERIYAR MANIAMMAI INSTITUTE OF  
SCIENCE & TECHNOLOGY**

Periyar Nagar, Vallam, Thanjavur - 613403  
Tamil Nadu, INDIA



**Department of Electrical and Electronics Engineering**

Workshop	Experts / Guest Speaker	Beneficiaries
<b>All in one Instrumentation: Moku:Go: A Practical Approach</b>	<b>Mr. Umar Farooq</b> <b>Senior Application Engineer</b> <b>Mew Technology</b> <b>Bangalore</b> <b>8880404859</b>	Second, Third and final year EEE students
<b>Date / Period:</b> 15-09-2025 <b>Time:</b> 9.30 am. to 12.30 p.m.		
<b>Report / Summary / Key points discussed:</b> The workshop started with digital experiments using the Moku:Go platform, where participants implemented basic logic gates such as AND, OR, NOT, NAND, NOR, and XOR. Hands-on exercises included designing Half Adder and Full Adder circuits, along with binary to Gray code and Gray to binary conversions. The session helped participants connect Boolean logic theory with real-time hardware implementation, enhancing their understanding of combinational logic design.		25
<div><div><p>Vallam, Tamil Nadu, India Periyar Maniammal University Knowledge Centre, Vallam, Tamil Nadu 613403, India Lat 10.732602° Long 79.071336° 15/09/2025 09:52 AM GMT +05:30</p></div><div><p>The program was inaugurated with an address by <b>Dr. K. Nithiyananthan, Professor/EEE, PMIST</b>, who emphasized the value of hands-on learning through Moku:Go for bridging theory with practical skills.</p></div></div> <div><div><p>Vallam, Tamil Nadu, India Periyar Maniammal University Knowledge Centre, Vallam, Tamil Nadu 613403, India Lat 10.732434° Long 79.071298° 15/09/2025 09:52 AM GMT +05:30</p></div><div><p>Students keenly observed the expert's demonstration on the <b>MOKU:Go</b> device.</p></div></div>		



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**Department of Electrical and Electronics Engineering**

Workshop	Experts / Guest Speaker	Beneficiaries
<p><b>All in one Instrumentation: Moku:Go: A Practical Approach</b></p> <p><b>Date / Period:</b> 15-09-2025</p> <p><b>Time:</b> 1.30 pm. to 04.00 p.m.</p> <p><b>Report / Summary / Key points discussed:</b></p> <p>The second session focused on analog and timer-based experiments. Participants explored the operation of the 555 Timer in astable and bistable modes, learning applications in waveform generation and flip-flop design. Analog experiments included building voltage follower, amplifier (inverting and non-inverting), and low-pass filter circuits. These practical exercises highlighted key concepts of signal conditioning, frequency response, and the role of op-amps in modern electronics.</p>	<p><b>Mr. Umar Farooq</b> <b>Senior Application Engineer</b> <b>Mew Technology</b> <b>Bangalore</b> <b>8880404859</b></p>	<p>Second, Third and final year EEE students</p> <p>25</p>
<div><p>Mr Umar Farooq, Resource Person gave the overview of the significance of the MOKU:Go instrument</p></div>	<div><p>Students are doing hands on experiments on MOKU:Go device</p></div>	

## Poster



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INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING  
ORGANIZE  
One Day Workshop



**All-in-One Instrumentation :  
Moku:Go: A Practical Approach**

**RESOURCE PERSON**

**MR.UMAR FAROOQ**

Senior Application Engineer  
Mew Technology, Bangalore



**Date:15.09.2025**  
**Time:9.30am to 04.00pm**  
**Place: CNGN Labarotary PKC Building**

**Coordinator**  
**Dr.V. Hemsathwani**  
**Asso. Prof/EEE**

**Co-Coordinator**  
**Dr.K. Nithiyananthan**  
**Prof/EEE**

 [www.pmu.edu](http://www.pmu.edu)



# Attendance Sheet

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Established in the year 1983  
(Autonomous Institute)

### All-in-One Instrumentation: Moku: Go: A Practical Approach

#### STUDENTS NAME LIST

Date :15.09.2025

Academic year:2025-2026

S.No	Year	Register No.	Student Name	Signature
1.	IV	122011014484	RAHILA SIDHIQA A	A.Rahila Sidhiqa
2.	IV	122011014486	SWARNIKHA K P	S.P.S.
3.	IV	123012064466	DINESHKUMAR S	S.Dinesh Kumar
4.	IV	123012074001	SUNDAR R	S.Sundar R
5.	III	123012014495	KISHOR K	K.K.
6.	III	123012014496	MOHAMED RASEEN M	M. Mohamed Raseen
7.	III	123011014501	THULASI S	S.Thulasi
8.	III	123011014502	AFRAH NAFILA S	S.Afrah Nafila
9.	III	123011014504	QUEENLIYA P	P.Q.
10.	III	123012014505	VISHNU S	S.Vishnu
11.	III	123012014506	CHINNASAMY S	S.Chinnasamy
12.	III	123012014507	KABILAN R	R.Kabilan
13.	III	123012023003	ARAVINDHKUMAR S	S.Aravindh Kumar
14.	III	123012023006	KARTHIKEYAN S	S.Karthikeyan
15.	III	123012023007	MOHAMED YAHYA M	M.Mohamed Yahya
16.	III	123011023009	SANGAVI S	AB
17.	III	123011023011	SAROJINI S	S.Sarojini
18.	III	124012064482	YOGESH S	S.Yogesh
19.	II	125012064488	SANJAY B	Sanjay B.
20.	II	125012064485	MOHAMED JASSIM M	M.Mohamed Jassim
21.	II	125012064490	SIVA GANESH	T.Siva Ganesh
22.	II	125012064495	ADITHYA B	B.Adithya

*(Signature)*  
15/09/25  
HoD/EEE  
(Dr.K.Maruliya Begam)