

Ref. SLIET/TEQIP-III/ 106-109 Date: 24/04/2019

**Sant Longowal Institute of Engineering & Technology, Longowal**  
(Deemed-to-be-University)

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)**

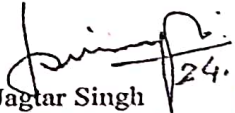
**Phase-III**

Sub: Component 1.3: (Twinning Arrangement to build capacity and Improve Performance of Participating Institutes)

**OFFICE ORDER**


The competent authority has approved a workshop on "MATLAB and Simulink for Process Engineers" during 25<sup>th</sup> – 26<sup>th</sup> April, 2019 (Two Days) to be organized by Department of Chemical Engineering under sub component Faculty/Staff Development and Motivation (1.3.2.4) of TEQIP-III. Further a sum of Rs. 40,000.00 (Rs. Forty Thousand Only) has been sanctioned from TEQIP-III project for TA/DA, Honorarium and Hospitality etc. An advance of Rs. 20,000.00 (Rs. Twenty thousand only) is sanctioned in the name of Dr. Amit Rai, AP (CHE) Co-coordinator of the Workshop from SET account and after adjustment same will be transferred through PFMS from NPIU, New Delhi. The terms and conditions for organizing the activity are given below:

- HOD (CHE) to issue a notice for wider publicity of the event.
- The financial liabilities towards the payment of TA/DA and honorarium to experts will be followed as per institute rule/TEQIP-III project rules.
- Expenditure will be done by the workshop coordinator as per office order SLIET/TEQIP-III/87 dated 22/06/2018.
- Report of the event should be submitted by the workshop coordinator in the requisite format at the time of adjustment.

  
Prof. Jagtar Singh  
Coordinator TEQIP-III

Copy to:

1. Director - for kind information please.
2. Dean (A) - for kind information please.
3. Prof. I/C (A&A)
4. HOD (CHE)
5. File Copy

  
24/4/19  
Dr. Mihir Parashar / Dr. Amit Rai

24/4/19

# Workshop on MATLAB and SIMULINK for Process Engineers

April 25-26, 2019

Day-1

April 25, 2019

10:00 AM- 11:30 AM	LECTURE SESSION-1 (Dr. Nikhil Prakash) <ul style="list-style-type: none"><li>• Introduction to Process Engineering</li><li>• Model Development for selective processes</li></ul>
11:30 AM – 11:45 AM	Tea Break
11:45 AM- 01:15 PM	LECTURE SESSION-2 (Dr. Amit Rai) Introduction to MATLAB <ul style="list-style-type: none"><li>• Highlighting Matlab strengths &amp; applicability in Process Engineering</li><li>• Basics of Matlab programming</li></ul>
1:15 – 02:15 PM	Lunch Break
02:30- 4:30 PM	PRACTICAL SESSION-1 (Dr. Nikhil Prakash & Dr. Amit Rai) <ul style="list-style-type: none"><li>• Hands on practice of basic Matlab programming</li><li>• Process Engineering Examples &amp; programming</li></ul>
4:30 PM	Tea Break

Hansraj

Rajiv

# Workshop on MATLAB and SIMULINK for Process Engineers

April 25-26, 2019

Day-2

April 26, 2019

10:00 AM- 11:30AM	EXPERT LECTURE-1 (PROF PRATIK N SHETH) <ul style="list-style-type: none"><li>• ODE, IVP, ODE-Boundary Value Problem, PDEs – Elliptic equations, parabolic equations and their process engineering applications</li></ul>
11:30AM – 11:45AM	Tea Break
11:45AM- 01:15PM	EXPERT LECTURE-2 (DR AMIT JAIN) <ul style="list-style-type: none"><li>• Basic of Process Control</li><li>• Introduction to First, Second &amp; Higher Order Process</li><li>• P, PI &amp; PID Controllers – tuning rules</li><li>• Multiloop Control Systems</li></ul>
01:15– 02:15PM	Lunch Break
02:15- 3:15 PM	PRACTICAL SESSION-2 (PROF PRATIK N SHETH) <ul style="list-style-type: none"><li>• Hands-on practice and Matlab Code development on ODE, IVP, ODE-Boundary Value Problem, PDEs – Elliptic equations, parabolic equations and their process engineering applications</li></ul>
03:15-03:30 PM	Tea Break
03:30 PM - 04:30 PM	PRACTICAL SESSION-3 (DR AMIT JAIN) <ul style="list-style-type: none"><li>• Simulink Application to Process Control Closed-loop Response Analysis using Simulink</li></ul>
04:30 PM onwards	Valedictory followed by High Tea

*Pratik N Sheth*

*Ramji*

Workshop on MATLAB and SIMULINK for Process Engineers(25-26 April, 2019)

List of registered participants

S. No.	Registration No.	Name	Class	Department
1	PMA/1804	SHALLU	RS	MATHS
2	PFE/1603	MAMTA THAKUR	RS	FOOD
3	PG/FET/1750257	NAIK RISHI RAVINDRA	PG	FOOD
4	PMA/1802	ARCHANA KUMARI	RS	MATHS
5	PPH/1604	PRADEEP BHATIA	RS	PHYSICS
6	PME/1808	SANDEEP KR YADAV	RS	MECH
7	PCE/1602	KALEEM AHMAD	RS	CHEMICAL
8	1731681	RAKESH KUMAR	UG	CHEMICAL
9	PGMSE/1850105	SURYA VIJAY SINGH	PG	MECH
10	PGMSE/1850125	RISHIKESH KUMAR	PG	MECH
11	GCT/1830160	YASH ARORA	UG	CHEMICAL
12	PGMSE/1850124	PRASHANT SHUKLA	PG	MECH
13	PGMSE/1850129	PRABHAT	PG	MECH
14	PFE/1501	ANURADHA SAINI	RS	FOOD
15	PFE/1802	PALAK	RS	FOOD
16	PFE/1804	RAVNEET KAUR	RS	FOOD
17	PFE/1805	PRAJYA ARYA	RS	FOOD
18	PFE/150	RAM KADUJI	RS	FOOD
19	PFE/1703	DIVYANI PANWAR	RS	FOOD
20	PFE/1308	RUPINDER KAUR	RS	FOOD
21	PGMSE/1850130	VIKAS KAUSHAL	PG	MECH
22	PFE/1504	RIMPI FAUJDAR	RS	FOOD
23	GME/1731757	RAJNISH KUMAR	UG	MECH
24	PFE/1807	TEJINDER KAUR	RS	FOOD
25	PFMSE/1850116	SHIVANSHU KUMAR	PG	MECH
26	PGMSE/1850103	NITIN KUMAR	PG	MECH
27	PFE/1701	MOHD. AAQIB SHEIKH	RS	FOOD
28	PFE	RASHMI RAWAT	RS	FOOD
29	PFE/1506	NISAR AHMAD MIR	RS	FOOD
30	GCT/1731677	SAURABH SINGH	UG	CHEMICAL
31	GCT/1731071	VAYANT SINGH	UG	CHEMICAL
32	PCE/1601	ANIL KUMAR	RS	CHEMICAL
33	PME/1801	VIKRANT GULERIA	RS	MECH
34	GCT/121629	NIMMI KUMARI	UG	CHEMICAL
35	PME/1706	SUMIT SAINI	RS	MECH
36	GCT/1740808	PRIVANKA	UG	CHEMICAL
37	GCT/1740801	TANYA NIM	UG	CHEMICAL
38	GCT/121652	PUJA KUMARI	UG	CHEMICAL
39	GCT/1740809	PRAGYA SHARMA	UG	CHEMICAL
40	GCT/1740807	MURALIDHAR	UG	CHEMICAL
41	GCT/1740803	PRABHAT	UG	CHEMICAL
42	GCT/1830140	GAURAV	UG	CHEMICAL
43	GCT/1740802	ARVIND	UG	CHEMICAL
44	PGMSE/1850127	SUTYA PRATAP	PG	MECH
45	GCT/1830161	SOMESH	UG	CHEMICAL
46	GCT/1830155	HARE RAM	UG	CHEMICAL
47	GCT/1830154	ASHISH	UG	CHEMICAL
48	GCT/1731667	RAJNIKANT	UG	CHEMICAL
49	GCT/SL/15/4131	SHRDHHA SINGH	UG	CHEMICAL
50	GCT/SL/15/4132	APOORVA	UG	CHEMICAL
51	GCT/15/4119	SAGAR JHA	UG	CHEMICAL

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*Signature*

*Signature*

52	GCT/1731102	ARVIND	UG	CHEMICAL
53	GCT/1640023	AMAN	UG	CHEMICAL
54	GCT/121612	ANSHU	UG	CHEMICAL
55	GCT/1830802	VIMAL	UG	CHEMICAL
56	GCT/1830168	BHAVJOT	UG	CHEMICAL
57	GCT/1830159	AJAY	UG	CHEMICAL
58	GCT/1830804	ABHISHEK	UG	CHEMICAL
59	GCT/1830164	SAHIL	UG	CHEMICAL
60	GCT/1731680	DEEPU	UG	CHEMICAL
61	GCT/1640040	SONU	UG	CHEMICAL
62	GCT/1630138	RAUNAK	UG	CHEMICAL
63	GCT/1630141	ADARSH	UG	CHEMICAL
64	GCT/1630182	HEMANT	UG	CHEMICAL
65	GCT/121641	MONA	UG	CHEMICAL
66	GCT/1731663	HRIKIK	UG	CHEMICAL
67	GCT/1731674	PANKAJ	UG	CHEMICAL
68	GCT/1731661	VENKATA SWAMY	UG	CHEMICAL
69	GCT/1731664	RUPAM	UG	CHEMICAL
70	GCT/1731676	JATIN	UG	CHEMICAL
71	GCT/1731665	AMARJEET	UG	CHEMICAL
72	GCT/1640053	SANTOSH	UG	CHEMICAL
73	GCT/1640084	REENA	UG	CHEMICAL
74	GCT/1640095	DEEPSHIKHA	UG	CHEMICAL
75	GCT/1640038	MANISH	UG	CHEMICAL
76	GCT/1640018	ASHISH	UG	CHEMICAL
77	GCT/1731106	SHIV KUMAR	UG	CHEMICAL
78	GCT/1731669	SUPRIYA	UG	CHEMICAL
79	GCT/1731668	MIMANSHA	UG	CHEMICAL
80	GCT/1731670	AKSHAY	UG	CHEMICAL
81	GCT/1731104	JYOTI	UG	CHEMICAL
82	GCT/1731108	SUMAN	UG	CHEMICAL
83	GCT/1731107	NIDHI	UG	CHEMICAL
84	GCT/1731110	MEENAKSHI	UG	CHEMICAL
85	GCT/1640101	AMIT	UG	CHEMICAL
86	GCT/164102	RITESH	UG	CHEMICAL
87	GCT/1731115	PRASHANTA	UG	CHEMICAL
88	GCT/1731111	RAJESH	UG	CHEMICAL
89	GCT/1731673	SWIKRITI	UG	CHEMICAL
90	GCT/1630123	POONAM	UG	CHEMICAL
91	GCT/121626	SWETA	UG	CHEMICAL
92	GCT/1630145	RISHIKESH	UG	CHEMICAL
93	GCT/1731672	DIVYA	UG	CHEMICAL
94	GCT/1731671	SURAJ KUMAR	UG	CHEMICAL
95	GCT/1830157	RAJNISH	UG	CHEMICAL
96	GCT/1830153	RITESH	UG	CHEMICAL
97	GCT/1830167	MUKESH	UG	CHEMICAL
98	GCT/1731109	SAGAR	UG	CHEMICAL
99	GCT/1630138	RAUNAQUE	UG	CHEMICAL
100	GCT/1731666	RISHIKESH	UG	CHEMICAL
101	PPH/1803	AKANKSHA	RS	PHYSICS
102	PMA/1805	ROJI BALA	RS	MATHS
103	PMA/1801	NARBDA RANI	RS	MATHS
104	GCT/1830165	NITIN KUMAR	UG	CHEMICAL
105	GCT/1731679	RAUSHAN	UG	CHEMICAL
106	GCT/1731105	KAILASH	UG	CHEMICAL


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17/1/19


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TECHNICAL  
DEPT  
17/1

107	GCT/SL/15/4127	NISHANT	UG	CHEMICAL
108	GCT/SL/15/4125	SHASHWAT	UG	CHEMICAL
109	GCT/1630134	LARITY	UG	CHEMICAL
110	GCT/1830135	BHWARTH	UG	CHEMICAL
111	GCT/1731083	ANAND RAJ	UG	CHEMICAL
112	GCT/1731113	ANKIT KUMAR	UG	CHEMICAL
113	GCT/1731114	ABHISHĒK	UG	CHEMICAL
114	GCT/1830147	RAJNISH	UG	CHEMICAL
115	GCT/1830124	KESHAV NANDA	UG	CHEMICAL
116	GCT/1830151	NAKUL	UG	CHEMICAL
117	GCT/1830166	SHUBHAM	UG	CHEMICAL
118	GCT/1830149	RISHABH	UG	CHEMICAL
119	GCT/1830148	HEMENT	UG	CHEMICAL
120	GCT/1740811	CHIRRA SAT SRUTHI	UG	CHEMICAL
121	GCT/1740812	SRISTI	UG	CHEMICAL
122	GCT/1830163	KIRTI	UG	CHEMICAL
123	GCT/1830128	HEERA BABU	UG	CHEMICAL
124	GCT/1830137	IMRAN ANSARI	UG	CHEMICAL
125	GCT/1830136	ASHUTOSH	UG	CHEMICAL
126	GCT/1830130	SHASHI KANT	UG	CHEMICAL
127	GCT/1830139	ANKIT	UG	CHEMICAL
128	PME/1804	GOVIND	RS	MECH
129	GCT/1830133	KUMAR SANU	UG	CHEMICAL
130	GCT/1830138	AYUSH	UG	CHEMICAL
131	GCT/1830158	ARIBA	UG	CHEMICAL
132	GCT/1630130	ANJALI	UG	CHEMICAL
133	GCT/1630113	ABHINAY	UG	CHEMICAL
134	GCT/1630125	ANKIT	UG	CHEMICAL
135	FACULTY	SUNIL KUMAR		EIE
136	GCT/1830132	AVINASH	UG	CHEMICAL
137	GCT/121615	SWAPNIL	UG	CHEMICAL
138	GCT/1630137	KAHKASHAN KHAN	UG	CHEMICAL
139	GCT/121668	SURABHI	UG	CHEMICAL
140	GCT/1731678	PRASHANT	UG	CHEMICAL
141	GCT/SL/15/4130	KAJAL	UG	CHEMICAL
142	GCT/SL/15/4503	VINITA	UG	CHEMICAL
143	GCT/1630128	ARUN	UG	CHEMICAL
144	GCT/1630132	HARENDRA SINGH	UG	CHEMICAL
145	GCT/1630132	ASHISH SHARMA	UG	CHEMICAL
146	GCT/1630218	NIDHI	UG	CHEMICAL
147	GCT/SL/15/4123	ANKUR	UG	CHEMICAL
148	GCT/1630104	SUKHWINDER KAUR	UG	CHEMICAL
149	GCT/SL/15/4117	KARTIK UTTAM	UG	CHEMICAL
150	GCT/1630183	AYUSH	UG	CHEMICAL

  
 Coordinator  
 (Dr. Anil Rai)

  
 Head, Chemical Engineering

  
 Coordinator  
 (Dr. Nikhil Prakash)