



Date: 27 April 2020

Mechanical Engineering Department

Summer Internship Program

As per instructions from BTU/RTU, summer internship will be organized online for all I, II and III Year Mechanical Students.

The online summer internship for Mechanical Engineering students will commence **from May 1, 2020**. The tentative schedule will be as follows:

S. No.	Area of Training	Agency/certification partner	Duration of Training	Link for Course/Training
1.	Career Edge (soft skills)	TCS iON Digital Learning (Free of Cost)	15 days (23 Hrs)	https://learning.tcsionhub.in/courses/career-edge/
2.	Communication Skills	TCS iON Digital Learning (Free of Cost)	1 Day (2 Hours)	Click here to access
3.	Soft Skills	TCS iON Digital Learning (Free of Cost)	1 Day (2 Hours)	Click here to access
4.	Career Enhancement Program	TCS iON Digital Learning (Free of Cost)	10 Days (18 hours)	click here for access
5.	MATLAB (free sign up required for accessing)	Mathworks (Free of Cost)	1 Day (2 Hrs)	https://matlabacademy.mathworks.com/
6.	Simulink	Mathworks (Free of Cost)	1 Day (3 Hours)	https://www.mathworks.com/learn/tutorials/simulink-onramp.html
7.	Machine Learning (pre-requisite Matlab)	Mathworks (Free of Cost)	1 Day (3 Hours)	https://in.mathworks.com/learn/tutorials/machine-learning-onramp.html
8.	State flow (pre-requisite Matlab & Simulink)	Mathworks (Free of Cost)	1 Day (2 hours)	https://in.mathworks.com/learn/tutorials/stateflow-onramp.html



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9.	Mechanical related E-Learning Modules	Tata Steel E-learning (Charges Rs.1.00 +18% GST for each module) registration validity upto April 30, 2020	12 days (34 Hrs)	https://capabilitydevelopment.org/page/snti-courses
	Total Duration (Hours)		45 Days (89 Hours)	

Note:

1. If student want to follow above courses/training, please fill this google form:

<https://forms.gle/1T4VLHQrTc3wXACb6>

- Students are required to collect all certificates which will be provided by end of above courses and keep them safe. Those certificates will be required to evaluate credit/marks.
- Department has planned for online internship for the mention duration only. For the remaining duration students undergoes online training at their own level. Prescribed Duration of the Online training by the university are as follows:
 - First year to second year moving Students: 21 Days (Minimum 60 hours)
 - Second year to third year moving students : 45 Days (Minimum 120 hours)
 - Third year to final year moving students : 45 Days (Minimum 180 hours)
- Department may add more such certifications during the training.
- During the Courses any financial liability will be borne by the respective students only.
- Digital certificates will issue by the respective agency on completion of course and fulfillment of the course requirements. Faculty coordinator will guide the students and act as facilitator only.

(Mr. Kamal Singh) (Mr. Jagbir Singh) (Mr. Vinod Kumar Verma) (Dr. Alok Khatri)

(III Year Coordinator) (II Year Coordinator) (Main Coordinator) (HOD)



List of courses offered by Tata Steel E-learning platform

<https://capabilitydevelopment.org/page/snti-courses>

Sr. No.	Course	Hrs
1.	Compressor	2.0
2.	Fuel And Combustion – Metallurgy	9.0
3.	Measuring Instruments – Mechanical	1.0
4.	Bearing – Mechanical	3.0
5.	Heat Treatment - Mechanical/Metallurgy	1.0
6.	Bulk Material Handling –Mechanical	3.0
7.	Industrial Water System – Mechanical	2.0
8.	Desulphurization – Metallurgy	1.0
9.	Basic Metallurgy – Metallurgy	1.0
10.	Primary Steel Making	1.0
11.	Total Quality Management	3.5
12.	Industry 4.0	6.0
	Total duration of proposed courses	33.50 Hrs (12 days)

Students can also choose below mention courses/internship as per his/her interest.

Engineering College Ajmer

Mechanical Engineering Department

I, II and III Year Mechanical Student are required to go for online training for period of 15 to 45 days. Below Mentioned detail can help student to choose agency/course for internship

Compulsory duration of course for I Year: 15 days, II Year: 30 days, III Year: 45 days

S.No.	Name of Course/Internship	Providing Agency	Duration (days)	Paid/Free	Link to apply
1	Various Courses (Bearing, heat treatment, etc)	Tata Steel	As per course	Paid (1 Rs only)	https://www.capabilitydevelopment.org/
2	Matlab Fundamental	diyguru	30 days	paid (5000)	https://www.diyguru.org/course/matlab-fundamentals/



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3	Various Courses	diyoguru	As per course	Paid	https://www.diyoguru.org/all-courses/
4	Solid Works	Intershala	6week	Paid (1499)	https://trainings.intershala.com/solidworks-training
5	Various Courses	Intershala	As per course	Free/paid	https://trainings.intershala.com/?utm_source=intershala-menu-dropdown-FTUD1
6	Various courses on AutoCAD, CAE, etc	Samyak	As per course	Paid	https://www.samyakinfotech.com/online-courses-by-samyak/
7	Mechatronics Revolution: Fundamentals and Core Concepts	MIT open courseware	8 weeks	Free/paid	https://www.edx.org/course/mechatronics
8	Various Courses	MIT open courseware	As per course	Free/paid	https://www.edx.org/course/subject/engineering
9	Machine Learning	Stanford	64 hours	Free	https://www.coursera.org/learn/machine-learning
10	Various courses	Coursera	As per course	Free	https://www.coursera.org/courses?query=free
11	Engineering Project Management: Risk, Quality, Teams, and Procurement	Coursera	As per course	Free (on trail basis)	https://www.coursera.org/learn/project-risk-quality-management
12	English for Career Development	Coursera	27 hours	Free (on trail basis)	https://www.coursera.org/learn/careerdevelopment
13	Model Thinking	Coursera	43 hours	Free (on trail basis)	https://www.coursera.org/learn/model-thinking
14	English for Science, Technology, Engineering, and Mathematics	Penn	23 hours	Free (on trail basis)	https://www.coursera.org/learn/stem
15	Various Courses on AutoCAD, Solidworks, Creo, Staadpro etc.	CADD Centre	As per course	Paid	https://forms.gle/mvUYMd3NWb7LJ6td7