

STATE INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH

Department of Technical Education, Govt. of Kerala

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No.SITTTR/179/2024-P3

Dated 09.01.2025 .

CIRCULAR

Sub:- Education – Technical - SITTTR, Kalamassery - Lateral Entry admission - Bridge course – reg.

Ref : - GO(Rt) No. 1008/2024/HEdn, Thiruvananthapuram dated 08/08/2024

The following guidelines are issued for the smooth conduct of Bridge course classes for Lateral Entry students. Principals of all Govt. / Govt. Aided/Govt. Cost-sharing/Self-financing Polytechnic Colleges shall follow the same.

1. Each institution shall conduct appropriate bridge courses as included, by providing additional classes to the lateral entry students during morning/ evening/ holidays in online/contact mode.
2. Conduct examinations for the courses as per Ref 1 and prepare all documents and assessments for further scrutiny of SBTE and to meet CTE stipulations.
3. For the award of a diploma, the students shall earn a “Pass” in the examinations in these courses.
4. Bridge course classes shall be conducted without affecting regular classes for the Lateral Entry Candidates.
5. Students shall maintain student records for Engineering Workshop Practice and program-specific practicals, which shall be certified by faculty /HOD.
6. The head of the Department and the faculty concerned are directed to ensure sufficient theory classes are conducted and sufficient experiments are performed in the laboratory/workshop so that students can attain outcomes as in the curriculum and continue their studies in higher semesters.
7. A common register shall be maintained to record all details of conducting bridge courses, and it shall be verified by concerned HoDs/bridge course coordinators.

The list of Common courses and Program specific courses to be passed by Lateral Entry students admitted from 2022-23 onwards is enclosed.

Signed by Ani Abraham**Date: 13-01-2025 13:38:46****JOINT DIRECTOR.**

To

Joint Controller of Technical Examinations, Thiruvananthapuram

LATERAL ENTRY BRIDGE COURSE

SCHEME: Revision 2021

Sl.No	Category	Programme	Course Code	Course Name	Teaching Scheme				Evaluation Scheme				REMARK
					Contact Hours/ week				Continuous Assessment	End Semester Assessment	Total Marks	Examination	
					L	T	P	Total					
1	PLUS TWO / VHSE	Common course	1005	Engineering Graphics	0	0	3	3	50	75	125	D	
2			2009	Engineering Workshop Practice	0	0	3	3	75	50	125	P	
3	ITI / KGCE	Common course	2002	Mathematics II	4	0	0	4	50	75	125	T	
4			2003	Applied Physics II	3	0	0	3	50	75	125	T	
PROGRAM SPECIFIC COURSES													
1	VHSE and ITI/KGCE category	Architecture	2182	Fundamentals of Architecture	3	0	0	3	50	75	125	T	
			2181	Basic Architectural Drawing	1	0	2	3	50	75	125	P	
2		Artificial Intelligence	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T	
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P	
3		Artificial Intelligence and Machine Learning	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T	
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P	
4		Automation and Robotics	2331	Foundations of Robotics	3	0	0	3	50	75	125	T	
			2379	Foundations of Robotics Lab	0	0	3	3	75	50	125	P	
5		Automobile Engineering	2051	Basic Automobile Engineering	3	0	0	3	50	75	125	T	
			2059	Automobile Service Lab I	0	0	3	3	75	50	125	P	
6		Biomedical Engineering	2041	Basic Electronics	3	0	0	3	50	75	125	T	
			2049	Electronics Tinkering Workshop	0	0	3	3	75	50	125	P	
7		Chemical Engineering	2071	Chemical Process Principles	3	0	0	3	50	75	125	T	
			2078	CAD Lab	0	0	3	3	75	50	125	P	
8		Civil Engineering	2011	Basic Surveying	3	0	0	3	75	50	125	T	
			2019	Basic surveying Lab	0	0	3	3	75	50	125	P	
9		Civil & Environmental Engineering	2011	Basic Surveying	3	0	0	3	75	50	125	T	
			2019	Basic surveying Lab	0	0	3	3	75	50	125	P	
10		Civil & Rural Engineering	2011	Basic Surveying	3	0	0	3	75	50	125	T	
			2019	Basic surveying Lab	0	0	3	3	75	50	125	P	
11		Civil Engineering & Planning	2011	Basic Surveying	3	0	0	3	75	50	125	T	
			2019	Basic surveying Lab	0	0	3	3	75	50	125	P	
12		Cloud Computing and Big Data	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T	
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P	
13		Communication and Computer Networking	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T	
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P	
14		Computer Engineering	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T	
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P	
15		Computer Hardware Engineering	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T	
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P	
16		Computer Science & Engineering	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T	
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P	

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17	Program Specific Courses common to Plus two/	Cyber Forensic and Information Security	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T			
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P			
18		Electrical and Electronics Engineering	2032	Elementary Concepts of Electrical Systems	3	0	0	3	50	75	125	T			
			2038	Engineering Graphics using CAD software	0	0	3	3	75	50	125	P			
19		Electrical Engineering & Electrical Vehicle Technology	2411	Introduction to Electric Vehicles & Elementary Theory	3	0	0	3	50	75	125	T			
			2038	Engineering Graphics using CAD software	0	0	3	3	75	50	125	P			
20		Electronics & Communication Engineering	2041	Basic Electronics	3	0	0	3	50	75	125	T			
			2049	Electronics Tinkering Workshop	0	0	3	3	75	50	125	P			
21		Electronics Engineering	2041	Basic Electronics	3	0	0	3	50	75	125	T			
			2049	Electronics Tinkering Workshop	0	0	3	3	75	50	125	P			
22		Fire Technology & Safety	2461	Principles of Safety Management	3	0	0	3	50	75	125	T			
			2469	Computer Applications in Fire Technology & Safety	0	0	3	3	75	50	125	P			
23		Food Processing Technology	2421	Fundamentals of Food Processing Technology	3	0	0	3	50	75	125	T			
			2429	Fundamentals of Food Processing Technology Lab	0	0	3	3	75	50	125	P			
24		Information Technology	2131	Problem Solving and Programming	3	0	0	3	50	75	125	T			
			2139	Problem Solving and Programming Lab	0	0	3	3	75	50	125	P			
25		Instrumentation Engineering	2081	Electronic Instrumentation	3	0	0	3	50	75	125	T			
			2089	Electronic Instrumentation Lab	0	0	3	3	75	50	125	P			
26		Integrated Circuit Design & Fabrication	2041	Basic Electronics	3	0	0	3	50	75	125	T			
			2049	Electronics Tinkering Workshop	0	0	3	3	75	50	125	P			
27		Mechanical Engineering	2022	Manufacturing Technology	3	0	0	3	50	75	125	T			
			2028	Basic CAD Lab	0	0	3	3	75	50	125	P			
28		Mechatronics	2022	Manufacturing Technology	3	0	0	3	50	75	125	T			
			2049	Electronics Tinkering Workshop	0	0	3	3	75	50	125	P			
29		Polymer Technology	2091	Fundamentals of Polymer science	3	0	0	3	50	75	125	T			
			2099	CAD Lab I	0	0	3	3	75	50	125	P			
30		Printing Technology	2101	Basics of Printing Processes	3	0	0	3	50	75	125	T			
			2109	Office Automation Workshop	0	0	3	3	75	50	125	P			
31		Renewable Energy	2291	Basic Electrical Engineering & Renewable Technology	3	0	0	3	50	75	125	T			
			2038	Engineering Graphics using CAD software	0	0	3	3	75	50	125	P			
32		Robotic Process Automation	2301	Introduction to Computation and Programming	3	0	0	3	50	75	125	T			
			2339	Introduction to Computation and Programming Lab	0	0	3	3	75	50	125	P			
33		Textile Technology	2061	Textile Fibres	3	0	0	3	50	75	125	T			
			2069	Basic Textile Mechanics Lab	0	0	3	3	75	50	125	P			

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34		Tool and Die Engineering	2111	Production Engineering I	3	0	0	3	50	75	125	T		
			2028	Basic CAD Lab	0	0	3	3	75	50	125	P		
35		Wood and Paper Technology	2121	Botany and anatomical structures	3	0	0	3	50	75	125	T		
			2129	Botany Lab	0	0	3	3	75	50	125	P		

* Evaluation - For all bridge courses in Lateral entry, evaluation will be as per GO(Rt) 1008/2024/Hedn, dated 08/08/2024