



**BIKANER TECHNICAL UNIVERSITY, BIKANER**  
**बीकानेर तकनीकी विश्वविद्यालय, बीकानेर**  
**OFFICE OF THE DIRECTOR ACADEMIC AFFAIRS**



Ref. No.: BTU/Acad./F(17)/2020-21/ 1606

Date: 30/01/2021

**OFFICE ORDER**

In pursuance of AICTE guidelines vide circular AICTE/AB/SCR/Circular/Lateral Entry 2020-21 Dated 17-09-2020 regarding lateral student admitted in 3<sup>rd</sup> semester of B. Tech. course (through Diploma, B.Sc. and D. Voc.), RTU has laid down guidelines and syllabus of Bridge course vide office order no. RTU/Acad./F(17)04/Bridge Course(LEEP)/ 20 /2773 dated 24.12.2020 and office order no. RTU/Acad./F(17)04/Bridge Course(LEEP)/ 20 /2889 dated 12.01.2021.

As per resolution of BoM agenda item no. BoM 1.6 dated 07.09.2018, Bikaner Technical University has been following Scheme and Syllabus of RTU, Kota for B.Tech. courses, therefore the same guidelines are being adopted with immediate effect.

This bears the approval of Hon'ble Vice Chancellor.

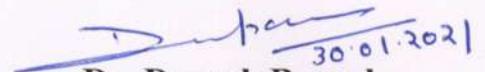
**Encl.: Guidelines and Syllabus of Bridge Course**

  
30.01.2021  
**Dr. Y.N. Singh**

**Director, Academic Affairs**

Reg. No.: 1607-1611 Date: 30/1/2021  
Copy forwarded for information and necessary action to:

1. PS to HVC
2. PS to Registrar
3. CoE
4. Principal/Director of all affiliated Colleges
5. File

  
30.01.2021  
**Dr. Deepak Bansal**  
**Assistant Dean, Academics**





# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Guideline & Syllabus Bridge Course 2020-21 and onwards

OFFICE OF THE DEAN, ACADEMIC AFFAIRS  
RAJASTHAN TECHNICAL UNIVERSITY, KOTA  
RTU/Acad./F(17)04/Bridge Course(LEEP)/20/ 2773-77 Date: 23.12.2020  
24.

### OFFICE ORDER

As per resolution of 27<sup>th</sup> (Special) meeting of Faculty of Engineering & Architecture (FOEA) held on 18.11.2020 and subsequent approval of Academic Council vide agenda AC 31.1T in 36<sup>th</sup> Board of Management at agenda 36.4, the guidelines for the Bridge Course for the students admitted to the 2<sup>nd</sup> year during session 2020-21 through Lateral Entry (LEEP) has been approved.

Encl.: Bridge Course Guidelines

  
(Prof. D.K. Palwalia)  
Dean Academic Affairs

C.C.to:

1. PS to HVC for information
2. Dean FOEA
3. Controller of Examinations, RTU Kota – to initiate action accordingly.
4. Registrar (Member Secretary) Academic Council, RTU Kota
5. Dr. Deepak Bhatia, Web Master- to upload the Guidelines for Bridge Course for LEEP students admitted during session 2020-21 on University Website.

  
(Diwakar Joshi)  
Dy. Registrar A/A



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Guideline & Syllabus Bridge Course 2020-21 and onwards

Ref.: F. No. AICTE/Ag/SCR/Circular/Lateral Entry 2020-21 Date: 17-09-2020

### Bridge Course

#### 1. Bridge Course [For students admitted through Lateral Entry to Second year]

It will be an audit course for all branches of UG Engineering & Technology students admitted through Lateral Entry to Second year (through Diploma, B.Sc. and D. Voc.). No Marks will be added. But Student has to pass these Courses; in order have basic knowledge of Mathematics, Programming for Problem Solving and Engineering Graphics/ Engineering Drawing.

#### 2. Guidelines for Evaluation of Bridge Course

As per the Clause 1.3(Viii) of APH AIY 2020-21 for the admission for Diploma Students into Engineering and Technology (UG Courses) under lateral entry, students have to qualify a Bridge Course as per University norms.

S. No.	Course Code	Course Title	Applicable for the LEEP entry students admitted through
1	BTBC-01	Fundamentals of Engineering Mathematics	Diploma and D. Voc. Stream
2	BTBC-02	Programming for Problem Solving	All (Diploma, B. Sc. Stream and D. Voc. Stream)
3	BTBC-03	Engineering Graphics/Drawing	Only for B. Sc. Stream

- The Bridge Course shall be an audit course with internal assessment only, the award of which shall not be counted for the overall B. Tech. Course credit and percentage. However, the grades will be reflected in the mark sheet of the student.
- The above courses may be completed through classroom teaching/ equivalent Massive Open Online Courses (MOOCs) or Certification Course (to be decided by the Institute), as per RTU guideline.
- Institutes/Colleges have to arrange classes as per RTU syllabus at their own level.
- This Bridge Course will be implemented from the III Semester. The students have to clear the Bridge Course preferably during the second year.
- The Bridge Course will be evaluated on the basis of Internal Assessment to be conducted by the Host Institute before the End term Examination of that semester.
- For passing the Bridge Course, candidate must obtain at least Grade D as per RTU norms.

#### 3. Question Paper pattern for Bridge Course Exam (For the courses opted as classroom teaching)

Maximum Marks =100

Bridge Course Subjects	Exam (Hours)	Mid Term Exam (30%)	Final Theory Exam (70%)	Total Maximum Marks
	3 hours	30	70	100



# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

## Guideline & Syllabus Bridge Course 2020-21 and onwards

Exam Duration		Final Theory Exam Max. Marks (70)	
3 Hours	Part A	10/10	10x2=20
	Part B	5/7	5x4=20
	Part C	3/5	3x10=30

- Part-A will contain 10 questions, covering full syllabus of 2 marks each. Word limit for answer is 25 words.
- Part-B will contain 5 out of 7 questions of 4 marks each. Word limit is 100 words.
- Part-C will contain 3 out of 5 questions of 10 marks each. Questions will be based on Problem Solving skills.

B. Tech.-BRIDGE COURSE							
For all students admitted through Lateral Entry (LEEP) to Second year							
S.No.	Course Code	Course Title	Hours		Marks		
			L	P	MT	FTE	Total
1	BTBC-01	Fundamentals of Engineering Mathematics*	3	-	30	70	100
2	BTBC-02	Programming for Problem Solving*	3	-	30	70	100
3	BTBC-03	Engineering Graphics/Drawing*	3	-	30	70	100

\* The above courses may be completed through classroom teaching/ equivalent Massive Open Online Courses (MOOCs) or Certification Course (to be decided by the Institute), as per RTU guideline

### Bridge Course

L= Lecture, P = Practical, MT=Mid Term, FTE = Final Theory Exam