भारतीय प्रौद्योगिकी संस्थान तिरुपति

IIT

TIRUPATI

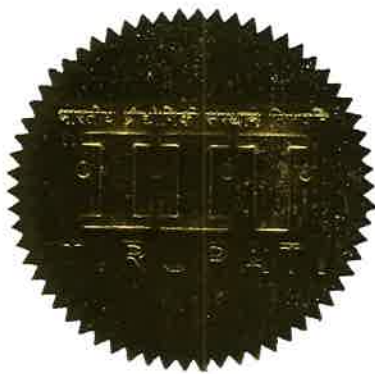# Indian Institute of Technology Tirupati

hereby confers the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

on

Bommin Bam

Given this day the twenty ninth of October, 2022 under the seal of the Institute

Registrar

Director & Chairman, Senate

Chairman, Board of Governors

Indian Institute of Technology Tirupati

(An Autonomous Institution under Ministry of Education, Govt. of India)

Yerpedu-Venkatagiri Road, Tirupati - 517 619

B.Tech Grade Card

Roll No. : CE18B030

Name : BOMMIN BAM

Branch : CIVIL ENGINEERING

Course	Title	Cat	Cr	Gr	Att
First Semester (July-Dec 2018)					
CY1202	Organic and Inorganic Chemistry	SCY	3	D	VG
CY1204	Chemistry Laboratory	SCY	2	B	VG
EA1101	Engineering Drawing	BES	3	C	VG
EA1103	Workshop-I	BES	2	B	VG
ID1101	Concepts in Engineering and Design	BET	2	C	VG
MA1101	Calculus	SMA	4	U	VG
PH1101	Introduction to Classical Mechanics	SPH	3	E	VG
HS1103	Basic Course in German	HPF	2	P	G
Earned Credit(s): 17	**GPA: 5.11**			**CGPA: 5.11**	
Second Semester (Jan-June 2019)					
CY1101	Physical and Theoretical Chemistry	SCY	3	E	VG
EA1202	Workshop-II	BES	2	B	VG
ES1101	Computational Engineering	BET	4	E	G
ES1201	Basic Electrical Engineering	BET	3	D	VG
MA1202	Differential Equations and Matrices	SMA	4	D	G
PH1103	Physics Laboratory	SPH	2	C	VG
PH1202	Intro. to Electrodynamics and Quantum Mechanics	SPH	3	U	G
Earned Credit(s): 18	**GPA: 4.76**			**CGPA: 4.93**	
Summer Course (May-June 2019)					
MA1101	Calculus	SMA	4	D	G
Earned Credit(s): 4	**GPA: 6.00**			**CGPA: 5.53**	
Third Semester (July-Dec 2019)					
CE2101	Strength of Materials	PMT	4	E	G
CE2103	Surveying	PMT	3	B	VG
CE2105	Civil Engineering Materials and Construction	PMT	3	C	G
CE2191	Surveying Practical	PML	2	A	VG
ES2101	Engineering Mechanics	BET	4	U	G
ES2103	Ecology and Environment	BET	2	A	G
HS2010	English for Communication	HSS	3	C	VG
MA2021	Linear Algebra	SMA	3	E	G
Earned Credit(s): 20	**GPA: 5.42**			**CGPA: 5.48**	
Fourth Semester (Jan-June 2020)					
BS2101	Life Sciences	SLS	2	P	VG
CE2202	Structural Analysis	PMT	4	P	G
CE2204	Geology and Soil Mechanics	PMT	4	P	G
CE2206	Fluid Mechanics and Hydraulics	PMT	4	P	VG
CE2292	Structural Engineering Laboratory	PML	2	P	VG
CE2294	Building Drawing	PML	2	P	VG
MA2023	Probability and Statistics	SMA	3	P	VG
Earned Credit(s): 21				**CGPA: 5.48**	

Course	Title	Cat	Cr	Gr	Att
Fifth Semester (July-Dec 2020)					
CE3101	Basic Structural Steel Design	PMT	4	E	VG
CE3103	Water Resources Engineering	PMT	4	E	G
CE3105	Environmental Engineering	PMT	4	C	G
ES2101	Engineering Mechanics	BET	4	D	VG
Earned Credit(s): 16	**GPA: 5.25**			**CGPA: 5.72**	
Sixth Semester (Jan-June 2021)					
CE3202	Basic Reinforced Concrete Design	PMT	4	C	
CE3204	Geotechnical Engineering	PMT	4	C	
CE3206	Transportation Engineering	PMT	4	E	
CE3292	Transportation Engineering Laboratory	PML	2	B	
IL4101	Industrial Lecture	PIL	1	P	
PH1202	Intro. to Electrodynamics and Quantum Mechanics	SPH	3	C	
CE5025	Water Resources Planning and Management	PMT	3	D	
HS2030	International Trade and Finance	HSS	3	B	
Earned Credit(s): 24	**GPA: 6.57**			**CGPA: 6.10**	
Seventh Semester (July-Dec 2021)					
CE3191	Hydraulics and Environmental Engg. Laboratory	PML	2	A	
CE4101	Estimation and Construction Management	PMT	4	C	
CE4103	Functional Design of Buildings	PMT	2	C	
CE4150	Project Phase-I	PMP	3	B	
CE5104	Physicochemical Processes in Water and WasteWater Engineering.	PMT	3	C	
IT3202	Industrial/Research Internship	PIT	2	A	
CE5027	Geotech. Investigations and Foundation Design	PMT	3	C	
Earned Credit(s): 19	**GPA: 7.58**			**CGPA: 6.35**	
Eighth Semester (Jan-June 2022)					
CE3193	Building Materials Laboratory	PML	2	D	
CE4250	Project Phase-II	PMP	6	C	
CE5101	Pavement Materials and Construction	PMT	3	D	
CE5206	Ground Improvement and Geosynthetics	FRE	3	B	
HS2022	English for Communication	HSS	3	B	
HS4202	Professional Ethics	HPE	2	B	
N22CE12	Maintenance and Repair of Concrete Structures*	FRE	3	P	
N22CS29	Introduction to Machine Learning*	FRE	3	P	
Earned Credit(s): 25	**GPA: 7.16**			**CGPA: 6.46**	

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Date: 0 1 JUL 2022

Deputy/Assistant Registrar (Academics)

B.Tech

Attendance rounded to	Remarks	Code
≥95%	Very Good	VG
85-94%	Good	G
<85%	Poor	P

Code for Category				Code for Grades	
S.No.	**Category**	**Code**		**Code**	**Description**
1.	**HUMANITIES**	HSS		S	10 Points
	Professional Ethics	HPE		A	9 Points
2.	**BASIC SCIENCES**			B	8 Points
	Physics	SPH		C	7 Points
	Chemistry	SCY		D	6 Points
	Mathematics	SMA		E	4 Points
	Life Science	SLS		U	0 Point
3.	**ENGINEERING SCIENCE**			I	Incomplete
	Theory	BET		W	0 Point (Insufficient Attendance)
	Skills	BES		P	Pass
4.	**PROFESSIONAL MAJOR**			F	Fail
	Theory Courses	PMT		M	Satisfactory
	Laboratory	PML		N	Unsatisfactory
	Viva-Voce	PMP		X	Completed NSO/NCC/NSS requirements
	Project	PMP		Y	Incomplete NSO/NCC/NSS requirements
	Industrial/Research Internship	PIT			
	Industrial Lecture	PIL			
5.	**FREE ELECTIVES**	FRE			
6.	**EXTRA COURSES**	EXT			

Grades 'S' to 'E', 'P' and 'M' indicate successful completion of course.

Maximum Points that can be obtained is 10.

Minimum requirements for award of B.Tech Degree: 164-167 credits and 5.00 CGPA.

The Student has obtained 'X' Grade in NSS (National Service Scheme) after completing 80 hours of work as per Ordinances and Regulations.

No Class or Division or Rank is awarded at this Institute.

CGPA Calculation:

$$CGPA = \frac{\Sigma\,(C_i \times GP)}{\Sigma\,C_i}$$

Where, C_i is the Credit(s) of the Course
GP is the Grade Point for that Course
GPA is Grade Point Average of a particular Semester
CGPA is Cumulative Grade Point Average

Checked by	Verified by

Note:

* Courses having a Course Number Starting with "N" are MOOCs. A student, who completes a MOOC, would be deemed to have earned the respective credits for completion of the requirements towards the award of the degree. However, such courses are not considered for calculating the GPA/CGPA.

\# Due to the COVID-19 pandemic, Pass/Fail or Satisfactory/Unsatisfactory grades have been awarded for courses in Jan-June 2020 semester. A student receiving Pass/Satisfactory grade would be deemed to have earned the respective credits for completion of the requirements towards the award of the degree. However, the Pass/Satisfactory grades are not considered for calculating the GPA/CGPA.

\$ Due to the COVID-19 pandemic, attendance code is not awarded from Jan-June 2021 semester.