

MANIPAL INSTITUTE OF TECHNOLOGY

(A constituent unit of MAHE, Manipal)

Manipal - 576 104, Karnataka, INDIA Ph.: 91 820 2925911 / 2925912 Fax: 91 820 2571071 Email: academic.section@manipal.edu

OFFICIAL TRANSCRIPT

Nº 016943

(From College Records)

Ref: 1579 2

Name : VIBHU RAMAN BATHEJA

Reg No. : 170904136

Degree : Bachelor of Technology (B.Tech.)

Civil Engineering

Subject	Subject Title	Credit(s)	Grade	
CIE 1001	MECHANICS OF SOLIDS	3	Е	
ECE 1001	BASIC ELECTRONICS	3	E	
HUM 1001	COMMUNICATION SKILLS IN ENGLISH	NSTITE TO 3 CHAOL	E	
MAT 1101	ENGINEERING MATHEMATICS - I	4	D	
MME 1001	BASIC MECHANICAL ENGINEERING	3	E	
MME 1011	WORKSHOP PRACTICE	San 1 or 1 or 1	С	
MME 1111	ENGINEERING GRAPHICS - I	STILL OF 1 CERC	D	
PHY 1001	ENGINEERING PHYSICS 3			
PHY 1011	ENGINEERING PHYSICS LAB	astiti stara ficanoli	В	

Credit Earned: 22 GPA: 5.4

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Subject	Subject Title	Credit(s)	Grade
CIE 2101	FLUID MECHANICS	4	Α
CIE 2102	MECHANICS OF STRUCTURE	4	В
CIE 2103	BUILDING SCIENCE AND TECHNOLOGY	ISTRETE OF ACTION	В
CIE 2104	BASICS OF SURVEYING	3	Α
CIE 2105	ENGINEERING GEOLOGY	3	Α
CIE 2111	BUILDING DESIGN AND DRAWING		С
CIE 2112	MATERIAL TESTING LAB - I	1 1	D
MAT 2104	ENGINEERING MATHEMATICS III	3	В

Credit Earned: 23 GPA: 8.30

Subject	Subject Title	Credit(s)	Grade	
CIE 3101	GEOTECHNICAL ENGINEERING	40.00	Α	
CIE 3102	BASIC STRUCTURAL STEEL DESIGN	4 11 01 4 11 11	В	
CIE 3103	WATER SUPPLY ENGINEERING	3 (180)	В	
CIE 3104	HIGHWAY ENGINEERING	3	В	
CIE 3105	ELEMENTS OF EARTHQUAKE ENGINEERING	3 3 3 6 6	В	
CIE 3111	SOIL MECHANICS LAB	1.00.1	С	
CIE 3112	FLUID MECHANICS LAB	1 100 1000	D	
CIE 4017	AIR POLLUTION AND CONTROL	3	С	

Credit Earned: 22 GPA: 7.91

Subject	Subject Title	Credit(s)	s) Grade			
CIE 4101	ESTIMATING AND CONSTRUCTION MANAGEMENT	4				
CIE 4102	RAILWAY AND AIRPORT ENGINEERING	3	Α			
CIE 4111	COMPUTER AIDED ANALYSIS AND DESIGN LAB	1 0 1 0 0	A+			
CIE 4112	ENVIRONMENTAL ENGINEERING LAB	1	A+			
CIE 4113	ESTIMATION AND COSTING PRACTICE	1	С			
HUM 4001	ESSENTIALS OF MANAGEMENT 3					
CIE 4015	FINITE ELEMENT METHOD OF ANALYSIS	3	A+			
CIE 4016	PRE-STRESSED CONCRETE DESIGN 3					
CIE 4021	ENVIRONMENTAL IMPACT ASSESSMENT AND 3					
redit Earned : 22		GPA:	9.59			

Date: 10 Aug 2021

Year of Admission: July 2017

Year of Completion: July 2021

Subject	Subject Title	Credit(s)	Grade
BIO 1001	BIOLOGY FOR ENGINEERS	3	Α
CHM 1001	ENGINEERING CHEMISTRY	3	Α
CHM 1011	ENGINEERING CHEMISTRY LAB	garas ya 1 00al as	D
CIE 1002	ENVIRONMENTAL STUDIES	3	Α
CSE 1001	PROBLEM SOLVING USING COMPUTERS	3	Α
CSE 1011	PSUC LAB		В
ELE 1001	BASIC ELECTRICAL TECHNOLOGY	3	D
MAT 1201	ENGINEERING MATHEMATICS - II	4	С
MME 1211	ENGINEERING GRAPHICS - II	GEREN MANIFALING GEREN MANIFALING	E

Credit Earned: 22 GPA: 7.86

Subject	Subject Title	Credit(s)	Grade	
CIE 2201	WATER RESOURCES ENGINEERING	4	В	
CIE 2202	ANALYSIS OF INDETERMINATE STRUCTURES	4	Α	
CIE 2203	BASIC REINFORCED CONCRETE DESIGN	4	Α	
CIE 2204	APPLIED SURVEYING	3	D	
CIE 2211	SURVEYING PRACTICE - I	1 1	В	
CIE 2212	GEOLOGY LAB	to a tracing	D	
MAT 2205	ENGINEERING MATHEMATICS - IV	3	С	
CSE 3292	OPEN ELECTIVE - PYTHON PROGRAMMING	3	В	

Credit Earned: 23 GPA: 7.87

Subject	Subject Title	Credit(s)	Grade A	
CIE 3201	APPLIED SOIL ENGINEERING	3		
CIE 3202	WASTE WATER MANAGEMENT	3	Α	
CIE 3211	STRUCTURAL DESIGN AND DRAWING	2	С	
CIE 3212	MATERIAL TESTING LAB - II	ay ya 1 malin	Α	
CIE 3213	SURVEYING PRACTICE - II	Gr saliustiki	В	
HUM 4002	ENGINEERING ECONOMICS AND FINANCIAL MANAGEMENT	3	Α	
CIE 4013	ADVANCED DESIGN OF STEEL STRUCTURES	3	Α	
CIE 4014	ADVANCED REINFORCED CONCRETE DESIGN	3	С	
CSE 3281	DATABASE MANAGEMENT SYSTEMS	3	A+	

Credit Earned: 22 GPA: 8.64

Subject	Subject Title	Credit(s)	Grade
CIE 4297	SEMINAR	1	В
CIE 4298	INDUSTRIAL TRAINING	North State	A+
CIE 4299	PROJECT WORK / PRACTICE SCHOOL	12	A+

MINOR SPECIALIZATION: STRUCTURAL ENGINEERING

Note: The above student has completed all the requirements of the 8 semesters programme and eligible for Bachelors Degree.

Total Credits: 170

ASSOCIATE DIRECTOR (A)

DIRECTOR

DIRECTOR

Manipal Institute of Technology

MANIPAL - 576 104

CGPA: 8.11

ASSOCIATE Director (Academic)
ANIPAL INSTITUTE OF TECHNOLOGY
Manipal - 576 104

Manipal Institute of Technology, Manipal

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This transcript contains the complete academic record of the student

ACADEMIC PROCESS

The University follows semester system of 16 weeks duration with continuous and comprehensive assessment. Each semester of study has minimum requirements of number of course credits that must be taken. The first year B.Tech course of study is common to all branches of Engineering.

The medium of instruction and exam for all courses offered by the institute is English.

Duration of the Course is 8 Semesters for B.Tech and 4 Semesters for M.Tech / MCA.

The entire eighth semester for B.Tech course, fourth semester for MCA as well as third and fourth semesters for M Tech are for project work.

COURSE NUMBERING SYSTEM

The courses offered by each Department are coded with 3 letters indicating the department offering the same. The following codes are used for the different departments:

DEPARTMENT	CODE
Aeronautical and Automobile Engineering	AAE
Bio-medical Engineering	ВМЕ
Bio-Technology	BIO
Chemical Engineering	СНЕ
Civil Engineering	CIV
Computer Science and Engineering	CSE
Electronics and Communication Engineering	ECE
Electrical and Electronics Engineering	ELE
Information and Communication Technology	ICT
Instrumentation and Control Engineering	ICE
Mechanical and Manufacturing Engineering	ММЕ
Mechatronics	MTE
Print and Media Engineering	РМТ
Physics	PHY
Chemistry	СНМ
Mathematics	MAT
Humanities and Management	HUM/HSS
Computer Applications	MCA/DCA

The Department code is followed by 4 digits and the last two digits indicate the subject code.

CREDIT BASED SYSTEM

Each course, theory as well as practical, is expressed in terms of a certain number of credits. The credits are determined by the number of contact hours per week. For theory courses, 1 Hour Lecture / Tutorial per week is assigned 1 Credit where as for practical courses 3 contact hours per week is assigned 1 Credit.

GRADING SYSTEM

10 point grading system is used to award the student an overall letter grade for the course as shown below:

Letter Grade	A+	Α	В	С	D	Е	AP	F/I/DT
Grade Points	10	9	8	7	6	5	0	0

AP: Audit Pass Grade

F: Failure
I: Incomplete

DT: Not permitted to appear for exams due to lack of attendance

The overall performance of a student in each semester is indicated by the Grade Point Average (GPA) which is the weighted average of the grade points expressed as

$$GPA = \frac{\sum_{i=1}^{n} C_i G_i}{\sum_{i=1}^{n} C_i}$$

where n = Number of courses registered

C = Course credits

G = Grade points

The overall performance of the student for the entire programme is indicated by the Cumulative Grade Point Average (CGPA) which is the weighted average of the GPA of all semesters expressed as

$$CGPA = \frac{\sum_{j=1}^{N} GPA_{j}(\sum_{i=1}^{n} C_{i})_{j}}{\sum_{j=1}^{N} (\sum_{i=1}^{n} C_{i})_{j}}$$

where N = Number of Semesters

ELIGIBILITY FOR THE AWARD OF DEGREE

A student completes the requirements for graduation when he/she earns the required number of credits specified for all semesters which make up the course

Total no. of credits required for obtaining:

B.Tech - 170 M.Tech - 75 MCA - 80

Minimum CGPA for Graduation is 5.0 and the Maximum CGPA that can be earned is 10

LATERAL ENTRY TO SECOND YEAR

Holders of three years Diploma in Engineering awarded by the Board of Technical Education in Karnataka or equivalent, or BSc Degree with Mathematics as one of the subjects are eligible to join THIRD Semester under lateral entry scheme