Manipal Institute of Technology

MANIPAL – 576 104, KARNATAKA, INDIA

A Constituent College of Manipal University

प्रज्ञानं ब्रह्म
Manipal
INSPIRED BY LIFE

KNOWLEDGE IS POWER
MANIPAL INSTITUTE OF TECHNOLOGY
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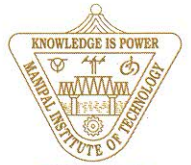
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OFFICIAL TRANSCRIPT
(From College Records)

SL. No.: 28303

Ref.: 1504/15

Date : 04-November-2015

Name	TEJESWINI SUNDARAM
Reg No	110905264
Degree	Bachelor of Technology(B. Tech)
	Computer Science and Engineering

Year of Admission	July 2011
Year of Completion	May 2015

FIRST SEMESTER

Subject Code	Subject Title	Credit(s)	Grade
CHM 101	ENGINEERING CHEMISTRY	4	A+
CIE 103	ENVIRONMENTAL STUDIES	3	A+
CSE 101	PROBLEM SOLVING USING COMPUTERS	4	A+
CHM 111	ENGINEERING CHEMISTRY LAB.	1	A+
ELE 101	BASIC ELECTRICAL TECHNOLOGY	4	A
MAT 101	ENGINEERING MATHEMATICS - I	4	A+
CSE 111	PSUC LAB.	1	A+
MME 103	ENGINEERING GRAPHICS	4	C
Credits earned	**25**	**GPA**	**9.32**

SECOND SEMESTER

Subject Code	Subject Title	Credit(s)	Grade
MAT 102	ENGINEERING MATHEMATICS - II	4	A+
CIE 102	MECHANICS OF SOLIDS	4	A+
ECE 102	BASIC ELECTRONICS	4	A+
MME 102	MECHANICAL ENGINEERING SCIENCES	4	A+
PHY 102	ENGINEERING PHYSICS	4	A
HSS 102	COMMUNICATION SKILLS IN ENGLISH	3	A
MME 106	BASIC WORKSHOP PRACTICE	1	A
PHY 112	ENGINEERING PHYSICS LAB.	1	A+
Credits earned	**25**	**GPA**	**9.72**

THIRD SEMESTER

Subject Code	Subject Title	Credit(s)	Grade
MAT 209	ENGINEERING MATHEMATICS III	4	A+
CSE 201	COMPUTER ORGANIZATION & DESIGN	4	A+
CSE 203	SWITCHING THEORY & LOGIC DESIGN	4	A+
CSE 205	DATA STRUCTURES USING C	4	A+
CSE 207	OBJECT ORIENTED PROGRAMMING USING C++	4	A+
CSE 209	SWITCHING THEORY & LOGIC DESIGN LAB USING VHDL	1	A+
CSE 211	DATA STRUCTURES USING C LAB	1	A+
CSE 213	OBJECT ORIENTED PROGRAMMING USING C++ LAB	1	A+
Credits earned	**23**	**GPA**	**10.00**

FOURTH SEMESTER

Subject Code	Subject Title	Credit(s)	Grade
MAT 212	ENGINEERING MATHEMATICS- IV	4	A
CSE 202	FORMAL LANGUAGES & AUTOMATA THEORY	4	A
CSE 204	RELATIONAL DATABASE MANAGEMENT SYSTEMS	4	A
CSE 206	MICROPROCESSORS	4	A+
CSE 208	EVENT DRIVEN PROGRAMMING USING JAVA	4	A
MME 372	OPEN ELECTIVE - Networks and Project Management	3	A+
CSE 210	MICROPROCESSORS LAB	1	A
CSE 212	JAVA PROGRAMMING LAB	1	A
CSE 214	RELATIONAL DATABASE MANAGEMENT SYSTEMS LAB	1	A
Credits earned	**26**	**GPA**	**9.27**

FIFTH SEMESTER

Subject Code	Subject Title	Credit(s)	Grade
CSE 301	DESIGN AND IMPLEMENTATION OF PROGRAMMING LANGUAGES	4	A
CSE 303	DESIGN AND ANALYSIS OF ALGORITHMS	4	A
CSE 305	SOFTWARE ENGINEERING	4	A+
CSE 307	COMPUTER GRAPHICS	4	A
CSE 309	OPERATING SYSTEM AND LINUX	4	A
CSE 311	COMPUTER COMMUNICATION AND NETWORKS	4	C
CSE 313	DESIGN AND ANALYSIS OF ALGORITHMS LAB	1	A
CSE 315	COMPUTER GRAPHICS LAB	1	A
CSE 317	OPERATING SYSTEM AND LINUX LAB	1	A
Credits earned	**27**	**GPA**	**8.85**

SIXTH SEMESTER

Subject Code	Subject Title	Credit(s)	Grade
HSS 348	OPEN ELECTIVE - Human Factors Engineering & Design	3	A
HSS 302	ESSENTIALS OF MANAGEMENT & ENGINEERING ECONOMICS	4	A+
CSE 302	LANGUAGE PROCESSORS	4	B
CSE 304	NETWORK PROTOCOLS	4	A
CSE 306	PARALLEL COMPUTER ARCHITECTURE & PROGRAMMING	4	A
CSE 324	ELECTIVE I - CRYPTOGRAPHY AND NETWORK SECURITY	4	B
CSE 308	LANGUAGE PROCESSORS LAB	1	A+
CSE 310	COMPUTER NETWORKS LAB	1	A+
CSE 312	PARALLEL PROGRAMMING LAB	1	A+
Credits earned	**26**	**GPA**	**8.96**

SEVENTH SEMESTER

Subject Code	Subject Title	Credit(s)	Grade
CSE 401	DISTRIBUTED COMPUTING SYSTEMS	4	A
CSE 403	ADVANCED INTERNET TECHNOLOGY	4	B
CSE 405	OBJECT ORIENTED ANALYSIS & DESIGN USING UML	4	A+
CSE 421	ELECTIVE - II SOFTWARE TESTING AND ANALYSIS	4	A+
CSE 431	ELECTIVE - III NEURAL NETWORKS AND FUZZY SYSTEMS	4	A+
CSE 433	ELECTIVE - IV DATA WAREHOUSING AND DATA MINING	4	A
CSE 407	ADVANCED INTERNET TECHNOLOGY LAB	1	B
CSE 409	OBJECT ORIENTED ANALYSIS & DESIGN LAB	1	A+
CSE 411	SEMINAR	1	A+
Credits earned	**27**	**GPA**	**9.34**

EIGHTH SEMESTER

Subject Code	Subject Title	Credit(s)	Grade
CSE 402	INDUSTRIAL TRAINING / TOUR	1	A+
CSE 499	PROJECT WORK / PRACTICE SCHOOL	20	A+
Credits earned	**21**	**GPA**	**10.00**

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

TOTAL CREDITS : 200

CGPA : 9.41

04/11/15

ASSOCIATE DIRECTOR (A)

Dr. Gicy M. Kovoor
Associate Director (Academic)
MANIPAL INSTITUTE OF TECHNOLOGY
Manipal - 576 104

DIRECTOR

DIRECTOR
Manipal Institute of Technology
MANIPAL - 576 104

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 BE / B Tech and 4 Semesters for M Tech / MCA.

The entire eighth semester for BE / 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	BME
Bio-Technology	BIO
Chemical Engineering	CHE
Civil Engineering	CIV
Computer Science and Engineering	CSE
Computer and Communication Engineering	CCE
Electronics and Communication Engineering	ECE
Electrical and Electronics Engineering	ELE
Information and Communication Technology	ICT
Instrumentation and Control Engineering	ICE
Mechanical and Manufacturing Engineering	MME
Mechatronics Engineering	MTE
Print and Media Engineering	PMT
Physics	PHY
Chemistry	CHM
Mathematics	MAT
Humanities and Management	HUM/HSS
Computer Applications	MCA

The Department code is followed by 3 digits where in the first digit indicates the year 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+	A	B	C	D	E	AP	F/I/DT
Grade Points	10	9	8	7	6	5	0	0

AP : Audit Pass Grade is applicable only from 2014 admissions
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:

BE / B Tech - 200

M Tech - 75 (90 for admissions prior to 2012)

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 B Sc Degree with Mathematics as one of the subjects are eligible to join THIRD Semester under lateral entry scheme