SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE

(An Autonomous Institute Affiliated to JNTUK, Kakinada)
Accredited by NAAC with 'A+' Grade, All UG Programmes are Accredited by NBA
SRKR Marg, Chinna Amiram: Bhimavaram - 534204 : W.G. Dt., A.P., India.

S.No.: 0002040

CONSOLIDATED MEMORANDUM OF GRADES

Hall Ticket No.	: 19B91A05E7
Name of the Student	: MERAPUREDDY HARSHA APOORV
Name of the Father	: NAGESWARA RAO
Course & Branch	: B.TECH.(COMPUTER SCIENCE AND ENGINEERING)

Year of Admission	: 2019-2020
Month & Year Pass	: APRIL-2023
Medium of Instruction	: ENGLISH

S. No.	COURSE TITLE	Cr.	Gr.	S. No.	COURSE TITLE	Cr.	Gr.
	I YEAR I SEMESTER				**I YEAR II SEMESTER**		
1	ENGLISH	3.00	A	1	DIGITAL LOGIC DESIGN	3.00	C
2	MATHEMATICS-I	3.00	O	2	MATHEMATICS - III	3.00	B
3	MATHEMATICS-II	3.00	A	3	APPLIED PHYSICS	3.00	A
4	COMPUTER FUNDAMENTAL & PROBLEM SOLVING USING C	3.00	B	4	BASIC DATA STRUCTURES AND PYTHON PROGRAMMING	3.00	B
5	APPLIED CHEMISTRY	3.00	B	5	ENGINEERING DRAWING	2.50	A
6	APPLIED CHEMISTRY LAB	1.50	S	6	APPLIED PHYSICS LAB	1.50	O
7	ENGLISH LAB	1.50	S	7	BASICS DATA STRUCTURES AND PYTHON PROGRAMMING LAB	1.50	O
8	COMPUTER FUNDAMENTALS & PROBLEM SOLVING USING C LAB	1.50	S	8	COMMUNICATION SKILLS LAB	2.00	S
9	ENVIRONMENTAL SCIENCE	--	CP	9	ENGINEERING EXPLORATION PROJECT	1.00	O
				10	CONSTITUTION OF INDIA	--	CP
	SGPA :: 8.23				**SGPA :: 7.90**		
	II YEAR I SEMESTER				**II YEAR II SEMESTER**		
1	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	4.00	O	1	PROBABILITY AND STATISTICS	3.00	A
2	SOFTWARE ENGINEERING	3.00	B	2	ADVANCED JAVA PROGRAMMING	3.00	A
3	OBJECT ORIENTED PROGRAMMING	3.00	A	3	OPERATING SYSTEMS	3.00	B
4	ADVANCED DATA STRUCTURES	3.00	B	4	DATA BASE MANAGEMENT SYSTEMS	3.00	C
5	COMPUTER ORGANIZATION	3.00	D	5	DESIGN AND ANALYSIS OF ALGORITHMS	3.00	B
6	OBJECT ORIENTED PROGRAMMING LAB	1.50	O	6	ADVANCED JAVA PROGRAMMING LAB	1.50	O
7	ADVANCED DATA STRUCTURES LAB	1.50	O	7	UNIX OPERATING SYSTEMS LAB	1.00	O
8	PROFESSIONAL ETHICS AND HUMAN VALUES	--	CP	8	DATA BASE MANAGEMENT SYSTEMS LAB	1.50	O
				9	SOCIALLY RELEVANT PROJECT	1.00	O
				10	ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE	--	CP
	SGPA :: 7.95				**SGPA :: 7.90**		
	III YEAR I SEMESTER				**III YEAR II SEMESTER**		
1	DATA WAREHOUSING AND DATA MINING	3.00	A	1	MANAGERIAL ECONOMICS AND FINANCIAL ACCOUNTANCY	3.00	C
2	COMPUTER NETWORKS	3.00	A	2	COMPILER DESIGN	3.00	S
3	FORMAL LANGUAGES AND AUTOMATA THEORY	3.00	O	3	UML & DESIGN PATTERN	3.00	A
4	WEB TECHNOLOGIES	3.00	A	4	ARTIFICIAL INTELLIGENCE	3.00	S
5	COMPUTER GRAPHICS	3.00	A	5	OPERATIONS RESEARCH	3.00	B
6	COMPUTER NETWORKS LAB	1.50	O	6	MOOCS-I	3.00	C
7	WEB TECHNOLOGIES LAB	1.50	O	7	UML LAB	1.50	O
8	DATA MINING LAB	1.50	O	8	DATA ANALYSIS AND VISUALIZATION USING PYTHON LAB	1.50	O
9	EMPLOYABILITY SKILLS -I	--	CP	9	INDUSTRIAL TRAINING/INTERNSHIP	1.00	O
10	ADVANCED CODING	--	CP	10	EMPLOYABILITY SKILLS –II	--	CP
				11	COMPETITIVE CODING	--	CP
	SGPA :: 8.77				**SGPA :: 7.95**		
	IV YEAR I SEMESTER				**IV YEAR II SEMESTER**		
1	CRYPTOGRAPHY AND NETWORK SECURITY	3.00	A	1	MANAGEMENT AND ORGANIZATIONAL BEHAVIOR	3.00	C
2	MACHINE LEARNING	3.00	S	2	DEEP LEARNING	3.00	B
3	INTERNET OF THINGS	3.00	A	3	ALTERNATIVE ENERGY SOURCES	3.00	B
4	MOBILE COMPUTING	3.00	B	4	IOT LAB	2.00	O
5	CLOUD COMPUTING	3.00	A	5	PROJECT WORK-II	7.00	O
6	GREEN BUILDINGS	3.00	C				
7	MACHINE LEARNING LAB	1.50	O				
8	PROJECT WORK-I	2.00	O				
9	IPR & PATENTS	--	CP				
	SGPA :: 8.05				**SGPA :: 8.33**		

No.of Credits Registered	: 160	CGPA	: 8.13
No.of Credits Obtained	: 160	Division	: FIRST CLASS WITH DISTINCTION

Date : 07/06/2023

Controller of Examinations

B.Tech. R19 - Regulations

Award of Grades and Grade Points:

The marks obtained will be converted to 10 point scale then Semester Grade Point Average(SGPA) and Cumulative Grade Point Average (CGPA) are calculated.

S.No.	Marks Range Theory (Max-100)	Marks Range Lab (Max-50)	Letter Grade	Level	Grade Point
1	≥ 90	≥ 45	O	Outstanding	10
2	≥ 80 to <90	≥ 40 to <45	S	Excellent	9
3	≥ 70 to <80	≥ 35 to <40	A	Very Good	8
4	≥ 60 to <70	≥ 30 to <35	B	Good	7
5	≥ 50 to <60	≥ 25 to <30	C	Fair	6
6	≥ 40 to <50	≥ 20 to <25	D	Satisfactory	5
7	<40	<20	F	Fail	0
8			F	Absent	0

Computation of SGPA:

$$SGPA\ (S_i) = \frac{\sum_{i=1}^{n}(C_i \times G_i)}{\sum_{i=1}^{n} C_i}$$

Where C_i is the number of credits of the ith course/subject in a semester and G_i is the grade point scored by the student in the ith course.

SGPA is calculated for a candidate who passed all the credit courses in that semester.

Computation of CGPA:

$$CGPA = \frac{\sum_{j=1}^{m}(C_j \times S_j)}{\sum_{j=1}^{m} C_j}$$

Where S_i is the SGPA of the ith semester and C_i is the total number of credits in that semester

CGPA is calculated for a candidate who passed all the credit courses till that semester.

The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the grade sheets.

$$\text{Equivalent Percentage} = (CGPA - 0.75) \times 10$$

Mandatory/Non-credit Courses:
CP : Completed   **NCP : Not Completed**

A student shall complete all the courses in each semester for the award of the B.Tech. Degree.

Award of Class:

Class Awarded	CGPA to be secured	Remarks
First Class with Distinction	≥ 7.75 (Without any supplementary appearance)	**(Regular Students)** From the CGPA secured from 160 Credits.
First Class	≥ 6.75	
Second Class	≥ 5.75 to < 6.75	**(Lateral Entry Students)** From the CGPA secured from 120 Credits.
Pass Class	≥ 4.75 to < 5.75	

First class with Distinction will be awarded to the students who complete all the courses of the Programme in the first attempt of regular examinations.

Note: For Lateral entry students the Programme is of three years duration as they are directly admitted into II year of the four year B.Tech. Degree.

Verified by :