

GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT



DC 003446

GITAM
(Deemed to be University)
(Estd. u/s 3 of the UGC Act, 1956)

Provisional Certificate cum Consolidated Memorandum of Grades Bachelor of Technology (Electronics & Communication Engineering)

This is to certify that Mr./Ms. *Junnuthula Pranay Reddy* has qualified himself/herself for the award of the Degree of *Bachelor of Technology in Electronics & Communication Engineering* in this Deemed to be University, he/she having been declared to have passed the Examination prescribed therefor held in *April 2019* in *First Class* and that he/she has done all that is necessary for the formal presentation of the *B.Tech Degree*

The following grades were awarded to the candidate:

| S.No. | Name of the Course | Credits | Grade | GPA | S.No. | Name of the Course | Credits | Grade | GPA |
|-----------------------|-------------------------------------|---------|-------|-------------|------------------------|---|---------|-------|-------------|
| First Semester | | | | | Second Semester | | | | |
| | | | | 6.27 | | | | | 5.92 |
| 1 | Engineering Mathematics-I | 3 | P | | 9 | Engineering Mathematics-II | 3 | C | |
| 2 | Communicative English - I | 4 | B+ | | 10 | Communicative English-II | 4 | B+ | |
| 3 | Engineering Physics | 3 | B | | 11 | Physics of Nanomaterials | 3 | A | |
| 4 | Engineering Chemistry | 3 | B | | 12 | Basic Electrical Engineering | 3 | P | |
| 5 | Programming with C | 3 | B | | 13 | Electrical Circuit Theory and Analysis | 3 | P | |
| 6 | Workshop | 2 | B+ | | 14 | Object Oriented Programming with C++ | 3 | P | |
| 7 | Engineering Physics Lab | 2 | B | | 15 | Engineering Graphics | 3 | C | |
| 8 | Programming with C Lab | 2 | A+ | | 16 | Electrical and Electronics Workshop | 2 | O | |
| | | | | | 17 | Engineering Chemistry Lab | 2 | A | |
| Third Semester | | | | | Fourth Semester | | | | |
| | | | | 6.35 | | | | | 7.04 |
| 18 | Complex Variables and Transforms | 3 | C | | 26 | Probability Theory and Random Processes | 3 | B | |
| 19 | Signals and Systems | 3 | B | | 27 | Analog Electronic Circuits | 3 | B | |
| 20 | Electronic Devices and Circuits | 4 | B | | 28 | Linear Integrated Circuits | 4 | B+ | |
| 21 | Digital Logic Design | 3 | C | | 29 | Analog Communications | 3 | B | |
| 22 | Electromagnetic Waves | 4 | C | | 30 | Public Administration | 3 | B | |
| 23 | Digital Logic Design Lab | 2 | A+ | | 31 | Environmental Studies | 3 | A | |
| 24 | Electronic Devices and Circuits Lab | 2 | A | | 32 | Analog Electronic Circuits Lab | 2 | A+ | |
| 25 | Basic Electrical Engineering Lab | 2 | O | | 33 | Analog Communications Lab | 2 | A+ | |
| | | | | | 34 | Circuit Design and Simulation Lab | 2 | A | |

| S.No. | Name of the Course | Credits | Grade | GPA | S.No. | Name of the Course | Credits | Grade | GPA |
|-------------------------|--|---------|-------|-----|------------------------|--|---------|-------|-----|
| Fifth Semester | | | | | Sixth Semester | | | | |
| 7.28 | | | | | 7.52 | | | | |
| 35 | Control Systems Engineering | 4 | B+ | | 44 | Microprocessors and Interfacing | 3 | B | |
| 36 | Digital Signal Processing | 3 | B | | 45 | Engineering Economics and Management | 3 | A | |
| 37 | Antennas and Wave Propagation | 3 | B | | 46 | Computational Methods in ECE | 3 | B+ | |
| 38 | Digital Communications | 3 | B+ | | 47 | Digital Design with Verilog | 3 | B+ | |
| 39 | Transmission Lines and Waveguides | 3 | B+ | | 48 | Introduction to Programming with JAVA | 3 | B+ | |
| 40 | Professional Communication | 3 | A | | 49 | Fundamentals of Wireless Communication | 3 | B | |
| 41 | Digital Communications Lab | 2 | A+ | | 50 | Microprocessors Lab | 2 | A+ | |
| 42 | Digital Signal Processing Lab | 2 | A+ | | 51 | Modern Communications Lab | 2 | A+ | |
| 43 | Linear Integrated Circuits Lab | 2 | A | | 52 | Computational Mechanics Lab in ECE | 2 | O | |
| | | | | | 53 | Seminar | 1 | A+ | |
| Seventh Semester | | | | | Eighth Semester | | | | |
| 7.56 | | | | | 8.37 | | | | |
| 54 | Basic VLSI Design | 3 | B+ | | 64 | Cellular Communications | 3 | B+ | |
| 55 | Microwave Engineering | 3 | B+ | | 65 | Global Positioning Systems | 3 | B | |
| 56 | Professional Ethics And Human Values | 1 | A | | 66 | Introduction to Cloud Computing | 3 | A | |
| 57 | Radar Systems | 3 | B+ | | 67 | Comprehensive Viva | 2 | A | |
| 58 | Computer Networks | 3 | B | | 68 | Project Work | 8 | O | |
| 59 | Entrepreneurship Development | 3 | B+ | | | | | | |
| 60 | Mini Project | 2 | A | | | | | | |
| 61 | VLSI Design Laboratory | 2 | A+ | | | | | | |
| 62 | Design Practice in Electronics & Communication Engineering | 3 | A+ | | | | | | |
| 63 | Summer Internship | 2 | A+ | | | | | | |

| Cumulative Credits | Cumulative Grade Points | Cumulative Grade Point Average | Result |
|--------------------|-------------------------|--------------------------------|-------------|
| 190 | 1332 | 7.01 | First Class |

Prepared by : 

Verified by : 

Visakhapatnam

Date: 07-06-2019


Controller of Examinations

| Classification of Class | | Grade/Grade Points | | | | | | | | |
|------------------------------|-------|--|------------|-------|-------|-------|-------|-------|-------|------|
| First Class with Distinction | ≥8.0* | Grade | O | A+ | A | B+ | B | C | P | F |
| First Class | ≥6.5 | Grade Points | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 0 |
| Second Class | ≥5.5 | % of Marks | 90 & above | 80-89 | 70-79 | 60-69 | 50-59 | 45-49 | 40-44 | 0-39 |
| Pass | ≥5.0 | * In addition to the required CGPA of 8.0, or more, the student must have necessarily passed all the courses of the every semester in first attempt. | | | | | | | | |

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$$\text{Grade Point Average (GPA)} = \frac{\sum [C \times G]}{\sum C}$$

Where C= Number of credits for the course
G= Grade points obtained by the student in the course