

**COMPUTER ENGINEERING DEPARTMENT**

#### Vision: “To contribute to society through excellence in scientific & knowledgeable based education of computer science professional”.

#### Mission:

#### To transform students into technically components, socially responsible & ethical computer science professionals

#### To promote a creative teaching-learning process that will strive for academic excellence in the field of computer engineering.

#### To enhance the technical expertise of students throughworkshop & industry-institute interaction

**Subject Name:- Digital Techniques (313303)**

**Date :-28//07/2024**

**Assignment No :-1 (10 Marks) /**

**Course Outcome:**

CO1 – Apply number system and codes concept to interpret working of digital systems .

**Unit 1:-Number Systems (08M)**

Number system conversion chart. (Should include all the 12 conversions)

**Name of course coordinator: - Mrs. Bhavana Khode.**

**Last date of Submission:- 31/07/2024**

**Date :-09//08/2024**

**Assignment No :-2 (10Marks)**

**Course Outcome:**

CO1 – Apply number system and codes concept to interpret working of digital systems .

**Unit 1:-Number Systems (08M)**

**Write the procedures for the following (like the ones written for the first assignment)**

**1. Binary Arithemetic: Addition, Subtraction, Multiplication and Division.**

**2. Subtraction using 1's and 2's complement method.**

**3. Codes: BCD, Gray code, Excess-3 code, Code conversions.**

**4. BCD Arithemetic: BCD Addition, Subtraction using 9's and 10's complement.**

**Name of course coordinator: - Mrs. Bhavana Khode.**

**Last date of Submission:- 12/08/2024**