

**BAGARIA BAL VIDYA NIKETAN**

**LAXMANGARH-SIKAR**

**SYLLABUS & LESSON PLANNER-2023-24**

|                       |                  |
|-----------------------|------------------|
| <b>Class:-</b>        | VIII             |
| <b>Subject:-</b>      | Computer Science |
| <b>Teacher Name:-</b> |                  |

**SYLLABUS**

| Ch.No | Name of Chapter        | working day | Period | Topic                                | Month | Week |
|-------|------------------------|-------------|--------|--------------------------------------|-------|------|
| 1     | Computer Networking    | 21          | 14     | Introduction                         | April | 2    |
|       |                        |             |        | what is a computer network?          |       | 2    |
|       |                        |             |        | networking componentes               |       | 3    |
|       |                        |             |        | types of computer networkes          |       | 3    |
|       |                        |             |        | network topology                     |       | 4    |
|       |                        |             |        | Accessing a File from a Shared Drive |       | 4    |
|       |                        |             |        | network security                     |       | 4    |
| 2     | Linux Operating System | 9           | 6      | Introduction                         | May   | 1    |
|       |                        |             |        | operating system                     |       | 1    |
|       |                        |             |        | history of linux                     |       | 1    |
|       |                        |             |        | features of linux                    |       | 2    |
|       |                        |             |        | advantages of linux                  |       | 2    |
|       |                        |             |        | comparison of linux with windows     |       | 2    |
|       |                        |             |        | file management of linux             |       | 2    |
| 3     | Layers in GIMP         | 35          | 22     | Introduction                         | Jun   | 3    |
|       |                        |             |        | what is Layer                        |       | 3    |
|       |                        |             |        | background layer                     |       | 4    |
|       |                        |             |        | adding a layer                       |       | 4    |
|       |                        |             |        | renaming a layer                     | 1     |      |
|       |                        |             |        | changing the opacity of layer        | 1     |      |

|                   |                                   |    |    |                                |                                     |     |
|-------------------|-----------------------------------|----|----|--------------------------------|-------------------------------------|-----|
|                   |                                   |    |    | changing the order of layer    | July                                | 2   |
|                   |                                   |    |    | locking a layer                |                                     | 2   |
|                   |                                   |    |    | saving an image with all layer |                                     | 3   |
|                   |                                   |    |    | resizing a layer               |                                     | 3   |
|                   |                                   |    |    | filters                        |                                     | 4   |
| 4                 | Introduction to Database and DBMS | 48 | 30 | Introduction                   | Aug                                 | 1   |
|                   |                                   |    |    | database                       |                                     | 1   |
|                   |                                   |    |    | types of databases             |                                     | 2   |
|                   |                                   |    |    | database management system     |                                     | 3   |
|                   |                                   |    |    | introduction to Access         |                                     | 3   |
|                   |                                   |    |    | creating a database            |                                     | 4   |
|                   |                                   |    |    | rules of naming a field        |                                     | 4   |
|                   |                                   |    |    | views of a table               |                                     | Sep |
|                   |                                   |    |    | data types                     | 1                                   |     |
|                   |                                   |    |    | modifying a table in access    | 2                                   |     |
|                   |                                   |    |    | working on data                | 3                                   |     |
|                   |                                   |    |    | closing access application     | 4                                   |     |
|                   |                                   |    |    | 5                              | Working with Query, Form and Report | 25  |
| Query             | Nov                               | 1  |    |                                |                                     |     |
| creating a query  |                                   | 1  |    |                                |                                     |     |
| forms             |                                   | 1  |    |                                |                                     |     |
| formatting a form |                                   | 2  |    |                                |                                     |     |
| creating a report |                                   | 2  |    |                                |                                     |     |
| 6                 | List and Tables in HTML           |    |    | Introduction                   |                                     | 2   |
|                   |                                   |    |    | lists in HTML                  |                                     | 3   |
|                   |                                   |    |    | Nested List                    |                                     | 3   |
|                   |                                   |    |    | Description list               |                                     | 4   |
|                   |                                   |    |    | Tables in HTML                 |                                     | 4   |
|                   |                                   |    |    | Introduction                   |                                     | 1   |

|    |                                 |    |    |                           |       |   |
|----|---------------------------------|----|----|---------------------------|-------|---|
| 7  | Inserting Objects in HTML       | 21 | 14 | Inserting Images in HTML  | Dec   | 1 |
|    |                                 |    |    | Linking Web Pages         |       | 2 |
|    |                                 |    |    | CSS and Links             |       | 2 |
|    |                                 |    |    | Inserting Audio and Video |       | 3 |
|    |                                 |    |    | Frames in HTML            |       | 4 |
| 8  | Strings and Functions in Python | 24 | 8  | Introduction              | Jan   | 1 |
|    |                                 |    |    | Strings                   |       | 1 |
|    |                                 |    |    | Python String Operations  |       | 2 |
|    |                                 |    |    | Functions in Python       |       | 3 |
|    |                                 |    |    | Built in String Methods   |       | 4 |
| 9  | Layers in Synfig                | 23 | 15 | Introduction              | Feb   | 1 |
|    |                                 |    |    | Layers                    |       | 2 |
|    |                                 |    |    | Working with Pictures     |       | 3 |
|    |                                 |    |    | Masking                   |       | 4 |
| 10 | Ensuring Cybersafety            | 24 | 2  | Introduction              | March | 1 |
|    |                                 |    |    | Cyber Crimes              |       | 1 |
|    |                                 |    |    | Cybersecurity             |       | 1 |