

O. P. JINDAL SCHOOL, SAVITRI NAGAR, TAMNAR (CG)

Annual Curriculum Planning for the Session 2025-2026

Subject – Computer Studies Class – VII

| | | |
|---|---------------------------|--|
| Name of the Book- Interactive Computer Science(Live Wire) | Total no. of Chapters- 10 | No. of Chapters for Half Yearly- 5 No. of Chapters for Annual Exam- 5 |
|---|---------------------------|--|

| Month | Chapters/Topics to be taught | No. of periods required | Relevant activities | Inter-disciplinary linkages | Assessment Planning/Assignments |
|-------|------------------------------|-------------------------|--|--|---|
| March | 1. Number System | 4 | Make a PowerPoint presentation on Number System. Set a beautiful background for the slides. Apply transition and animation effects to the presentation. | Convert binary number to decimal number and vice versa using division and remainder concepts | Perform binary subtraction for 1-1-1 |
| April | 2. Charts in Excel | 4 | Create a student table in MS Excel that includes name and marks in different subjects. Insert column chart to represent name and marks scored in the subjects. | To create charts in Excel by using different layouts to visualize data. | Your school has organized a zonal competition on 'Cyber Literacy' to analyse the percentage of participation in each zone. Create a chart for the same. |
| June | 3. Layers in GIMP | 3 | Import an image in GIMP and apply different filters. | Import images and apply formatting and work on different layers. | Import 2-3 images in GIMP. Change their stacking order and opacity. |
| July | 4. Robots and Robotics | 6 | Understand the concepts of ROBO. Robotics Vs Artificial Intelligence Artificially based Robots | Through images, classify the types of Robots. | Write in word: What are Artificially Intelligent Robots? Give an example |

O. P. JINDAL SCHOOL, SAVITRI NAGAR, TAMNAR (CG)

| | | | | | |
|-----------|---------------------------------------|---|--|---|---|
| August | 5. Animation with SYNFIG | 6 | Create an animation showing three balls bouncing at different speed. | Draw a rectangle, circle and square overlapping each other. Select different tool options and different color for each object | Create an animation to show a kite flying in the sky. |
| September | Revision/ Terminal Examination | | | | |

Portions for Monday Test & Half Yearly Examination/Assessment

| Portions for Monday Test | Portions for Half Yearly Examination/Assessment |
|--------------------------|--|
| N/A | Theory- Ch1- Number System Ch2- Charts in Excel Ch3- Layers in GIMP Ch4- Robots and Robotics Ch5- Animation with SYNFIG |
| | |
| | |
| | |

| Month | Chapters/Topics to be taught | No. of periods required | Relevant Activities | Inter-disciplinary linkages | Assessment Planning/Assignments |
|----------|---|-------------------------|--|---|---|
| October | 6. Conditional coding in Python | 5 | Write a code to accept 5 numbers from the user. Calculate and display the sum of odd and even numbers entered. | To create flowchart of programs. | Create a program in Python to find if a year is a leap year or not. |
| November | 7.Computer Languages 8.Web Development: HTML & CSS | 4 4 | Types of computer Languages Create a webpage using margin and font properties | Understand the difference between various languages. Create a webpage on chemical formulas | Create a word document on types of languages Create a webpage using text and border properties |

O. P. JINDAL SCHOOL, SAVITRI NAGAR, TAMNAR (CG)

| | | | | | |
|----------|--|---|---|---|---|
| December | 9. Artificial Intelligence in real life | 4 | Create a Word document and write how a machine can understand and think correctly. | Write in word document, how AI is implemented in the field of healthcare. | Create a report on how AI is being implemented in the field of education and entertainment. |
| January | 10. App Development | 3 | Prepare a PPT on classification of Robots. Write about few IOT applications that we have come across in real life. | To write classification of robots by using images of Robots. | Write in word: What are Artificially Intelligent Robots? Give an example. Write in word: Can IOT help in making smart cities? If yes, how? |
| February | Revision of Syllabus / Terminal Examination | | | | |

Portions for Monday Test & Annual Exam/Assessment

| Portions for Monday Test | Portions for Annual Exam/Assessment |
|--------------------------|---|
| N/A | Theory- Ch6- Conditional Coding in Python Ch7- Computer Languages Ch8- Web Development: HTML and CSS Ch9- Artificial Intelligence in Real Life Ch10- App Development |
| | |
| | |
| | |
| | |