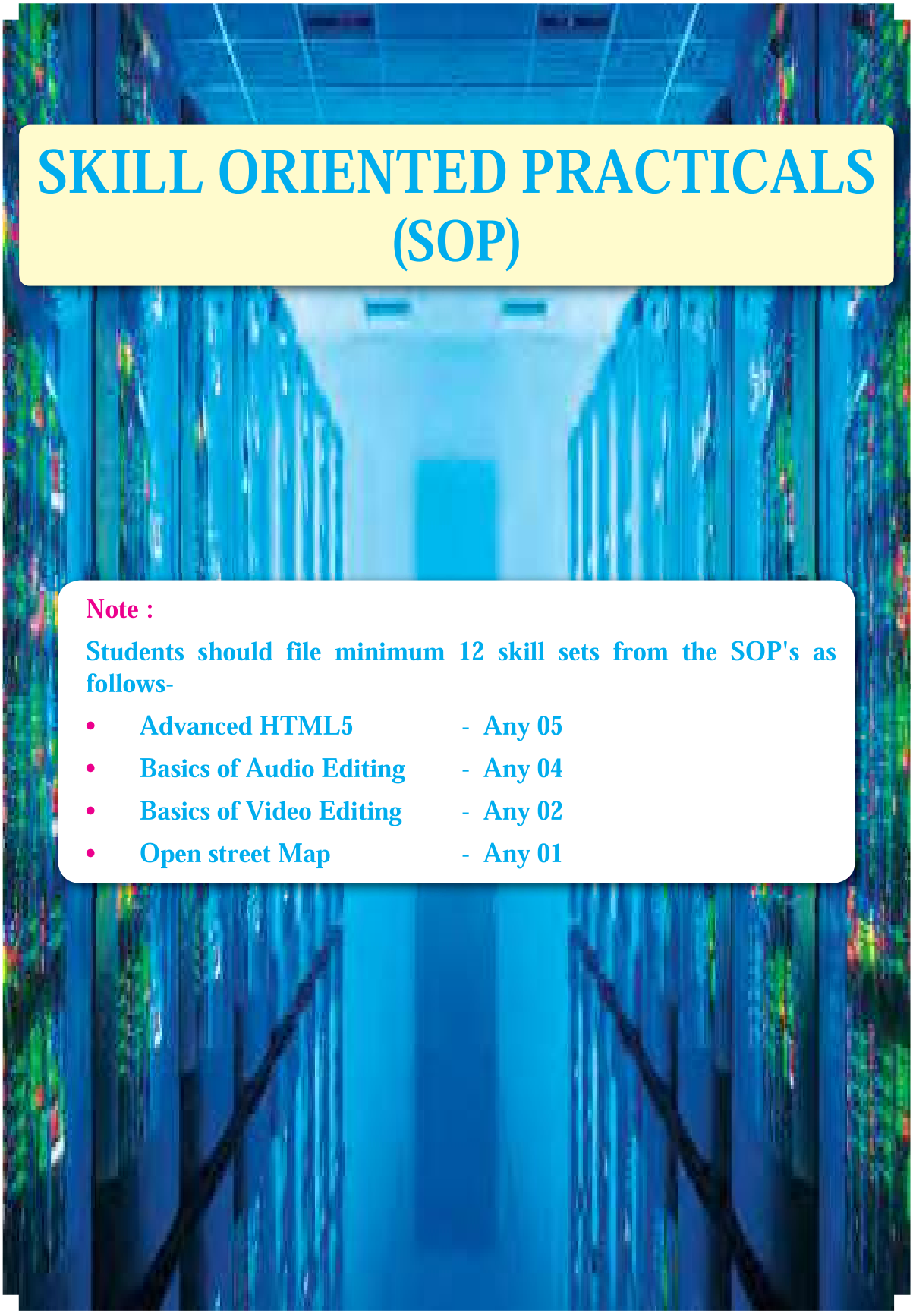


SKILL ORIENTED PRACTICALS (SOP)

Note :

Students should file minimum 12 skill sets from the SOP's as follows-

- **Advanced HTML5 - Any 05**
- **Basics of Audio Editing - Any 04**
- **Basics of Video Editing - Any 02**
- **Open street Map - Any 01**

1. Advanced HTML5

SOP 1 : Creation of website using HTML5

Create a website using HTML5 and CSS using any 4 CSS properties. Write a code for 2 separate pages having different file name such first page as Index. html, second page as page2.html as form.html. Use any theme such as college profile or company profile etc. Every page must contain proper Meta information and design web page as follows-

1) The index page must contain a heading which is highest among other text on pages and must be at centre of the page. There must be a paragraph which introduces general information about the theme chosen. It must have at least 3 physical style tags and one image with alternate text. This page must be connected to other page with proper navigational links.

2) The 2nd page must contain the feedback or enrolment form related with theme chosen with feature of HTML5. The form must contain text element and email address of the company or person. Include the submit button.

SOP 2 : Create a webpage using HTML and CSS code to design a webpage as the layout displayed below.

The top section will display the heading , 'Tourist places' in header. The section on the left has list of cities. The right hand side display tourist places in any one of the city .

Use Inline style sheet in the top section to display background color for the text 'Tourist places'. Use internal stylesheet for the left and right section with background color and font styles.

<table>
<tr><td colspan="2">Tourist cities</td></tr>
<tr><td>City
1. Pune
2. Banglore
3. Hyderabad
4. Delhi</td><td>Tourist places in Pune
• Shaniwarwada
• Kelkar Museum
• Sinhgad fort</td></tr>
</table>

SOP 3 : Create a website using HTML and CSS code to design a webpages as follows -

The first webpage will accept the name of the traveller, date of travel, telephone number. It also has a submit button as an image .

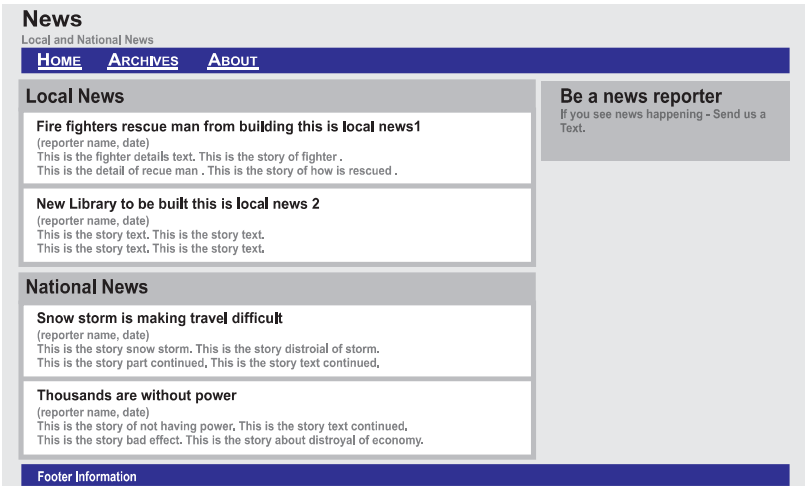
The second webpage has information about the name of transporter, time, seat no and destination displayed one below the other in the form of unordered list as

Name of transporter – Air Asia
Time - 09:30 am
Seat no – B39
Destination - Delhi

Both pages should be interlinked. Create external stylesheet with relevant tags.

SOP 4 : Creation of website using HTML5 and CSS.

Create a webpage as given layout use <nav>,<header>,<footer>,<aside>,<article> with CSS.



SOP 5 : Use of Audio on web pages using HTML5.

Create a webpage named audio.html to set an audio file in webpage with controls such that it uses HTML5 elements. The audio file must play as soon as the webpage loads in browser and it will start over again, every time when it is completed.

Create another webpage named audio1.html which provides multiple source file formats for the same audio file that plays a sound with controls. The code must incorporate the list of sound files formats (like wav, MP3 or ogg etc).

SOP 6 : Use of video on webpages using HTML5.

Create a webpage named video.HTML to display a video file on webpage and plays automatically. The dimension of video area should be 150 * 150 pixels.

Create another webpage which provide multiple source file formats for the same video file that plays a video with controls. The dimension of video area should be 300* 300 pixels. The code must incorporate the list of video files formats (like webM, MP4 or ogg etc).

SOP 7 : Navigation on an image using Client side image Mapping in web page using HTML5.

- Create a webpage named imagemap. html with an inserted image having jpeg, png or gif extension. Create 3 different shapes (like rectangle, circle and polygon) which do not overlap. Note down the co-ordinates making use of Ms-Paint/GIMP/IrfanView/Pinta. Each shape should be mapped or navigate with a different URL, one of the clickable area should navigate to a local webpage.

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2. Basics of Audio editing (Audacity)

SOP 1 : Recording environmental sounds.

You are supposed to record the environmental sounds using an audio recorder. You can record at least 10 such sounds example. Scenarios are given below, you can choose to record anything from given list below.

- Children's playing in the playground.
- A busy market.
- Bus stop.
- Railway station.
- After performance applause.
- Typing sound from a keyboard
- Animals sound eg. dog barking, cat meowing etc.

Can you explain where all such sounds will be used ?

SOP 2 : Removing the noise from the sound clip.

Record the audio of a group discussion, meeting or class lecture. Using filters, with additional equalization, try to remove as much of the background noise from the recording as possible. Do it without making the voice look like it is processed or unnatural.

Some noises may be widespread and very difficult to remove. Use High-pass, Low-pass, notch filters and noise filters to remove the noise.

Test the quality of the edited sound with the original music. Submit a new file to your teacher. Explain the use of the filters you have used?

SOP 3 : Recording narration.

All of us have role models in our life. You get inspired by their life story. Suppose you are given a task to make a documentary film on your role model and you need to make a narration in the video clip. Gather information and make your story ready, and record your audio so that it can be used with the video.

Things to take care while making audio recordings:

- Rehearse the vocal delivery of your story.
- Be sure the sound is clean no extraneous noise, time intervals, unwanted sounds, hiss, or distortion.
- Take pauses at appropriate Places Edit the clip if such things are present in the audio.

- Select the proper background music to the audio clip, your sound must be clear to listen.

  You can email the output file with your details to your teacher.

  Example clip, search on youtube for Dr. APJ Abdul Kalams Biography in Hindi By Gulzar Saab; Motivational Story. Similar kind of audio clip you can make.

  Link : https://www.youtube.com/watch?v=LrdrcP2oiyU

SOP 4 : Creating sound stories.

Pick up any story which you like. It may be in your languages like Marathi, Hindi or any other. Rehearse with vocal delivery, multiple times and record the story and then

SOP 5 : Record sound for slides presentation.

You are required to prepare a presentation on any advance upcoming topic in IT field and then record its delivery using audio recorder.

This recording can be then used to understand points which are required to improve your delivery style. Add all the required sound effects like, scary sound, happy music as based on the situationn in the story. You can collect all such stories and publish on your own school's website or youtube.

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3. Basics of Video editing (Kdenlive)

SOP 1 : Collect the pictures of your issues or problems from your area and then make a video slide show with following requirements.

- Select Suitable background music for the entire duration of the slide shows.
- Provide appropriate suitable title in the beginning, provide subtitles to the pictures which describes the image.
- Choose transitions between the photos.
- Provide proper credits at the end of video.
- Submit this video to your teacher.

SOP 2 : Make an exclusive video with all the memories and best pictures of your friend and present him as a gift. Video can include the images, Videos, birthday wishes etc.

SOP 3 : Create a video demonstrating the college achievements in the last year. Following are some of the points you can consider while creating a video.

When editing video cutaways, it's typically easier to edit all of the audio first, then work on video replacements. By contrast, when adding narration to a video, it's best to edit the video first, then synchronize the audio. Since you know the precise lengths of the video clips, you can match the audio by using a combination of rehearsed narration and audio editing.

This exercise should acquaint you with basic techniques for recording and synchronizing audio with a finished video:

- Rehearsing a narrative script to achieve a close-to-sync audio recording that will minimize later editing.
- Setting up a typical audio editing program for recording.
- Coordinating three or more software programs simultaneously during audio recording.
- Basic time-based editing of audio files.
- Merging audio and video tracks.

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4. Open Street Map (OSM)

SOP 1 : Log in to Open Street Map. Browse the map and find any un-mapped area. Identify and mark the area and give it appropriate tag. Practice with few more objects. Upload your changes from your account.

SOP 2 : Find out a garden, library, cafe, hospital, departmental store, chemist etc. in your neighborhood. These places generally have opening hours or entry is restricted during certain hours. Find out the correct opening hours.

Tag the place if it is not already done and enter the opening hours in the proper format in Open Street Map.

SOP 3 : Locate your friend or relative's residence or your native place which is far away from your home. Ensure that it has not been tagged on OSM. After you add the location, email or telephone or message and ask to verify that it can be searched and located on OSM. Hence it would help the travelers in future who use OSM.

SOP 4 : On OSM, choose any small town or village in Maharashtra or from other state or anywhere in the world, preferably not covered by volunteer mappers. Complete all buildings, roads etc. By dividing the work among all the students of the class. Write your experience of collaboration in your own words.