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| **Key Concepts** | **Explore concepts' significance and relevance** | **Establish relevance, make sense and meaning -Find real-life contexts** | **Establish relevance, make sense and meaning -Find interdisciplinary connections** | **Engage in critical thinking** | **Technology, tools and techniques** | **Plan**  **project management** | **Project specification and sketch** |
| Programming language has too many concepts:  -Variables  -Control Structures  -Data Structures  -Syntax  -Tools  Here searching and conversion of file type are more important.  Conversion of file and search helps searching in images as well which saves time of user as people nowadays are always in hurry.  The search done should be so optimized that it should provide result within 10 seconds. | -Optimized Code controls our product world we chose structured programming as it will help when repetitive task is required.  It will also help in adding some feature for conversion of image to other format.  If software code is divided in the modules then it is easy to minimize the complexity and make it more efficient. | - developers always take care of human interest.  Searching a document in less time is what this generation wants.  Here programming comes in action.  Smaller program modules are created and it becomes easy to trace any required code segment in software.  It even reduces statements, allows exit and entry points in code of software. | -it can be interface software engineering to different field as matter for understudies.  Using ideas and utilized aptitudes of software engineering to connect any part of a field.  They make software code very easy to modify when required.  . | Programming ann elastic search and conversion of files from one form to another are complex operations. It needs to have basic speculation abilities.  ***Firstly,***  Conversion of file from image to searchable pdf and non-searchable pdf to searchable pdf is a very complex algorithm. To make work of OCR is a brainstorming task.  ***Secondly****,*  Making the search algorithm takes more time and algorithm used or the programmed form is very complex. Now to make it efficient, optimisation is required and that is a tough task though. | Various coding tools are mentioned below:  Compilers, interpreter, eclipse, vscode, lampstack are used for our project as programming tools.  Used coding techniques were as follows:  - Required .editorconfig for proper indentation for python as it can’t work without indentation.  - Provided comments in the code so that anyone can understand the code easily.  -followed name conventions.  -Code is to the point, precise and clean. | Coding is the most important part of the project.  We knew the requirements beforehand and  Possibility of repetitive functions is been discussed.  Till the time, we have completed 75 percent of the required coding part.  Thus, at present, there are no backlogs in particular. | After completing design documentation, Started coding |