

**Birla Institute of Technology and Science, Pilani (Rajasthan)**  
**Second Semester 2020-2021**

**CS F401 (Multimedia Computing)**

**March 28, 2021**

**Project Work (15%)**

Select the area, from the areas given below, as per the following expression:

Area = [Last Three Digits of your IdNo % 14]+1, where % evaluates integer remainder.

**Areas:**

1. Image Processing Techniques for Multimedia
2. Sound/Audio Data Stream
3. Image Media
4. Graphics Media
5. Video Media
6. Animation Media
7. Text Compression
8. Image Compression
9. Audio Compression
10. Video Compression
11. Speech Recognition
12. Storage Technologies
13. Multimedia Documents
14. Multimedia User Interfaces

Search a research paper published in any Journal or at Internet, which involves some work related to your area selected above. Start working to implement a part of the work detailed out (or suggested) in the paper and submit (by email at [rohil@pilani.bits-pilani.ac.in](mailto:rohil@pilani.bits-pilani.ac.in)) the required documents on or before the deadlines as given in the “**Evaluation Table**”.

**Instructions for submission of the documents listed in the Evaluation Table:**

- You should email each document to [rohil@pilani.bits-pilani.ac.in](mailto:rohil@pilani.bits-pilani.ac.in). The subject-line of the email should be as “MMC Project Document-N Your ID.No. (Your Name)” in the subject of the email. N = Document Number
- Delayed submission by one or two days will fetch a plenty of 0.5 and 1 mark respectively. Submission of a document by a week’s delay (i.e. within five days beyond the two days from the due date) will be evaluated out of 50% of the maximum marks (MM) of that document.
- Submission after a week’s time will be awarded no credit. However, submission is compulsory to consider subsequent document(s).
- A document will be evaluated only when you have submitted all earlier documents.

- For email-attachments, please give the filenames as your id number followed by **\_DN**. For example, for id number 2016A7PS013P and **Document D2** the filenames should be as follows:  
 2016A7PS013P\_D2.c (extension as per language i.e. c, java, cpp, pl, pro)  
 2016A7PS013P\_D2.ip1, 2010A7PS013\_D2.ip2, ... input files  
 2016A7PS013P\_D2.op1, 2010A7PS013\_D2.op2, ... output files  
 2016A7PS013P\_D2.doc (or docx) for Word documents

**After examining your source code and other files, some or all of you may be called for a demonstration and/or viva.**

**Table: Evaluation Table**

S. No.	Document to be Submitted	MM	Due Date	Due Time
D1.	A word document containing 1. Title and Cover page, 2. Image of the abstract of the paper (or Print-screen of first page if the paper is downloaded from Internet) and 3. two-page description of the work you want to do, 4. “How to approach a solution” and 5. the list of references in format specified in the Table <b>“Contents of the Final Report”</b>	05	April 05, 2021	11:59 PM
D2.	Soft Copy of Source code [and Sample input and output (if any)]. A word document indicating Programming language used, special software and hardware requirements and “How to view the demonstration” Softcopy of final report including the items given in the table <b>“Contents of the Final Report”</b> . You can reuse the text of above documents.	10	April 14, 2021	11:59 PM

**Table: Contents of the Final Report**

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- Cover Page indicating Area, Title of the paper, IdNo., Name, Course Number & Title, “Project March-April 2021”
  - Abstract of **your** work (not the abstract of the research paper)
  - Table of Contents with Page Number
  - Introduction to the problem, which you intend to solve and relevant background study
  - How to approach a solution?
  - Design for the solution
  - Summary and conclusion
  - References in the format:  
 Authors; Title; Publication; Place; Edition (or Volume: Number in the case of Journals), Year, Pages
  - Specify the reference to the source of information (if any) on the Internet
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