

Manual for splitting the long pdf file with open-source software

PDFsam Basics

As many times we need to split the long pdf files into multiple smaller ones and rename the same, many online/offline free solutions are there, but we can only break one file at a time. Therefore, this task becomes tedious if we wish to split one singly long file into many smaller ones with page ranges simultaneously. Open-Source software gives us many freedom and facilities, including the splitting, merger, etc., of pdf files.

PDFsam Basic (<https://pdfsam.org/download-pdfsam-basic/>) is one of the open-source software which gives us such facilities and freedom. This small manual describes splitting long pdf files into several smaller ones and assigning new file names.

Step 1

- Download the PDFsam from <https://pdfsam.org/download-pdfsam-basic/> and install it in your available operating system (Windows 64/32 bit, Linux, etc.).

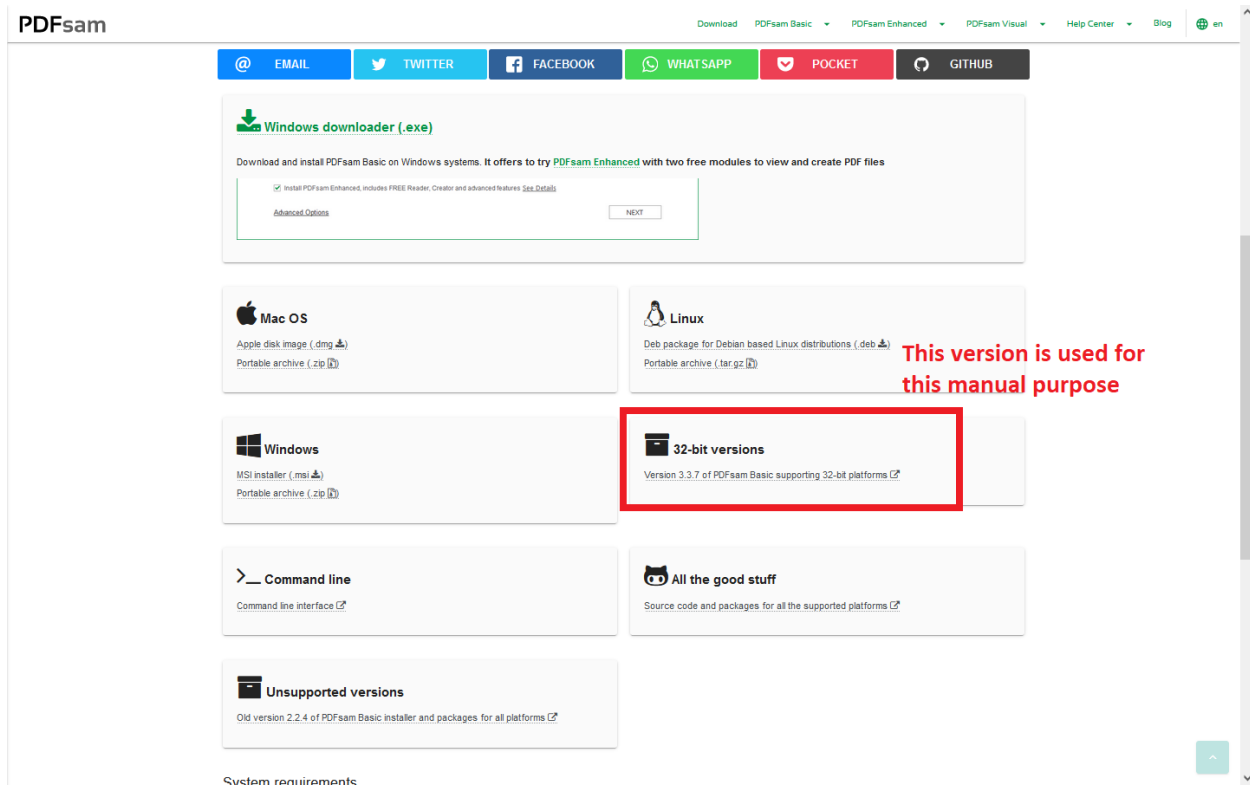


Figure 01

Step 2

- After installation, a desktop shortcut will be generated, and the home page of PDFsam basic will look like figure 02.

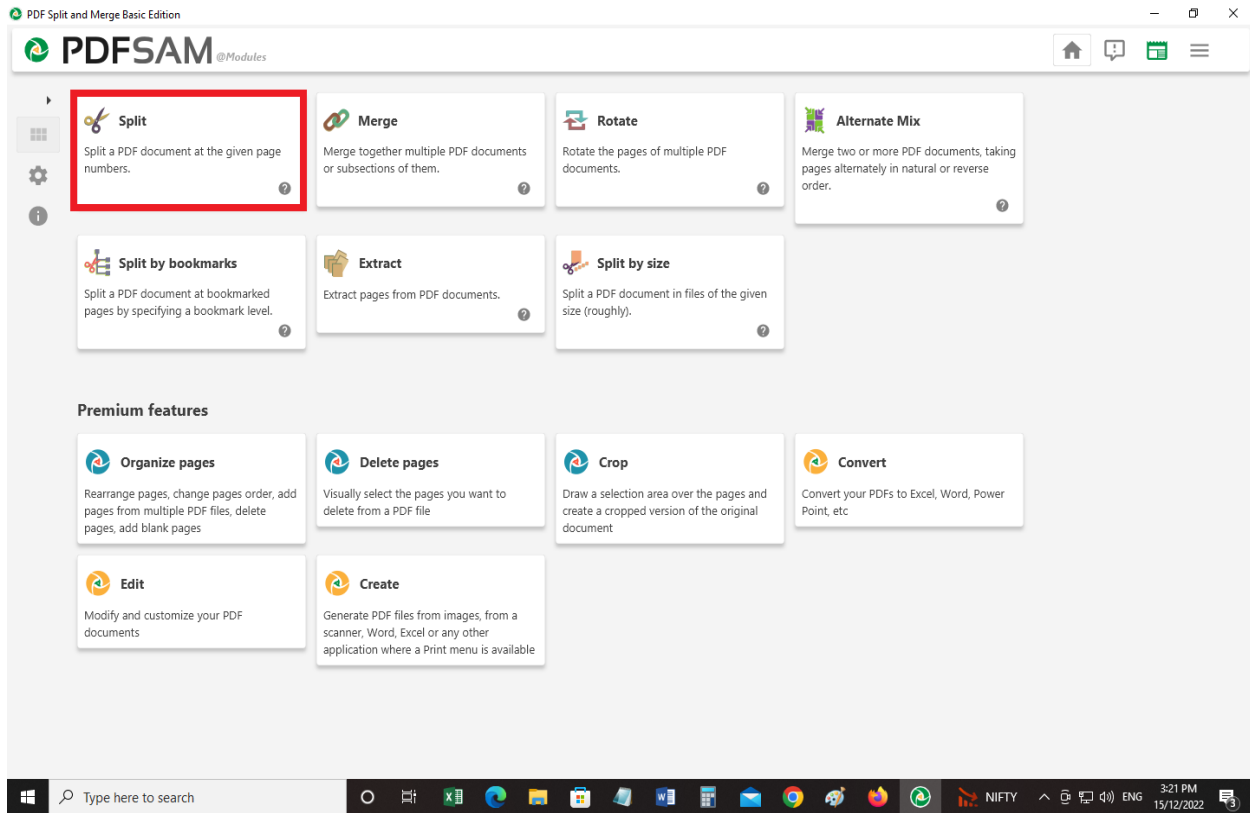


Figure 02

Step 3

- Store each long primary pdf file to be splitted in a separate folder

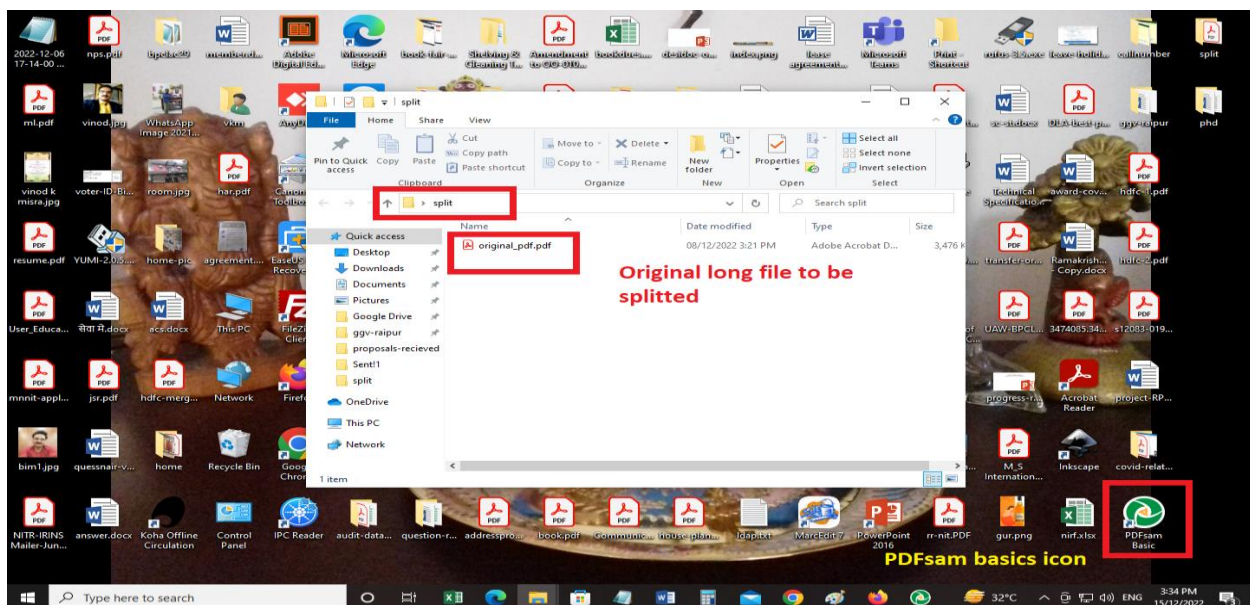


Figure 03

Step 4

- If you wish to split the original_pdf file into many small files with different nomenclature, as shown in Table 01, then note down the pages/range of pages required to be splitted as shown in the table below.

Table 01: Example of Format for splitting original_pdf and naming the files

| Sl. No. | Name of the PDF file | Details | Pages to Split "original_pdf" |
|----------------|-----------------------------|--|--|
| 1 | 01_title | Title page | 1 |
| 2 | 02_prelim pages | Prelim pages to be clubbed as (title + declaration + dedication + certificate + acknowledgement + list of table + graphs files etc.) | 2-6 |
| 3 | 03_content | Content/Index | 10-19 |
| 4 | 04_abstarct | Abstract | 7-9 |
| 5 | 05_chapter-1 | Chapter-1 | 20-33 |
| 6 | 06_chapter-2 | Chapter-2 | 34-66 |
| 7 | 07_chapter-3 | Chapter-3 | 67-90 |
| 8 | 08_chapter-4 | Chapter-4 | 91-108 |
| 9 | 09_chapter-5 | Chapter-5 | 109-172 |
| ***** | ***** | Additional chapters can be included in this sequence (if any) | |
| 11 | 10_annexures | Annexures to be clubbed as (bibliography + references + questionnaire + maps + publications etc.) | 177-198 |
| 12 | 80_Recommendation | Conclusion/suggestion/recommendation, future scope etc. A title page need to be kept as the first page. | 173-176 |

Step 5

- Now Open the PDFsam basics by clicking the icon as shown in figure 03 and click the option Split as shown in figure 02. It will present the following screen and select/enter the option as shown in figure 04.

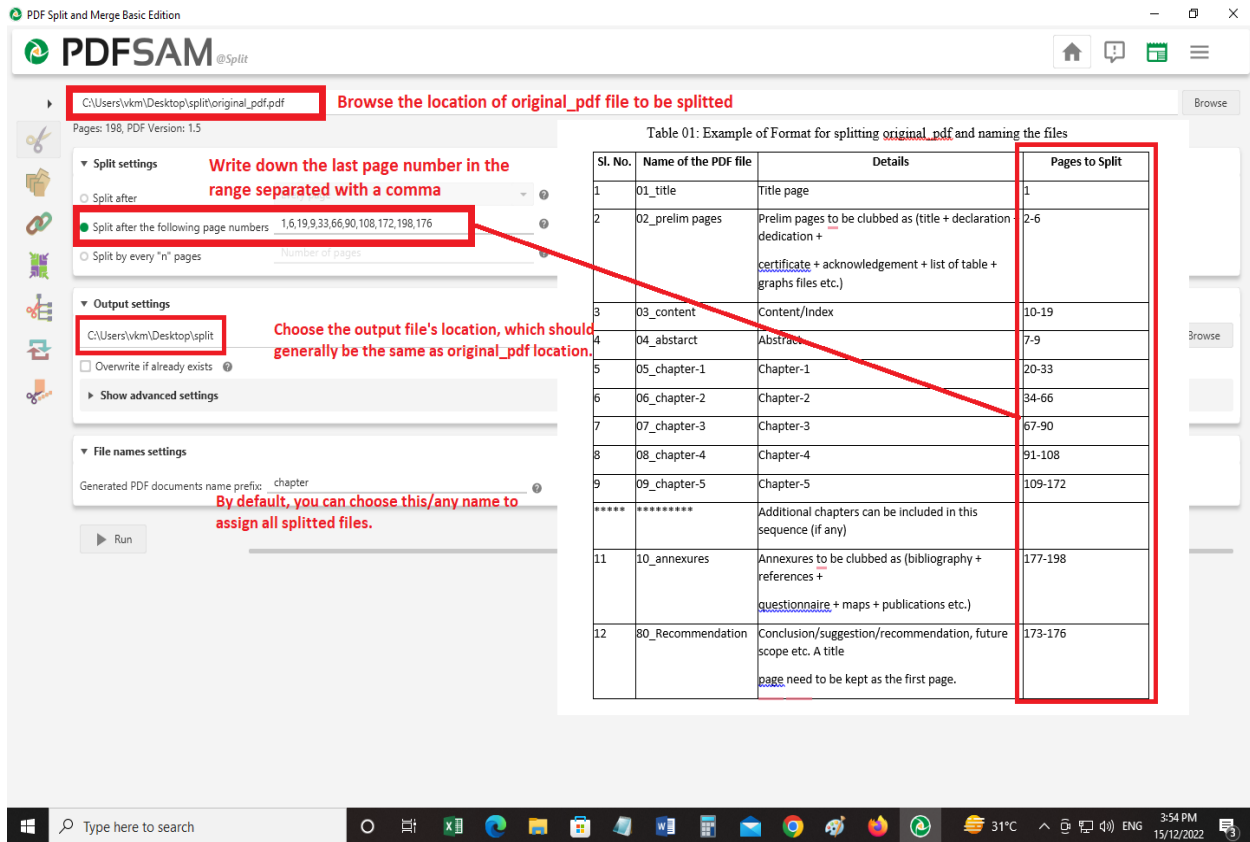


Figure 04

Step 6

- Once you select all the options as shown in figure 04, hit the option “Run” then “Overwrite” in the pop-up screen as shown in figure 05 to split all the desired files.

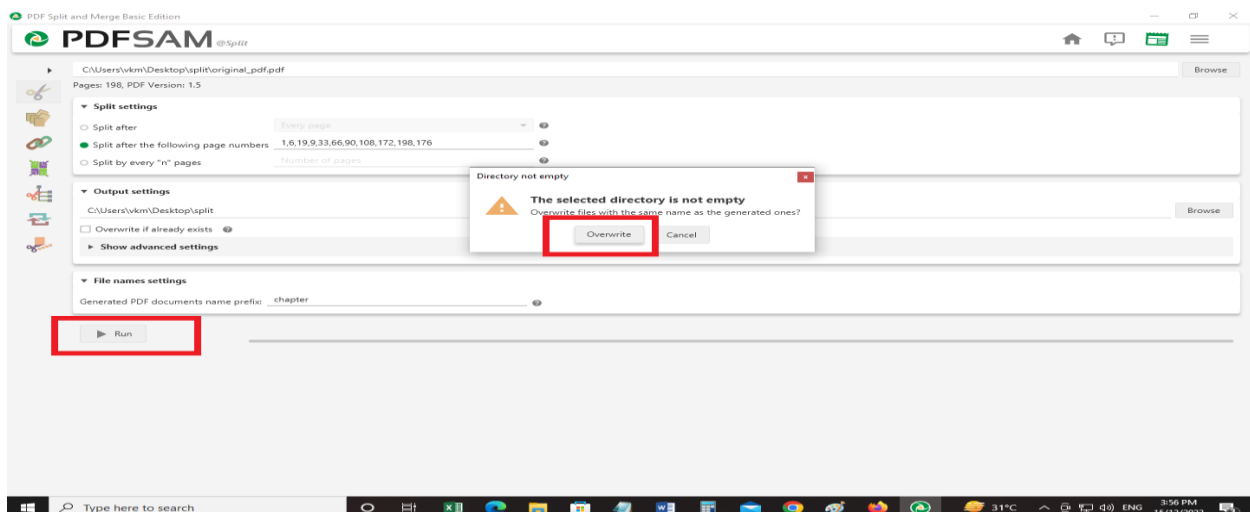


Figure 05

Step 7

- After hitting the “Run” option in figure 05, original_pdf file will be splitted as shown in below figure 06 (2) according to the format (1); then, we can rename all the default nomenclature as per the required format (3).

The screenshot shows a Microsoft Word document titled 'manual-to-split.docx'. The main content is a table with the following data:

| Sl. No. | Name of the PDF file | Details | Pages to Split |
|---------|----------------------|--|----------------|
| 1 | 01_title | Title page | 1 |
| 2 | 02_prelim pages | Prelim pages to be clubbed as (title + declaration + dedication + certificate + acknowledgement + list of table + graphs files etc.) | 2-6 |
| 3 | 03_content | Content/Index | 10-19 |
| 4 | 04_abstarct | Abstract | 7-9 |
| 5 | 05_chapter-1 | Chapter-1 | 20-33 |
| 6 | 06_chapter-2 | Chapter-2 | 34-66 |
| 7 | 07_chapter-3 | Chapter-3 | 67-90 |
| 8 | 08_chapter-4 | Chapter-4 | 91-108 |
| 9 | 09_chapter-5 | Chapter-5 | 109-172 |
| ***** | ***** | Additional chapters can be included in this sequence (if any) | |
| 11 | 10_annexures | Annexures to be clubbed as (bibliography + references + questionnaire + maps + publications etc.) | 177-198 |
| 12 | 80_Recommendation | Conclusion/suggestion/recommendation, future scope etc. A title page need to be kept as the first page. | 173-176 |

On the left, a file explorer shows a list of files with names like '01_title.pdf', '02_prelim_pages.pdf', etc., up to 'original_pdf.pdf'. A red box highlights these names, with a '3' next to it. Below the list, it says 'Final renamed desired file'.

On the right, another file explorer shows a list of files with names like '1_chapteroriginal.pdf', '2_chapteroriginal.pdf', etc., up to 'original_pdf.pdf'. A red box highlights these names, with a '2' next to it. Below the list, it says 'Splitted file with the default name, the first digit/s before the underscore is starting page of the file.'.

Figure 06

Similar to the above, one can use other options, such as Extract, Merge, Rotate, etc., depending on the requirements.

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