

# e- Library

An **e-library** is the electronic information of e-materials and provides services in digital form. It provides up to date information about text books via the internet. The Electronic Library System provides the latest functions as well as allowing books to be displayed on screen as if they were printed books. The system makes advances in retrieving books and paper.

## **Benefits of e- library:**

### **1. A delicate amount of choice:**

Digital libraries give access to multiple contents with a potentially infinite number of resources and selections at hand. The main limit for traditional libraries is represented by physical space: books consume a lot of it and people often have to walk round in search of a particular material. Thanks to Internet and cloud storage, digital libraries overcome this limitation, expanding students' horizons in learning. They can access an enormous amount of knowledge and share contents with others, facilitating the expansion of education.

### **Construction a heritage for the next generation:**

Online libraries **help the scientific society** since they act as a reservoir for the storage of important research data, information and findings. For a very long time, the physical records of scientific studies and researches had to live with a critical issue: they were destroyed or lost. But today, thanks to digital libraries, **the online copies of studies and researches can be protected and collected** to create a virtual heritage of information for the coming generations.

### **Direct access to educational content:**

As long as an Internet connection is available, **digital libraries are accessible anywhere and at any moment** using a simple technological device, such as a PC, a tablet or even a Smartphone. This means students can consult online books, images, videos and all the other educational contents **without having to wait and go to the nearest physical library**. They can do it in a formal environment, for example at school, or they can relax at their homes getting an instant access to the information they need.

### **Struggle against deterioration:**

The digital storage of books and, above all, audios, **solve the problem of deterioration**. In traditional libraries, audio cassette tapes and vinyl records are shared among a lot of students posing the problem to stand a large number of playings. Fragile photographs or ancient documents have to resist several handovers and consultations, with the risk of being subjected to breakages or other damages. Thanks to the digitizing of materials, it is possible **to access**

**contents how many times a student needs**, using formats (mp3, digital images, online textbooks, etc.) which are definitely much safer to use.

### **An easier information retrieval**

Over the years, digital libraries have developed a range of search features – such as Boolean and proximity operators, truncation, etc. – that facilitate the access to information and data collections, allowing students to perform sophisticated searches for a variety of queries.

The department has taken a unanimous decision to maintain online content of prescribed text books for all three years. Every subject content has been downloaded and saved in different folders with the subject names. Students who require any content about a particular concept will perform search operation and seeks the help of a concerned faculty to get correct information.

Apart from maintaining the e -content of text books, faculty also placed the prepared notes of different subjects of all the years in concerned subject folders. Students can easily go through the content and can have a fruitful discussion about their doubts.

Model question papers and university question papers are also readily available as e-resource.

The following table shows the list of e-text books available in the department

<b>S.No</b>	<b>Title of the Textbook</b>
1.	Programming in C
2.	Programming with C++
3.	JAVA
4.	DBMS
5.	Data Structures Using C++
6.	python programming
7.	Visual Basic
8.	Data Communications and Networking
10.	The complete reference JSP

11.	The Complete Reference C++
12.	Object Oriented Programming with C++ -
13.	The Complete Reference- VB.Net

### List of e- notes

1. C- Language
2. C++
3. Java
4. Database Management Systems
5. Visual Basic
6. Data Structure using C++
7. Programmin in Python
8. Data Communications and Networking





BOOK NAME	AUTHOR	LINK
Fundamentals of Multimedia	Ashok kamthae	<a href="https://drive.google.com/file/d/1sE5WLzpzFkI4bEA5It6dF1DIIZaP81Ha/view?usp=sharing">https://drive.google.com/file/d/1sE5WLzpzFkI4bEA5It6dF1DIIZaP81Ha/view?usp=sharing</a>
Programming in python	Gowrishankar S. Veena A.	<a href="https://drive.google.com/file/d/1dRhUIvnWbZrYiGJwrSno_Dgqpu4buVIP/view?usp=sharing">https://drive.google.com/file/d/1dRhUIvnWbZrYiGJwrSno_Dgqpu4buVIP/view?usp=sharing</a>
Database system concepts	Henry F. Korth	<a href="https://drive.google.com/file/d/1ia13x0USOHA1W-XZp1BGzQDb0QeMrUMj/view?usp=sharing">https://drive.google.com/file/d/1ia13x0USOHA1W-XZp1BGzQDb0QeMrUMj/view?usp=sharing</a>
Thinking in Java	Pervertic e Hall mid	<a href="https://drive.google.com/file/d/1tQddOK_ceEyBCcCfATaQhz9qgykJg4tS/view?usp=sharing">https://drive.google.com/file/d/1tQddOK_ceEyBCcCfATaQhz9qgykJg4tS/view?usp=sharing</a>

A Complete guide to C++ - Ullal Krich Prinz	Ullal Krich Prinz	<a href="https://drive.google.com/file/d/1gnKuJKmq9FZUINiQ2v5zrk3zB77j9GkW/view?usp=sharing">https://drive.google.com/file/d/1gnKuJKmq9FZUINiQ2v5zrk3zB77j9GkW/view?usp=sharing</a>
The Complete Reference-VB.Net	Jeffrey R.Shapiro	<a href="https://drive.google.com/file/d/1ONosoG5MxnQcopvynhmw29O8EupyKjYY/view?usp=sharing">https://drive.google.com/file/d/1ONosoG5MxnQcopvynhmw29O8EupyKjYY/view?usp=sharing</a>
The complete reference JSP	Phil Hanna	<a href="https://drive.google.com/file/d/1n8lijM16F94inm12rr6MjiqjaBZcedv0/view?usp=sharing">https://drive.google.com/file/d/1n8lijM16F94inm12rr6MjiqjaBZcedv0/view?usp=sharing</a>
programming in c	Dennis M.Ritchie	<a href="https://drive.google.com/file/d/15qy62JWYGWQONGUbGoAWTPOda1a93L94/view?usp=sharing">https://drive.google.com/file/d/15qy62JWYGWQONGUbGoAWTPOda1a93L94/view?usp=sharing</a>
The Completer Reference-Java	Herbert Schildt	<a href="https://drive.google.com/file/d/1TBCoSraErJrOw62JLhiZiXtLHleeEEIJ/view?usp=sharing">https://drive.google.com/file/d/1TBCoSraErJrOw62JLhiZiXtLHleeEEIJ/view?usp=sharing</a>
Object-Oriented Programming in C++	Robert Lafore	<a href="https://drive.google.com/file/d/1Z-zC81Sh-Q8T6PP1JLW7k-e8qfxCaJwa/view?usp=sharing">https://drive.google.com/file/d/1Z-zC81Sh-Q8T6PP1JLW7k-e8qfxCaJwa/view?usp=sharing</a>
Data Communications and Networking	McGraw-Hill Forouzan	<a href="https://drive.google.com/file/d/16_9o0yipacWhaIR29BmV8JsXBy8Zpv0I/view?usp=sharing">https://drive.google.com/file/d/16_9o0yipacWhaIR29BmV8JsXBy8Zpv0I/view?usp=sharing</a>
Data Structures using C++	Varsha H. Patil	<a href="https://drive.google.com/file/d/1SW_ShN8w_mIaEBAKw043wwGxdTa8bFVA/view?usp=sharing">https://drive.google.com/file/d/1SW_ShN8w_mIaEBAKw043wwGxdTa8bFVA/view?usp=sharing</a>
Fundamentals of Database Systems	Ramez Elmasri	<a href="https://drive.google.com/file/d/1rIa5901ud2H4sasZptui4ZNwWsD2VVbc/view?usp=sharing">https://drive.google.com/file/d/1rIa5901ud2H4sasZptui4ZNwWsD2VVbc/view?usp=sharing</a>

Database Management System	Raghu Ramakrishnan	<a href="https://drive.google.com/file/d/19Erce0zbqPyu1tugAoXS_NzZWUB_7d9Rq/view?usp=sharing">https://drive.google.com/file/d/19Erce0zbqPyu1tugAoXS_NzZWUB_7d9Rq/view?usp=sharing</a>
Object Oriented Programming with C++ -	Reema Thareja	<a href="https://drive.google.com/file/d/1ZuFPyszca1EpGVy8Q5oS_XqgcxJgSjB0/view?usp=sharing">https://drive.google.com/file/d/1ZuFPyszca1EpGVy8Q5oS_XqgcxJgSjB0/view?usp=sharing</a>
Learning microsoft-sql-server		<a href="https://drive.google.com/file/d/10gnIQG9mVsMCu3HCtfsP2rbNteacoPzO/view?usp=sharing">https://drive.google.com/file/d/10gnIQG9mVsMCu3HCtfsP2rbNteacoPzO/view?usp=sharing</a>
PHP _ a Beginner's Guide	Vikram Vaswani	<a href="https://drive.google.com/file/d/1yEppAEdd1PFS58RpB8SirEYGxdt7vUH/view?usp=sharing">https://drive.google.com/file/d/1yEppAEdd1PFS58RpB8SirEYGxdt7vUH/view?usp=sharing</a>
The Complete Reference-HTML CSS		<a href="https://drive.google.com/file/d/16EUmX3-ZZplH4qL4-bzFm23Os8bJ7HXM/view?usp=sharing">https://drive.google.com/file/d/16EUmX3-ZZplH4qL4-bzFm23Os8bJ7HXM/view?usp=sharing</a>
introduction-to-e-commerce	MartinKurtz	<a href="https://drive.google.com/file/d/1zLoyhwugkw848mdD-BtMuGZlCLAx2ZgZ/view?usp=sharing">https://drive.google.com/file/d/1zLoyhwugkw848mdD-BtMuGZlCLAx2ZgZ/view?usp=sharing</a>
Software Engineering	Ian Sommerville	<a href="https://drive.google.com/file/d/1Epa0uwyup2M0F2Q9WhtF7LcWS6joi_qr/view?usp=sharing">https://drive.google.com/file/d/1Epa0uwyup2M0F2Q9WhtF7LcWS6joi_qr/view?usp=sharing</a>
Java Object-Oriented Problem Solving	R. Morelli and R. Walde	<a href="http://www.cs.trincoll.edu/~ram/jjj/jjj-os-20170625.pdf">http://www.cs.trincoll.edu/~ram/jjj/jjj-os-20170625.pdf</a>
Machine Learning and Data Mining Lecture Notes	Aaron Hertzman and David Fleet	<a href="https://www.dgp.toronto.edu/~hertzman/411notes.pdf">https://www.dgp.toronto.edu/~hertzman/411notes.pdf</a>

Fundamentals of Python Programming	Richard L. Halterman	<a href="https://archive.org/details/2018Fundamentals.ofPython/page/n11/mode/2up">https://archive.org/details/2018Fundamentals.ofPython/page/n11/mode/2up</a>
Artificial intelligence		<a href="http://artint.info/html/ArtInt.html">http://artint.info/html/ArtInt.html</a>
Algorithm Analysis and Design	Sandeep Sen	<a href="https://www.cse.iitd.ac.in/~ssen/csl356/notes/root.pdf">https://www.cse.iitd.ac.in/~ssen/csl356/notes/root.pdf</a>
Communication Networks	Sharam Hekmat	<a href="http://www.pragsoft.com/books/CommNetwork.pdf">http://www.pragsoft.com/books/CommNetwork.pdf</a>
Introduction to Machine Learning	Fall	<a href="https://arxiv.org/pdf/0904.3664.pdf">https://arxiv.org/pdf/0904.3664.pdf</a>
Learn C++ Programming Language		<a href="http://www.tutorialspoint.com/cplusplus/cpp_tutorial.pdf?utm_source=7&amp;utm_medium=">http://www.tutorialspoint.com/cplusplus/cpp_tutorial.pdf?utm_source=7&amp;utm_medium=</a>
Natural Language Processing with Python	Steven Bird, Ewan Klein, and Edward Loper	<a href="https://www.nltk.org/book/">https://www.nltk.org/book/</a>
Open Data Structures (in pseudocode)	Pat Morin	<a href="http://opendatastructures.org/ods-python-screen.pdf">http://opendatastructures.org/ods-python-screen.pdf</a>

C# Programming Yellow Book	Rob Miles	<a href="http://www.csharpcourse.com">http://www.csharpcourse.com</a>
Introduction to Computer Graphics	David J. Eck Hobart and William Smith	<a href="https://math.hws.edu/eck/cs424/downloads/graphicsbook-linked.pdf">https://math.hws.edu/eck/cs424/downloads/graphicsbook-linked.pdf</a>
Python for Computational Science and Engineering	Hans Fangohr	<a href="https://www.southampton.ac.uk/~fangohr/teaching/python/book/Python-for-Computational-Science-and-Engineering.pdf">https://www.southampton.ac.uk/~fangohr/teaching/python/book/Python-for-Computational-Science-and-Engineering.pdf</a>
Algorithms and Data Structures	Kurt Mehlhorn and Peter Sanders	<a href="https://people.mpi-inf.mpg.de/~mehlhorn/ftp/Mehlhorn-Sanders-Toolbox.pdf">https://people.mpi-inf.mpg.de/~mehlhorn/ftp/Mehlhorn-Sanders-Toolbox.pdf</a>
Computer Networks	Ivan Marsic	<a href="https://www.ece.rutgers.edu/~marsic/books/CN/book-CN_marsic.pdf">https://www.ece.rutgers.edu/~marsic/books/CN/book-CN_marsic.pdf</a>
Gaussian Processes for Machine Learning	C. E. Rasmussen & C. K. I. Williams	<a href="http://gaussianprocess.org/gpml/chapters/RW.pdf">http://gaussianprocess.org/gpml/chapters/RW.pdf</a>
SOFTWARE ENGINEERING	Ron Burback Ron Burback	<a href="http://infolab.stanford.edu/~burback/watersluice/watersluice.pdf">http://infolab.stanford.edu/~burback/watersluice/watersluice.pdf</a>
Algorithms	Dave Mount	<a href="http://www.cs.umd.edu/~mount/251/Lects/251lects.pdf">http://www.cs.umd.edu/~mount/251/Lects/251lects.pdf</a>



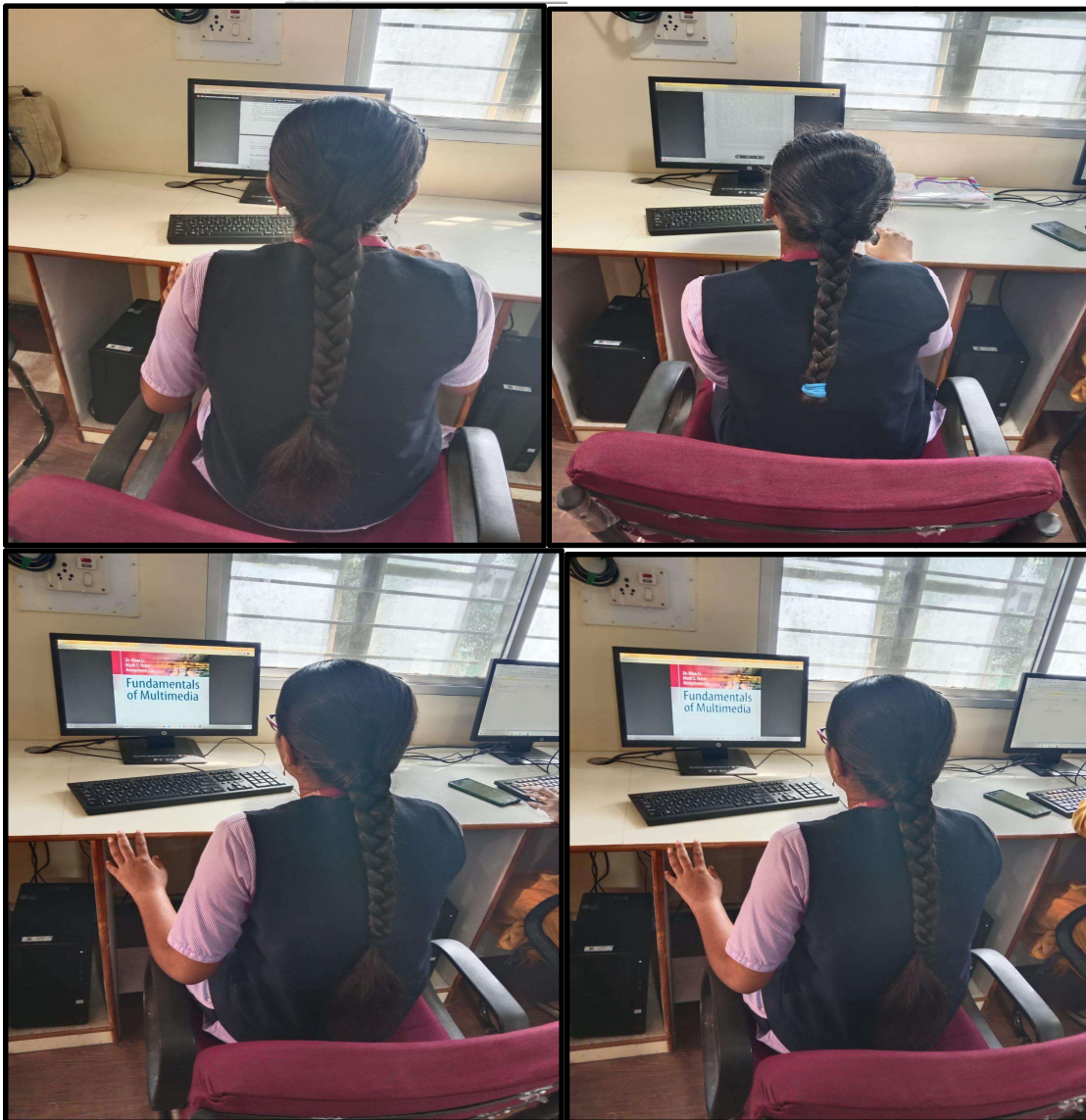
Software Engineering	Curriculum	<a href="http://sites.computer.org/ccse/SE2004Volume.pdf">http://sites.computer.org/ccse/SE2004Volume.pdf</a>
Algorithms and data structures in		<a href="http://eccc.hpi-web.de/resources/pdf/OBDD-Book.pdf">http://eccc.hpi-web.de/resources/pdf/OBDD-Book.pdf</a>
Introduction to Computer Graphics	David J. Eck Hobart and William Smith	<a href="https://math.hws.edu/eck/cs424/downloads/graphicsbook-linked.pdf">https://math.hws.edu/eck/cs424/downloads/graphicsbook-linked.pdf</a>
Introduction to Programming Using Java	David J. Eck Hobart and William Smith	<a href="https://math.hws.edu/eck/cs124/downloads/javanotes8-linked.pdf">https://math.hws.edu/eck/cs124/downloads/javanotes8-linked.pdf</a>
An Introduction to Web Development and Programming	Michael Mendez	<a href="https://knightscholar.geneseo.edu/cgi/viewcontent.cgi?article=1016&amp;context=oer-ost">https://knightscholar.geneseo.edu/cgi/viewcontent.cgi?article=1016&amp;context=oer-ost</a>
Operating Systems and Middleware: Supporting Controlled Interaction	Max Hailperin	<a href="https://gustavus.edu/academics/departments/mathematics-computer-science-and-statistics/max/os-book/osm-rev1.3.pdf">https://gustavus.edu/academics/departments/mathematics-computer-science-and-statistics/max/os-book/osm-rev1.3.pdf</a>
Programming Fundamental – a modular structured approach using c++	<a href="#">Kenneth Leroy Busbee</a>	<a href="https://archive.org/details/cnx-org-col10621/mode/2up">https://archive.org/details/cnx-org-col10621/mode/2up</a>

Big Data		<a href="https://www.oreilly.com/data/free/files/disruptive-possibilities.pdf">https://www.oreilly.com/data/free/files/disruptive-possibilities.pdf</a>
Data Science	Robert W. De Graaf	<a href="https://docs.google.com/file/d/0B6iefdnF22XQeVZDSkxjZ0Z5VUE/edit?">https://docs.google.com/file/d/0B6iefdnF22XQeVZDSkxjZ0Z5VUE/edit?</a>
big data analysis framework		<a href="http://www.tutorialspoint.com/hadoop/hadoop_tutorial.pdf?utm_source=7_&amp;utm">http://www.tutorialspoint.com/hadoop/hadoop_tutorial.pdf?utm_source=7_&amp;utm</a>
SQL		<a href="http://www.tutorialspoint.com/sql/sql_tutorial.pdf?utm_source=7_&amp;utm_medium">http://www.tutorialspoint.com/sql/sql_tutorial.pdf?utm_source=7_&amp;utm_medium</a>
NoSQL Databases	Walter Kriha	<a href="https://www.christof-strauch.de/nosql dbs.pdf">https://www.christof-strauch.de/nosql dbs.pdf</a>
Eloquent JavaScript A Modern Introduction to Programming	Marijn Haverbeke	<a href="https://eloquentjavascript.net/1st_edition/">https://eloquentjavascript.net/1st_edition/</a>
<u>Machine Learning</u>	Azure	<a href="https://www.intechopen.com/chapters/6056">https://www.intechopen.com/chapters/6056</a>
DESIGN AND ANALYSIS OF ALGORITHMS	Herbert & Edelsbrunner	<a href="https://courses.cs.duke.edu/fall08/cps230/Book.pdf">https://courses.cs.duke.edu/fall08/cps230/Book.pdf</a>
data mining	Ron Zacharski	<a href="http://guidetodatamining.com/assets/guideChapters/Guide2DataMining.pdf">http://guidetodatamining.com/assets/guideChapters/Guide2DataMining.pdf</a>

Computer Science All Subjects QR Code



Cambridge University Press E-Books



**SUBJECT WISE OLD QUESTION PAPERS**

COURSE	SUBJECT	LINK
	2018,2019,2020,2021	
Bcom CA	Object Oriented programming with C++	<a href="https://drive.google.com/file/d/1Y2LnljegZZec5MGBpo5SbilH271AwlJV/view">https://drive.google.com/file/d/1Y2LnljegZZec5MGBpo5SbilH271AwlJV/view</a>
Bsc	Object Oriented programming with C++	<a href="https://drive.google.com/file/d/1t0VY2-zJUAa91zkJwFrNiwsyP8H2E_MZ/view">https://drive.google.com/file/d/1t0VY2-zJUAa91zkJwFrNiwsyP8H2E_MZ/view</a>
BSC III Yr V Sem	Programming in Java	<a href="https://drive.google.com/file/d/18Q_CWMh4TDMYgjQ51_CsirUo6t0XUczN/view">https://drive.google.com/file/d/18Q_CWMh4TDMYgjQ51_CsirUo6t0XUczN/view</a>
BSC III Yr	Programming in Java	<a href="https://drive.google.com/file/d/1LlhI1cVz48bxcuhM4hcMaVzxj8TtqmNH/view">https://drive.google.com/file/d/1LlhI1cVz48bxcuhM4hcMaVzxj8TtqmNH/view</a>
BSC	Object Oriented Programming with 'C++'	<a href="https://drive.google.com/file/d/1iDq_vYnwohM0NPPyD1ceR-Sq4kkSj9Jm/view">https://drive.google.com/file/d/1iDq_vYnwohM0NPPyD1ceR-Sq4kkSj9Jm/view</a>
BSC	Object Oriented Programming with 'C++'	<a href="https://drive.google.com/file/d/1NGsGzeevjZgNmZFUfFoj0HJa6LTuXJDF/view">https://drive.google.com/file/d/1NGsGzeevjZgNmZFUfFoj0HJa6LTuXJDF/view</a>
BSC I Yr II Sem	Programming in C++	<a href="https://drive.google.com/file/d/1J_UmrE2CbAty1TzFE5IiZoo7LHk2XAOD/view">https://drive.google.com/file/d/1J_UmrE2CbAty1TzFE5IiZoo7LHk2XAOD/view</a>
BSC I Yr II Sem	Programming in C++	<a href="https://drive.google.com/file/d/1GmndnL98z_EXC7qSMrC07ItCw3LBRvQU/view">https://drive.google.com/file/d/1GmndnL98z_EXC7qSMrC07ItCw3LBRvQU/view</a>
BCOM(CA) I Yr II Sem	PROGRAMMING WITH 'C' & 'C++'	<a href="https://drive.google.com/file/d/14vxVXwbQ-SEhuw5Tqfn_0xvGjEiTeOHY/view">https://drive.google.com/file/d/14vxVXwbQ-SEhuw5Tqfn_0xvGjEiTeOHY/view</a>
BSC I Yr I Sem	Programming with C	<a href="https://drive.google.com/file/d/17cFqP9DikmWUfZ-LLyM9xg2S89uF4SRt/view">https://drive.google.com/file/d/17cFqP9DikmWUfZ-LLyM9xg2S89uF4SRt/view</a>

BSC II Yr III Sem	Data Structures Using C++	<a href="https://drive.google.com/file/d/1VapBBq1_Y7U-09vMJh8hwUUjaOFPRlu3/view">https://drive.google.com/file/d/1VapBBq1_Y7U-09vMJh8hwUUjaOFPRlu3/view</a>
BSC II Yr IV Sem	Database Management Systems	<a href="https://drive.google.com/file/d/1GOX9mfvkvwDYAtz4rGewqyhrZIs-Ry6X/view">https://drive.google.com/file/d/1GOX9mfvkvwDYAtz4rGewqyhrZIs-Ry6X/view</a>
BSC II Yr IV Sem	Database Management Systems	<a href="https://drive.google.com/file/d/1lnVhzMwbIslzXUfnXNf6zYFJH5L6NVnW/view">https://drive.google.com/file/d/1lnVhzMwbIslzXUfnXNf6zYFJH5L6NVnW/view</a>
BSC I Yr I Sem	Programming with 'C'	<a href="https://drive.google.com/file/d/1O63cj55TwDhzZCxV3nl-6sfLYtNLI_dF/view">https://drive.google.com/file/d/1O63cj55TwDhzZCxV3nl-6sfLYtNLI_dF/view</a>
BSC III Yr V Sem	Programming in Java	<a href="https://drive.google.com/file/d/18Q_CWMh4TDMYgjQ51_CsirUo6t0XUczN/view">https://drive.google.com/file/d/18Q_CWMh4TDMYgjQ51_CsirUo6t0XUczN/view</a>
BSC	Object Oriented Programming with 'C++'	<a href="https://drive.google.com/file/d/1t0VY2-zJUaA91zkJwFrNiwsyP8H2E_MZ/view">https://drive.google.com/file/d/1t0VY2-zJUaA91zkJwFrNiwsyP8H2E_MZ/view</a>
BCOM(CA) IIYr III Sem	Relational Database Management Systems	<a href="https://drive.google.com/file/d/1ujk8oR1hkJRq4nqB-462TpmUeYBLwmMp/view">https://drive.google.com/file/d/1ujk8oR1hkJRq4nqB-462TpmUeYBLwmMp/view</a>
BSC III Yr V Sem	Programming in Java	<a href="https://drive.google.com/file/d/1LlhI1cVz48bxcuhM4hcMaVzxj8TtqmNH/view">https://drive.google.com/file/d/1LlhI1cVz48bxcuhM4hcMaVzxj8TtqmNH/view</a>



### SUBJECT WISE PPTS

SNO	SUBJECT	NO.OF PPTS
	<b>BSC(CS)</b>	
1	Programming in C	20
2	Programming with C++	20
3	JAVA	15
4	DBMS	20
5	Web Technologies	20
6	Data Structures Using C++	25
	<b>DATA SCIENCE</b>	
1	Programming with C	20
2	Problem solving with python programming	15
3	Data Engineering with Python	15

4	Machine Learning	20
5	Natural Language Processing	15
6	Data Structures and Algorithms	15
7	Big Data	18
	<b>BCOM(CA)</b>	
2	Programming with C and C++	20
3	Relational Database Management System	20
4	Web Technologies	22
5	MIS	20
6	Multimedia Systems	22
	<b>BA(CA)-BSC(Life Sciences)</b>	
1	Programming in C	20
2	Programming with C++	20
3	JAVA	15
4	DBMS	20
5	Web Technologies	20
6	Data Structures Using C++	25