IPT

INTERNET APPLICATION DEVELOPMENT

BOOKS:

1. Internet Technology and information services
   By Joseph B. Miller.

2. Computer Science and web Technology.
   By Adele.

NS (Network security Labs) code

classical cipher

Mono - alphabetic

Poly - alphabetic

Rules (poly)

Modern cipher

symmetric and asymmetric

Hashing

We have to deal with Technique
formula, encryption decryption,
algo flowchart.

Internet Application Development

Concepts and Terminologies

→ **Internet :-** made up of ==sub networks== It is a large network globally accessible by all that uses internet protocol (TCP/IP) It is an INTER connected network.

→ **The Web :-** Web is a large and transformable information which can be access only via internet. It is the service and an application of Internet. It is also Known as ==" Spider Web"==.

→ **Uniform Resource Locators (URL):-** URL specifies the internet address of any file or resource stored in the server, connected to the internet. URL are translated into numeric address (IP address) using a DNS.

```
        protocol  third-level                          directory  file
                   domain    second level domain
        https://www.exampleurl.com /info /aboutus.html
                   sub domain                   top level        page
                                                 domain
                         host name                         path
```

top level domain: region, nature
· pK, · org
second level :- main information
third level :- world wide web - type of

URI (uniform resource identifier). specific file pdf or docs are represented by URI.

→ **Web Browser:-** It is a software program that presents, retrieve the information on the web. The primary function of the web browser is to identify the URL and bring the information and present it on the screen of the user.

→ **Application:-** application is a program or group of program designed for endusers to help people to perform an activity e.g: calculator, computeretc.

→ **Internet Application:-** Internet applications are the type of application which use the internet to operating successfully for (fetching, sharing, and displaying) the information from the respective server systems.

→ **Web Site :-** website is a single point of group of information globally accessible on interlinked globally accessible network.

→ **Web pages :-** The web page(s) is a group of globally accessible, interlinked relevant pages under a single domain name.

→ **Web Application :-** A web application is a software program which is accessible using any web browser, which are suppor -ted by major browsers.
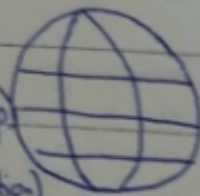
By nature

•) Website

By type

•) Website

•) Web.Application

•) Web Internet Application.

By Dependency

•) Partial (website, Webapp)
eg: blog, essay
•) Full (Internet Application)
eg: Animation video
Banking Application

By operation

•) client Side (website, Webapp)

•) Server Side (Internet App)

→ Desktop
that
-user
to perf

→ Mobil
applic
a si
devi
perfo

→ Web

→ Desktop Application :- Any software application that can be installed on a single end-user device (desktop or laptop) and use to perform specific task and activities.

→ Mobile Application :- Any software application that can be installed on a single portable handed end-user devices (mobile or tablet) and use to perform specific task or activity.

→ Web Services :-

IPT (lect no. 2).

Web of Content	Web of communication
Web 1.0 (1991)	web 2.0 (2000) Web of ~~cor~~ Web 3.0 (20
→ Plain text	→ Text and images.
→ Read only	→ Two-way communicat Create, Updo
→ left align	(Read and write) → Two way w
→ Directory	→ Social Media → chat bo
→ HTML	→ web widgets → Angular
→ website (static 1.2-page)	(eg: clock, calendar). .API, web
→ Zero Interaction.	→ HTML + CSS + JS. → Personal
(no change).	→ Content create. Business.
→ No Animation	→ 2D Animation → 3D g
	→ API's. → Animat
	→ Media
	→ Web

Assignment: ~~world~~ word file.
form

NS (Lab): write program of any
language.
make application.

Things.

Web of context	Web of Intet	Web of Thoughts
Web 3.0 (2008-10)	web 4.0 (2015-18)	web 5.0 (2018-N.)
→ Create, Update, delete	→ Create, Update, delete	
→ Two way communication	→ Two way communication	
→ chat bots.	→ AI, ML, DS.	
→ Angular, etc.	→ Micro server	
→ API, web services	→ Smart Agent.	
→ Personal, Social Business.	→ IOT	
→ 3D graphics		
→ Animation		
→ Media Content		
→ Web Agent		