A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURES

2018 – 2024

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Guest Lectures organized from 2018-2024

S.No.	Date	Department	Guest Lecture Topic	Name of the Resource Person
1	20-09-2018	Computer Science	Multi-Threading	**Mr.G.B.V Padmanadh,** Lecturer in Computer Science, P.R.Govt.Degree College(A), Kakinada.
2	15-02-2019	Computer Science	CAPTCHA	**Dr.Ch.N.Manisha,** Lecturer in Computer Science, A.S.N.D.College, Palakol
3	25-09-2019	Computer Science	Applications of Photoshop	**Mr. V. Phani Kumar Rayudu** Lecturer in Computer Applications, P.R.Govt.Degree College(A), Kakinada.
4	27-02-2020	Computer Science	Designing Dynamic Webpages	**Mr.Manas Kumar Yogi** Assistant Professor in CSE Pragati Engineering College, Surampalem
5	03-02-2021	Computer Science	Exception Handling	**Mrs. E.Jyothi Kiranmai** Lecturer in Computer Science GDC(W), Nidadavole.
6	26-10-2021	Computer Science	Relational Data Model	**Mrs. P.Jyothi** Lecturer in Computer Applications, P.R.Govt.Degree College(A), Kakinada.
7	02-12-2022	Computer Science	Machine Learning – Applications	**Dr.K.V.Devi Priya** Professor in CSE Lakkireddy Balireddy College of Engineering, Mylavaram.
8	06-04-2024	Computer Science	Machine Learning Algorithms	**Ms.T.Sudharani** Associate Professor in CSE Aditya Engineering College, Surampalem
9	12-06-2024	Computer Science	Normalization	**Dr.K.V Sobharani** Lecturer in Computer Applications, GDC Ramachardrapuram

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2018-19

GUEST LECTURE

By

G.B.V.Padmanadh M.Tech(Ph.D.)

Date : 20-09-2018

Topic : **Multithreading**

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

G.SATYA SUNEETHA, LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTERS

Activity Register 2018-2019

Date	20/09/2018
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Multithreading**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**G.B.V. Padmanadh M.Tech(Ph.D)** Lecturer in Computer Science, P.R. Govt. Degree College(A), Kakinada.
No.of students participated	80
Brief Report on the activity	It gives the information about Threading and benefits of threading.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science G.Satya Suneetha, Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	N.N.S.Eswari INCHARGE DEPT OF COMPUTER SCIENCE A.S.D.GOVT.DEGREE COLLEGE(WOMEN)(AUTONOMOUS) KAKINADA
Signature of the Principal	H. Suvarchala PRINCIPAL A.S.D.GOVT.DEGREE COLLEGE (W) AUTONOMOUS KAKINADA
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year. The College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A) KAKINADA
DEPARTMENT OF COMPUTER SCIENCE

INVITATION

స్త్రీ విద్యా ప్రవర్ధతాం

The Department of Computer Science wishes to arrange A Guest Lecture
on
20-09-2018 at 03.00 p.m. in Computer Lab-II

Subject: Object Oriented Programming Using Java
Topic: Multithreading

By

Sri.G.B.V.Padmanadh M.Tech(Ph.D)
Lecturer in Computer Science ,
P.R.Govt. Degree College(A), Kakinada.

N.N.S. Eswari
INCHARGE
DEPT. OF COMPUTER SCIENCE
A.S.D.GOVT.DEGREE COLLEGE(W)(AUTONOMOUS)
KAKINADA

I*n-charge*
Department of Computer Science

H. Suvarchala
PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

Principal

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE FILE

NAME OF THE GUEST : G.B.V. Padmanadh M.Tech(Ph.D)
Lecturer in Computer Science,
P.R. Govt. Degree College(A), Kakinada.

TOPIC : Multithreading

DATE : 20 -09-2018

VENUE : Computer Lab-II

N.N.S. Eswari
INCHARGE
DEPT OF COMPUTER SCIENCE
GOVT DEGREE COLLEGE (WOMEN) (AUTONOMOUS)
KAKINADA

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN(A), KAKINADA

DEPARTMENTS OF COMPUTER SCIENCE

GUEST LECTURE

TOPIC : Multithreading

Date: 20 -09-2018 **VENUE: Computer Lab-II** **TIME: 3:00 PM**

S.NO.	NAME OF THE STUDENT	CLASS/GROUP	SIGNATURE
1.	M.SatyaSowmya	II BSc [MPCs]	M.Sowmya
2.	G. Hemasri	II BSC [mpcs]	G. Hemasri.
3.	M. Meenakumari	II BSC [MPCS]	M. Meenakumari
4)	G. Suvarna	II BSC(MPCS)	G. Suvarna.
5	P. Veera Veni	II B.SC (MPCS)	P. Veera Veni
6.	D. Nookaratnam	II BSC (MPCS)	D. Nookaratnam
7.	D. Vijaya Lakshmi	II B.Sc (mpcs)	D. Vijaya Lakshmi
8.	N. Bhargavi	II BSC [MPCS]	N. Bhargavi
9,	N. Navya	II BSC [MPCS]	N. Navya
10.	A. satya sai	II BSC [MPCS]	A. Satya Sai
11	T. Mahalaxmi	II BSC(MPCS)	T. Mahalaxmi
12.	S. Sirisha	II BSc (MPCS)	S. Sirisha
13.	M. Ramya Sri	II B.Sc (MPCS)	M. Ramya Sri
14.	M. Mary Ratnam	II. B.Com [CA]	M. Mary Ratnam
15.	N. Satya lakshmi	II B.SC [MPCS]	N. Satya lakshmi
16.	S. Rani	II B.SC [MPCS]	S. Rani
17.	P. Sandhya Durga	II BSC (MPCs)	P. Sandhya Durga
18.	A. Lakshmi Syamala	II B.Com [CA]	A. Lakshmi Syamala
19.	P. Uma devi	II B.com (C.A)	P. Uma devi
20.	T. Durga Bhavani	II B.Com (CA)	T. Durga Bhavani
21.	ch. manika	II B.com(CA)	ch. manika
22.	A. Madhavi	II B.COM (C.A)	A. Madhavi
23	N. Devi Sri	II B.com (CA)	N. Devi Sri
24	P. Alekhya	II B.com (CA)	P. Alekhya.
25	A. Leeladurga	II B.com (CA)	A. Leeladurga
26	R. SaiSowMYA	II BCOM (CA)	R. SaiSowmya
27.	B. venkata Ramya	II B.com (CA)	B. V. Ramya
28.	E. Navya Ratna	II. B.COM (CA)	E. navya

S.NO.	NAME OF THE STUDENT	CLASS/GROUP	SIGNATURE
29.	M. Satya Srija	II - B.COM (C.A)	M. Satya Srija
30.	M. Lakshmi Suryavathi	II - B.Com (CA)	M. Lakshmi Suryavathi
31.	Vasudha Dasari	II - BSc (MPCS)	Vasudha Dasari
32.	M. Gravthami	II B.Com (CA)	M. Gravthami
33.	K. Nandeeswari	II B.COM (C.A)	K. Nandeeswari
34.	Y. Thirumala Ramani	II B.COM (C.A)	Y. T. Ramani
35	V. Syamala Kumari	II B.Com (C.A)	V. S. Kumari
36.	B. Kusuma	II BSC (MPCS)	B. Kusuma
37	A. Gayatri devi	II BSc (MPCS)	A. Gayatri devi
38	Sk. Basheera	II BSc (MPCS)	Sk. Basheera
39	S. Sirisha	II BSc (MPCS)	S. Sirisha
40	S.V.S. Kranthi	II BSc (MPCS)	S.V.S. Kranthi
41.	D. Ramakumi	II BSc (MPCS)	D. Ramakumi
42.	T. sitalaxnam	II BSc (MPCS)	T. sitalaxnam
43.	A. Sai Mahalakshmi	II BSc (MPCS)	A. Sai mahalakshmi
44	R. Savithri	II BSc (MPCS)	R. Savithri
45.	N. Poojitha	II BSc (MPCS)	N. Poojitha
46.	K.V.V.N.K.S.D. Bhavani	II BSc (MPCS)	K. Bhavani
47.	P. Syamala devi prasanna	II BSc (MPCS)	P.S.D. Prasanna
48	T. Veera Rani	II Bsc (MPCS)	T. Veera Rani
49	G. Damayanthi	II BSc (MPCS)	G. Damayanthi
50.	Md. Nafisa	II BSc (MPCS)	Md. Nafisa
51.	P. Swarna	II BSc (MPCS)	P. Swarna
52.	V. Monika	II BSC (MPCS)	V. Monika
53	M. Saranya	II BSc (MPCS)	M. Saranya

N.N.S. Eswari
INCHARGE
DEPT OF COMPUTER SCIENCE
GDGOVT DEGREE COLLEGE (MAUTONOMOUS)
KAKINADA

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE

2018-19

GUEST LECTURE

By

Dr.Ch.Naga Manisha

Date : 15-02-2019

Topic : **CAPTCHA**

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

G.SATYA SUNEETHA, LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2018-2019

Date	15/02/2019
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**CAPTCHA**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**Dr.Ch.Naga Manisha,** Lecturer in Computer Applications, A.S.N.M. Govt. Degree College(A), Palakol.
No. of students participated	60
Brief Report on the activity	It gives the information about CAPTCHA and its applications in Network Security.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science G.Satya Suneetha, Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	N.N.S.Eswari INCHARGE DEPT OF COMPUTER SCIENCE A.S.D.GOVT.DEGREE COLLEGE(W)(AUTONOMOUS) KAKINADA
Signature of the Principal	H. Suvarchala PRINCIPAL A.S.D.GOVT.DEGREE COLLEGE (W) AUTONOMOUS KAKINADA
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year. The College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : Dr.Ch.Naga Manisha,
Lecturer in Computer Applications,
A.S.N.M. Govt. Degree College(A), Palakol.

TOPIC : CAPTCHA

DATE : 15-02-2019

VENUE : Computer Lab-II

N.N.S.Eswari
I/C CHARGE
DEPT. OF COMPUTER SCIENCE
A.S.D.GOVT. DEGREE COLLEGE (AUTONOMOUS)
KAKINADA

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

TOPIC : CAPTCHA

Date: 15-02-2019 **VENUE: Computer Lab-II** **TIME: 2:00 PM**

TOPIC	VENUE	DATE	TIME	SIGNATURE OF THE GUEST
CAPTCHA	Computer Lab-II	15-02-2019	2 P.M.	

Signatures of the Lecturers of the Department:

1. N.N.S Eswari
2. Sunetha

N.N.S. Eswari
INCHARGE
DEPT. OF COMPUTER SCIENCE
A.S.D.GOVT. DEGREE COLLEGE (W) AUTONOMOUS
KAKINADA

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE

INVITATION

స్త్రీ విద్యా ప్రవర్ధతాం

The Department of Computer Science wishes to arrange A Guest Lecture
on
15-02-2019 at 02.00 p.m. in Computer Lab-II

Topic: CAPTCHA

By

Dr.Ch.Naga Manisha,
Lecturer in Computer Applications,
A.S.N.M. Govt. Degree College(A), Palakol

N.N.S. Eswari
INCHARGE
DEPT. OF COMPUTER SCIENCE
AS GOVT. DEGREE COLLEGE (WOMEN) (AUTONOMOUS)
KAKINADA

In-charge of the Department

H. Suvarchala
PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE

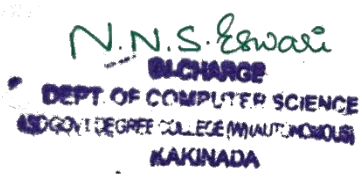
GUEST LECTURE

Guest Lecture conducted for the Students of III B.Sc(M.P.Cs) and III B.Com(C.A)

Name of the Lecturer **:** **Dr.Ch. Naga Manisha,**
Lecturer in Computer Applications,
A.S.N.M. Govt. Degree College (A),
Palakol.

Signatures of the Lecturers of the Department:

1. 

2. 

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

Jagannaickpur, Kakinada

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

Topic:CAPTCHA **Date:15-02-2019**

S.NO.	NAME OF THE STUDENT	CLASS/GROUP	SIGNATURE
1.	S. Satya Devi	III BSC [MPCS]	S. S Devi
2	K. Thansi Rani	III BSC [MPCS]	K. Thansi Rani
3.	SK. Habeeba Sulthana	III B.SC. [MPCS]	SK. Habeeba Sulthana
4	G. Anusha	III B.SC (MPCS)	G. Anusha
5	A. Durga Bhavani	III B.SC(MPCS)	A. Durga Bhavani
6	A.V.S. Ammani	III B.SC (MPCS)	A.V.S. Ammani
7	A. Lakshmi	III BSC (MPCS)	A. Lakshmi
8	SV. Sailaja	III BSC (MPCS)	SV. Sailaja
9	M. Sisusha	III BSC (MPCS)	M. Sisusha
10.	S. Aruna Kumari	III BSC (MPCS)	S. Aruna Kumari
11.	T. Sailaja	III BSC (MPCS)	T. Sailaja
12.	N. Pavani	III BSC (MPCS)	N. Pavani
13.	K. Sravani	III BSC (MPCS)	K. Sravani
14.	V. Devi	III BSC (MPCS)	V. Devi
15.	N. Devi	III B.Sc (MPCS)	N. Devi
16.	K. Suguna	III BSC (MPCS)	K. Suguna
17.	P. Mounika	III B.COM (C.A)	P. Mounika
18.	M. Aruna Padmaja	III B.COM (C.A)	M. Aruna Padmaja
19.	N. Veeraveni	III B.COM (C.A)	N. Veeraveni
20	G. Swapna kumari	III B.COM (C.A)	G. Swapna kumari
21	M. Sanitha veni	III B COM (C.A)	M. Sanitha veni
22	K. Suneetha	III B COM (C.A)	K. Suneetha
23.	B. Maneesha Rani	III B.COM (C.A)	B. Maneesha Rani
24.	B. Yamini	III B.COM (C.A)	B. Yamini
25.	N. Sumitra	III B.COM (C.A)	N. Sumitra
26.	K. Durga prasanna	III B.COM (C.A)	K. Durga prasanna
27.	M. Pavani	III B.COM (C.A)	M. Pavani

S.NO.	NAME OF THE STUDENT	CLASS/GROUP	SIGNATURE
28.	SK. Bhasheramma	III B.Com(C.A)	Sk. Basheramma
29.	M. Vanetha	III B.Com(C.A)	M Vanetha
30.	K. Deevena	II · B.Com (C.A)	K. Deevena
31	R. Divya Sai	III · B.com(C.A)	R. Divya Sai
32.	M. Veera mani	III · B.com(C.A)	M. Veera mani
33.	G. NAVya	II · B.com (C.A)	G. Navya
34.	M.V.S. Sirisha	III B.SC (MPCS)	M.V.S. Sirisha
35.	V. Ganga Bhavani	III B.SC (MPCS)	V.G. Bhavani
36.	A. divya	II B.SC (MPCS)	A. Divya
37.	V. Udayasri	III BSC (MPCS)	V. Udayasri
38.	m. Satya Sai	III BSC (MPCS)	m. satya sai
39.	D. Bhavani	III BSC (MPCS)	D. Bhavani
40.	Sk. NaBamin	III BSC (MPCS)	Sk. NaBamin
41	M Nagamani	III BSC (MPCS)	M. N. Mani
42	T. Bala Tripura Sundhari	III BSC (MPCS)	T. Bala.
43	V. Vijaya Mounika	III BSC (MPCS)	Vijaya Mounika
44.	V. Neelima	III BSC (MPCS)	Neelima.
45.	B. Venkata padma	III BSC (MPCS)	B. Venkata padma.
46.	Md. Asma	III B.com (CA)	Md. Asma
47.	P. Sandya	III B.com (CA)	P Sandya
48.	D. Swapna Kasturi	III B.com (C.A)	D. Swapna Kasturi
49.	D. Divya	III B.com (C.A)	D. Divya
50.	V. Bhavani	II B.Com (CA)	V. Bhavani

N.N.S. Eswari
INCHARGE
DEPT. OF COMPUTER SCIENCE
GOVT DEGREE COLLEGE (AUTONOMOUS)
KAKINADA

CAPTCHA

CAPTCHA, an acronym that stands for **Completely Automated Public Turing Test to tell computers and humans apart**. A **CAPTCHA** is a type of challenge–response test used in computing to determine whether or not the user is human. A CAPTCHA is a program that protects websites against bots by generating and grading tests that humans can pass but current computer programs cannot. For example, humans can read distorted text but current computer programs can't.

Why would anyone need to create a test that can tell humans and computers apart? It's because of people trying to **game** the system -- they want to exploit weaknesses in the computers running the site. While these individuals probably make up a minority of all the people on the Internet, their actions can affect millions of users and Web sites. For example, a free e-mail service might find itself bombarded by account requests from an automated program. That automated program could be part of a larger attempt to send out spam mail to millions of people. The CAPTCHA test helps identify which users are real human beings and which ones are computer programs.

Examples


Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file
Configuration file


Type the two words:
reCAPTCHA
stop spam. read books.
Submit
The words above come from scanned books. By typing them, you help to digitize old texts.


vidoopSecure
VidoopCAPTCHA Demo
Display style:
Original
Space Saver Flyout
Space Saver Lightbox
Type in the 3 letters you see on pictures of the computer, the money, and the dog, in that order.

Working of CAPTCHA

CAPTCHAs work by asking to type a phrase that a robot would be hard-pressed to read. Commonly, these CAPTCHA phrases are pictures of scrambled words, but for visually impaired people they also could be voice recordings. These pictures and recordings are hard for conventional software programs to understand, and hence, robots are usually unable to type the phrase in response to the picture or recording. As artificial intelligence capabilities increase, the spam bots grow more sophisticated, so the CAPTCHAs generally evolve in complexity as a response.

Are CAPTCHAs Successful?

CAPTCHA tests effectively block most unsophisticated automated attacks, which is why they're so prevalent. They're not without their flaws, however, including a tendency to irritate people who have to answer them.

Google's Re-CAPTCHA software—the next evolution of CAPTCHA technology—uses a different approach. It tries to guess whether a session was initiated by a human or a bot by examining the behaviour when the page loads. If it can't tell a human is behind the keyboard, it offers a different kind of test, either the "click here to prove you're human" box or a visual puzzle based on a Google Images photo or a phrase scanned from Google Books. In the photo test, you click all the parts of an image that contains some sort of object, like a street sign or an automobile. Answer correctly, and you continue; answer incorrectly, and you're presented with another image puzzle to solve.

Some vendors offer technology that removes the "test" part of the CAPTCHA by granting or denying website access solely on some criteria related to the pattern of interaction of a Web session. If the security software suspects there's no human driving the session, it silently denies a connection. Otherwise, it grants access to the requested page without any intermediary test or quiz.

Applications of CAPTCHA

- **Preventing Comment Spam in Blogs.** Most bloggers are familiar with programs that submit bogus comments, usually for the purpose of raising search engine ranks of some website (e.g., "buy penny stocks here"). This is called comment spam. By using a CAPTCHA, only humans can enter comments on a blog. There is no need to make users sign up before they enter a comment, and no legitimate comments are ever lost!
- **Protecting Website Registration.** Several companies (Yahoo!, Microsoft, etc.) offer free email services. Up until a few years ago, most of these services suffered from a specific type of attack: "bots" that would sign up for thousands of email accounts every minute. The solution to this problem was to use CAPTCHAs to ensure that only humans obtain free accounts. In general, free services should be protected with a CAPTCHA in order to prevent abuse by automated scripts.
- **Protecting Email Addresses From Scrapers.** Spammers crawl the Web in search of email addresses posted in clear text. CAPTCHAs provide an effective mechanism to hide your email address from Web scrapers. The idea is to require users to solve a CAPTCHA before showing your email address. A free and secure implementation that uses CAPTCHAs to obfuscate an email address can be found at reCAPTCHA MailHide.

- **Online Polls.** In November 1999, *http://www.slashdot.org* released an online poll asking which was the best graduate school in computer science (a dangerous question to ask over the web!). As is the case with most online polls, IP addresses of voters were recorded in order to prevent single users from voting more than once. However, students at Carnegie Mellon found a way to stuff the ballots using programs that voted for CMU thousands of times. CMU's score started growing rapidly. The next day, students at MIT wrote their own program and the poll became a contest between voting "bots." MIT finished with 21,156 votes, Carnegie Mellon with 21,032 and every other school with less than 1,000. Can the result of any online poll be trusted? Not unless the poll ensures that only humans can vote.
- **Preventing Dictionary Attacks.** CAPTCHAs can also be used to prevent dictionary attacks in password systems. The idea is simple: prevent a computer from being able to iterate through the entire space of passwords by requiring it to solve a CAPTCHA after a certain number of unsuccessful logins. This is better than the classic approach of locking an account after a sequence of unsuccessful logins, since doing so allows an attacker to lock accounts at will.
- **Search Engine Bots.** It is sometimes desirable to keep webpages unindexed to prevent others from finding them easily. There is an html tag to prevent search engine bots from reading web pages. The tag, however, doesn't guarantee that bots won't read a web page; it only serves to say "no bots, please." Search engine bots, since they usually belong to large companies, respect web pages that don't want to allow them in. However, in order to truly guarantee that bots won't enter a web site, CAPTCHAs are needed.
- **Worms and Spam.** CAPTCHAs also offer a plausible solution against email worms and spam: "I will only accept an email if I know there is a human behind the other computer." A few companies are already marketing this idea.

reCAPTCHA

reCAPTCHA is a free service that protects your website from spam and abuse. reCAPTCHA uses an advanced risk analysis engine and adaptive challenges to keep automated software from engaging in abusive activities on your site. It does this while letting your valid users pass through with ease. reCAPTCHA is built for security. Armed with state of the art technology, reCAPTCHA is always at the forefront of spam and abuse fighting trends so it can provide you an unparalleled view into abusive traffic on your site.

N.N.S. Eswari
Signature of the HOD
IN - HARGE
DEPT OF COMPUTER SCIENCE
ASDGOVT DEGREE COLLEGE (M)(AUTONOMOUS)
KAKINADA

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

స్త్రీ విద్యాప్రవర్ధతాం

GUEST LECTURE

2019-2020

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2019- 20

GUEST LECTURE

By

V.Phani Kumar Rayudu M.C.A.
Lecturer in Computer Applications,
P.R. Govt. Degree College(A), Kakinada.

Date : 25-09-2019

Topic : **Applications of Photoshop**

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

G.SATYA SUNEETHA, LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2019-2020

Date	25/09/2019
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Applications of Photoshop**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**V. Phani Kumar Rayudu** Lecturer in Computer Applications, P.R. Govt. Degree College(A), Kakinada.
No.of students participated	60
Brief Report on the activity	To enable the students to identify the potential applications of Photoshop in real time.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science G.Satya Suneetha, Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	N.N.S. Eswari 25/9/2019
Signature of the Principal	H. Suvarchala. 25/9/2019
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year. The

College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : V. Phani Kumar Rayudu M.C.A.
Lecturer in Computer Applications,
P.R. Govt. Degree College(A), Kakinada.

TOPIC : Applications of Photoshop

DATE : 25-09-2019

VENUE : Computer Lab

N.N.S. Rayudu 25/9/2019

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN(A), KAKINADA

DEPARTMENTS OF COMPUTER SCIENCE

GUEST LECTURE

TOPIC : Applications of Photoshop

DATE: 25-09-2019 **VENUE: Computer Lab-II** **TIME: 11:00 AM**

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS	SIGNATURE
1.	192098	M. Pavani	1st BSC(MPCS)	M. pavani
2.	192087	B. Bhanu sri	1st BSC[MPCS]	B. Bhanu sri
3	192070	J.J.H. Mahalakshmi	1st BSC[MPCS]	JMahalakshmi
4	192074	O. Lavanya	1st BSC(MPCS)	O. Lavanya
5.	192082	K. Sravani Naga laxmi	1st B.SC (MPCS)	K. Sravani
6	192071	O. Kaveri	1st BSC [MPCS]	O. Kaveri
7	192064	S. Divya	1st BSC [MPCS]	S. Divya
8	192055	R. Satyavai	1st BSC (MPCS)	R. Satyavai
9	192057	K. Vimaladevi	1st BSC (MPCS)	K. Vimala
10.	192077	S. Niharika	1st BSC (MPCS)	S. Niharika
11.	192105	J. Swathi	1st BSC(MPCS)	J. Swathi
12)	192072	Y. Kusuma	1st BSC (MPCS)	Y. Kusuma
13.	192109	T.V.V. Satya Durga	1st BSC (MPCS)	T.V.V. Satya Durga
14.	192078	G. Praneetha	1st BSC (MPCS)	G. Praneetha
15.	192063	K. Bhavani	1st BSC (MPCS)	K. Bhavani
16.	192081	Sirisha	1st BSC (MPCS)	Sirisha
17.	192110	P. Vijaya Durga	1st BSC (MPCS)	P. Vijaya Durga
18.	192086	T. Asha Jyothi	1st BSC(MPCS)	T. Asha Jyothi
19.	SK. Saajida 192103	T. Sirisha	1st B.SC(MPCS)	T. Sirisha
19	192103	SK. Saajida	1st BSC [MPCS]	SK. Saajida
20.	192054	MD. Reshma Begum	1st BSC [MPCS]	MD. Reshma Begum
21	192068	V. Thansi sri sai	1st BSC (MPCS)	V. Thansi
22.	192095	B. Komalimani tanta	1st BSC [MPCS]	B. K. Manitanta
23.	192085	K. Veera Pavani	1st BSC[MPCS]	K. V. Pavani
24.	192060	K. Baladeepika	1st BSC [MPCS]	K. Baladeepika
25	192066	Ch. Durga Ramya	I BSC (MPCS)	Ch. Durga Ramya
26.	192058	A. Sireesha	I BSC (MPCS)	A. Sireesha
27.	192080	A. Pratyusha	I BSC (MPCS)	A. Pratyusha
28.	192062	T. Bhanu	I BSC (MPCS)	T. Bhanu
29.	192096	K. Nagalakshmi	I BSC (MPCS)	K. Nagalakshmi

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS	SIGNATURE
1	119	K. Parimala	B.Com - C.A	K. Parimala
2	120.	K. Kavya	B.Com - C.A	K. Kavya
3	121	E. Srujananjali	I B.com - CA	E. Srujanjali
4	122	G. Anantha laxmi	I B.Com - CA	G. A. Lakshmi
5	123	G. Aparna	I B.Com - CA	G. Aparna
6	124	K. Bharati	I. B. Com - CA	K. Bharati
7	125	P. Devi Mounika	I. B.Com - C.A	P. Devi Mounika
8	126	P. Ramani	I BCom CA	P. Ramani
9	127	B. Durga bhavani	I - BCom - CA	B. D. Bhavani
10	128	M. Laya Munnisha	I. B.Com - C.A	M. Laya Munnisha
11	129	K. malleswari	I. B. Com - C.A	K. malleswari
12	130	P. Sri mounika	I. B. Com - C.A	P. Sri Mounika
13	131	K. Anusha	I B. Com - C.A	K. Anusha
14	132	S. Bhagya sri	I B. Com - C.A	S. Bhagyasri
15	133	B. Jashna Durga	I. B. Com - C.A	B. Jashna
16	134	Ch. L. Sowjanya	I. BCom - C.A	Ch. L. Sowjanya
17	135	K. Nandu hari Jyothi	I. BCom - CA	K. nandu hari jyothi
18	136	J. Narmadha	I. B.Com - C.A	J. Narmadha
19	137	B. Nookaratnam	I. B. COM CA	B. Nookaratnam
20	138	P. Padma Latha	I B. Com - CA	P. Padmalatha.
21	139	P. Pavithra	I. B.Com - C.A	P. Pavithra
22	140	K. Savithri	I BCom - CA	K. Savithri
23	141	N. Ramatulasi	I. BCom - C.A	N. R. Tulasi
24	142	J. Sasi Rekha	1 B.com C.A	J. Sasi Rekha
25	143	M. Sonia	I B. Com CA	M. Sonia
26	144	B. Sumalle	I B. Com CA	B. Sumalle
27	145	B. Sunitha Devi	I. B. Com - C.A	B. Sunitha Devi
28	146	K. Tanuja	I B. Com - C.A	K. Tanuja
29	147	R. Veeramani	I. B. Com - CA	R. Veeramani

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A) KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

INVITATION

స్త్రీ విద్యా ప్రవర్ధతాం

The Department of Computer Science wishes to arrange A Guest Lecture
on
25-09-2019 at 11.00 A.M. in Computer Lab-II

Subject: Computer Fundamentals and Photoshop

Topic: Applications of Photoshop

By

Sri.V.Phani Kumar Rayudu M.C.A.
Lecturer in Computer Applications,
P.R.Govt. Degree College(A), Kakinada.

N.N.S. Easwari 25/9/2019

In-Charge of the Department

H. Suvarchala. 25/9/2019

Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)

KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

A Guest Lecture is conducted for the Students of I B.Sc (M.P.Cs) and I B.Com (C.A.)

Name of the Guest : Sri.V.Phani Kumar Rayudu M.C.A.
Lecturer in Computer Applications,
P.R.Govt. Degree College(A), Kakinada.

TOPIC	VENUE	DATE	TIME	SIGNATURE OF THE GUEST
Applications of Photoshop	Computer Lab-II	25-09-2019	11 AM	R.V.P. Kumar 25/9/19

Signatures of the Lecturers Attended:

1. N.N.S. Eswari 25/9/19
2. Sunetha 25/9/19

H. Suvarchala. 25/9/2019

Signature of the Principal

Sri.V.Phani Kumar Rayudu giving lecture on “Applications of Photoshop”

Applications of Adobe Photoshop

1) Image Writing

Photoshop is named Photoshop for a reason… it's a superb tool for writing photos. If a designer is getting ready a digital or scanned photograph to be used in a very project, whether or not it's a website, brochure, book style or packaging, the primary step is commonly to bring it into Photoshop. employing a kind of tools inside the package, a designer can:

- Adjust proper color.
- Touch-up photos, like "erasing" a blemish or removing a tear or fold
- Apply an outsized choice of filters like "watercolor" for computer graphics and designs
- Optimize photos for the online by selecting file formats and reducing file size
- Save photos in various kind of formats
- Use their creative thinking to perform multitudinous tasks
- Resize photos
- Crop Photos

2) Website Designing

Photoshop is that the most popular tool for several net designers. whereas it's capable of commercial markup language, it's typically not designed to code websites, however rather to style them before moving on to the committal to writing stage. As a result of its straightforward process to pull components round the page, modify colors and add components which will simply get to modification later makes website designing really easy. By uses of Photoshop, a web designer can:

- Export multiples versions of graphics for mouse rollovers
- Design individual components like buttons or backgrounds
- Slice up graphics into a set of pictures (such as for a button bar)

3) Project Layout

As mentioned earlier package like In Design and Artist is good for layout, or publication. However, Photoshop is over spare for doing this kind of labor. The Adobe inventive Suite is a complete package, such a big amount of designers could begin with Photoshop and expand later. comes like business cards, posters, postcards, and flyers are often completed exploitation Photoshop's kind tools and graphics writing capabilities.

4) Graphics Creation

The Adobe developers have spent years making the Photoshop tools and interface, that improve with every release. the power to form custom paint brushes, add effects like drop shadows, work with photos and a large kind of tools build Photoshop a good tool for making original graphics.

5) Pattern and Texture Styles

Pattern and texture are the best work that you simply will neutralize by uses of Photoshop however that need very little creative thinking. Image Patterns/Product background pattern/ text pattern etc. facilitate to style thought quickly and build it a lot of enticing for users.

To design pattern initial you wish to line image size higher than 3000px min. and so you'll draw one image and paste every image per your creative thinking.

6) Politics and Social Media

You know that there are infective agent pictures of politicians on the web. Those pictures are funny, annoying and have utilized by political parties and media corporations for numerous election campaigns.

Most of the pictures are designed and amended in Adobe Photoshop. this can be negative inventive works that facilitate solely parties and campaign specialists to smash the name of their opponent or different political parties. Such pictures explore damaging creative thinking in social media users mind and typically it's funny for several folks.
You can produce and save pictures in numerous formats in Adobe Photoshop like most well-liked .png, .jpeg, .gif etc.

7) Brand Style

Logo style is another work that you simply will do exploitation Adobe Photoshop. I feel the majority brand designers use Adobe Photoshop. whereas there are different applications conjointly offered like Corel Draw, Adobe artist, and online brand style websites. however, I found that coming up with logos and for crowning glory, I in person use Adobe Photoshop.
Uses of Photoshop helps in reducing sizes, rising pixels within the image, resizing for logos and disapproval material for numerous net applications is best to form in Adobe Photoshop than the other application.

8) Business

You can use Adobe Photoshop to begin and promote business. like you'll style and supply Adobe Photoshop and graphics coming up with services to shoppers.

9) Career and Jobs

Graphics designers and creative skills are continuously in demand. you'll get Adobe Photoshop jobs online and offline terribly simply.

10) Designing Quotes Pictures

Quotes creation, styles are another biggest uses of Photoshop. you'll see that websites and social media user share numerous funny, sacred, academic and technical etc. quotes pictures. These quotes pictures are designed and created by brands, people, web site homeowners, and firms exploitation Adobe Photoshop.

Conclusion – Uses Of Photoshop

Adobe Photoshop is an evergreen application that I feel everybody ought to use. It's as a result of Adobe Photoshop explores creative thinking and thoughts. Students will learn numerous skills in order that keep them partaking with their inventive works. I feel schools and computer academics ought to offer and teach basic uses of Photoshop and graphics coming up with skills to students. whereas there are different uses of Photoshop alternatives offered on the web. Continuously improving and innovating options in Adobe Photoshop makes it the best tool available in the market. However, I feel they did a great job in the development and innovation of options in applications of Adobe Photoshop.

N.N.S. Eswari
Signature of the HOD
I/C - HARGE
DEPT OF COMPUTER SCIENCE
ASDGOVT DEGREE COLLEGE (M)(AUTONOMOUS)
KAKINADA

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

స్త్రీ విద్యాప్రవర్ధతాం

GUEST LECTURE

2019-2020

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2019- 20

GUEST LECTURE

By

Manas Kumar Yogi
Assistant Professor
Pragati Engineering College
ADB Road ,Surampaem

Date : 27-02-2020

Topic : **Designing Dynamic Web Pages**

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

G.SATYA SUNEETHA, LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2019-2020

Date	27/02/2020
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Designing Dynamic Web Pages**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**Manas Kumar Yogi** Assistant Professor Pragati Engineering College ADB Road ,Surampaem
No.of students participated	55
Brief Report on the activity	To enable the students to design Dynamic Web pages.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science G.Satya Suneetha, Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	N.N.S. Subrahmanyeswari 27/2/2020
Signature of the Principal	
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year.

The College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : Manas Kumar Yogi
Assistant Professor
Pragati Engineering College
ADB Road ,Surampaem

TOPIC : Designing Dynamic Web Pages

DATE : 27-02-2020

VENUE : Computer Lab-II

N.N.S. కొయ్యలు 27/2/2020

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN(A), KAKINADA
DEPARTMENTS OF COMPUTER SCIENCE

GUEST LECTURE

TOPIC : Designing Dynamic Web Pages

DATE: 27-02-2020 **VENUE: Computer Lab-II** **TIME: 11:00 AM**

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS	SIGNATURE
1.	1732033	P. Syamala devi	III BSC (MPCS)	P.S.D.Prasanna
2.	1732034	P. Suvarna	III BSC (MPCS)	P.Suvarna
3.	1732031	N. Satyalakshmi	III BSC (MPCS)	N.Satyalakshmi
4.	1732019	K.V.D. Bhavani	III BSC (MPCS)	K.V.D. Bhavani
5.	1732023	K. Monika	III BSC (MPCS)	K. Monika
6.	1732018	G. Damayanthi	III BSC (MPCS)	G. Damayanthi
7	1732040	T. Veera Veni	II BSC (MPCS)	T. Veera Veni
8	1732037	M. Saranya	II BSC (MPCS)	M. Saranya
9	1732052	S. Rani	III BSC (MPCS)	S. Rani
10	1732004	P. Veera Veni	III BSC (MPCS)	P. Veera Veni
11	1732013	D. Nookaratnam	III BSC (MPCS)	D. Nookaratnam
12	1732020	K. Nookaratnam	III BSC (MPCS)	K. Nookaratnam
13	1732039	T. Ramya	III BSC (MPCS)	T. Ramya
14	1732015	G. Roshini	III BSC (MPCS)	G. Roshini
15	1732058	M. Siva parvathi	III BSC (MPCS)	M. Siva parvathi
16	1732036	S. Kavya	III BSC (MPCS)	S. Kavya
17.	1732026	M. Neena Kumari	III BSC (MPCS)	M. Neena Kumari
18.	1732028	M.S. Soumya	III BSC (MPCS)	M.S. Soumya
19	1732006	D. Vijaya Lakshmi	III BSC (MPCS)	D. Vijaya Lakshmi
20	1732024	Vasudha Devi	III B.SC (MPCS)	Vasudha Devi
21	1732027	M. Saranya	III BSC (MPCS)	M. Saranya
22	1732029	Md. Nafisa	III BSC (MPCS)	Md. Nafisa
23.	1732042	K.V.V.N.K.S.D. Bhavani	III BSC (MPCS)	K. Bhavani
24.	1732050	P. Sandhya Durga	III BSC (MPCS)	P. Sandhya Durga
25	1732005	P. Savitri	III BSC (MPCS)	P. Savitri
26	1732001	A. Srimahalakshmi	III BSC (MPCS)	A. Srimahalakshmi
27	1732047	N. Pavithra	III BSC (MPCS)	N. Pavithra
28	1732056	T. Sitharatnam	III BSC (MPCS)	T. Sitharatnam

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS	SIGNATURE
29.	1732024	K. Kumari.	III Bsc (MPCs)	K. Kumari
30.	1732032	N. Annapurnamma	III Bsc (MPCs)	N. Annapurnamma
31.	1732051	P. Grace	III Bsc (MPCs)	P. Grace
32.	1732043	K. Sandhya	III Bsc (MPCs)	K. Sandhya
33.	1732058	Y. Prathibha	III Bsc (MPCs)	Y. Prathibha
34.	1732041	D. Harika	III Bsc (MPCs)	D. Harika
35.	1732045	M. Ramyasri	III Bsc (MPCs)	M. Ramyasri
36.	1732054	S. Sirisha	III Bsc (MPCs)	S. Sirisha
37.	1723003	ch. manika	III B.com (CA)	ch. manika
38	1723013	T. Sai Sandhya	III B.com (CA)	T. Sai Sandhya
39	1723025	T. Durga Bhavani	III B.com (CA)	T. Durga Bhavani
40	1723001	A. Lakshmi Syamala	III B.Com (CA)	A. Lakshmi Syamala
41	1723018	V. Rajeswari	III B.Com (CA)	V. Rajeswari
42	1723027	V. Syamala Kumari	III B.COM (CA)	V. Syamala Kumari
43	1723008	M. Mary Ratnam	III B.Com (CA)	M. Mary Ratnam
44	1723023	N. Papa	III B.Com (CA)	N. Papa
45	1723009	M. Lakshmi Sowjanathi	III B.com (CA)	M. Lakshmi Sowjanathi
46	1723010	M. Satya Sowja	III B.Com (CA)	M. Satya Sowja
47	1723021	M. Gowthami	III B.Com (CA)	M. Gowthami
48	1723029	Y. Thirumala Ramani	III B.Com (CA)	Y. Ramani
49	1723004	D. Karthika	III B.Com (CA)	D. Karthika
50.	1723005	E. Navya Ratna	III B.Com (CA)	E. Navya
51.	1723019	K. Nandeeswari	III B.Com (CA)	K. Nandini
52.	1723015	A. Madhavi	III B.COM (CA)	A. Madhavi
53.	1723014	Y. Durga Devi	III B.COM (CA)	Y. Durga Devi
54.	1723006	G. Gayathri devi	III B.Com (CA)	G. Gayathri
55	1723011	P. uma devi	III B.Com (CA)	P. uma devi

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

INVITATION

స్త్రీ విద్యాప్రవర్ధతాం

The Department of Computer Science wishes to arrange a Guest Lecture

on

27-02-2020 at 11.00 A.M. in Computer Lab-II

Subject: Web Technologies

Topic: Designing Dynamic Web Pages

By

Sri Manas Kumar Yogi
Assistant Professor
Pragati Engineering College
ADB Road ,Surampaem

N.N.S. Raju 27/2/2020

In-Charge of the Department

Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

A Guest Lecture is conducted for the Students of III B.Sc (M.P.Cs) and III B.Com (C.A.)

Name of the Guest : **Manas Kumar Yogi**
Assistant Professor
Pragati Engineering College
ADB Road ,Surampalem

TOPIC	VENUE	DATE	TIME	SIGNATURE OF THE GUEST
Designing Dynamic Web Pages	Computer Lab-II	27-02-2020	11 AM	

Signatures of the Lecturers Attended:

1. N.N.S. Swari
2. Sumantha

PRINCIPAL

REPORT ON THE GUEST LECTURE

Mr. Manas Kumar Yogi addressed the students of III B.Sc (MPCs) and III B.Com(CA) and narrated about what is adynamic web page and what are the different ways possible to create a dynamic webpage as follows:

Server-side dynamic web page

A **server-side dynamic web page** is a web page whose construction is controlled by an application server processing server-side scripts. In server-side scripting, parameters determine how the assembly of every new web page proceeds, including the setting up of more client-side processing.

Client-side dynamic web page

A **client-side dynamic web page** processes the web page using HTML scripting running in the browser as it loads. JavaScript and other scripting languages determine the way the HTML in the received page is parsed into the Document Object Model, or DOM, that represents the loaded web page. The same client-side techniques can then dynamically update or change the DOM in the same way. Even though a web page can be dynamic on the client-side, it can still be hosted on a static hosting service such as GitHub Pages or Amazon S3 as long as there isn't any server-side code included.

A dynamic web page is then reloaded by the user or by a computer program to change some variable content. The updating information could come from the server, or from changes made to that page's DOM. This may or may not truncate the browsing history or create a saved version to go back to, but a *dynamic web page update* using Ajax technologies will neither create a page to go back to, nor truncate the web browsing history forward of the displayed page. Using Ajax technologies the end user gets *one dynamic page* managed as a single page in the web browser while the actual web content rendered on that page can vary. The Ajax engine sits only on the browser requesting parts of its DOM, *the* DOM, for its client, from an application server.

Server-side scripting

A dynamic web page needs a support-server, an application server to process its server-side language.

A program running on a web server (server-side scripting) is used to generate the web content on various web pages, manage user sessions, and control workflow. Server responses may be determined by such conditions as data in a posted HTML form, parameters in the URL, the type of browser being used, the passage of time, or a database or server state.

Such web pages are often created with the help of server-side languages such as ASP, ColdFusion, Go, JavaScript, Perl, PHP, Ruby, Python, WebDNA and other languages, by a **support server** that can run on the same hardware as the web server. These server-side languages often use the Common Gateway Interface (CGI) to produce *dynamic web pages*. Two notable exceptions are ASP.NET, and JSP, which reuse CGI concepts in their APIs but actually dispatch all web requests into a shared virtual machine.

The server-side languages are used to embed tags or markers within the source file of the web page on the web server. When a user on a client computer requests that web page, the web server interprets

these tags or markers to perform actions on the server. For example, the server may be instructed to insert information from a database or information such as the current date.

Dynamic web pages are often cached when there are few or no changes expected and the page is anticipated to receive considerable amount of web traffic that would create slow load times for the server if it had to generate the pages on the fly for each request.

Client-side scripting

Client-side scripting is changing interface behaviors within a specific web page in response to mouse or keyboard actions, or at specified timing events. In this case, the dynamic behavior occurs within the presentation. The client-side content is generated on the user's local computer system.[4]

Such web pages use presentation technology called rich interfaced pages. Client-side scripting languages like JavaScript or ActionScript, used for Dynamic HTML (DHTML) and Flash technologies respectively, are frequently used to orchestrate media types (sound, animations, changing text, etc.) of the presentation. Client-side scripting also allows the use of remote scripting, a technique by which the DHTML page requests additional information from a server, using a hidden frame, XMLHttpRequests, or a Web service.

Example

The client-side content is generated on the client's computer. The web browser retrieves a page from the server, then processes the code embedded in the page (typically written in JavaScript) and displays the retrieved page's content to the user.

When to choose static web designing?

Gradually trend of static websites are decreasing, as a simple text change also involves web designer or developer involvement. You can choose it for simple one page website or websites mainly focused on design rather than functionality and seo.

When to choose dynamic web designing?

In dynamic web design anything is possible and you can achieve, what can be done by static method plus you get enormous opportunity to build web systems that can change as you business demands. Now a days there are various dynamic web building platform, which gives a strong foundation and development roadways to build it right. If you are planning to do anything beside simple good looking web pages, such as publishing you content or making changes to existing content without technical knowledge its best to go for dynamic web.

Basic components of dynamic websites

- Web Server - Get it from web hosting company
- Database - Along with hosting plan
- CMS - Like Wordpress, Drupal, Joomla, etc.

Web Server

A web server is computing system designed for exchanging information from server to browser or other client making http (the basic network protocol used to distribute information on the World Wide Web) request. Web server is consist of hardware computer, an operating system and various

supporting applications to process network protocal requests. Most commonly Apache is used are server application system on top of Linux or windows server operating system.

Database

Database are information house for any dynamic website, it is used to store data in different tables and extract it dynamically on demand. Database is designed to keep all relevant information and website content in different tables and with the help of database query language we can read, insert, or edit data very easily and efficiently. Most commonly MySql is used as database system as its free and widely tested and accepted. Even your favourite social network Facebook uses MySql to store and display data from all over the world.

CMS Content Management System

CMS Content Management System is set of software written in server side scripting language like php, dotnet, asp, java etc. Its primary task is to make connection between web server, database, and client's browser and make dynamic html pages on given request by pulling data from database and file system.With any standard hosting plan you get all these three components to build you awesome ynamic website.

Mr.Manas Kumar Yogi giving lecture on "Designing Dynamic Webpages"

N.N.S. Eswari
Signature of the HOD
I/C. HARGE
DEPT OF COMPUTER SCIENCE
ASDGOVT DEGREE COLLEGE (W) (AUTONOMOUS)
KAKINADA

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

స్త్రీ విద్యాప్రవర్ధతాం

GUEST LECTURE

2020-2021

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2020 - 2021

GUEST LECTURE

By

Smt. E.Jyothi Kiranmayi **M.Tech.,**
Lecturer in Computer Science,
S.V.D.Govt. Degree College(A), Nidadavole.

Date : 03-02-2021

Topic : **Exception Handling**

Organized by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

G.SATYA SUNEETHA, LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2019-2020

Date	03/02/2021
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Exception Handling**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**Smt. E.Jyothi Kiranmayi** **M.Tech.,** **Lecturer in Computer Science,** **S.V.D.Govt. Degree College(W), Nidadavole.**
No.of students participated	42
Brief Report on the activity	To enable the students to identify the significance of Exception Handling in Object Oriented Programming.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science G.Satya Suneetha, Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	N.N.S.Eswari INCHARGE DEPT OF COMPUTER SCIENCE A.S.D.GOVT.DEGREE COLLEGE (W)(AUTONOMOUS) KAKINADA
Signature of the Principal	H. Suvarchala PRINCIPAL A.S.D.GOVT.DEGREE COLLEGE (W) AUTONOMOUS KAKINADA
Remarks	

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A) KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

INVITATION

స్త్రీ విద్యా ప్రవర్ధతాం

The Department of Computer Science wishes to arrange A Guest Lecture
on
03-02-2021 at 11.00 A.M. through Online mode

Subject: Object Oriented Programming using Java

Topic: Exception Handling

By

Smt. E.Jyothi Kiranmayi M.Tech.,
Lecturer in Computer Science,
S.V.D.Govt. Degree College(W),
Nidadavole.

N.N.S. Eswari
INCHARGE
DEPT OF COMPUTER SCIENCE
A.S.D.GOVT.DEGREE COLLEGE(W)(AUTONOMOUS)
KAKINADA

H. Suvarchala
PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

In-Charge of the Department **Principal**

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : **Smt. E.Jyothi Kiranmayi** M.Tech.,
Lecturer in Computer Science,
S.V.D.Govt. Degree College(W), Nidadavole.

TOPIC : **Exception Handling**

DATE : **03-02-2021**

TIME : **11.00 AM**

VENUE : NB-3 through Online Mode using Zoom

N.N.S.Eswari
INCHARGE
DEPT OF COMPUTER SCIENCE
KAKINADA

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN(A), KAKINADA

DEPARTMENTS OF COMPUTER SCIENCE

GUEST LECTURE

TOPIC : Exception Handling

DATE: 03-02-2021 **VENUE: NB-3** **TIME: 11:00 AM**

S.No	Regd. No.	Name of the Students	Class	Signature
1.	1932001	B.Bhargavi	II BSc (MPCS)	B.Bhargavi
2.	1932002	K. Vimala Devi	II BSc (MPCS)	K. Vimala.
3.	1932003	K. Naga Prasanna	II BSc (MPCS)	K. Naga Prasanna
4.	1932004	MD. Reshma Begum	II BSc (MPCS)	MD Reshma Begum
5.	1932005	M. DivyaRoopa	II BSc (MPCS)	M. DivyaRoopa
6.	1932006	M. Vara lakshmi	II BSC (MPCS)	M.Varalakshmi
7.	1932007	R. Satyavani	II BSc (MPCS)	R. Satyavani
8.	1932008	A. Pratyusha	II BSC (MPCS)	A. Pratyusha
9.	1932009	A. Sireesha	II BSc (MPCS)	A. Sireesha
10.	1932010	A. Gayatri	II BSC (MPCS)	A. Gayatri
11.	1932011	B. Komali manikanta	II BSC [MPCS]	B.K.manikanta
12.	1932012	Ch. Durga Ramya	II BSC (MPCS)	ch. D. Ramya.
13.	1932013	D. Mounika	II B.SC (MPCS)	D. Mounika
14.	1932014	G. Praneetha	II B.SC (MPCS)	G. Praneetha
15.	1932015.	G. surekha.	II BSC [MPCS]	G. surekha.
16.	1932016	G. Lakshmi Deepika	II Bsc (MPCS)	G.L. Deepika
17.	1932017	J. I. Mahalakshmi	II BSC [MPCS]	J Mahalakshmi
18.	1932018	K sravani mahalaxmi	II B.SC (MPCS)	K. Sravani
19.	1932019	K. Bhavani	II B.SC (MPCS)	K. Bhavani
20.	1932020	K. Divya Darshini	II BSC (MPCS)	K. Divya

S.No	Regd. No.	Name of the Students	Class	Signature
21.	1932021	K. Veena Pavani	II BSC-MPCS	K. Veena Pavani
22.	1932022	K. Baladeepika	II BSC [MPCS]	K. Baladeepika
23.	1932023	K. Ramya	II-BSC-MPCS	K. Ramya
24.	1932024	O. Kaveri	II-BSC-MPCS	O. Kaveri
25.	1932025	O. Lavanya	II-BSC-MPCS	O. Lavanya
26.	1932026	P. Navya	II BSC-MPCS	P. Navya
27.	1932027	P. Tejaswini	II BSC-MPCS	P. Tejaswini
28.	1932028	S. Divya	II BSC-MPCS	S. Divya
29.	1932029	S. Niharika	II BSC-MPCS	S. Niharika
30.	1932030	T. Sireesha	II. BSC-MPCS	T. Sireesha
31.	1923001	Srujanaanjali	II. B.com-CA	Srujana
32.	1923002	R. Ramya	II B.com CA	R. Ramya
33.	1923003	K. Parimala	II. B.com CA	K. Parimala
34.	1923004	B. Durga Bhaveni	II. B.com - C.A	B. Durga Bhaveni
35.	1923005	G. Aranha Lakshmi	II. B.Com - C.A	G. Aranha Lakshmi
36.	1923006	G. Aparna	II. B.COM - C.A	G. Aparna
37.	1923007	Malleswari	II B.COM - C.A	Malleswari
38.	1923008	K. Bharathi	II. B.com - CA	K. Bharathi
39.	1923009	M. Laya Nupisha	II. B.com - CA	M. Laya
40.	1923010	P. Srinavvika	II. B.COM - C.A	P. Srinavvika
41.	1923011	P. Devi Mounika	II. B.com - C.A	P. D. Mounika
42.	1923012	B. Nookaratnam	II B. (com) - CA	B. Nookaratnam
43.	1923013	B. Sumathi	II. B.Com - C.A	B. Sumathi
44.	1923014	B. Jashma Durga	II. B.com - C.A	B. Jashma
45.	1923015	Ch. Lakshmi Sowjanya	II. B.Com - CA	Ch. L. Sowjanya
46.	1923016	D. Supritha Devi	II. B. com - CA	D. Supritha
47.	1923017	J Sasi Lekha	II B.Com C.A	J. Sasi Lekha
48.	1923018	J. Narmada	II. B.Com. CA	J. Narmada
49.	1923023	N. Ramatulasi	II. B.com C.A	N. R. Tulasi
50.	1923020	K. Tanuja	II. B.COM C.A	K. Tanuja

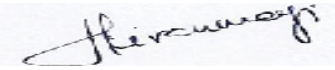
A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)
KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

A Guest Lecture is conducted for the Students of II B.Sc (M.P.Cs) and II B.Com (C.A.)

Name of the Guest **:** **Smt. E.Jyothi Kiranmayi** **M.Tech.,**
Lecturer in Computer Science,
S.V.D.Govt. Degree College(W),
Nidadavole.

TOPIC	VENUE	DATE	TIME	SIGNATURE OF THE GUEST
Exception Handling	NB-3 (Online Mode)	03-02-2021	11 AM	

Signatures of the Lecturers Attended:

1. 
2. 

Signature of the Principal


Commissionerate of Collegiate Education
Government of Andhra Pradesh

GOVERNMENT OF ANDHRA PRADESH

COMMISSIONERATE OF COLLEGIATE EDUCATION

EXCEPTION HANDLING

OBJECT ORIENTED PROGRAMMING USING JAVA

COMPUTER SCIENCE / APPLICATIONS

E. Jyothi Kiranmayi M.Tech

S.V.D Govt. Degree College (W),
Nidadavole
Email. Id : jkiranmayi1@gmail.com

Exception Handling

Learning Objectives

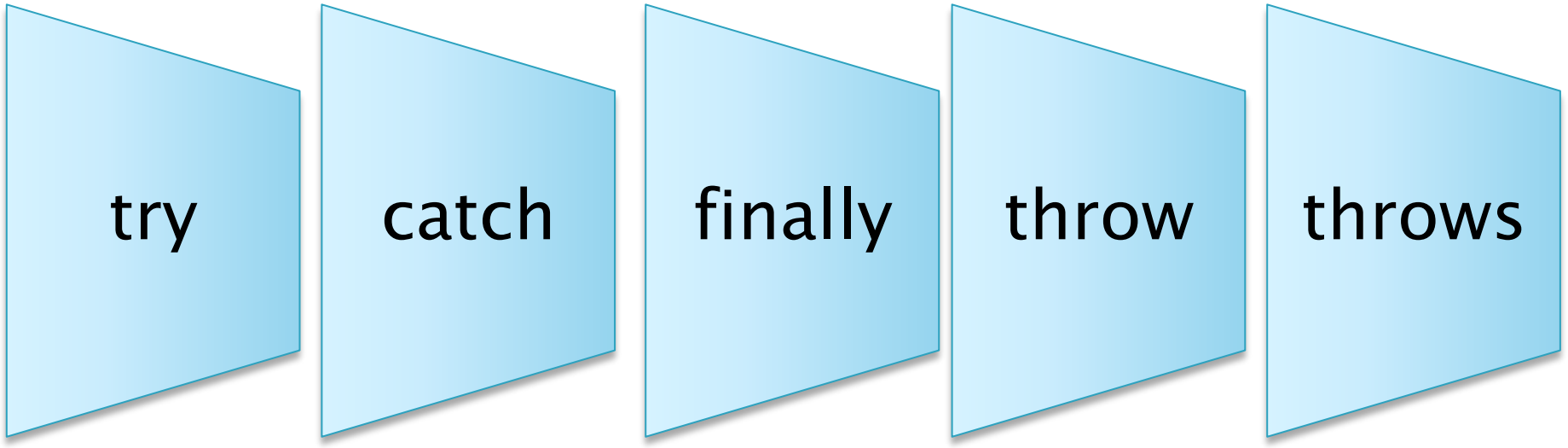
- Exception
- Keywords used in Exception Handling
- Try / catch block
- Finally
- Throw keyword
- Throws keyword

Exceptions

- An exception is a run time error that interrupts the normal flow of a program
- Exception is an unusual behavior/event of a program that occurs during the execution of a program
- Whenever exception occurs Java run time system creates an exception object and throws it to the method that causes exception
- The thrown exception object must be caught and handled properly otherwise Java interpreter will display an error message and terminates the program

Exception Handling Mechanism

- Java's Exception handling mechanism uses five keywords to detect and handle exceptions



Syntax for Simple try/catch Block

```
try {
        //Statement(s) that might cause exception
      }

catch ( Exceptiontype object) {
          // Statement(s) that handle exceptions
      }

finally {
          // Statements to be executed
       }
```

Try block

Catch block

Finally block
(optional)

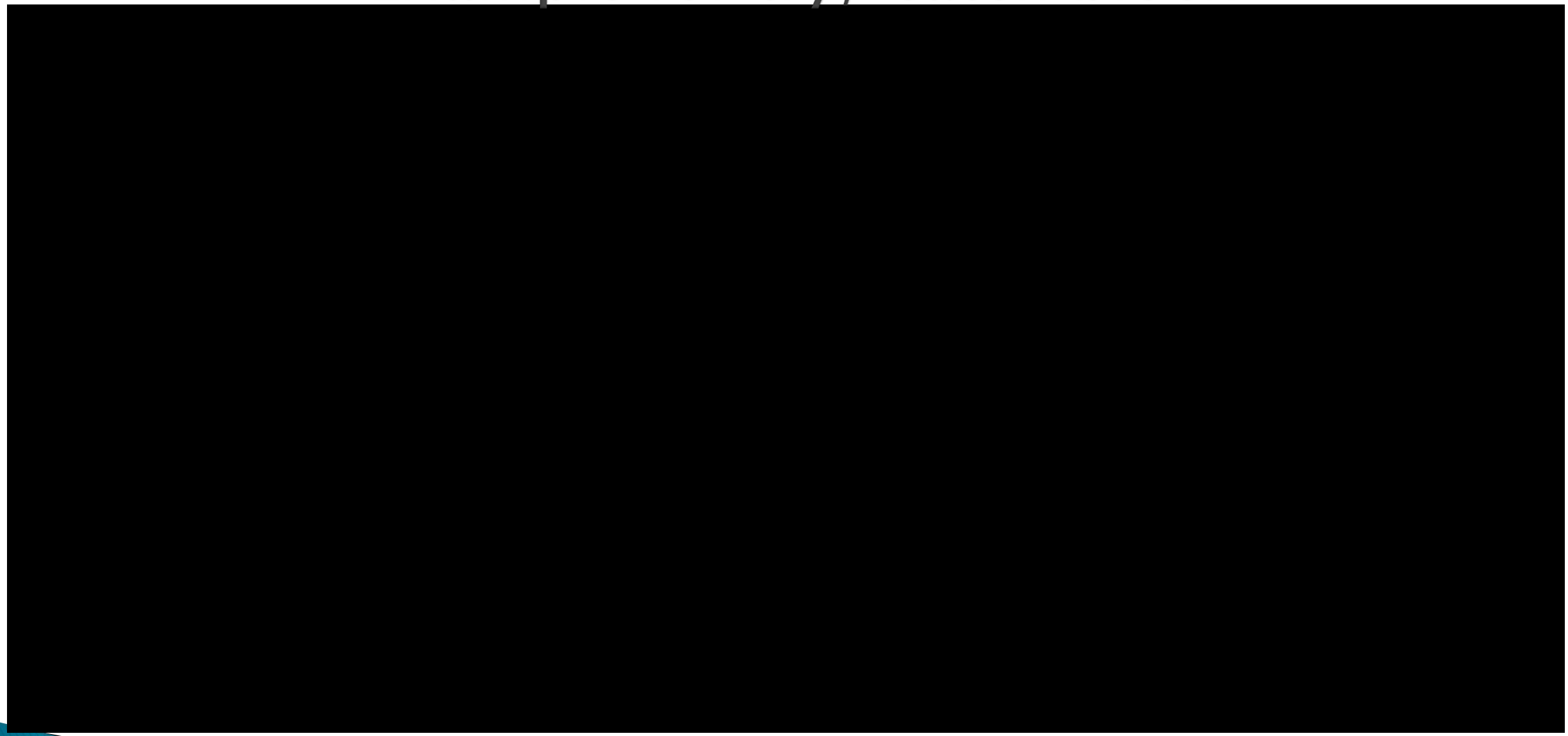
try/catch Blocks

- try block contains the statements that are expected to raise an exception
- catch block contains the statements that handle the exceptions
- catch block always follow try block i.e. catch block doesn’t exist if there is no try block
- try block exist even if there is no catch block

finally Block

- The statements in finally block will get executed only after the execution of try/catch block and before the code that follows try/catch block
- finally block must be associated with try block i.e. finally block cannot be exist without try block
- Finally block executes irrespective of whether exception has occurred or not
- Finally block is used for clean up activities like closing files, closing connections etc.

Example for try/ catch block



throw Keyword

- throw keyword is used to throw an exception explicitly

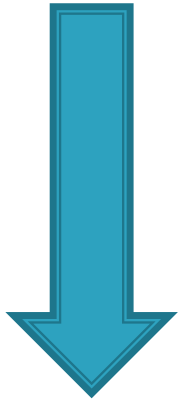
- The general form of throw is

throw *ThrowableInstance*

where, *ThrowableInstance* must be an object of type Throwable or a subclass of Throwable

Example for throw keyword

```
class ThrowDemo  {
        static void testProc() {
                try {
                   throw new NullPointerException("Demo");
                } catch(NullPointerException e) {
            System.out.println("Exception caught inside tesproc");
                  throw e;
                }
        }
public static void main(String args[]) {
        try {
         testProc();
        } catch(NullPointerException e) {
          System.out.println(" Recaught in main: " +e);
        }
    }
  }
```



Output

```
Exception caught inside tesproc
 Recaught in main: java.lang.NullPointerException: Demo
```

throws Keyword

- throws keyword is used to list the exceptions that might thrown by a method

- General form

```
Type method_name(parameter_list) throws exception_list
{
    // body of method
}
```

where exception_list is a comma-separated list of exceptions that a method might throw

Example

```
public void myMethod {
        try {
              //statements that might cause exceptions
           }
         catch(ArithmeticException e) {
              // Exception handling statements
          }
         catch(ArrayIndexOutofBoundsException e) {
           // Exception handling statements
         }
}
```

Example for throws

```
public void myMethod throws ArithmeticException, ArrayIndexOutofBoundsException {
        // statements that might cause exceptions
}
public static void main(String args[]) {
        try {
            myMethod();
           } catch(ArithmeticException e){
                        // Exception handling statements
         } catch(ArrayIndexOutofBoundsException e){
                        // Exception handling statements
         }
}
```

summary

- Java’s exception handling mechanism uses five keywords to handle the exceptions : try, catch, finally, throw, throws
- try block contains the statements that causes exceptions
- catch block contains the statements that handle the exceptions
- finally block is an optional block that follows try /catch block , used to perform clean up activities
- throw is used to throw exceptions explicitly
- throws is used to list the exceptions thrown by the method

References

Text Books

- Herbert Schildt, Java : The Complete Reference, 7th Edition, TMH, 2006
- E. Balaguru Swamy, Programming with Java, A Primer, 3e, Tata McGraw Hill

Web Links

- https://nptel.ac.in/courses/106/105/106105191/ - Lectures 23 -25

Thank you

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

స్త్రీ విద్యాప్రవర్ధతాం

GUEST LECTURE

2021-2022

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2021- 22

GUEST LECTURE

By

P.Jyothi M.Tech.
Lecturer in Computer Applications,
Govt. Degree College, Pathapatnam.

Date : 26-10-2021

Topic : **Relational Data Model**

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

G.SATYA SUNEETHA, LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2021-2022

Date	26/10/2021
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Relational Data Model**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**P. Jyothi** Lecturer in Computer Applications, Govt. Degree College,Pathapatnam.
No.of students participated	60
Brief Report on the activity	To enable the students to manage data using relational model.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science G.Satya Suneetha, Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	N. N. S. Eswari
Signature of the Principal	
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year. The College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : **P. Jyothi** **M.Tech**
Lecturer in Computer Applications,
Govt. Degree College,Pathapatnam.

TOPIC : **Relational Data Model**

DATE : 26-10-2021

VENUE : **RB**-IV

N. N. S. Eswari

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A) KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

INVITATION

స్త్రీ విద్యా ప్రవర్ధతాం

The Department of Computer Science wishes to arrange A Guest Lecture
on
26-10-2021 at 3.00 P.M. in RB-4

Subject: Database Management System

Topic: Relational Data Model

By

Ms.P.Jyothi **M.Tech.**
Lecturer in Computer Applications,
Govt. Degree College,Pathapatnam.

N. N. S. Eswari

In-Charge of the Department

V. [illegible]

Principal

REPORT ON THE ACTIVITY

Ms P.Jyothi, Lecturer in Computer Applications, Government Degree College Pathapatnam, has delivered a Guest Lecture on "Relational Model" in online mode through Google Meet to the students of III B.Sc. (M.P.Cs) and III B.Com. (C.A) on 26-10-2021 from 3P.M to 4.45P.M. Students attended the Guest Lecture through Virtual Classroom in RB-4.She expressed her views on the following topics

Relational Model: Relational Model represents the database as a collection of relations. A relation is nothing but a table of values. Every row in the table represents a collection of related data values. These rows in the table denote a real-world entity or relationship. The table name and column names are helpful to interpret the meaning of values in each row. The data are represented as a set of relations. In the relational model, data are stored as tables. However, the physical storage of the data is independent of the way the data are logically organized.

Tuple − A single row of a table, which contains a single record for that relation is called a tuple.

Relation instance − A finite set of tuples in the relational database system represents relation instance. Relation instances do not have duplicate tuples.

Relation schema − A relation schema describes the relation name (table name), attributes, and their names.

Relation key − Each row has one or more attributes, known as relation key, which can identify the row in the relation (table) uniquely.

Attribute domain − Every attribute has some pre-defined value scope, known as attribute domain.

Constraints: Every relation has some conditions that must hold for it to be a valid relation. These conditions are called Relational Integrity Constraints. There are three main integrity constraints −

- Key constraints
- Domain constraints
- Referential integrity constraints

Key Constraints: There must be at least one minimal subset of attributes in the relation, which can identify a tuple uniquely. This minimal subset of attributes is called key for that relation. If there are more than one such minimal subsets, these are called candidate keys.

Domain Constraints: Attributes have specific values in real-world scenario. For example, age can only be a positive integer. The same constraints have been tried to employ on the attributes of a relation. Every attribute is bound to have a specific range of values. For example, age cannot be less than zero and telephone numbers cannot contain a digit outside 0-9.

Referential integrity Constraints: Referential integrity constraints work on the concept of Foreign Keys. A foreign key is a key attribute of a relation that can be referred in other relation. Referential integrity constraint states that if a relation refers to a key attribute of a different or same relation, then that key element must exist.

Data Definition Language (DDL)

DDL changes the structure of the table like creating a table, deleting a table, altering a table, etc., All the commands of DDL are auto-committed that means it permanently saves all the changes in the database. Here are some commands that come under DDL

- CREATE
- ALTER
- DROP
- TRUNCATE

CREATE is used to create a new table in the database. DROP command is used to delete both the structure and record stored in the table. ALTER Command is used to alter the structure of the database. This change could be either to modify the characteristics of an existing attribute or probably to add a new attribute. TRUNCATE command is used to delete all the rows from the table and free the space containing the table.

Data Manipulation Language(DML)

DML commands are used to modify the database. It is responsible for all form of changes in the database.

The command of DML is not auto-committed that means it can't permanently save all the changes in the database. They can be rollback. Here are some commands that come under DML

- INSERT
- UPDATE
- DELETE

The INSERT statement is used to insert data into the row of a table. UPDATE command is used to update or modify the value of a column in the table. DELETE command is used to remove one or more row from a table.

Data Control Language (DCL)

Data Control Language (or DCL) consists of statements that control security and concurrent access to table data.

COMMIT: Instructs the XDB Server to make permanent all data changes resulting from DML statements executed by a transaction.

CONNECT : Connects the application process (or user) to a designated XDB Server or DB2 location. This location becomes the current location for the application process or user.

GRANT (Database Privileges): Assigns access privileges to XDB Server users or applications.

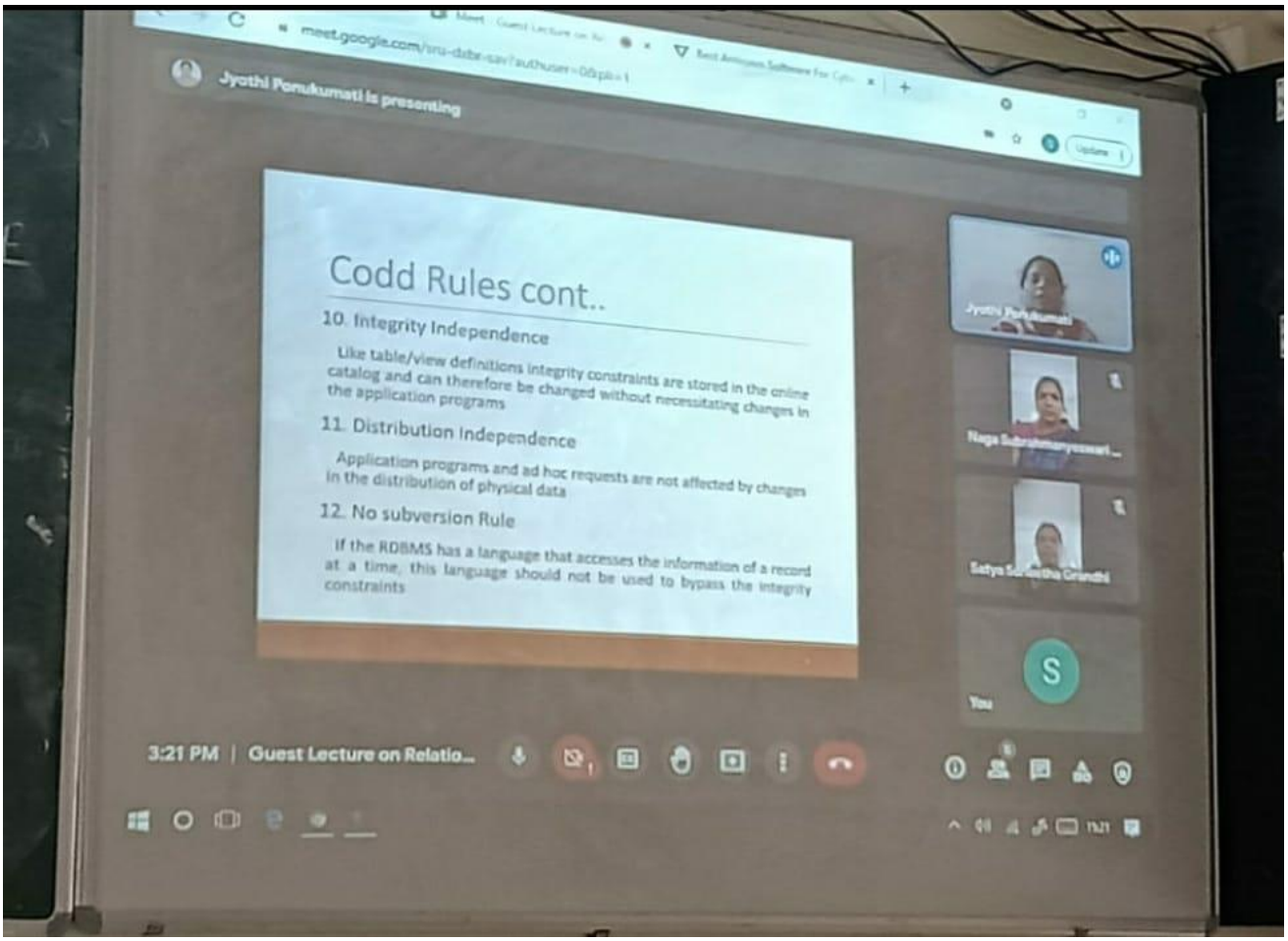
GRANT (Sequence Privileges): Grants privileges on a user-defined sequence.

LOCK TABLE: Extends XDB Server's automatic record and table level locking functions (in a multi-user system) by acquiring explicit locks on a particular table.

REVOKE (Database Privileges): Cancels access privileges for XDB Server users or applications.

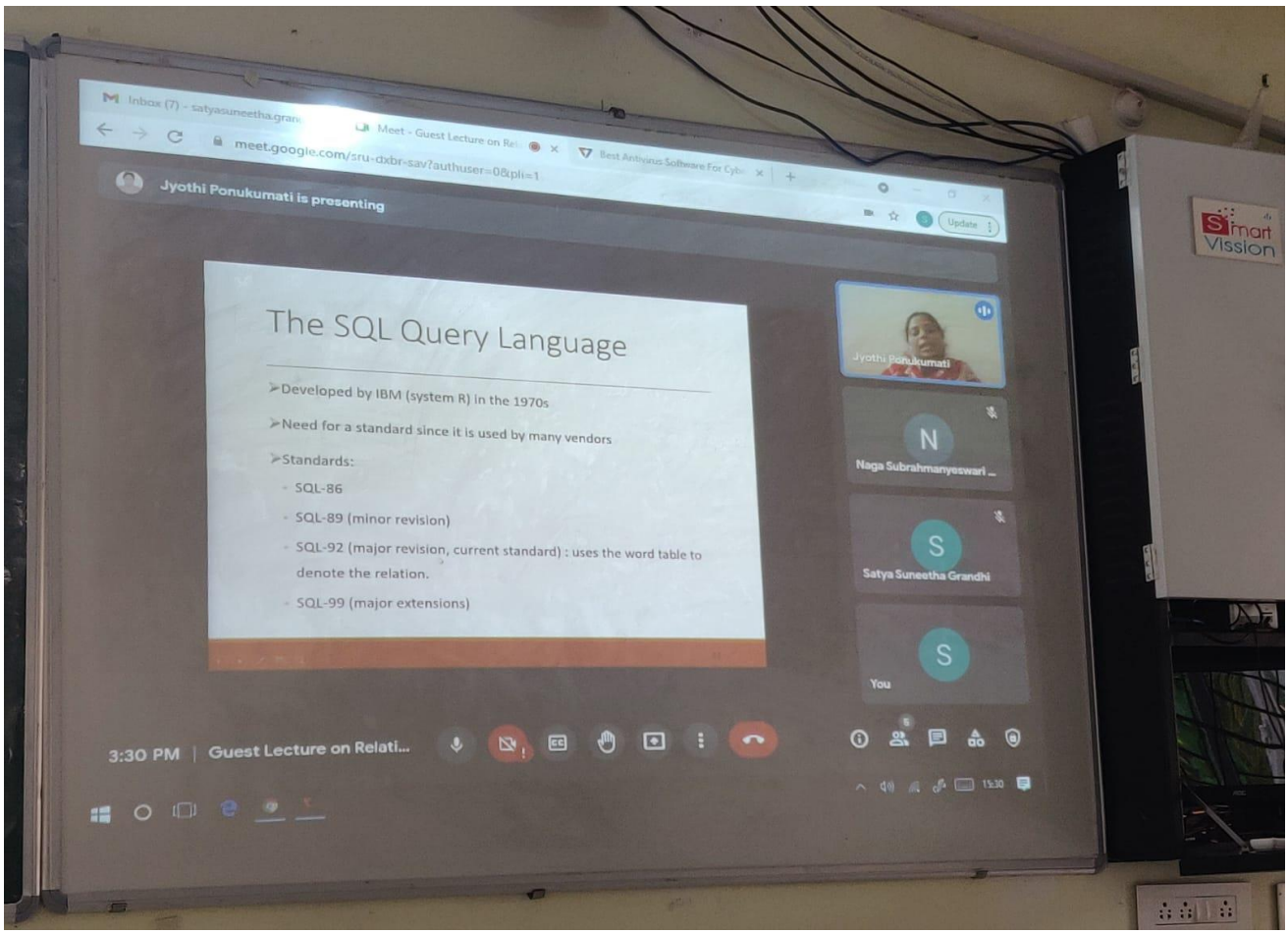
REVOKE (Sequence Privileges): Revokes the privileges on a user-defined sequence.

ROLLBACK : Instructs the XDB Server to reverse the effect of any DML commands executed on a database by a transaction. Information recorded in a *backward log* is used to restore the database to a state existing before the transaction.

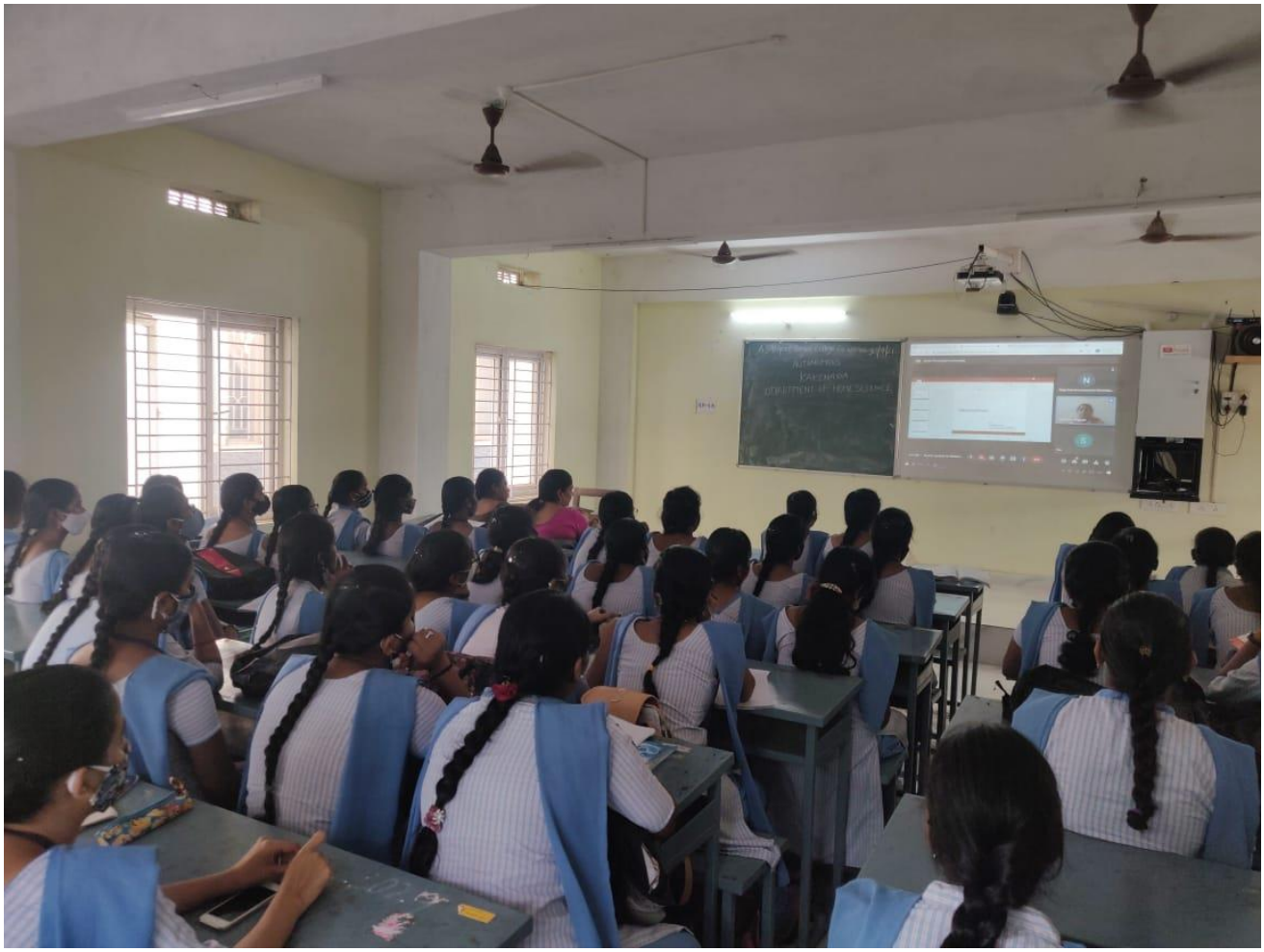


Resource Person **Smt**. **P.Jyothi** explaining CODD's Rules Virtually through Google Meet

Students attended the Guest Lecture on “Relational Model” in RB-4



Resource Person **Smt**. **P.Jyothi** explaining SQL Query Language Virtually through Google Meet



Students enthusiastically listening to the Guest Lecture

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)
(Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

శ్రీ విద్యాప్రవర్ధతాం

GUEST LECTURE

2022-2023

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2022- 23

GUEST LECTURE

By

Dr.K.Devi Priya
Professor,Department of CSE ,
Lakkireddy BaliReddy College of Engineering,
Mylavaram.

Date : 2-12-2022

Topic : **Machine Learning Applications**

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

G.SATYA SUNEETHA, LECTURER IN COMPUTER APPLICATIONS

K.SURYA LAKSHMI,GUEST LECTURER IN COMPUTER SCIENCE

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2022-2023

Date	2/12/2022
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Machine Learning Applications**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**Dr.K.Devi Priya** Profesoor,Department of CSE , Lakkireddy BaliReddy College of Engineering, Mylavaram.
No.of students participated	60
Brief Report on the activity	To enable the students to learn machine learning applications.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science G.Satya Suneetha, Lecturer in Computer Applications K.Surya Lakshmi, Guest Lecturer in Computer Science
Signature of the Dept.In-Charge/ Convener of the Committee	N. N. S. Eswari
Signature of the Principal	V. Ad — D
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year. The College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : **Dr.K.Devi Priya**
Professor,Department of CSE ,
Lakkireddy BaliReddy College of Engineering,
Mylavaram.

TOPIC : **Machine Learning Applications**

DATE : 2-12-2022

VENUE : **RB**-IV

N. N. S. Eswari

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN(A), KAKINADA

DEPARTMENTS OF COMPUTER SCIENCE

GUEST LECTURE

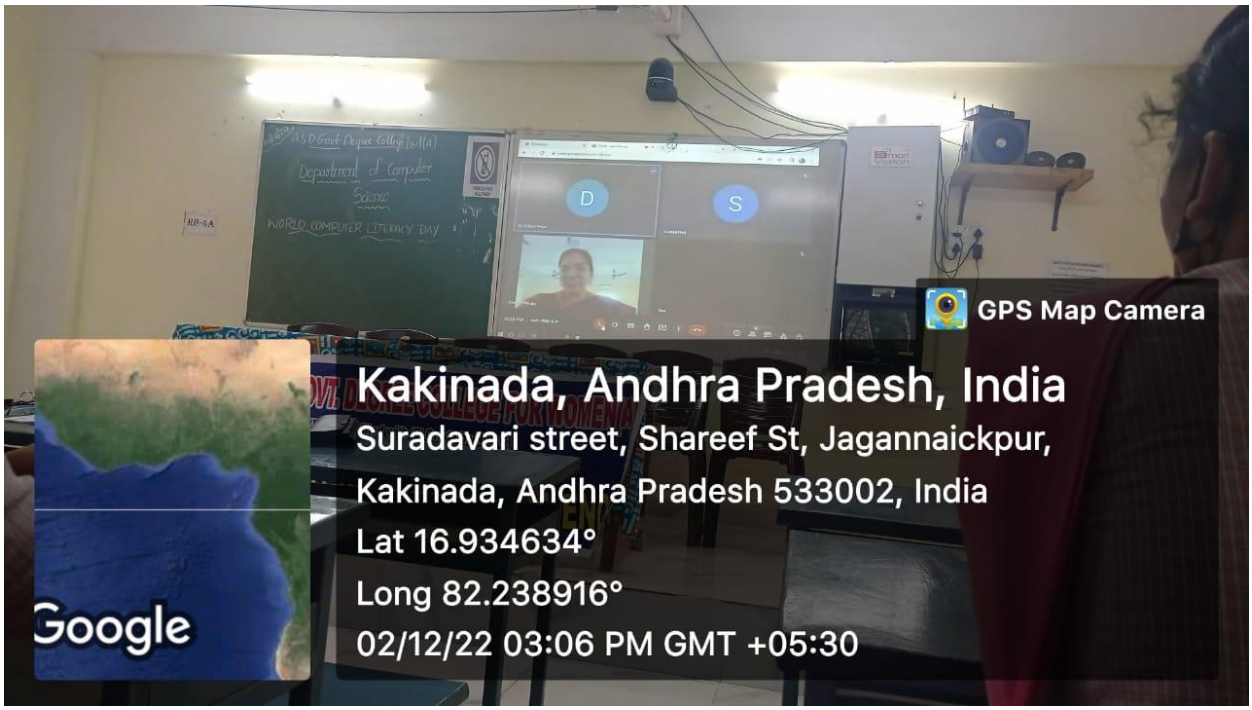
TOPIC: Machine Learning Applications

DATE: 2-12-2022 **VENUE: RB-IV** **TIME: 3:00 PM**

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS
1.	2132001	AMALAKANTHI MADHUREE SANTHOSHI	II BSC (MPCS)
2.	2132002	DARAPU JAYA SRI	II BSC (MPCS)
3.	2132003	KANTIMUCHU HARIKA	II BSC (MPCS)
4.	2132004	MOSA SOWJANYA	II BSC (MPCS)
5.	2132005	ALLU SRI DURGA	II BSC (MPCS)
6.	2132006	ANUSURI AKSHAYA	II BSC (MPCS)
7.	2132007	BOLISETTI SEERISHA	II BSC (MPCS)
8.	2132008	BOTTA SAHITHI	II BSC (MPCS)
9.	2132009	CHAGANTI RUKMINI SRI	II BSC (MPCS)
10.	2132010	CHAVAKULA CHANDRIKA ANUSHA	II BSC (MPCS)
11.	2132011	CHODISETTI VISHNU SRI	II BSC (MPCS)
12.	2132013	GEDDADA SRAVANI	II BSC (MPCS)
13.	2132014	GUDA SHARON GRACE	II BSC (MPCS)
14.	2132015	KARRI KAVYA	II BSC (MPCS)
15.	2132016	KARRI LAKSHMI LAVANYA	II BSC (MPCS)
16.	2132017	KARRI RAMA TULASI	II BSC (MPCS)
17.	2132018	KARRI SATYA SOWJANYA	II BSC (MPCS)
18.	2132019	KONUKU JAYA SRI	II BSC (MPCS)
19.	2132020	LANKA PADMAVATHI	II BSC (MPCS)
20.	2132021	PADALA KAVYASRISATYA	II BSC (MPCS)
21.	2132022	PALEPU DHANAJAYA	II BSC (MPCS)
22.	2132023	PETTA NIKITHA	II BSC (MPCS)
23.	2132024	POTHUBATHULA PARVATHI	II BSC (MPCS)
24.	2132025	PYLA SYAMALA	II BSC (MPCS)
25.	2132026	RAYUDU JYOTHI	II BSC (MPCS)
26.	2132027	SALADI KUMARI SRI GANGA	II BSC (MPCS)
27.	2132028	SAPPA DEEPIKA	II BSC (MPCS)
28.	2132029	SEERAM SURYA PRASANNA	II BSC (MPCS)
29.	2132030	SHALA BHARATHI DEVI	II BSC (MPCS)
30.	2132031	SRIPADAM LAVANYA	II BSC (MPCS)

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS
31.	2132032	TEKUMUDI SUNITHA	II BSC (MPCS)
32.	2132033	TIRIDI SARITHA	II BSC (MPCS)
33.	2132034	VAIDADI ARUNA	II BSC (MPCS)
34.	2132035	VELUGUBANTLA NANDINI	II BSC (MPCS)
35.	2132037	ANUSURI DEVI	II BSC (MPCS)
36.	2132038	CHINTHA SURYA BHAVANI	II BSC (MPCS)
37.	2132039	CHOWDALLA SRI LAKSHMI	II BSC (MPCS)
38.	2132040	DONGADA SINGARALAKSHMI	II BSC (MPCS)
39.	2132041	DUMMU SANTHI KUMARI	II BSC (MPCS)
40.	2132042	GODUGU ANUHYA	II BSC (MPCS)
41.	2132043	JATHULA DIVYA NAGA LAKSHMI	II BSC (MPCS)
42.	2132045	KADUPU APARNA	II BSC (MPCS)
43.	2132047	MALLARAPU SAILU	II BSC (MPCS)
44.	2132048	MANDAPALLI MADHURI LATHA	II BSC (MPCS)
45.	2132049	NALLALA NAGA DURGA	II BSC (MPCS)
46.	2132050	PALIVELA SAILAJA	II BSC (MPCS)
47.	2132051	PALLA SANTHI	II BSC (MPCS)
48.	2132052	PANCHADA LAKSHMI KANTHA	II BSC (MPCS)
49.	2132053	PARUPALLI KUSUMASRI	II BSC (MPCS)
50.	2132054	PATTEM VARA LAKSHMI	II BSC (MPCS)
51.	2132055	PERLA INDU	II BSC (MPCS)
52.	2132056	POSUPOYINA DIVYA	II BSC (MPCS)
53.	2132057	PRATHIPATI LAKSHMI SOWJANYA	II BSC (MPCS)
54.	2132058	PULUGU PREMA JYOTHI	II BSC (MPCS)
55.	2132059	REKADI MANI	II BSC (MPCS)
56.	2132060	SETTI ASHA DEVI	II BSC (MPCS)

Resource Person **Dr.K.Devi Priya** explaining Machine Learning Applications Virtually through Google Meet



Students attended the Guest Lecture on “Machine Learning Applications” in RB-4

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)

(Affiliated to Adikavi Nannaya University)

Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

2023-2024

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2023- 2024

GUEST LECTURE

By

Mrs.T.Sudharani, M.Tech.
Associate Professor, Department of CSE,
Aditya Engineering College,
Surampalem.

Date : 06-04-2024

Topic : Machine Learning Algorithms

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

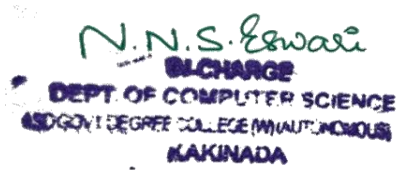
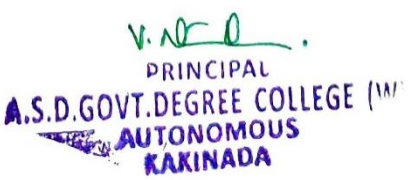
K.SURYA LAKSHMI,GUEST GUEST LECTURER IN COMPUTER SCIENCE

P.SVD BALLABAMBA, GUEST LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2023-2024

Date	6/04/2024
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Machine Learning Algorithms**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**Mrs.T.Sudharani** Associate Professor, Department of CSE , Aditya Engineering College, Surampalem
No.of students participated	60
Brief Report on the activity	To enable the students to learn machine learning algorithms.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science K.Surya Lakshmi, Guest Lecturer in Computer Science P.SVD Ballabamba, Guest Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	
Signature of the Principal	
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year. The College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

PERMISSION LETTER

Kakinada,
Date: 03-04-2024.

To,
Dr. V.Anantha Lakshmi,
Principal,
A.S.D. Govt. Degree College for Women (A),
Kakinada.

From,
N.Naga Subrahmanyeswari,
Incharge - Department of Computer Science & Computer Applications,
A.S.D. Govt. Degree College for Women (A),
Kakinada.

Sub: Request to organize Guest Lecture on "Machine Learning Algorithms" for II B.SC.(MPCS&MSCS) and II B.Com.(CA) on 06-04-2024 -Reg.

Respected Madam,

The Department of Computer Science wishes to organize an Guest Lecture on "Machine Learning Algorithms" for II B.SC.(MPCS&MSCS) and II B.Com.(CA) on 06-04-2024, and the Resource Person is Mrs.T.Sudharani, Associate Professor, Department of CSE, Aditya Engineering College Surampalem. This activity shall enhance the knowledge of the Machine Learning Algorithms. Kindly do the needful.

Thanking you, Madam.

Yours faithfully,

N.N.S. Eswari
INCHARGE
DEPT. OF COMPUTER SCIENCE
ASD GOVT DEGREE COLLEGE (W)(AUTONOMOUS)
KAKINADA

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)

Affiliated to Adikavi Nannaya University

Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

CIRCULAR

Date: 03-04-2024

The Department of computer Science wishes to organize a Guest Lecture on "Machine Learning Algorithms" on 06-04-2024 in Seminar Hall for II B.SC.(MPCS&MSCS) and II B.Com.(CA) students to acquire basic knowledge about Machine Learning Algorithms and enhance their skills.

N.N.S. Eswari
IN-CHARGE
DEPT. OF COMPUTER SCIENCE
A.S.D.GOVT. DEGREE COLLEGE (W) (AUTONOMOUS)
KAKINADA

In-Charge of the Department

PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

Principal

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : **Mrs.T.Sudharani**
Associate Professor,Department of CSE ,
Aditya Engineering College,
Surampalem.

TOPIC : **Machine Learning Algorithms**

DATE : 6-04-2024

VENUE : **Seminar Hall**

N.N.S.Eswari
INCHARGE
DEPT OF COMPUTER SCIENCE
ASDGOVT DEGREE COLLEGE (W) AUTONOMOUS
KAKINADA

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A) KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

INVITATION

The Department of Computer Science wishes to arrange A Guest Lecture
on
06-04-2024 at 11.00 A.M. in Seminar Hall

Subject: Machine Learning

Topic: Machine Learning Algorithms

BY

Mrs.T.Sudharani, M.Tech.
Associate Professor in Department of CSE,
Aditya Engineering College,
Surampalem

N.N.S. Eswari
INCHARGE
DEPT OF COMPUTER SCIENCE
ASDGOVT DEGREE COLLEGE(WAUTONOMOUS)
KAKINADA

In-Charge of the Department

PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

A Guest Lecture is conducted for the Students of II B.Sc.(M.P.C S & M.S.C S) II B.Com.(C.A.)

Name of the Guest **:** **Mrs.T.Sudharani** **M.Tech.**
Associate Professor,
Department of CSE,
Aditya Engineering College,
Surampalem.

TOPIC	VENUE	DATE	TIME	MODE OF DELIVERY
Machine Learning Algorithms	Seminar Hall	06-04-2024	11:00 AM TO 1:00 PM	Offline

Signatures of the Lecturers Attended:

1. N.N.S. Eswari
2. K.S. Lakshmi
3.

PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

Signature of the Principal

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN(A), KAKINADA

DEPARTMENTS OF COMPUTER SCIENCE

GUEST LECTURE

TOPIC: Machine Learning Algorithms

DATE: 6-04-2024 **VENUE: Seminar Hall** **TIME: 11:00AM to 1:00PM**

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS
1.	2241001	Jagadam Thanusri	II B.Sc(M.P.CS)
2.	2241002	Sape Naga Divya Jyothika	II B.Sc(M.P.CS)
3.	2241003	Seru Chinnari	II B.Sc(M.P.CS)
4.	2241004	Sirikolu Asha Jyothi	II B.Sc(M.P.CS)
5.	2241005	Doma Veeraveni	II B.Sc(M.P.CS)
6.	2241006	Kamireddy Sowmya Sri	II B.Sc(M.P.CS)
7.	2241007	Peddireddi Lakshmi Lalitha	II B.Sc(M.P.CS)
8.	2241008	Mattaparthi Ammulu	II B.Sc(M.P.CS)
9.	2241009	Palepu Mahalakshmi	II B.Sc(M.P.CS)
10.	2232001	Besetty Sri Ramya Priya	II B.Sc(M..S.CS)
11.	2232002	Bonam Bhavy Vijaya	II B.Sc(M.P.CS)
12.	2232003	Chennu Devi	II B.Sc(M.P.CS)
13.	2232005	Koppadi Kasthuri Mahalakshmi	II B.Sc(M.P.CS)
14.	2232006	Sangadi Ganga Mahalakshmi	II B.Sc(M.P.CS)
15.	2232007	Allu Durga Devi	II B.Sc(M.P.CS)
16.	2232009	Malladi Jnana Sri Vennela	II B.Sc(M.P.CS)
17.	2232011	Nathi Hemanthi Durga	II B.Sc(M.P.CS)
18.	2232012	Panthagada Anusha	II B.Sc(M.P.CS)
19.	2232016	BANDI GAYATHRI DEVI	II B.Sc(M.P.CS)
20.	2232017	Bangari Lalitha	II B.Sc(M.P.CS)
21.	2232018	Challapalli Pusha Bhavani	II B.Sc(M.P.CS)
22.	2232020	Chollangi Beby Sireesha	II B.Sc(M.P.CS)
23.	2232021	Chollangi Bhuvaneswari	II B.Sc(M.P.CS)
24.	2232023	Duli Divya Kumari	II B.Sc(M.P.CS)
25.	2232024	Duvvi Sai Veni	II B.Sc(M.P.CS)
26.	2232025	Geddam Kavya	II B.Sc(M.P.CS)
27.	2232026	Geddam Prasanna Kumari	II B.Sc(M.P.CS)
28.	2232027	Gummala Vijaya Lakshmi	II B.Sc(M.P.CS)
29.	2232028	Kondaalli Yasmitha Sneha Prabha	II B.Sc(M.P.CS)
30.	2232029	Kunche Sri Lakshmi	II B.Sc(M.P.CS)

S.NO.	REGD.NO.	NAME OF THE STUDENT	CLASS
31.	2232030	Kusireddy Aparna	II B.Sc(M.P.CS)
32.	2232031	Lanke Naga Lakshmi	II B.Sc(M.P.CS)
33.	2232032	Madi Ramya	II B.Sc(M.P.CS)
34.	2232033	Mallaadi Veeraveni	II B.Sc(M.P.CS)
35.	2232034	Pedasingu Veera Venkata Lakshmi	II B.Sc(M.P.CS)
36.	2232035	Penke Bala Veera Ganga Sindhu	II B.Sc(M.P.CS)
37.	2232036	Pikki Durga Bhavani	II B.Sc(M.P.CS)
38.	2223001	Medisetti Charishma	II B.Com(C.A.)
39.	2223002	Noor Asma	II B.Com(C.A.)
40.	2223003	Patta Kalyani	II B.Com(C.A.)
41.	2223004	Ramadi Padma	II B.Com(C.A.)
42.	2223006	Rayi Vimala	II B.Com(C.A.)
43.	2223007	Sigatapula Divya Chandini	II B.Com(C.A.)
44.	2223008	Eetakota Sravanthi	II B.Com(C.A.)
45.	2223009	Muchakarala Kalyani	II B.Com(C.A.)
46.	2223010	Mylapalli Nireesha	II B.Com(C.A.)
47.	2223011	Anaparthi Hemalatha	II B.Com(C.A.)
48.	2223012	Bonda Lakshmi Prasanna	II B.Com(C.A.)
49.	2223013	Chinthapalli Lavanya	II B.Com(C.A.)
50.	2223014	Chinthapalli Satya Veni	II B.Com(C.A.)
51.	2223015	Dadala Naga Jyothi	II B.Com(C.A.)
52.	2223021	Ginjala Gowri	II B.Com(C.A.)
53.	2223022	Kala Madhu Mani	II B.Com(C.A.)
54.	2223023	Kala Swathi	II B.Com(C.A.)
55.	2223024	Karri Swathi	II B.Com(C.A.)
56.	2223025	Konada Naveena	II B.Com(C.A.)
57.	2223026	Korukonda Satya Sri	II B.Com(C.A.)
58.	2223027	Lanka Ramya	II B.Com(C.A.)
59.	2223028	Majji Bhargavi	II B.Com(C.A.)
60.	2223029	Medisetti Veera Satya	II B.Com(C.A.)

REPORT OF THE ACTIVITY

Mrs.T.Sudharani Associate Professor in Department of CSE, Aditya Engineering College Suramplaem, has delivered a Guest Lecture on "Machine Learning Algorithms" to the students of II B.Sc. (M.P.CS & M.S.CS) and II B.Com. (C.A) on 06-04-2024 from 11A.M to 1P.M. Students attended the Guest Lecture in Seminar Hall. She expressed her views on the following topics

Introduction to Machine Learning Algorithms

Machine learning algorithms are computational models that allow computers to understand patterns and forecast or make judgments based on data without explicit programming. These algorithms form the foundation of modern artificial intelligence and are used in various applications, including image and speech recognition, natural language processing, recommendation systems, fraud detection, autonomous cars, etc.

This topic will cover all the essential algorithms of machine learning like *Support vector machine, decision-making, logistics regression, naive bayees classifier, random forest, k-mean clustering, reinforcement learning, vector, hierarchical clustering, etc.*

Types of Machine Learning Algorithms

There are four types of machine learning algorithms

- 1. Supervised Learning
  - A. Classification
    - Logistic Regression
    - Support Vector Machines (SVM)
    - k-Nearest Neighbors (k-NN)
    - Naive Bayes
    - Decision Trees
    - Random Forest
    - Gradient Boosting (e.g., XGBoost, LightGBM, CatBoost)
    - Neural Networks (e.g., Multilayer Perceptron)
  - B. Regression
    - Linear Regression
    - Ridge Regression
    - Lasso Regression
    - Support Vector Regression (SVR)
    - Decision Trees Regression
    - Random Forest Regression
    - Gradient Boosting Regression
    - Neural Networks Regression
- 2. Unsupervised Learning
  - A. Clustering
    - k-Means
    - Hierarchical Clustering
    - DBSCAN (Density-Based Spatial Clustering of Applications with Noise)
    - Gaussian Mixture Models (GMM)
  - B. Dimensionality Reduction
    - Principal Component Analysis (PCA)
    - t-Distributed Stochastic Neighbor Embedding (t-SNE)
    - Linear Discriminant Analysis (LDA)
    - Independent Component Analysis (ICA)
    - UMAP (Uniform Manifold Approximation and Projection)

    - C. Association
        - Apriori Algorithm
        - Eclat Algorithm

- 3. Reinforcement Learning
    - A. Model-Free Methods
        - Q-Learning
        - Deep Q-Network (DQN)
        - SARSA (State-Action-Reward-State-Action)
        - Policy Gradient Methods (e.g., REINFORCE)
    - B. Model-Based Methods
        - Deep Deterministic Policy Gradient (DDPG)
        - Proximal Policy Optimization (PPO)
        - Trust Region Policy Optimization (TRPO)
    - C. Value-Based Methods
        - Monte Carlo Methods
        - Temporal Difference (TD) Learning

- 4. Ensemble Learning
    - Bagging (e.g., Random Forest)
    - Boosting (e.g., AdaBoost, Gradient Boosting)
    - Stacking

1. Supervised Learning
Supervised learning involves training a model on labeled data, where the desired output is known. The model learns to map inputs to outputs based on the provided examples.

A. Classification
1. Logistic Regression
- **Description:** Logistic regression models the probability of a binary outcome using a logistic function. It outputs probabilities and classifies instances by setting a threshold (usually 0.5).
- **Key Points:**
    - Simple and easy to implement.
    - Assumes linear relationship between the input features and the log-odds of the outcome.
    - Works well for binary classification problems.
- **Applications:** Email spam detection, disease diagnosis, credit scoring.

2. Support Vector Machines (SVM)
- **Description:** SVMs find the hyperplane that best separates different classes by maximizing the margin between them.
- **Key Points:**
    - Effective in high-dimensional spaces.
    - Works well for both linear and non-linear classification using kernel trick.
    - Sensitive to the choice of kernel and regularization parameter.
- **Applications:** Image classification, text categorization, bioinformatics.

3. k-Nearest Neighbors (k-NN)
- **Description:** k-NN classifies instances based on the majority class among the k-nearest neighbors in the feature space.
- **Key Points:**
    - Simple and intuitive.
    - No explicit training phase, making it a lazy learner.
    - Sensitive to the choice of k and the distance metric.
- **Applications:** Recommender systems, pattern recognition, anomaly detection.

4. Naive Bayes

- **Description:** Naive Bayes uses Bayes' theorem with the assumption of feature independence to classify instances.
- **Key Points:**
  - Fast and efficient.
  - Performs well with high-dimensional data.
  - Assumption of feature independence might not hold in all cases.
- **Applications:** Text classification, sentiment analysis, spam filtering.

5. Decision Trees

- **Description:** Decision trees split data into subsets based on the value of input features, creating a tree-like model of decisions.
- **Key Points:**
  - Easy to interpret and visualize.
  - Can handle both numerical and categorical data.
  - Prone to overfitting without proper pruning.
- **Applications:** Risk assessment, fraud detection, customer segmentation.

6. Random Forest

- **Description:** Random forest is an ensemble of decision trees that improves accuracy and controls overfitting by averaging multiple trees trained on different subsets of data.
- **Key Points:**
  - Reduces overfitting compared to individual decision trees.
  - Handles large datasets with higher dimensionality.
  - Requires more computational resources.
- **Applications:** Financial forecasting, image classification, healthcare diagnostics.

Resource Person **Mrs.T.Sudharani** explaining Machine Learning Algorithms

Student enthusiastically listening to the Guest Lecture

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)

Affiliated to Adikavi Nannaya University

Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

FEEDBACK ON THE GUEST LECTURE

Name of the Participant:

1. How satisfied are you with the overall quality of the lecture?

   A. Very Satisfied
   B. Satisfied
   C. Neutral
   D. Unsatisfied

2. Did the lecture enhance your knowledge on the topic?

   A. Strongly Agree
   B. Agree
   C. Neutral
   D. Disagree

3. How relevant was the content of the lecture to your curriculum needs?

   A. Extremely Relevant
   B. Very Relevant
   C. Moderately Relevant
   D. Slightly Relevant

4. Do you feel the lecture provided practical insights that you can apply?

   A. Strongly Agree
   B. Agree
   C. Neutral
   D. Disagree

5. Any additional comments or suggestions?

   _____

Signature of the Participant

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited with 'B' Grade by NAAC)

(Affiliated to Adikavi Nannaya University)

Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

2023-2024

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A)

JAGANNAICKPUR, KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

2023- 2024

GUEST LECTURE

By

Dr.K.V.Sobharani **M.C.A., Ph.D.**
Lecturer in Computer Applications,
Govt. Degree College,
Ramachandrapuram

Date : 12-06-2024

Topic : Normalization

Conducted by

N.NAGA SUBRAHMANYESWARI, LECTURER IN COMPUTER SCIENCE

K. SURYA LAKSHMI, GUEST LECTURER IN COMPUTER SCIENCE

P.SVD BALLABAMBA, GUEST LECTURER IN COMPUTER APPLICATIONS

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

Activity Register 2023-2024

Date	12/06/2024
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.)	Department of Computer Science
Nature of Activity (Seminar/Workshop/Extn. Lecture etc.,)	Guest Lecture
Title of the Activity	**Normalization**
Name of the Department/Committee	Computer Science
Details of Resource Persons (Name , Designation etc.,)	**Dr.K.V.Sobharani** Lecturer in Computer Applications, Govt. Degree College, Ramachandrapuram.
No.of students participated	25
Brief Report on the activity	To enable the students to manage data using normal forms.
Name of the Lecturers who Planned & conducted the activity	N.Naga Subrahmanyeswari, Lecturer in Computer Science K. Surya Lakshmi, Guest Lecturer in Computer Science P.SVD Ballabamba, Guest Lecturer in Computer Applications
Signature of the Dept.In-Charge/ Convener of the Committee	N.N.S.Eswari INCHARGE DEPT. OF COMPUTER SCIENCE ASDGOVT DEGREE COLLEGE (W)AUTONOMOUS) KAKINADA
Signature of the Principal	PRINCIPAL A.S.D.GOVT.DEGREE COLLEGE (W) AUTONOMOUS KAKINADA
Remarks	

(* Brief Report of the activity has to be submitted along with evidences(Correspondence , Photographs, Paper Clippings, and Student Feedback etc).A separate record has to be prepared for each Academic year. The College Activity Register shall be with the Principal. All activities have to be recorded and the serial no of the activity has to be mentioned on the report of the activity.)

PERMISSION LETTER

Kakinada,
Date: 07-06-2024.

To,
Dr. V.Anantha Lakshmi,
Principal,
A.S.D. Govt. Degree College for Women (A),
Kakinada.

From,
N.Naga Subrahmanyeswari,
Incharge - Department of Computer Science & Computer Applications,
A.S.D. Govt. Degree College for Women (A),
Kakinada.

Sub: Request to organize Guest Lecture on "Normalization" for III B.Com.(CA) on 12-06-2024 -Reg.

Respected Madam,

The Department of Computer Science wishes to organize an Guest Lecture on "Normalization" for III B.Com.(CA) on 12-06-2024, and the Resource Person is Dr.K.V.Sobharani, Lecturer in Computer Applications in GDC Ramachandrapuram. This activity shall enhance the knowledge of the Normalization. Kindly do the needful.

Thanking you, Madam.

Yours faithfully,

N.N.S.Eswari
INCHARGE
DEPT. OF COMPUTER SCIENCE
ASD GOVT DEGREE COLLEGE (W) AUTONOMOUS
KAKINADA

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)

Affiliated to Adikavi Nannaya University

Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

CIRCULAR

Date: 07-06-2024

The Department of computer Science wishes to organize a Guest Lecture on "Normalization" on 12-06-2024 in RB IV for III B.Com.(CA) students to acquire basic knowledge about Normalization and enhance their skills.

N.N.S. Eswari
INCHARGE
DEPT. OF COMPUTER SCIENCE
ASD GOVT DEGREE COLLEGE (W) AUTONOMOUS
KAKINADA

In-Charge of the Department

PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

Principal

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

NAME OF THE GUEST : **Dr.K.V.Sobharani,** **M.C.A., Ph.D.**
Lecturer in Computer Applications,
Govt. Degree College,
Ramachandrapuram

TOPIC : **Normalization**

DATE : 12-06-2024

VENUE : **RB**-IV

N.N.S. Eswari
INCHARGE
DEPT. OF COMPUTER SCIENCE
ASD GOVT. DEGREE COLLEGE (W) AUTONOMOUS
KAKINADA

IN-CHARGE OF THE DEPARTMENT

A.S.D.GOVT.DEGREE COLLEGE FOR WOMEN (A) KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

INVITATION

The Department of Computer Science wishes to arrange A Guest Lecture
on
12-06-2024 at 12.00 P.M. in RB-4

Subject: Database Management System

Topic: Normalization

BY

Dr.K.V.Sobharani, M.C.A., Ph.D.
Lecturer in Computer Applications,
Govt. Degree College,
Ramachandrapuram.

N.N.S. Eswari
INCHARGE
DEPT OF COMPUTER SCIENCE
A.S.D.GOVT.DEGREE COLLEGE (WAUTONOMOUS)
KAKINADA

In-Charge of the Department

PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W
AUTONOMOUS
KAKINADA

Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

A Guest Lecture is conducted for the Students of III B.Com (C.A.)

Name of the Guest **:** **Dr.K.V.Sobharani** **M.C.A., Ph.D.**
Lecturer in Computer Applications,
Govt. Degree College,
Ramachandrapuram.

TOPIC	VENUE	DATE	TIME	MODE OF DELIVERY
Normalization	RB-IV	12-06-2024	12:00 PM TO 1:00 PM	Offline

Signatures of the Lecturers Attended:

1. N.N.S. Eswari
2. K.S.Lakshmi
3.

PRINCIPAL
A.S.D.GOVT.DEGREE COLLEGE (W)
AUTONOMOUS
KAKINADA

Signature of the Principal

A.S.D.GOVT. DEGREE COLLEGE FOR WOMEN(A)

KAKINADA

DEPARTMENT OF COMPUTER SCIENCE

GUEST LECTURE

Topic: Normalization

Date: 12-06-2024 **Venu:** RB-IV **Time:** 12PM – 1 PM

S.No.	Reg.No	Name of the Student	Class
1	2123001	RATCH JOGESWARI	III B.Com.(CA)
2	2123002	DASARI MADHUSRI	III B.Com.(CA)
3	2123004	KUNCHAM SNEHALATHA	III B.Com.(CA)
4	2123005	NAGARABOINA MOUNIKA	III B.Com.(CA)
5	2123006	PALEPU DIVYA	III B.Com.(CA)
6	2123007	PINAPOTHU BHAVANI	III B.Com.(CA)
7	2123008	TALABHATHULA MAHA	III B.Com.(CA)
8	2123009	THANDRA LAKSHMI SRAVANI	III B.Com.(CA)
9	2123010	ARAVA ANUSHA	III B.Com.(CA)
10	2123011	BALLA SIRISHA	III B.Com.(CA)
11	2123012	CHAPALA PUSHPANJALI	III B.Com.(CA)
12	2123013	DARAKONDA KEERTHANA	III B.Com.(CA)
13	2123014	DEVU SANDHYA RANI	III B.Com.(CA)
14	2123015	GAMPALA MUNNI	III B.Com.(CA)
15	2123017	GEDDADD SAI PAVANI	III B.Com.(CA)
16	2123021	JONNADA ANUSRI	III B.Com.(CA)
17	2123022	KAVATARAPU LAKSHMI DEVI	III B.Com.(CA)
18	2123023	MATCHA MOUNIKA	III B.Com.(CA)
19	2123024	PALLAPROLU ANJALI	III B.Com.(CA)
20	2123025	PALLETI MANEESHA	III B.Com.(CA)
21	2123026	PEYYALA SANDHYA	III B.Com.(CA)
22	2123027	REDDY HEMA LATHA	III B.Com.(CA)
23	2123028	REVU ANUSHA	III B.Com.(CA)
24	2123029	SARAKANAM VIJAYA DURGA	III B.Com.(CA)
25	2123036	YELLEM SARVANI	III B.Com.(CA)

REPORT ON THE ACTIVITY

Dr.K.V.Sobharani, Lecturer in Computer Applications, Government Degree College Ramachandrapuram, has delivered a Guest Lecture on "Normal Forms" to the students of II B.Sc. (M.P.Cs) and II B.Com. (C.A) on 12-06-2024 from 12P.M to 1P.M. Students attended the Guest Lecture in RB-4.She expressed her views on the following topics

What is Normalization?

- Normalization is the process of organizing the data in the database.
- Normalization is used to minimize the redundancy from a relation or set of relations. It is also used to eliminate undesirable characteristics like Insertion, Update, and Deletion Anomalies.
- Normalization divides the larger table into smaller and links them using relationships.
- The normal form is used to reduce redundancy from the database table.

Why do we need Normalization?

The main reason for normalizing the relations is removing these anomalies. Failure to eliminate anomalies leads to data redundancy and can cause data integrity and other problems as the database grows. Normalization consists of a series of guidelines that helps to guide you in creating a good database structure.

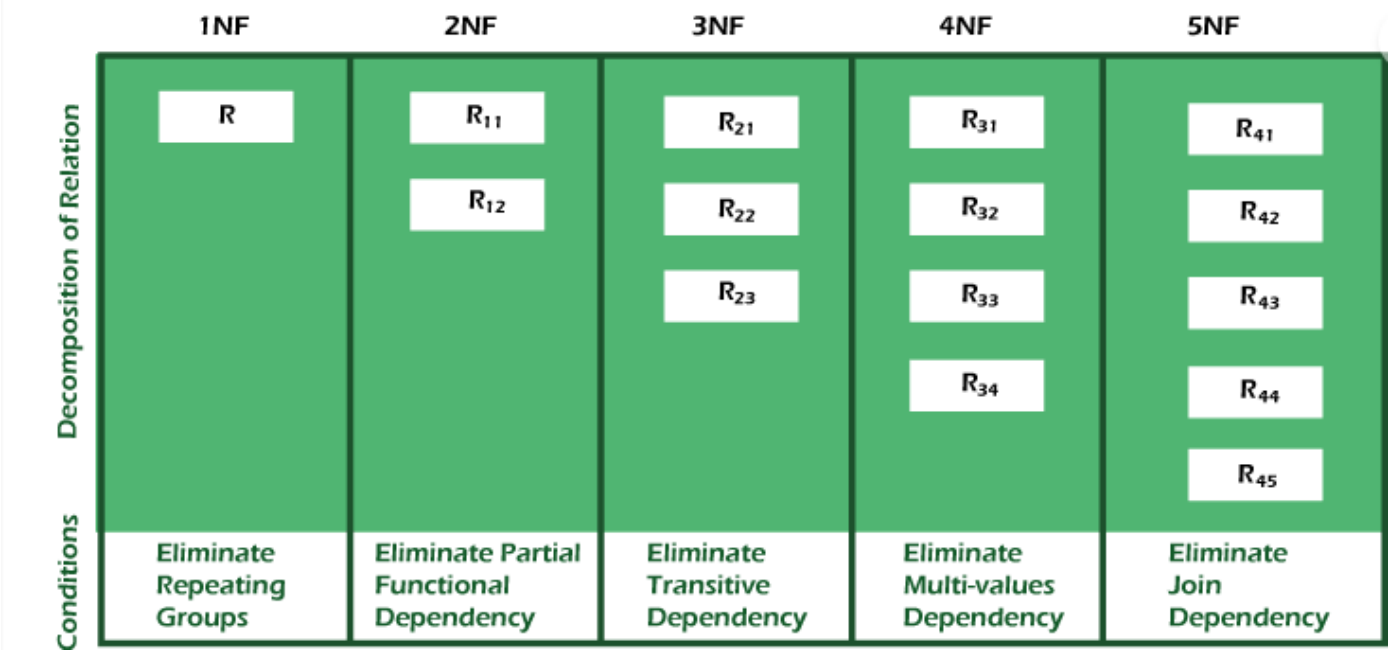
Data modification anomalies can be categorized into three types:

- **Insertion Anomaly:** Insertion Anomaly refers to when one cannot insert a new tuple into a relationship due to lack of data.
- **Deletion Anomaly:** The delete anomaly refers to the situation where the deletion of data results in the unintended loss of some other important data.
- **Updatation Anomaly:** The update anomaly is when an update of a single data value requires multiple rows of data to be updated.

Types of Normal Forms:

Normalization works through a series of stages called Normal forms. The normal forms apply to individual relations. The relation is said to be in particular normal form if it satisfies constraints.

Following are the various types of Normal forms:



Normal Form	Description
1NF	A relation is in 1NF if it contains an atomic value.
2NF	A relation will be in 2NF if it is in 1NF and all non-key attributes are fully functional dependent on the primary key.
3NF	A relation will be in 3NF if it is in 2NF and no transition dependency exists.
BCNF	A stronger definition of 3NF is known as Boyce Codd's normal form.
4NF	A relation will be in 4NF if it is in Boyce Codd's normal form and has no multi-valued dependency.
5NF	A relation is in 5NF. If it is in 4NF and does not contain any join dependency, joining should be lossless.

Advantages of Normalization

- Normalization helps to minimize data redundancy.
- Data consistency within the database.
- Much more flexible database design.

Disadvantages of Normalization

- You cannot start building the database before knowing what the user needs.
- The performance degrades when normalizing the relations to higher normal forms, i.e., 4NF, 5NF.

Students enthusiastically listening to the Guest Lecture

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)

Affiliated to Adikavi Nannaya University

Jagannaickpur, Kakinada.

DEPARTMENT OF COMPUTER SCIENCE

FEEDBACK ON THE GUEST LECTURE

Name of the Participant:

1. How satisfied are you with the overall quality of the lecture?

   A. Very Satisfied
   B. Satisfied
   C. Neutral
   D. Unsatisfied

2. Did the lecture enhance your knowledge on the topic?

   A. Strongly Agree
   B. Agree
   C. Neutral
   D. Disagree

3. How relevant was the content of the lecture to your curriculum needs?

   A. Extremely Relevant
   B. Very Relevant
   C. Moderately Relevant
   D. Slightly Relevant

4. Do you feel the lecture provided practical insights that you can apply?

   A. Strongly Agree
   B. Agree
   C. Neutral
   D. Disagree

5. Any additional comments or suggestions?

_____

Signature of the Participant