



Government College for Men
(Autonomous) Kadapa-516004, Andhra Pradesh
NAAC Accredited at "B" Grade
ISO 9001-2015 Certified Institution



AY: 2021-2022

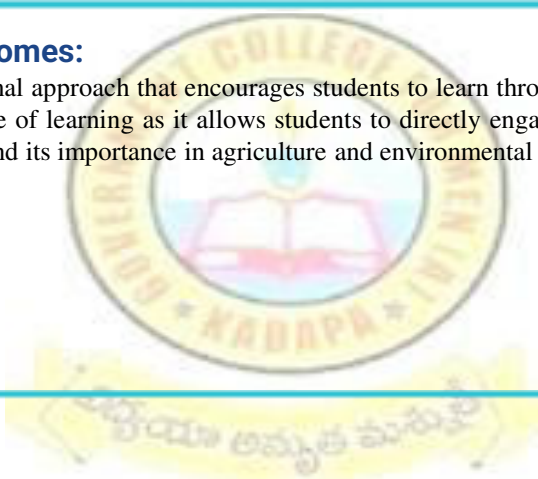
2.3.1 Experiential Learning: Science Laboratory Practicles

1. Title of the Activity : **Experiential Learning: Soil Analysis**
2. Organizing Department : **Botany**
3. Name of the Organizer : **Dr. M. V. Suresh Babu**
4. Activity Conducted for : **II Year B.Sc B.Z.C**
5. Date : **08/12/2021**
6. Resource Person :
7. Collaborator :
8. No. of Beneficiaries : **Students: 30 Faculty: 2**



Brief Description with Outcomes:

Experiential learning is an educational approach that encourages students to learn through hands-on experiences and activities. Soil analysis is a great topic for this type of learning as it allows students to directly engage with the subject matter and gain a deeper understanding of soil composition and its importance in agriculture and environmental sciences.



Dr. M. V. Suresh Babu

Organizer

N. R. S. S. S.

Dept. Incharge



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AY: 2022-2023

2.3.1 Experiential Learning: Science Laboratory Practicles

1. Title of the Activity : **Experiential Learning**
2. Organizing Department : **Botany**
3. Name of the Organizer : **P. Sivarama Krishna**
4. Activity Conducted for : **I Year B.Sc Bt.B.C**
5. Date : **02/01/2023**
6. Resource Person :
7. Collaborator :
8. No. of Beneficiaries : **Students: 6 Faculty: 1**



Brief Description with Outcomes:

P. Sivarama Krishna, a Lecturer in the Botany department at Government College for Men (A), Kadapa, organized an "Experiential Learning: Science Laboratory Practicles" session for first-year B.Sc Bt.B.C students. The activity, conducted offline at the college level on 02/01/2023 during the academic year 2022-2023, aimed to enhance students' practical skills in science laboratory procedures.

The support of Principal Dr. G. Ravindranath played a crucial role in the successful execution of this experiential learning initiative. The laboratory session engaged 6 student participants and 1 faculty member. The brief description emphasized the hands-on learning experience, including the preparation of temporary slides, double staining of section cuttings, and observation of the anatomical organization of plant tissues. The activity focused on providing students with a practical understanding of scientific concepts.

Organizer

Dept. Incharge



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AY: 2022-2023

2.3.1 Experiential Learning: Science Laboratory Practicles

1. Title of the Activity : **Inoculation of explant - plant tissue culture**
2. Organizing Department : **Biotechnology**
3. Name of the Organizer : **Dr. P. Kalpana**
4. Activity Conducted for : **II Year B.Sc Students**
5. Date : **03/04/2023**
6. Resource Person :
7. Collaborator :
8. No. of Beneficiaries : **Students: 13 Faculty: 1**



Brief Description with Outcomes:

Dr. P. Kalpana, a Lecturer in the Biotechnology department at Government College for Men (A), Kadapa, facilitated an experiential learning activity titled "Experiential Learning: Science Laboratory Practicles." This engaging initiative was designed for second-year B.Sc students and involved the practical application of science laboratory techniques. The activity, focusing on the "Inoculation of explant - plant tissue culture," took place offline at the college level on 03/04/2023. The successful execution of this hands-on learning experience was made possible with the support of Principal Dr. G. Ravindranath. The collaboration included 13 students and 1 faculty member, fostering a conducive environment for experiential learning. The brief description emphasized the students' hands-on involvement in the inoculation of explants on a sterile plant tissue culture medium, conducted aseptically within a Laminar Air Flow Cabinet.

P. Kalpana

Organizer

P. Kalpana

Dept. Incharge



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AY: 2022-2023

2.3.1 Experiential Learning: Science Laboratory Practicles

1. Title of the Activity : **Experiment - you tube video**
2. Organizing Department : **Biotechnology**
3. Name of the Organizer : **Dr. P. Kalpana**
4. Activity Conducted for : **II Year B.Sc Students**
5. Date : **24/04/2023**
6. Resource Person :
7. Collaborator :
8. No. of Beneficiaries : **Students: 1 Faculty: 18**



Brief Description with Outcomes:

Dr. P. Kalpana, a Lecturer in the Biotechnology department at Government College for Men (A), Kadapa, initiated an experiential learning activity titled "Experiential Learning: Science Laboratory Practicles." This practical endeavor was tailored for second-year B.Sc students and involved offline engagement at the college level on 24/04/2023. Principal Dr. G. Ravindranath played a crucial role in supporting the execution of this activity.

Despite facing challenges such as the unavailability of certain equipment and chemicals in the laboratory, the department adapted by utilizing a YouTube video for the experiment. The specific collaborators and resource person details were not provided, but the brief description emphasized the demonstration of the preparation of synthetic seeds through a video, offering insightful explanations.

P. Kalpana

Organizer

P. Kalpana

Dept. Incharge



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AY: 2022-2023

2.3.1 Experiential Learning: Science Laboratory Practicles

1. Title of the Activity : **Study of flora in the college campus**
2. Organizing Department : **Botany**
3. Name of the Organizer : **P. Sivarama Krishna**
4. Activity Conducted for : **I Year B.Sc Students**
5. Date : **11/08/2022**
6. Resource Person : **P.Sivaramakrishna**
7. Collaborator :
8. No. of Beneficiaries : **Students: 7 Faculty: 1**



GOVERNMENT COLLEGE FOR MEN (A) KADAPA
DEPARTMENT OF BOTANY

NAME OF THE ACTIVITY: *Field visit - college campus* Date: *11/08/22*
Group: *BCH* (Study of Flora in the college campus)

Semester-II

SNo	Roll No.	Name of the Student	Signature
1	210043105001	S. Venkata Ratna	<i>S. Venkata Ratna</i>
2	210043105002	S. Hari Prasad	<i>S. Hari Prasad</i>
3	210043105004	B. Kalpana	<i>B. Kalpana</i>
4	210043105005	D. Sankar	<i>D. Sankar</i>
5	210043105007	E. Kumar Naik	<i>E. Kumar Naik</i>
6	210043105009	K. Kamakshi Reddy	<i>K. Kamakshi Reddy</i>
7	210043105010	P. Reddiah	<i>P. Reddiah</i>
8	210043105011	T. Naga Jyothna	<i>T. Naga Jyothna</i>

Group: BioBC

SNo	Roll No.	Name of the Student	Signature
1	210043095002	C. Obulesh	<i>C. Obulesh</i>
2	210043095005	J. Ishari	<i>J. Ishari</i>
3	210043095008	K. Sasikiran	<i>K. Sasikiran</i>
4	210043095009	M. Babu	<i>M. Babu</i>
5	210043095010	S.V. Sai Prasad	<i>S.V. Sai Prasad</i>

Head/Incharge of the Department:
Lecturer in Charge
Department of Botany
Govt. College for Men (A)
KADAPA.

P. Sivarama Krishna
P. Sivarama Krishna, B.Ed.,
Lecturer in Botany
Govt. College for Men (A)
Kadapa - 516 004.

Brief Description with Outcomes:

Study of Flora available in the college campus by the First year, second semester students as a part of curriculum. P.Sivaramakrishna, Lecturer in Botany explained the methods of plant collection, identification etc. Students learnt how to identify the plants, and how to collect the plants for herbarium preparation.

P. Sivarama Krishna

Organizer

N. R. S. Chandra

Dept. Incharge



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AY: 2022-2023

2.3.1 Experiential Learning: Science Laboratory Practicles

1. Title of the Activity : **Demo on TLC**
2. Organizing Department : **Chemistry**
3. Name of the Organizer : **Dr. B. Mahesh**
4. Activity Conducted for : **II Year** **B.Sc Students**
5. Date : **10/11/2022**
6. Resource Person :
7. Collaborator :
8. No. of Beneficiaries : **Students: 17** **Faculty: 3**



Brief Description with Outcomes:

The organizer of the activity, Dr. B. Mahesh, a Lecturer at Government College for Men (A), Kadapa, conducted an activity titled "Experiential Learning: Science Laboratory Practicals" for B.Sc students in their II Year of study. The activity, which took place on October 11, 2022, involved a demonstration on Thin Layer Chromatography (TLC) and was conducted offline at the college level. The collaboration for this activity included 17 students and 3 faculty participants. Acknowledging the support of Principal Dr. G. Ravindranath, the key outcomes of the activity were aligned with the hands-on experience gained by the participating students in science laboratory practices. The execution of the activity was successful, fostering a practical understanding of laboratory techniques among the students.

Organizer

Dept. Incharge



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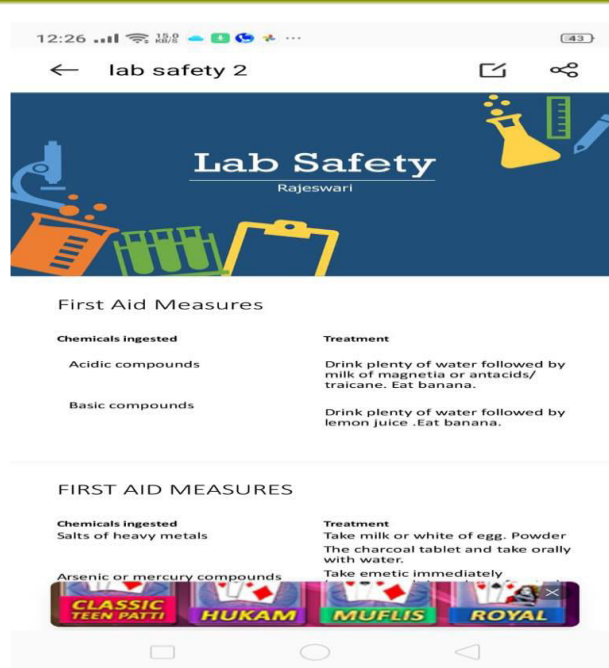
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AY: 2019-2020

2.3.1 Experiential Learning: Science Laboratory Practicles

- Title of the Activity : power point presentation on lab safety
- Organizing Department : Chemistry
- Name of the Organizer : B. Rajeswari
- Activity Conducted for : II Year B.Sc Students
- Date : 30.05.2019 - 30.05.2019
- Resource Person : Smt B.Rajeswari
- Collaborator :
- No. of Beneficiaries : Students: 45 Faculty: 1



Brief Description with Outcomes:

B. Rajeswari, a dedicated Lecturer in the Chemistry department at Government College for Men (A), Kadapa, took the initiative to enhance the learning experience for second-year B.Sc students during the academic year 2019-2020. The activity, titled "Experiential Learning: Science Laboratory Practicles," focused on conducting online PowerPoint presentations to educate students on lab safety. This college-level initiative, held on May 30, 2019, aimed to instill practical knowledge and safety awareness in the students.

Principal steadfast support was crucial in the successful execution of this online learning experience. B. Rajeswari, serving as the organizer and resource person, facilitated the session for 45 students and 1 faculty member.

The key outcome of this experiential learning activity was the enrichment of students' understanding of laboratory practices and safety protocols. The online platform allowed for an engaging and interactive session, providing students with valuable insights into safe laboratory conduct. This initiative aligns with the broader educational goals of promoting experiential learning to reinforce theoretical knowledge.

Organizer

Dept. Incharge



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AY: 2022-2023

2.3.1 Experiential Learning: Preparation of Periodical

Table

1. Title of the Activity : **Periodic table constructed by students**
2. Organizing Department : **Chemistry**
3. Name of the Organizer : **K. Sreenivasulu**
4. Activity Conducted for : **UG Students**
5. Date : **08/02/2022**
6. Resource Person : **B.Rajeswari**
7. Collaborator :
8. No. of Beneficiaries : **Students: 120 Faculty: 11**



Brief Description with Outcomes:

K. Sreenivasulu, Lecturer in the Chemistry department at Government College for Men (A), Kadapa, initiated an academic event titled "Celebration of Important Days: Experiential Learning - Preparation of Periodical Table." The activity was conducted for faculty members, focusing on enhancing their understanding of the significance of the periodic table. The event took place offline on 08/02/2022 at the college level during the academic year 2022-2023.

I would like to acknowledge the invaluable support of Principal Dr. G. Ravindranath in the successful execution of this activity. The activity involved 120 student participants and 11 faculty members. Students actively engaged in constructing a periodic table, fostering experiential learning and providing a hands-on approach to understanding the contributions of Mendelev and the importance of the periodic table in the field of chemistry.

Organizer

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AY: 2021-2022

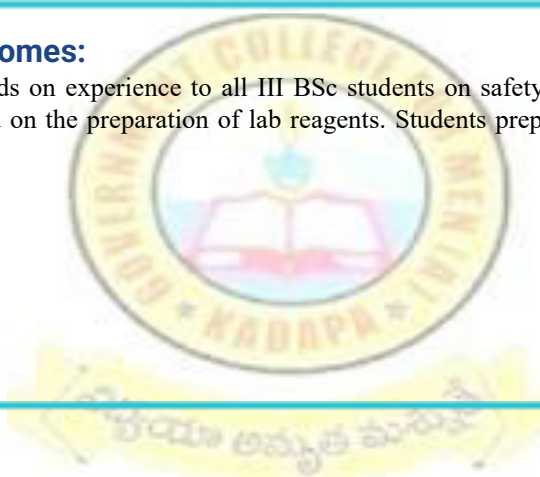
2.3.1 Experiential Learning: Science Laboratory Practicles

1. Title of the Activity : Preparation of reagents by the students
2. Organizing Department : Chemistry
3. Name of the Organizer : B. Rajeswari
4. Activity Conducted for : II Year B.Sc Students
5. Date : 21/07/2022
6. Resource Person :
7. Collaborator :
8. No. of Beneficiaries : Students: 24 Faculty: 9



Brief Description with Outcomes:

All the faculty members gave hands on experience to all III BSc students on safety measures to be followed in the chemistry laboratory, cleaning procedures and on the preparation of lab reagents. Students prepared all the reagents required to conduct I, II and III B.Sc chemistry practicals.



B. Rajeswari

Organizer

B. Rajeswari

Dept. Incharge



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AY: 2020-2021

2.3.1 Experiential Learning: Science Laboratory Practicles

1. Title of the Activity : **Laboratory practicals**
2. Organizing Department : **Chemistry**
3. Name of the Organizer : **Dr. B. Mahesh**
4. Activity Conducted for : **UG Students**
5. Date : **03/12/2020**
6. Resource Person :
7. Collaborator :
8. No. of Beneficiaries : **Students: 47** **Faculty: 6**



Brief Description with Outcomes:

The Government College for Men (A), Kadapa organized an activity titled "Experiential Learning: Science Laboratory Practicles" under the Chemistry department. Dr. B. Mahesh, a Lecturer, spearheaded the event, which targeted UG students. The activity, focusing on laboratory practicals, took place offline on March 12, 2020, at the university level. The collaboration involved no external partners.

The activity saw participation from 47 students and 6 faculty members, contributing to a total of 53 participants. The event, conducted during the academic year 2020-2021, received support from Principal.

Key outcomes of the activity included enhanced practical knowledge and hands-on experience for students, fostering a deeper understanding of scientific concepts. The engagement and participation of both students and faculty contributed to the success of the initiative.

Organizer

Dept. Incharge



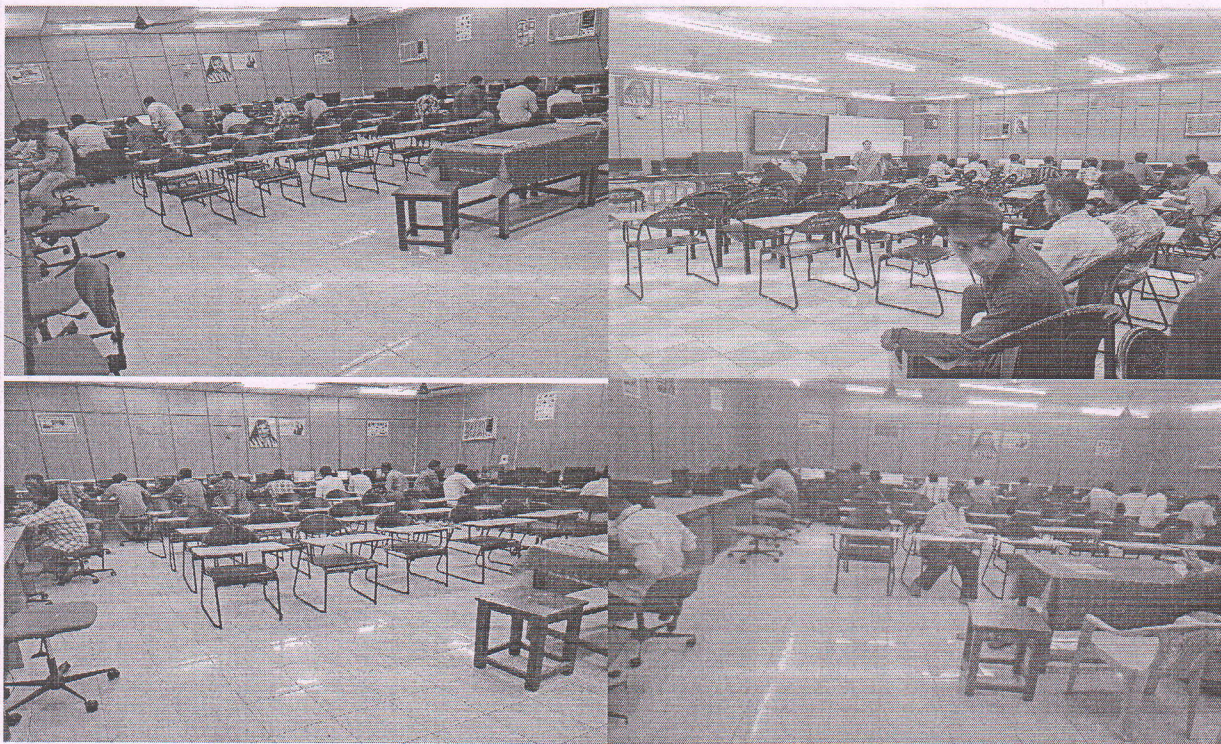
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Laboratory Practical Report

AY: 2022-2023

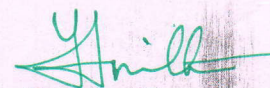
Name of the Faculty	: ANITHA YARAVA
Organizing Department	: COMPUTER SCIENCE
Title of the Activity	: Laboratory Practical
Date	: 01.11.2022 – 15.01.2023
Year & Group	: II B.Sc. & B.A



Brief Description:

Practical experience exposes students to a wide range of challenges, from debugging code to designing scalable software solutions. By grappling with real-world problems, students learn to think critically, analyze complex systems, and devise effective solutions—a skill set that is invaluable in the professional world. Students typically involves hands-on exercises and experiments designed to reinforce theoretical concepts taught in class. The objective of the laboratory practical is to provide students with practical experience in applying computer science principles, algorithms, and techniques to solve real-world problems using programming languages, software tools, and computing systems.

Website: www.gcmkadapa.ac.in


Faculty Signature

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Government College for Men
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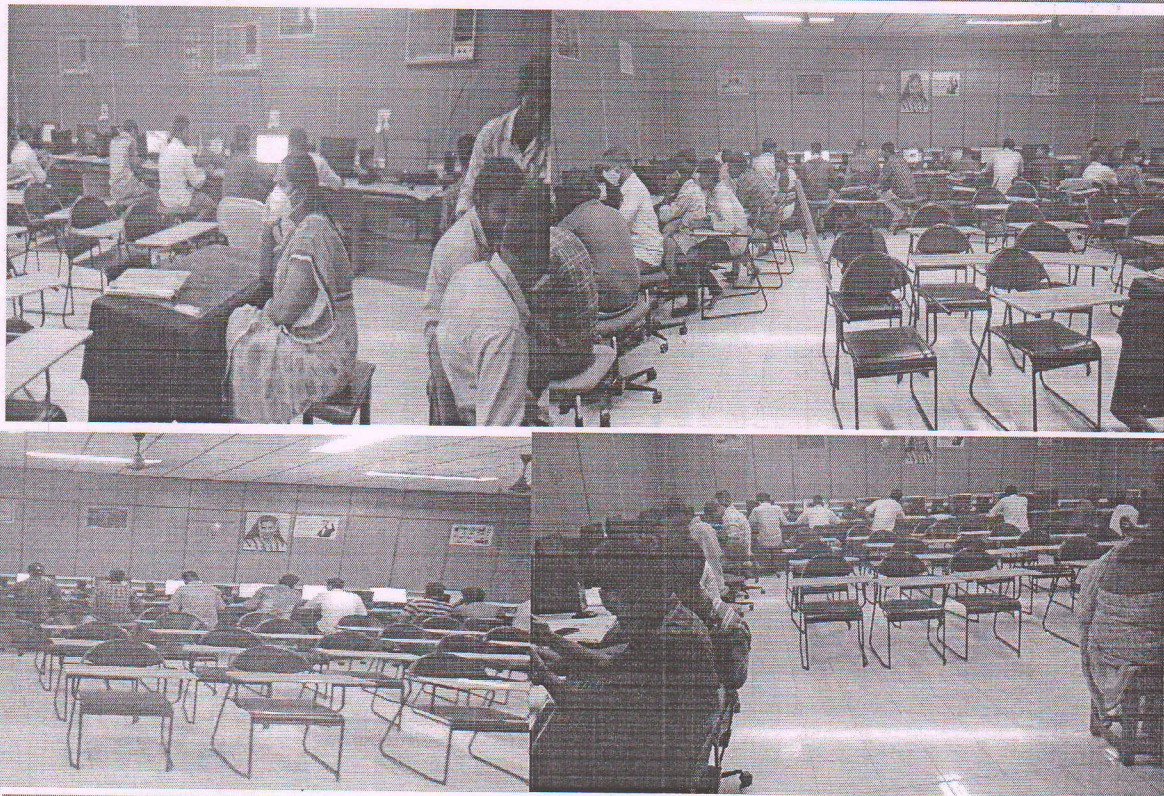
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Laboratory Practical Report

AY: 2021-2022

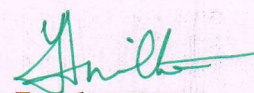
Name of the Faculty : ANITHA YARAVA
Organizing Department : COMPUTER SCIENCE
Title of the Activity : Laboratory Practical
Date : September 2022
Year & Group : III B.Sc.



Brief Description:

Practical experience exposes students to a wide range of challenges, from debugging code to designing scalable software solutions. By grappling with real-world problems, students learn to think critically, analyze complex systems, and devise effective solutions—a skill set that is invaluable in the professional world. Students typically involves hands-on exercises and experiments designed to reinforce theoretical concepts taught in class. The objective of the laboratory practical is to provide students with practical experience in applying computer science principles, algorithms, and techniques to solve real-world problems using programming languages, software tools, and computing systems.

Website: www.gcmkadapa.ac.in


Faculty Signature

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Government College for Men
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AY: 2021-22

Experimental Learning

Name of the Faculty : K H SAMPATHKUMAR RAJU
Organizing Department : Computer Science
Title of the Activity : Laboratory Practical
Date : 27-09-2021 to 15-09-2022
No. of Students Benefited : 140
Activity conducted for : III MPCs – II BCom CA – I BCom CA



Brief Description:

The success of the Laboratory Practical highlights the significance of experimental learning in augmenting traditional classroom instruction. Moving forward, integrating more experiential learning opportunities into the curriculum can further enhance students' academic performance, skill development, and overall learning experience. Additionally, leveraging technology and interdisciplinary approaches can broaden the scope and effectiveness of experimental learning initiatives, catering to diverse learning styles and preferences.

Skharyu

Signature of the Faculty



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AY: 2022-23

Experimental Learning

Name of the Faculty : K H SAMPATHKUMAR RAJU
Organizing Department : Computer Science
Title of the Activity : Laboratory Practical
Date : 31st Oct 2022 – 22nd June 2023
No. of Students Benefited : 125
Activity conducted for : III MPCs – III BCom CA – II BCom CA



Brief Description:

The Laboratory Practical served as an invaluable supplement to classroom teaching, providing students with a holistic learning experience that combined theoretical knowledge with practical application. By fostering critical thinking, problem-solving, and collaboration, it equipped students with essential skills and competencies for academic success and future career pursuits. As educators, it is imperative to continue embracing innovative pedagogical approaches like experimental learning to nurture the intellectual curiosity and growth of our students.

SK Raju

Signature of the Faculty



AY: 2021-22

Experimental Learning

Name of the Faculty : B.Renuka Devi
Organizing Department : Computer Science
Title of the Activity : Laboratory Practical
Date : 13-07-2022
No. of Students Benefited : 10
Activity conducted for : II BA HECA



Brief Description:

Computer Lab provide students with hands-on learning opportunities, allowing them to apply theoretical concepts in a practical setting. Students typically involves hands-on exercises and experiments designed to reinforce theoretical concepts taught in class. The objective of the laboratory practical is to provide students with practical experience in applying computer science principles, algorithms, and techniques to solve real-world problems using programming languages, software tools, and computing systems. The laboratory session usually lasts for a few hours, depending on the complexity of the exercises and the availability of resources. The practical session consists of a series of structured exercises or tasks covering various topics in computer science

B. Renuka Devi
Signature of the Faculty



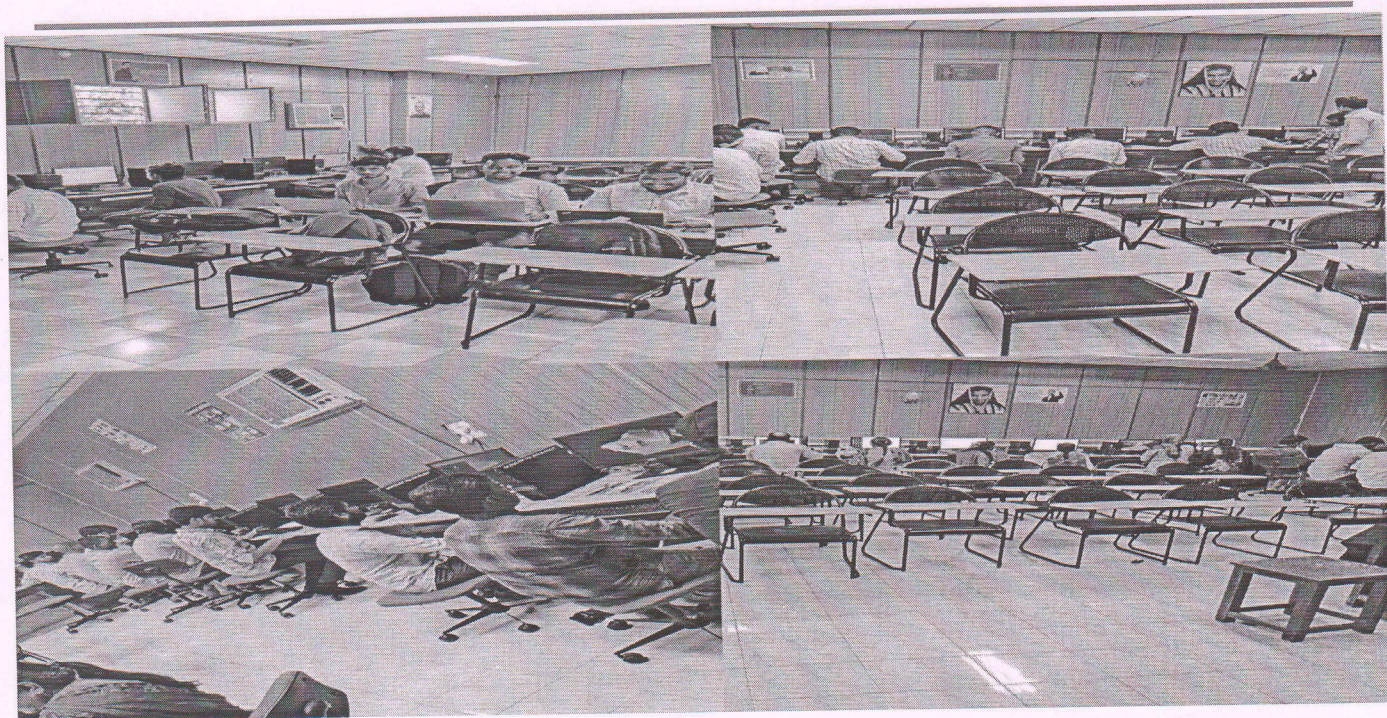
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AY: 2021-22

Experimental Learning

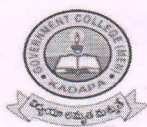
Name of the Faculty	: T Manohar Reddy
Organizing Department	: Computer Science
Title of the Activity	: Laboratory Practical
Date	: 06 th Sep 2021- 15 th Sep 2022
No. of Students Benefited	: 140
Activity conducted for	: III Sem MPCS, VI Sem Cluster, II Sem MSCS, IV MECS/MCCCS



Brief Description:

Students typically involves hands-on exercises and experiments designed to reinforce theoretical concepts taught in class. The objective of the laboratory practical is to provide students with practical experience in applying computer science principles, algorithms, and techniques to solve real-world problems using programming languages, software tools, and computing systems. The laboratory session usually lasts for a few hours, depending on the complexity of the exercises and the availability of resources. The practical session consists of a series of structured exercises or tasks covering various topics in computer science

Manohar Reddy
Signature of the Faculty
LECTURER
Dept. of Computer Science
Government College for Men
Kadapa - 516004



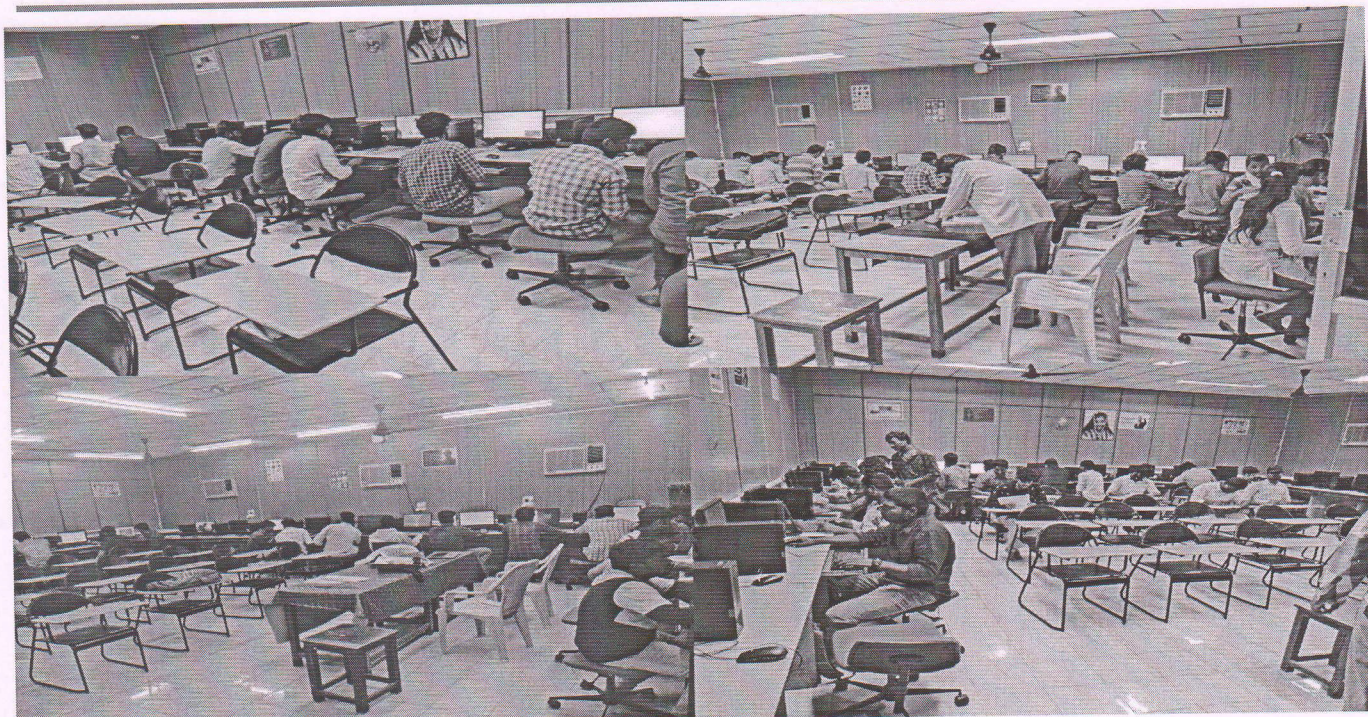
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AY: 2022-23

Experimental Learning

Name of the Faculty : T Manohar Reddy
Organizing Department : Computer Science
Title of the Activity : Laboratory Practical
Date : 20th Oct 2022 – 22nd May 2023
No. of Students Benefited : 125
Activity conducted for : III Sem MECS/MCCCS, V Sem MECS/MCCCS, IV Sem MSCS,
IV Sem B.Com CA



Brief Description:

Students typically involves hands-on exercises and experiments designed to reinforce theoretical concepts taught in class. The objective of the laboratory practical is to provide students with practical experience in applying computer science principles, algorithms, and techniques to solve real-world problems using programming languages, software tools, and computing systems. The laboratory session usually lasts for a few hours, depending on the complexity of the exercises and the availability of resources. The practical session consists of a series of structured exercises or tasks covering various topics in computer science.

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Signature of the Faculty

LECTURER
Dept. of Computer Science
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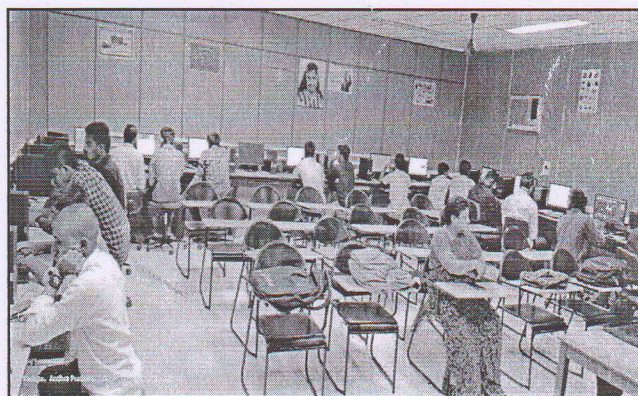
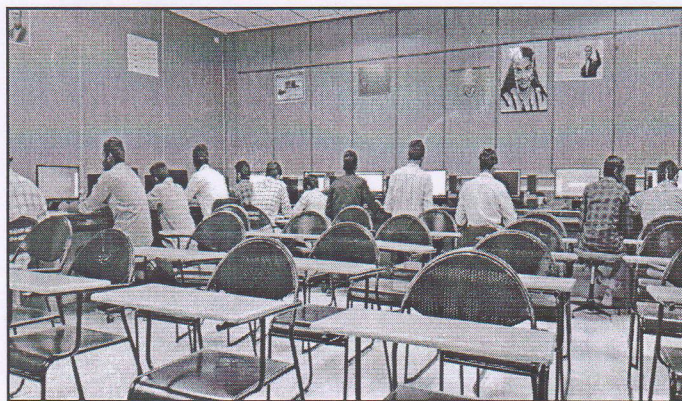
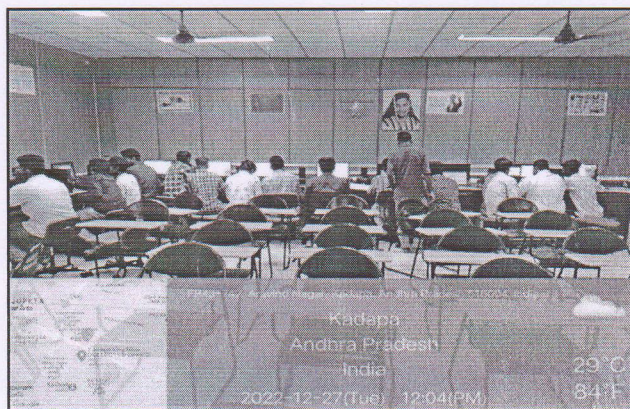
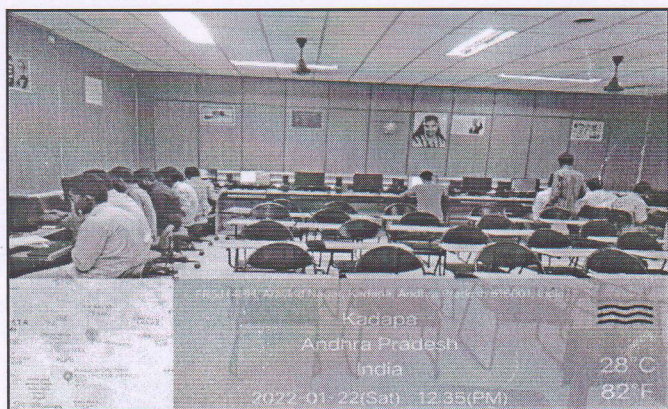
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AY: 2021-22

Experimental Learning

Name of the Faculty : M. GOVARDHAN
Organizing Department : Computer Science
Title of the Activity : Laboratory Practical
Date : 06-09-2021 to 19-10-2022
No. of Students Benefited : 128
Activity conducted for : II B.Sc., [MCCCS] and II Year BA[HECA], M. PCs., Students



Brief Description:

Computer science lab sessions help students put what they learn in class into practice. Students work on coding tasks, learn how to fix errors in programs, and get hands-on experience with databases and computer systems. These practical sessions teach them problem-solving and teamwork skills, preparing them for jobs in the IT industry. Students learn by doing, which helps them to understand complex concepts better and makes them ready for real-world challenges in software development.

M. Govardhan
Signature of the Faculty



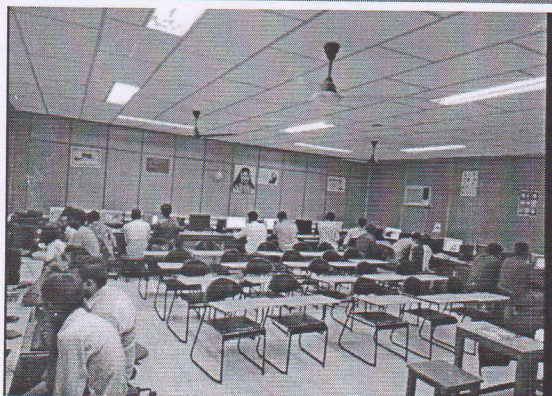
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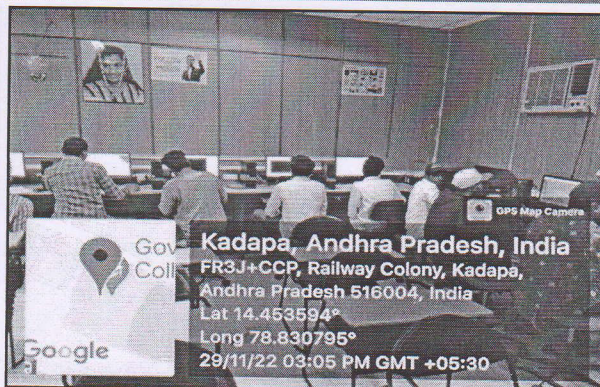
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Experimental Learning

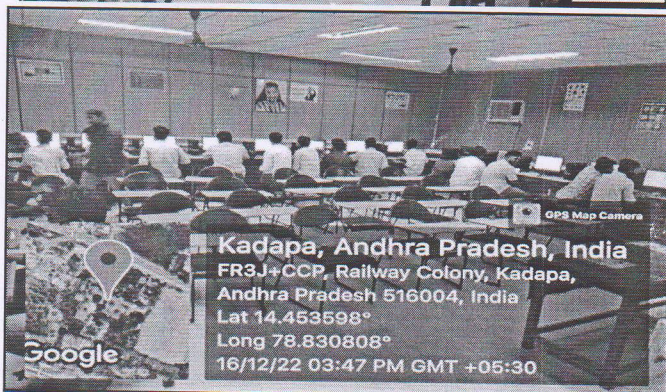
Name of the Faculty : M. GOVARDHAN
Organizing Department : Computer Science
Title of the Activity : Laboratory Practical
Date : 02-10-2022 to 31-08-2023
No. of Students Benefited : 150
Activity conducted for : I B.Sc., [MCCCS] and III Year BA[HECA], M.Sc., Students



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Andhra Pradesh 516004, India
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Long 78.830808°
16/12/22 03:47 PM GMT +05:30



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Brief Description:

Computer science lab sessions help students put what they learn in class into practice. Students work on coding tasks, learn how to fix errors in programs, and get hands-on experience with databases and computer systems. These practical sessions teach them problem-solving and teamwork skills, preparing them for jobs in the IT industry. Students learn by doing, which helps them to understand complex concepts better and makes them ready for real-world challenges in software development.

M. Govardhan
Signature of the Faculty



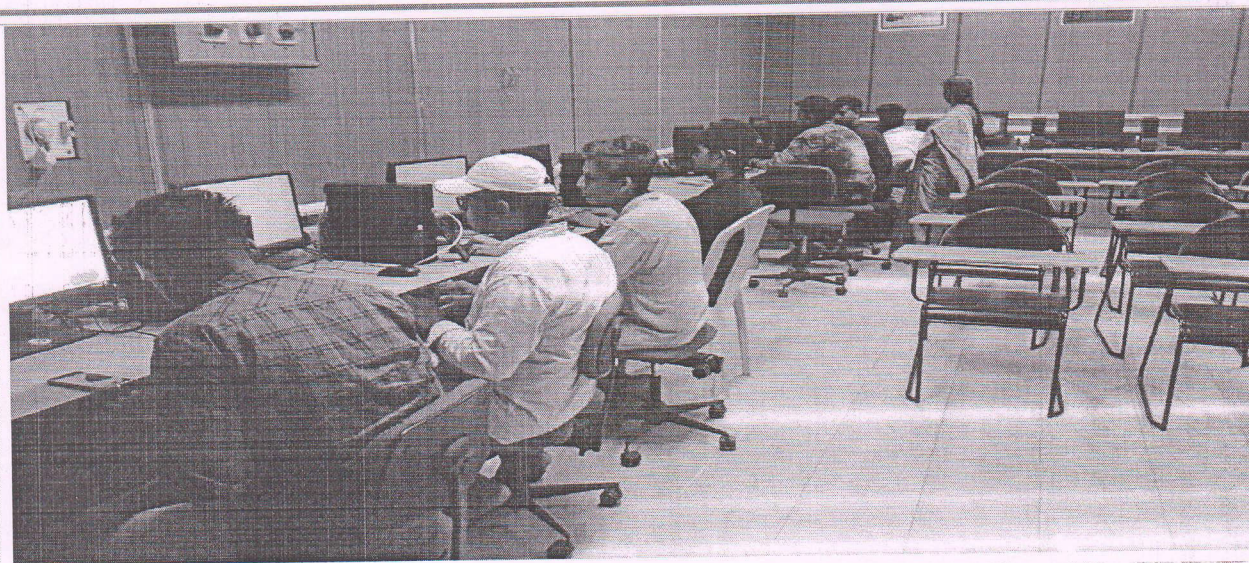
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AY: 2021-22

Experimental Learning

Name of the Faculty : B.Renuka Devi
Organizing Department : Computer Science
Title of the Activity : Laboratory Practical
Date : 13-07-2022
No. of Students Benefited : 10
Activity conducted for : II BA HECA



Brief Description:

Computer Lab provide students with hands-on learning opportunities, allowing them to apply theoretical concepts in a practical setting. Students typically involves hands-on exercises and experiments designed to reinforce theoretical concepts taught in class. The objective of the laboratory practical is to provide students with practical experience in applying computer science principles, algorithms, and techniques to solve real-world problems using programming languages, software tools, and computing systems. The laboratory session usually lasts for a few hours, depending on the complexity of the exercises and the availability of resources. The practical session consists of a series of structured exercises or tasks covering various topics in computer science

B. Renuka Devi
Signature of the Faculty



Government College for Men:: Kadapa
(NAAC Accredited at "B" Grade)
Andhra Pradesh-516004

Experiential Learning Report

AY: 2022-2023

Name of the Faculty	: ANITHA YARAVA
Organizing Department	: COMPUTER SCIENCE
Title of the Activity	: EXPERIENTIAL LEARNING
Date	: 29/11/2022
Year & Group	: III B.Sc.(M.PCs, M.E.Cs, M.C.C.Cs, M.S.Cs)

Brief Description:

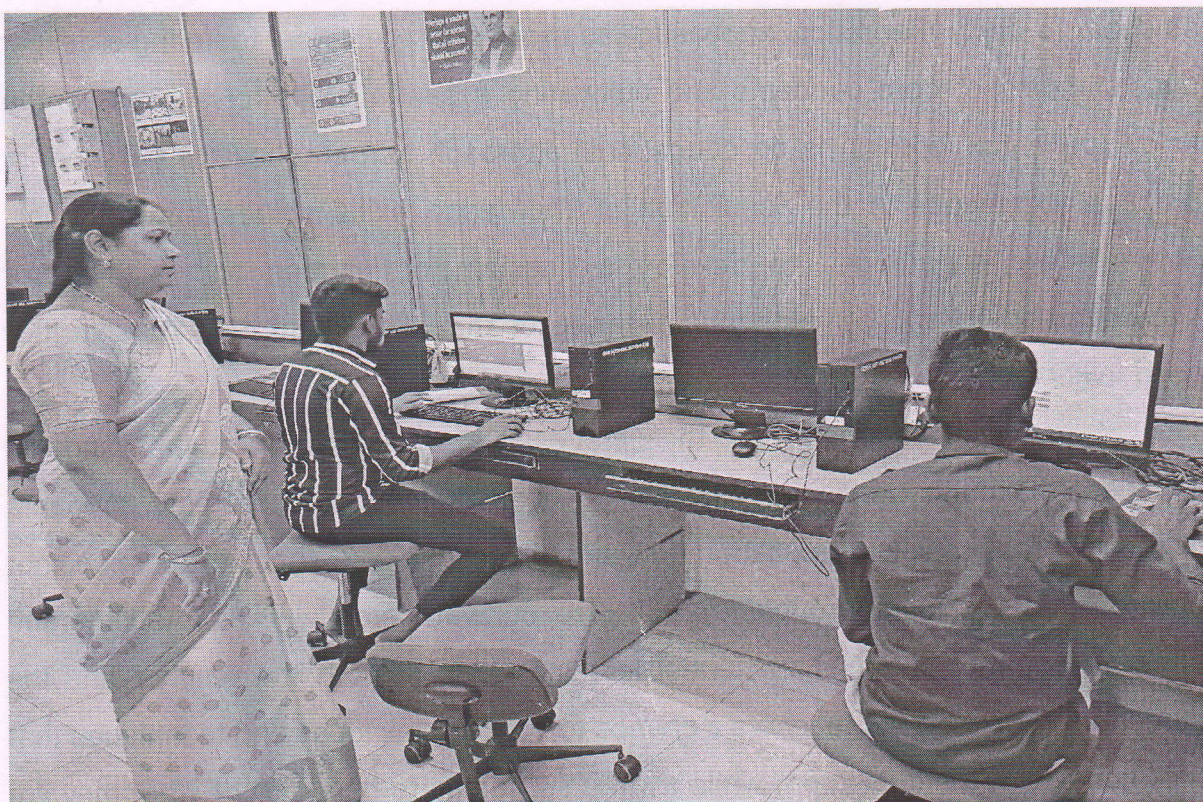
Computer science experiential learning is a dynamic approach that empowers students to apply theoretical knowledge to real-world scenarios, fostering a deeper understanding of core concepts and cultivating essential skills for success in the field. Experiential learning is an educational approach that emphasizes personal or practical experience in the acquisition of knowledge, skills, values, and attitudes. Students are encouraged to develop a passion for learning and a thirst for knowledge by engaging in authentic experiences that allow them to learn what they need to know.

Experiential learning is the process of learning through hands-on experience. Through hands-on activities such as project-based learning, students engage in problem-solving, collaboration, and critical thinking. These experiences not only deepen technical proficiency but also cultivate creativity, adaptability, and effective communication. Experiential learning benefits both the teacher and the student because it gives teachers a chance to explore new ideas and techniques that they can use in the classroom while allowing students to be a part of what they are learning in a way that is fun and beneficial for all involved



Coordinator

INSTALLING XAMPP SOFTWARE BY THE STUDENTS



Y. Nithya
Coordinator



Government College for Men:: Kadapa
(NAAC Accredited at "B" Grade)
Andhra Pradesh-516004

Experiential Learning Report

AY: 2021-2022

Name of the Faculty	: ANITHA YARAVA
Organizing Department	: COMPUTER SCIENCE
Title of the Activity	: EXPERIENTIAL LEARNING
Date	: 29/11/2022
Year & Group	: II B.Sc.(M.PCs, M.E.Cs, M.C.C.Cs, M.S.Cs)

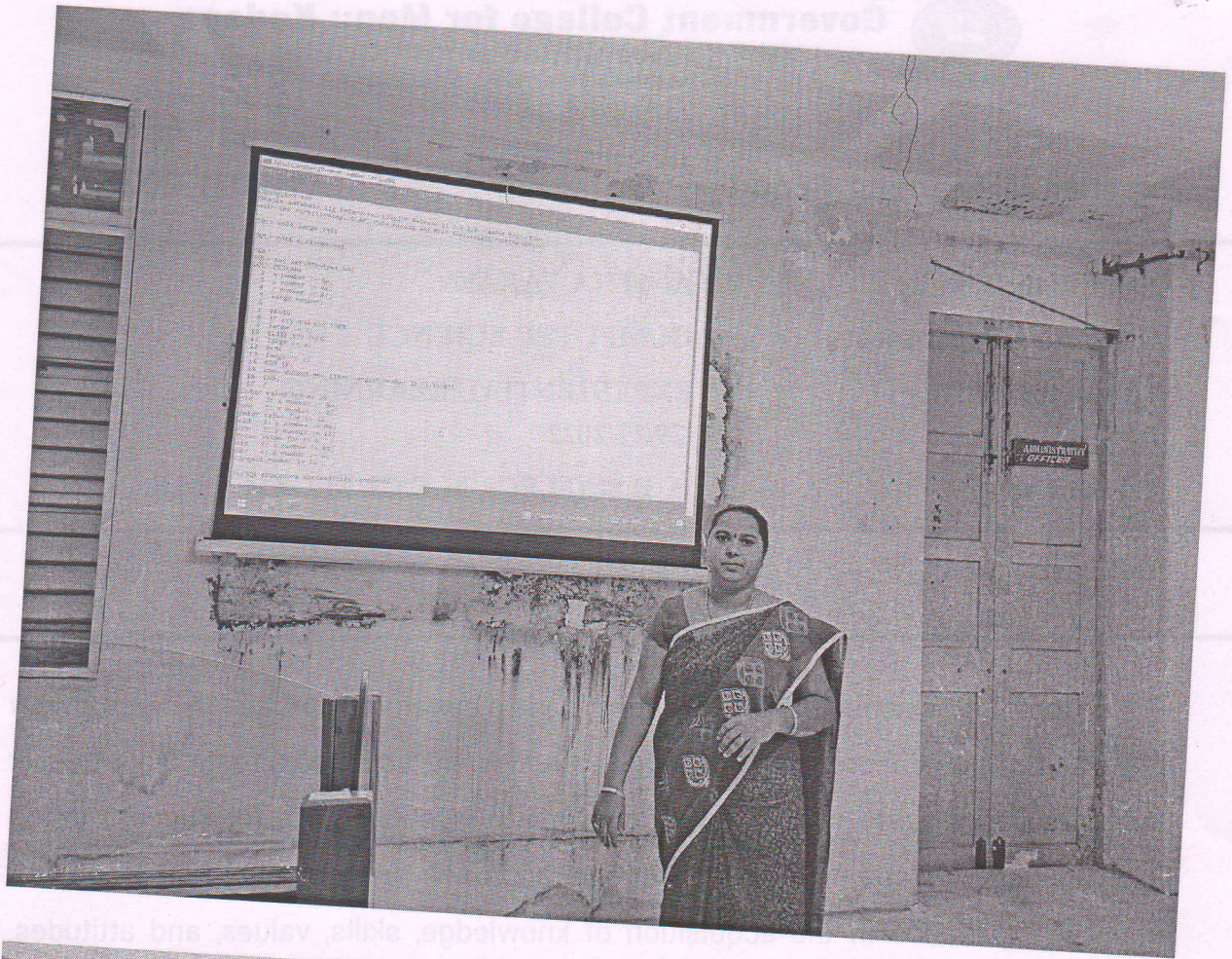
Brief Description:

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Coordinator

PRACTICAL DEMONSTRATION OF PROGRAM EXECUTION



Coordinator

Y. Nithya