22-23

CHIRALA
ENGINEERING COLLEGE
Awarded 'A' Grade by APSCHE,ISO 9001-2008 certified Institute
(Approved by AICTE and Affiliated to JNTUK - Kakinada)
Chirala, Prakasam District, Andhra Pradesh, India. Pin – 523157

Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

The Chirala Engineering College adopts a teaching strategy that emphasizes education delivery using a student-centric approach. Along with building students' confidence and fostering flexibility and creativity, this practice helps pupils move from being treated as passive recipients to active participants. It is impossible to fulfill the needs and expectations of individual students in a teacher-centered class and expect a consistent learning outcome from them all since students differ in their capacity for comprehension and absorption. The teacher encourages learning by ensuring that each student participates in class activities so that they can individually understand at their own level and process material at their own pace.

Chirala Engineering College offers an environment for students to build cutting-edge and practical knowledge, beliefs, and abilities that will help them behave appropriately. Every department runs creative initiatives that encourage students' imaginations, give them a place to practice their problem-solving techniques, and promote active learning. Through various technical events, the students can display their knowledge through creative projects. Competitions at the inter-college and national levels inspire students to take part.

Various Student centric instructional methods used are:

- Lecturing/ Tutorials
- Experiential Learning
- Participative learning
- Problem solving methods.

Chirala Engineering College focuses on the student-centric methods of enhancing lifelong learning skills of students and helps them to transform into professionals. Faculty members make efforts in making the learning activity more interactive by adopting the below mentioned student-centric methods in addition to Chalk & Talk Lectures, power point presentations and tutorials.

Experiential Learning	Participative learning	Problem Solving Methods
▪ Labs (Hands-on Sessions) ▪ Workshops/ Conferences/ Guest Lectures ▪ Learning by ICT Tools ▪ Field Exercises ▪ Projects	▪ Poster Presentations ▪ Paper Presentations ▪ Internships ▪ Assignments ▪ Online Assessments ▪ Seminars	▪ Quizzes ▪ E-Learning facility through NPTEL, etc.

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Experiential Learning:

- **Labs (Hands-on Sessions):**

Students are encouraged to get practical exposure by hands-on sessions and performing the exercises and experiments.

- **Workshops/ Conferences/ Guest Lectures:**

Apart from curriculum, we encourage our students to participate in the Workshops/ Conferences/ Guest Lectures.

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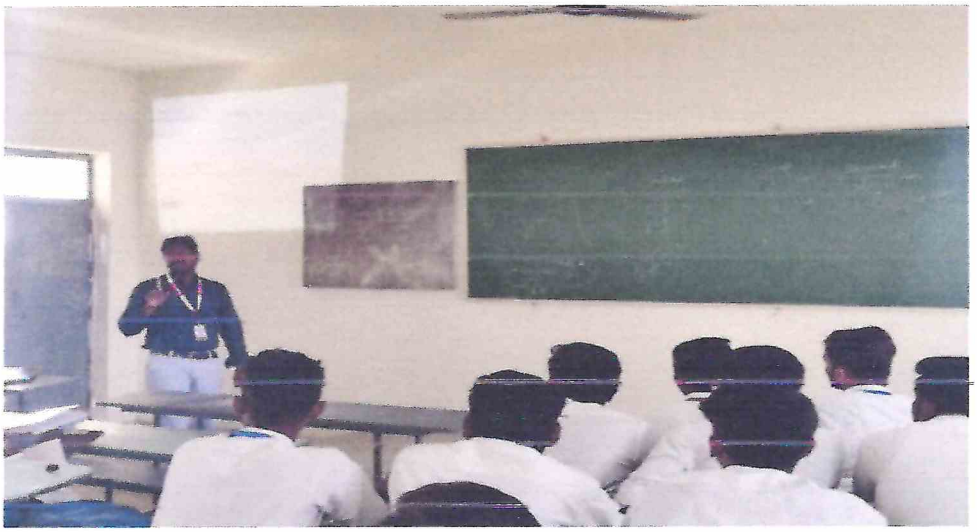
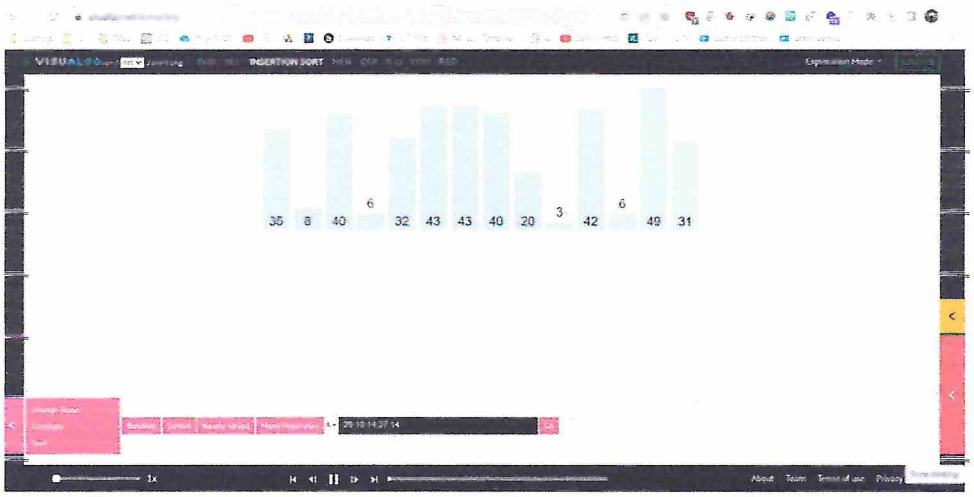
- **Learning by ICT Tools:**





Faculty utilizes Movable Projectors to make students to visualize the concepts by the form of presentations, websites, animations etc. to provide easy understanding

- **Field Exercises:**

Students Participation in Community Service Projects, Surveys, Various other activities etc.,

▪ Projects:

A Project report on

YOLOv4 AF: A NEW VEHICLE DETECTION AND CLASSIFICATION MODEL

BACHELOR OF TECHNOLOGY

IN

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BY

A.VENKATA KRISHNA REDDY	Regd. No. 19E91A0539
K.VAMSI KRISHNA.	Regd. No. 19E91A0537
D.PRUDHVI	Regd. No. 19E91A0522

UNDER GUIDANCE OF

MR. N.MOULALI, M.Tech
(Assistant Professor, CSE & IT Department)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CHIRALA ENGINEERING COLLEGE, CHIRALA (CECC-E9)

Ramapuram Beach Road, Chirala, PRAKASHAM (DIST) Andhra Pradesh, - 523157
(Affiliated to JNTUK, Kakinada)

2022-2023

CHIRALA ENGINEERING COLLEGE :: CHIRALA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that this is the Bonafide record of the Seminar Title YOLOV4 AF: A NEW VEHICLE DETECTION AND CLASSIFICATION MODEL is submitted by A.VENKAT KRISHNA. Regd. No.19E91A0539 K.VAMSI KRISHNA Regd. No. 19E91A0537 , , D.PRUDHVI Regd. No. 19E91A0522 of B. Tech in the partial fulfillment of the requirements for the part-I instructions of project in the degree of Bachelor of Technology from Computer Science and Engineering, to CHIRALA ENGINEERING COLLEGE, CHIRALA (CECC-E9), affiliated to Jawaharlal Nehru Technological University Kakinada (JNTUK) and this Bonafide work carried out by them.

Internal Guide

Head of the Department
Head of the Department
Department of C.S.E.
CHIRALA ENGINEERING COLLEGE
CHIRALA-523 157

EXTERNAL EXAMINER

Sample of Student Project work Thesis Reports.

Participative Learning:

▪ Poster Presentations:

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సమాజానికి ఉపయోగంగా సాంకేతికత ఉండాలి

వేటపాలెం, ఫిబ్రవరి 28 (కోస్తా సమయం) : సమాజానికి ఉపయోగపడేవిధంగా సాంకేతికత ఉండాలని, ఇప్పుడే దానికి సార్థకత అని చీరాల ఇంజనీరింగ్ కాలేజ్ ప్రిన్సిపాల్ డాక్టర్ పి. రవికుమార్ తెలిపారు. జాతీయ సైన్స్ దినోత్సవాన్ని పురస్కరించుకొని మంగళవారం చీరాల ఇంజినీరింగ్ కళాశాలలో వివిధ కార్యక్రమాలు నిర్వహించారు. పోస్టర్ ప్రజెంటేషన్, పేపర్ ప్రజెంటేషన్, ప్రాజెక్టు ఎక్సిబిషన్ వంటి కార్యక్రమాలలో విద్యార్థులకు పోటీలు నిర్వహించారు. అయా కార్యక్రమాలలో విద్యార్థులు ఉత్సాహంగా పాల్గొని తమ ప్రతిభను చాటారు. ఈ సందర్భంగా జరిగిన బహుమతి ప్రధానోత్సవ కార్యక్రమంలో రవికుమార్ మాట్లాడుతూ విద్యార్థులు సమాజానికి అవసరమైన నూతన అవిష్కరణల పట్ల ఆసక్తిని చూపాలని సూచించారు. అనంతరం వివిధ అంశాలలో విజేతలకు బహుమతులు ప్రధానోత్సవం చేశారు. ఈ కార్యక్రమంలో హెచ్ఓడీలు డాక్టర్ షేక్ బషీర, డాక్టర్ శ్రీకాంత్, డాక్టర్ సౌజన్య, డాక్టర్ శ్రీనివాసరావు, ప్రకాష్ రాజ్, విద్యార్థులు, అచార్యులు, సహాయ అచార్యులు పాల్గొన్నారు.

Organized Poster Presentation Event on the National Science Day (28-02-2023).

- **Paper Presentations:**

Occasionally we conduct Paper Presentation Sessions to unleash the potential of technology usage and creativity of the students.

- **Internships:**

YHills

INTERNSHIP

COMPLETION CERTIFICATE

OFFICIAL INTERNSHIP PARTNER

E-Cell
IIT Hyderabad

PROUDLY PRESENTED TO:

AKARAMSETTI MANOJ SAI

has successfully completed 2 months Internship from 01/04/2023 to 31/05/2023 in Web Development at YHills.

Certificate ID : YHI-5003021

15/06/2023
DATE

AMAN KUMAR, CO-FOUNDER

Internship Completion Certificate.

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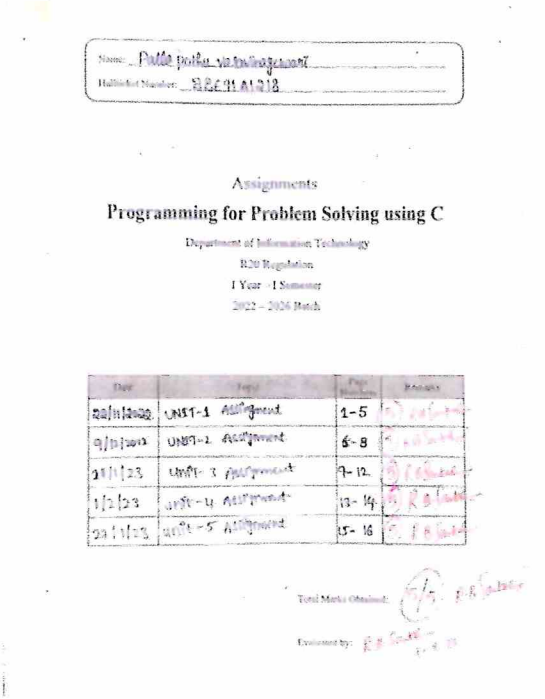
▪ Assignments:



Name: Pulla pothu vamsikrishna

Hallticket Number: 22EC31A1218

Assignments

Programming for Problem Solving using C

Department of Information Technology

R20 Regulation

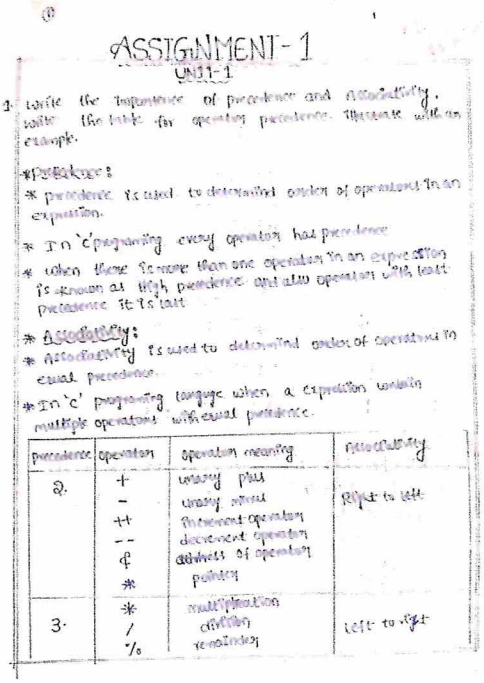
I Year - I Semester

2022 - 2026 Batch

Date	Topic	Page	Remarks
22/11/2022	UNIT-1 Assignment	1-5	
9/12/2022	UNIT-2 Assignment	6-8	
21/1/23	UNIT- 3 Assignment	9-12	
1/2/23	UNIT-4 Assignment	13-14	
23/1/23	UNIT-5 Assignment	15-16	

Total Marks Obtained:

Evaluated by:



ASSIGNMENT-1

UNIT-1

1. write the importance of precedence and associativity. write the table for operator precedence. illustrate with an example.

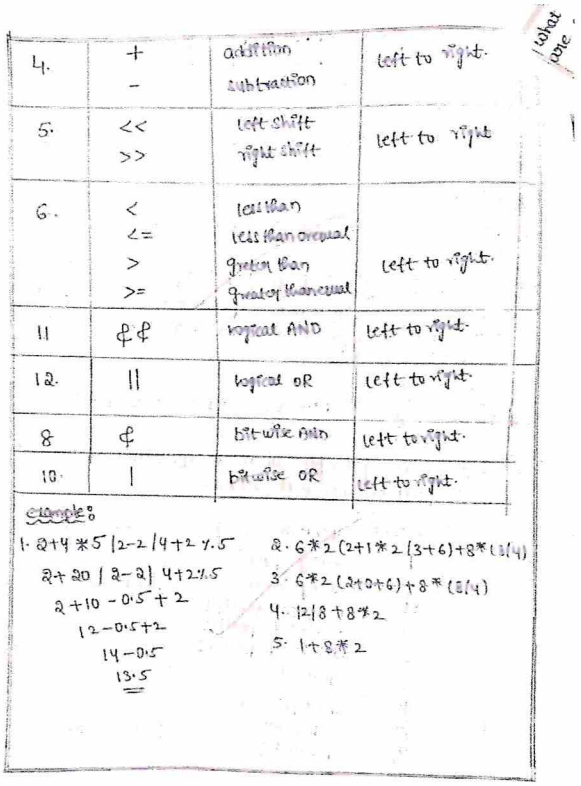
*Precedence:

* precedence is used to determine order of operators in an expression.
* In 'c' programing every operator has precedence
* when there is more than one operator in an expression it is known as high precedence and also operator with least precedence it is last

* Associativity:

* Associativity is used to determine order of operators in equal precedence.
* In 'c' programing language when a expression contain multiple operators with equal precedence.

precedence	operator	operator meaning	associativity
2.	+ - ++ -- & *	unary plus unary minus increment operator decrement operator address of operator pointer	Right to left
3.	* / %	multiplication division remainder	left to right



4.	+ -	addition subtraction	left to right.
5.	<< >>	left shift right shift	left to right
6.	< <= > >=	less than less than or equal grater than grater than or equal	left to right.
11	&&	logical AND	left to right.
12.	||	logical OR	left to right.
8	&	bit wise AND	left to right.
10.	|	bitwise OR	left to right.

example:

1. 2+4 *5 /2-2 /4+2 %.5

2+20 / 2-2 / 4+2%.5

2+10 - 0.5 + 2

12-0.5+2

14-0.5

13.5

2. 6*2 (2+1*2 (3+6)+8*(8/4)

3. 6*2 (2+0+6)+8*(8/4)

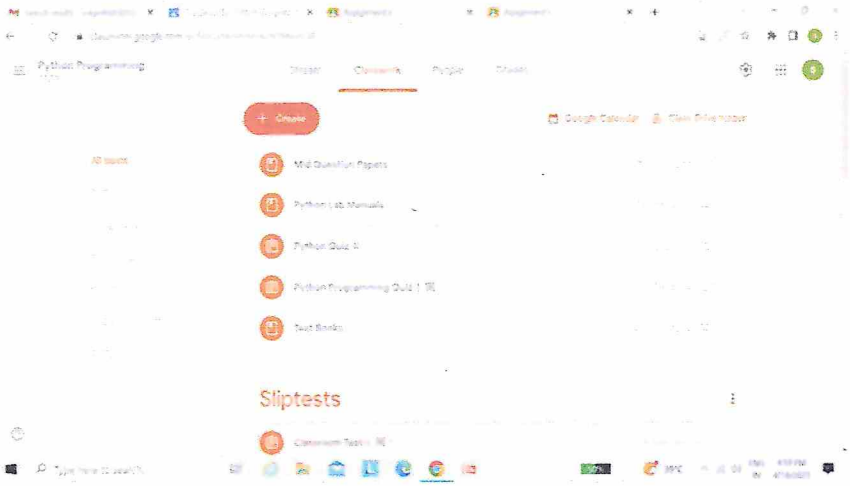
4. 12/8+8*2

5. 1+8*2

what are

After Completion of Each Unit, Faculty Assigns Some Questions as Assignments to the Students to check their levels of understanding and check creativity in presenting a topic on the paper.

- **Online Assessments:**



In Vacations, Faculty Assigns Some Questions as Assessments to the Students to check their levels of understanding and remembering via Google Classroom, etc..

- **Seminars:**

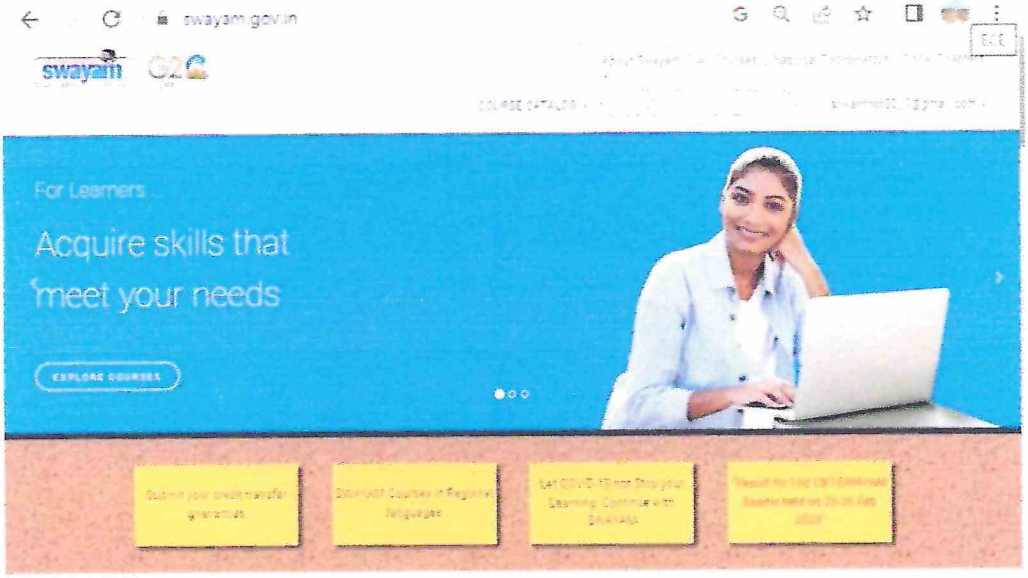
Regularly we conduct Seminar Sessions to unleash the speaking potential of students and enhance their communication skills.

Problem Solving Methods:

- **Quizzes:**

We Organize Quiz Competitions to Students and Make them to reveal their problem-solving skills and team building and leadership skills.

- **E-Learning Facilities:**



We Encourage our students to pursue Online Courses through various online portals such as Swayam/NPTEL/Coursera to learn new technologies and new challenges and to improve their problem-solving nature.

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