

GOVERNMENT DEGREE COLLEGE
KARVETINAGARAM, CHITTOOR (DT), A.P.



Criteria-7

7.2.1: Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

2017-18 to 2021-22

GOVERNMENT DEGREE
COLLEGE:KARVETINAGARAM

7.2.1 Rain Water Harvesting

INTRODUCTION

Rainwater harvesting is an important environment friendly approach. It is a Green Practice having double benefit of keeping the groundwater level undisturbed and charging the aquifer. Rainwater and run-off water, stored in a planned way, can save the earth from soil erosion and flood and recharge the aquifers to increase the groundwater level. The extensive and unplanned use of groundwater has not only disturbed the natural water level but also has made the groundwater contaminated and unfit for use. Collecting and harvesting rainwater and run-off water would reserve the water for future generation. Rainwater harvesting is eco-friendly and economical. The cost of digging a catchment area can be saved by roof-top collection of rainwater. The catchments and settlement tanks reduce the ground heat and act as a natural cooler. The best part of the practice of rainwater harvesting, is that if unused, this water can be collected in natural ponds or artificial tanks and decanted to the ground thus charging the a aquifer.

OBJECTIVES

To increase recharge of groundwater by capturing and storing rainwater, by rainwater harvesting from rooftop run-offs. Rainwater harvesting is one of the best method fulfilling those requirements as it increases the ground water level. Rainwater harvesting pit and ground water recharging system is constructed in our College near bore well point.

RAINWATER HARVESTING SYSTEMS AND ITS FEATURES

Rainwater Harvesting is a simple technique of catching and holding rainwater where it falls. Either, we can store it in tanks or we can use it to recharge groundwater depending upon the situation and requirement. Ease in constructing system in less time. Economically cheaper in construction compared to other sources, i.e. dams, diversion, etc. Rainwater harvesting is the ideal situation for those areas where there is inadequate groundwater supply or surface resources. Helps in utilizing the primary source of water and prevent the runoff from going into sewer or storm drains, thereby reducing the load on treatment plants

Methods Adopted in the College to recharge Ground Water:

In order to promote artificial groundwater recharge through rain water harvesting structures from roof top areas with recharge pit is provided over and across the premises.

A recharge pit allows the rainwater to replenish groundwater by recharging the underground aquifers. It can be built to recharge a bore well or just to help the water infiltration in an area.

College has installed 1 rain harvesting pit in the college campus during the month of August, 2021.

The common Procedure to construct the pit involves a 4 stage Process:

Stage 1: Digging a pit with required dimensions

Stage 2: Filling the 3/4th of the pit with black stone which does not absorb any water.

Stage 3: Constructing Cement Rings around the pit

Stage 4: Filling up the remaining 1/4th of the pit with 30mm metal stone.



GPS Map Camera



Chittoor, Andhra Pradesh, India
19/08/2021 Chittoor Puttur Rd, Andhra Pradesh
517583, India
Lat 13.427329°
Long 79.452264°

SOLID WASTE MANAGEMENT

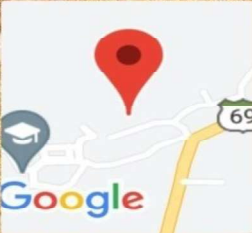
OBJECTIVES

The main objective of the solid waste management system in the campus is to promote the Environment Management and Conservation in the College Campus. The purpose of the current available system is

- To identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards.
- To introduce and aware students to real concerns of environment and its sustainability
- To secure the environment and cut down the threats posed to human health by analyzing the pattern and extent of resource use on the campus.
- To establish a baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requires high cost.
- To bring out a status report on environmental compliance.
- Composting and recycling are the methods adopted by the institute.

IMPLEMENTATION

The total solid waste collected in the campus is 100 Kgs during the year 2021-22. Waste generation from tree droppings is a major solid waste generated in the campus. However it also includes papers and bottles which is segregated at source by providing separate dustbins for Bio-degradable and Plastic waste. The recycled solid waste is handed over to the local panchayath for further usage.



GPS Map Camera

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GRAMPANCHAYATH, KARVETINAGARAM

CERTIFICATE OF APPRECIATION

We sincerely thank the Administration of **Government Degree College, Karvetinagaram** for participating and implementing Solid Waste Management.

Government Degree College, Karvetinagaram has implemented Solid Waste Management in an environment friendly manner and diverted 100 Kgs of waste from landfill to recycling during the year 2021-22.

Let us continue to Recycle Waste and Save Environment.




PANCHAYAT SECRETARY
GRAMPANCHAYAT
KARVETINAGARAM - 517 502

Date: 21/12/2021

KARVETINAGARAM

GOVERNMENT DEGREE COLLEGE
KARVETINAGARAM

Information and Communication Technology (ICT) Based
Teaching and Learning

OBJECTIVES OF THE PRACTICE

ICT is an umbrella term that includes any communication device or application, encompassing: radio, television, cellular phones, computer and network hardware and software, satellite systems and so on, as well as the various services and applications associated with them, such as videoconferencing and distance learning. ICT, or information and communications technology (or technologies), is the infrastructure and components that enable modern computing. The present curricula for ICT in education aim at realizing the goals of the National Policy of ICT in Schools Education and the National Curriculum Framework. The college has a uniquely conceived mission to provide a unique socio-economic status to the graduate students. The main objective of this practice is ensuring the students to learn prescribed curriculum with very effective way to get the knowledge. College has improved the ICT based facility in teaching and learning process stepwise in last five years. The goal of Information and communication technology is to fulfill the gap between traditional method and innovative method of teaching and learning.

THE PRACTICE

Required tools for Information and Communication Technology based teaching learning is made available with, computers, LCD projectors (4), Smart Boards (4), internet (with 80 Mbps Speed) , Wi-Fi, G-Suit etc. Power point presentations on different topics are prepared by faculty members of their respective subjects. They delivered the lectures through PPT's. Online teaching is being also continuously performing from Covid-19 pandemic period through webcam by using G-Suit, Teachment, Google meet etc. Many of the classes carried on mobile set through Google meet, when work from home was allotted.

EVIDENCES OF SUCCESS

The College has adequate IT facility including Wi-Fi for strengthening the teaching and learning process. The college is equipped with 100 computers, useful software with an antivirus protection. All the members of teaching faculty up-dated in technology based teaching during the last five year. Recently in Covid-19 pandemic period they learned about online teaching. Teachers became capable to handle the software's and create the online class through G-Suit and Google meet.

S.No	Date	Time	Name of the faculty	Subject	class	Topic covered	# students present	Signature of the staff Member
25	24/3/22	10-12pm	P. Lavanya	CS	I B.sc	Project report develop	17	P
26	24/3/22	2-3pm	P. Lavanya	CS	I B.sc	Types of functions	16	P
27	25/3/22	10:30AM to 11:20	v. manigam	AA	II B.com	Gannor vs murray	43	v. manigam
28	24/3/22	10-11am	P. Lavanya	CS	II B.sc	Revision to PL/SQL	16	P
29	28/3/22	11-12pm	P. Lavanya	CS	I B.sc	Return statm c.	18	P
30	29/3/22	10-11am	P. Lavanya	CS	II B.sc	PL/SQL trigger revision	14	P
31	30/3/22	10am	P. Lavanya	CS	I B.sc	Call by value example	18	P
32	30/3/22	11-12pm	P. Lavanya	CS	II B.sc	ER diagrams revision	17	P
33	31/3/22	10:45 to 11:10	v. manigam	BOM	II B.com	Project report	43	v. manigam
34	31/3/22	10:10-10:45	G. Bhargava	IT	I B.com	PowerPoint presentation	43	G. Bhargava
35	31/3/22	11:11:30	C. Madhusudani	Physics	II B-sc	viscosity of gases	40	C. Madhusudani
36	1/4/22		Dr. Principal	Business Skills	2 nd B.com	Rankeo Relation	42	SVN
	1/4/22		Principal	FA	I st B.com	financial Accounting	40	SVN
37	11/4/22	10-11	P. Lavanya	CS	II nd B.sc	PL/SQL Triggers	17	P
38	11/4/22	11-12	P. Lavanya	CS	I st B.sc	Recursive functions	18	P
39	16/4/22	10-11	P. Lavanya	CS	II nd B-sc	Printer And Prmatic pointer	17	P
40	16/4/22	11-12	P. Lavanya	CS	II nd B-sc	Revision to Relation algebra	14	P
41	18/4/22	10-11	Dr. Latha	English	I B.A	Concord	18	L
42	18/4/22	10-11	P. Lavanya	CS	II nd B.sc	Normal forms revision	17	P
43	18/4/22	11-12	P. Lavanya	CS	I st B.sc	Arrays with pointer	23	P
44	19/4/22	10-11	P. Lavanya	CS	II nd B.sc	Previous Quea revision	17	P
45	19/4/22	11-12	J. Vishwanya	Economics	II nd B.A	Economics develop	15	J
46	19/4/22	12-1	J. Vishwanya	Economics	I B.A	Theory of Interest	20	J
47	19/4/22	10-11	G. Bhargava	Computer net	III B.com	Introduction to	40	G. Bhargava
48	19/4/22	11-12	G. Bhargava	"	"	Tally E-commerce	42	G. Bhargava
49	19/4/22	12-11	G. Bhargava	Computer net	II nd B.com	Different types of	47	G. Bhargava
50	19/4/22	12-11	Dr. J. Babu	Computer App		Constructors		
50	19/4/22	12:1	Dr. J. Babu	Computer Application	I st B.com	Trial Balance	45	J
51	19/4/22	2-3	Dr. J. Babu		II nd B.com	management Accounting	32	J

Sr. No.	Date	Time	Name of the faculty	Subject	class	Topic covered	# Students Present	Signature of the staff Member
2	20/4/22	11 AM	P. Venkatesh	Telugu	1st Y	HRPE	90	P. Venkatesh
3	20/4/22	10-11	G. Bhogari	Tally	III rd B.Com	Company creation	37	G. Bhogari
4	20/4/22	12-1pm	G. Bhogari	E-com	III rd B.Com	E-business Application	37	G. Bhogari
5	20/4/22	2-3	G. Bhogari	E-com	III rd B.Com	advantages of	34	G. Bhogari
6	20/4/22	3-4	G. Bhogari	Tally	III rd B.Com	E-commerce Ledger creation	34	G. Bhogari
7	17/6/22	12-1pm	M. Rajasekh	Physics	IV	Electron model	2	M. Rajasekh
8	18/6/22	11-12pm	P. Lavanya	OS	III rd B.Sc	OS introduction	17	P. Lavanya
9	21/6/22	11-12pm	P. Lavanya	DS	I st B.Sc	Data organization	13	P. Lavanya
10	22/6/22	2-3pm	P. Lavanya	Java	III rd B.Com	Dynamic Binding	46	P. Lavanya
11	24/6/22	2-3pm	P. Lavanya	DS	I st B.Sc	Arrangement of data	14	P. Lavanya
12	27/6/22	10-11am	P. Lavanya	OS	III rd B.Sc	operation of OS	14	P. Lavanya
13	29/6/22	10-11am	P. Lavanya	Java	III rd B.Sc	Architecture of JVM	15	P. Lavanya
14	29/6/22	12-1	J. Venu	June	I st B.A	Debit & Credit	15	J. Venu
15	30/6/22	10-11am	P. Lavanya	OS	III rd B.Sc	Types of OS	14	P. Lavanya
16	01/7/22	12-1pm	P. Lavanya	Java	III rd B.Com	Naming Conventions	38	P. Lavanya
17	04/7/22	10-11am	P. Lavanya	Java	III rd B.Sc	in Java, literals	14	P. Lavanya
18	5/7/22	2-3pm	P. Lavanya	Java	III rd B.Sc	variables in Java	42	P. Lavanya
19	6/7/22	10-11pm	P. Lavanya	Java	III rd B.Sc	datatypes in Java	15	P. Lavanya
20	11/7/22	4-5pm	P. Lavanya	DS	I st B.Sc	Big O notation	15	P. Lavanya
21	12/7/22	11-12pm	P. Lavanya	DS	I st B.Sc	SDLC & Refinement stages	16	P. Lavanya
22	13/7/22	2-3pm	P. Lavanya	Java	III rd B.Com	operator in Java	42	P. Lavanya
23	14/7/22	11-12pm	P. Lavanya	DS	I st B.Sc	Types of Arrays	15	P. Lavanya
24	06/08/22	12-1pm	Jogi Prasad	phy. Edu	I B.A	Individual Events Judo, Athletics	02	Jogi Prasad
25	17/08/22	2-30pm	Jogi Prasad	phy. Edu	I B.Sc	Shotput, Triple Jump	05	Jogi Prasad
26	18/8/22	11-12pm	P. Lavanya	Computer	I B.Sc	Priority Queue	16	P. Lavanya

PRINCIPAL

Digital Lab Register ³

January - 2022

Date : - 19-01-2022
 Time : - 11 a.m
 Department : - English / J.K.C
 Faculty : - Dr. C.N. LATHA
 Topic : - Positive Attitude
 class/group : - T B.A

Signature of the Students -

- | | |
|-------------------------|------------------|
| 1. K. Anitha | 14. D. Mohan ram |
| 2. T. Anushka | 15. Siva Mani. p |
| 3. G. Ssilatha | 16. T. Pavithra |
| 4. C. Muni gurus Prasad | 17. A. Sireesha |
| 5. N. Deepa | 18. C. Bunny |
| 6. G. Bangaramma | 19. P. Rojaby |
| 7. V. Gopi | 20. T. Palkar |
| 8. P. Gayathri | 21. S. Deepa |
| 9. T. Roopa | |
| 10. P. Sekhar | |
| 11. C. Mani | |
| 12. P. G. Madhavi | |
| 13. P. Neenakshi | |

C.N. Latha
19/01/22

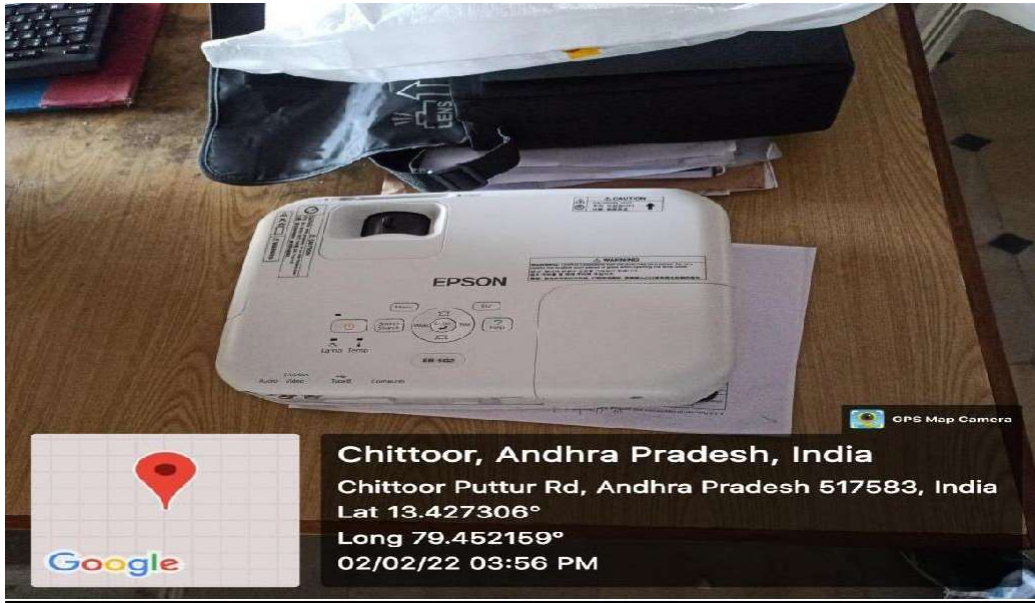
T. Chelva

S.No	Name	Subject	Topic Covered	Designation	Date	No. of Student attended	Signature
1	P. Lavanya	Computer Science (Java)	Interfaces	Teacher	1/9/22	14	P
2	P. Lavanya	Data Structures	Spanning Tree	"	2/9/22	13	P
3	P. Lavanya	Operating Systems	Memory Management	"	3/9/22	15	P
4	P. Lavanya	Data Structures	Spanning Tree	"	2/9/22	13	P
5	P. Lavanya	Operating Systems	Memory Management	"	3/9/22	15	P
6	P. Lavanya	Operating Systems	Memory Management	"	3/9/22	15	P
7	P. Lavanya	Operating Systems	Memory Management	"	3/9/22	15	P
8	M. Likhith Pal	Data Structures	Difference between Abstract Data Types	"	04/09/22	12	M. L.
9	S. Nalveen Kumar	"	Big 'O' Notation.	"	05/09/22	09	M. L.
10	E. Tarun	"	pointers and Arrays	"	06/09/22	08	S. Nalveen Kumar
11	G. Rajkumar	"	Atomic Linked List	"	07/09/22	11	E. Tarun
12	P. Sankar	"	Stack as an Abstract Data Type	"	08/09/22	12	G. Rajkumar
13	G. Rajkumar	"	priority Queues	"	09/09/22	10	P. Sankar
14	D. Saikrishna	"	Properties of Binary Trees.	"	10/09/22	09	G. Rajkumar
15	K. Nareesh	"	Spanning Trees.	"	11/09/22	14	D. Saikrishna
16	M. Yashanti kumari	"	An Introduction	"	12/09/22	17	K. Nareesh
17	M. Suman male	Operating systems	Refinement Stages	"	13/09/22	18	K. Nareesh
18	P. Bhavya	Data structures	System programs	"	14/09/22	13	M. Suman male
19	S. Saranya	Java	Deadlock prevention	"	15/09/22	10	P. Bhavya
20	G. Anitha	Operating systems	Types of inheritance	"	16/09/22	09	S. Saranya
21	M. Naga Raj	Java	Abstract method and Abstraction	"	17/09/22	07	G. Anitha
22	K. Lakshmi narasana	Operating systems	Throwing an Exception	"	18/09/22	05	M. Naga Raj
23	N. T. J.	Data structures	Security policy Mechanism.	"	19/09/22	03	K. Lakshmi narasana
24	M. KIRANAKISHORE	Java	Binary Tree Traversal	"	20/09/22	09	N. T. J.
25	N. Ganesh	Java	Multi Tasking	"	21/09/22	12	M. KIRANAKISHORE
26	K. Chandu	Operating System	Processors	"	22/09/22	14	N. Ganesh
27	K. Chandu	Operating System	Processors	"	23/09/22	13	K. Chandu
28	K. Chandu	Operating System	Processors	"	24/09/22	16	K. Chandu

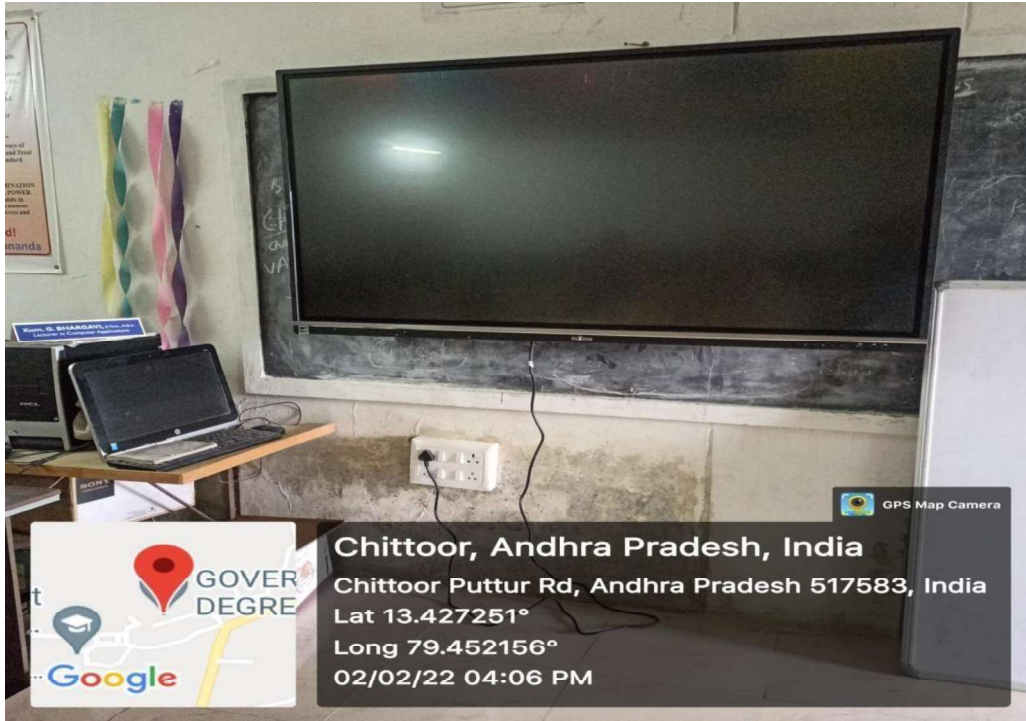
GOVERNMENT DEGREE COLLEGE:KARVETINAGARAM

INFRASTRUCTURE & PHYSICAL FACILITIESLCD

PROJECTORS



SMART BOARDS





COMPUTER LABS

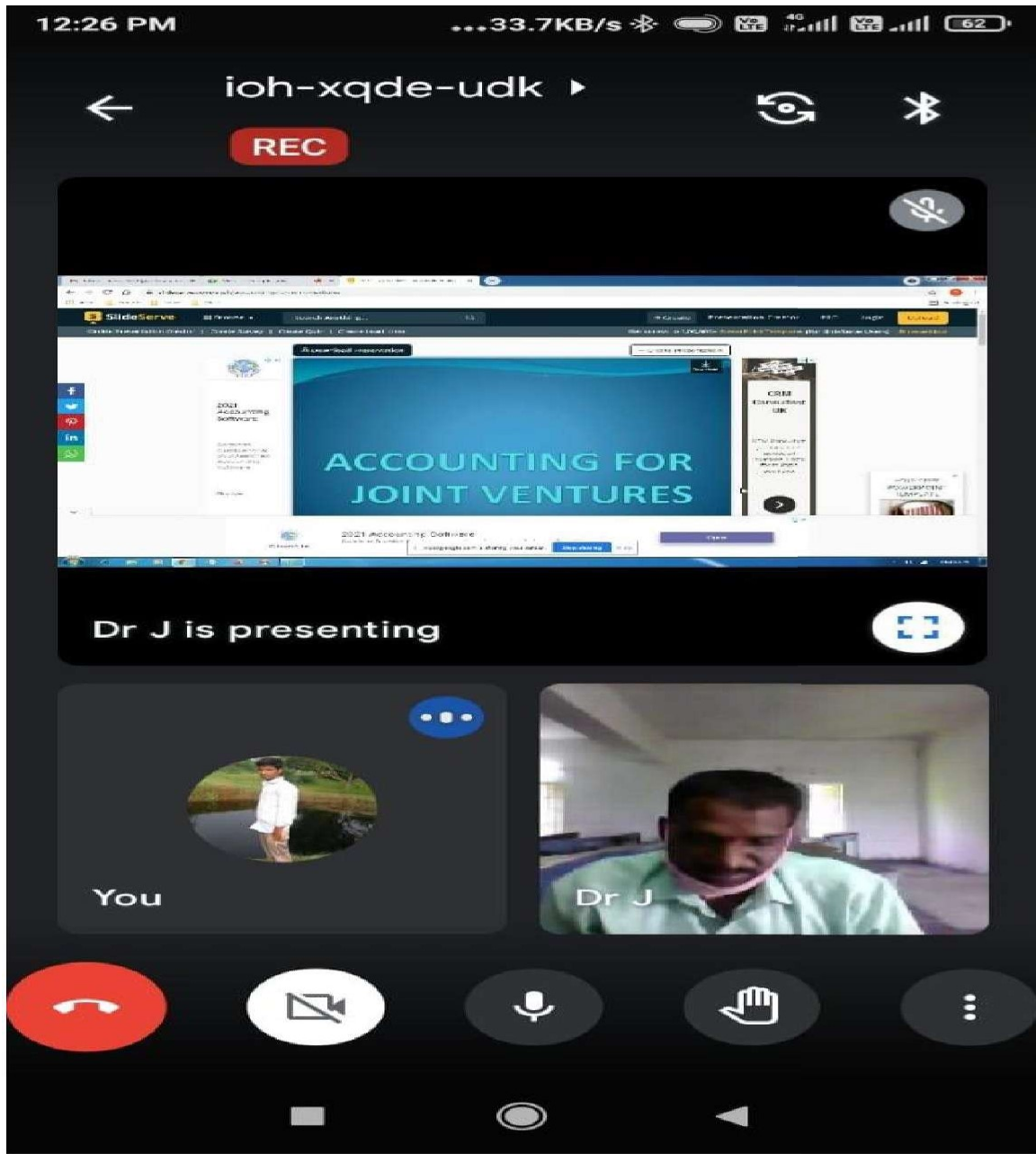


JKC/ELL LAB



ICT TEACHING





S. M. J.
PRINCIPAL
Govt. Degree College
KARVETINAGAR - 517582
Chittoor Dt. A.P.