



SRI A B R GOVERNMENT DEGREE COLLEGE

Repalle, Bapatla Dt. 522 265

Accredited by NAAC with 'B' Grade, Affiliated to Acharya Nagarjuna University



BEST PRACTICE USE OF ICT TOOLS IN TEACHING AND LEARNING PROCESS

Title: Use of ICT tools in teaching and learning process

Objectives of the practice:

- ✓ To access the information throughout the Globe and to extract extensive knowledge on subject through ICT.
- ✓ To implement, analyze, practice a better method of learning to student and using ICT for better communication by presenting in teaching.
- ✓ To use ICT Tools for effective utilization of educational resources both in teaching and learning processes.
- ✓ To provide the possible solutions to overcome the drawbacks in rural and semi urban areas of Govt. degree colleges and also for providing extra efforts.
- ✓ To share the study material among the students and staff.

Context:

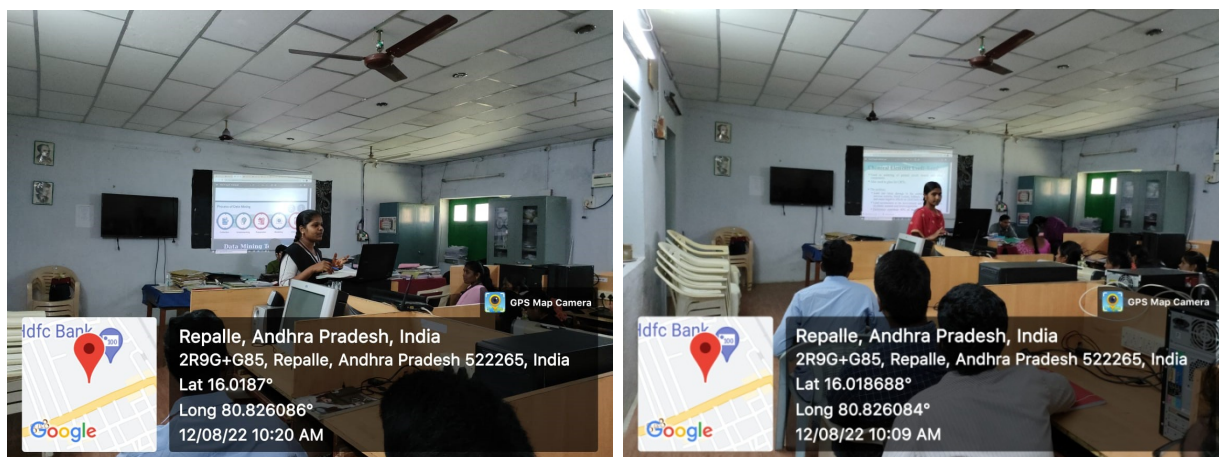
Digital transformation of educational resources and communication technologies is a major reason for utilization of ICT and ICT Tools in 21st century. It has incredibly changed the nature of accessing information throughout the Globe. The technology penetrated into the common man's hand through mobile devices for 24X7 services for enhancement of knowledge.

The ICT (Information and Communication Technology) including not only well equipped ICT class rooms but also e-mails, websites, social networking sites for the purpose of teaching and learning process for accessing student at any time and any place during the pandemic periods too.

The Practice:

The Technology in the class room help educators to get more students for effective involvement, improve practical skill and most importantly make learning fun. The faculty is encouraged to undergo training programmes of MOOCs, MOODLE, ICT tools in teaching and learning process sponsored by Commissioner of Collegiate Education, Andhra Pradesh.

- In the effort of self learning, students are also encouraged to prepare presentations using the power point during their seminars.



Student seminars with power point presentations

- In the evaluation process, students are encouraged to participation in usage of ICT tools like plickers, kahoot!, quizzes for internal evaluation.



Formative assessment by G. Raviteja

- Faculty skill enhancement programme on ICT tools was conducted for faculty for maximum utilization of ICT and ICT Tools at the time of teaching process.



ICT tools training programme for faculty – G Raviteja as a resource person

Evidences of Success:

- ✚ The entire faculty in the department of computer science conducted Quizzes using Plickers for formative assessment.



Students using Plickers ICT tool

- ✚ Smt. A.V. Kavitha and Sri. G. Raviteja organized one day workshop for all faculty on “ICT Tools” to enhance the knowledge and usage of ICT tools for all streams.



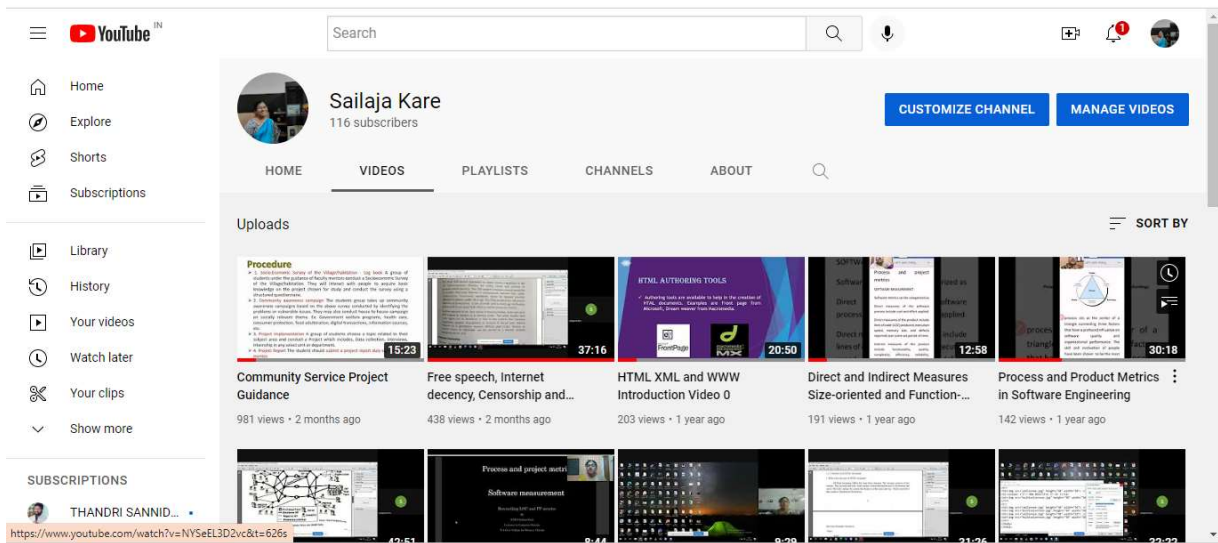
- ✚ Smt. A.V. Kavitha and Sri. G. Raviteja involved in the development of video lessons to provide educational videos under the initiative of CCE.



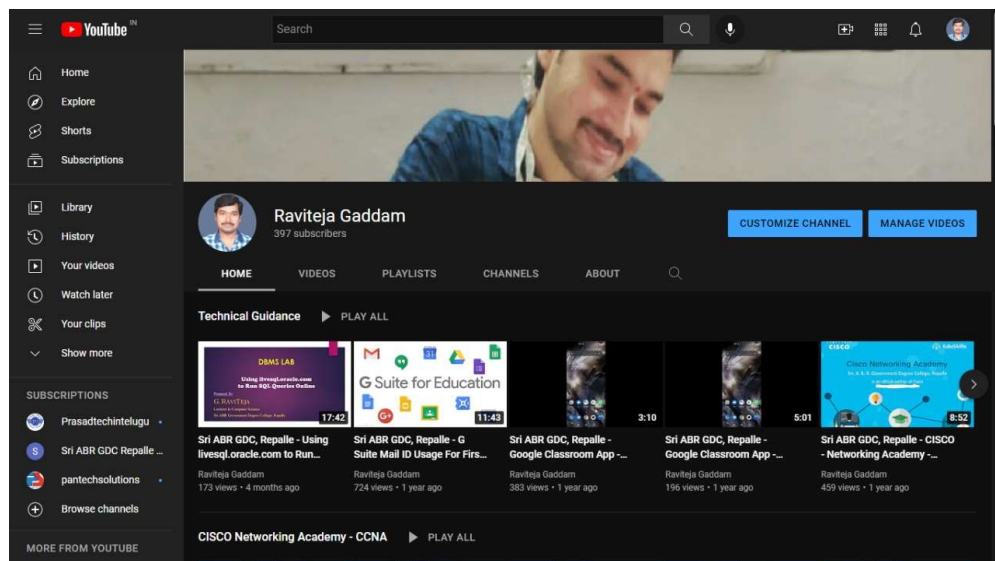
Mana TV live telecast by A V Kavitha

Smt. K.M.S. Sailaja Rani and Sri. G.Raviteja maintaining youtube channels consisting of educational videos not only curricular but also extracurricular.

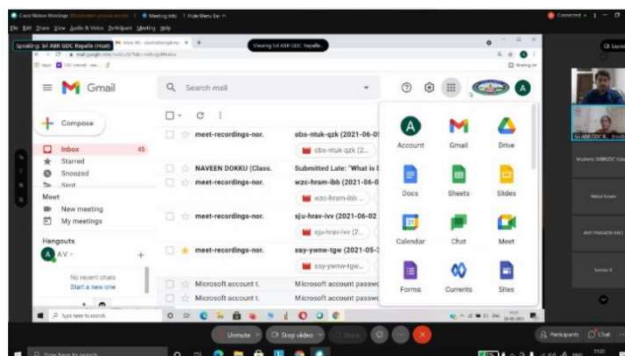
Youtube Channel of KMS Sailajarani



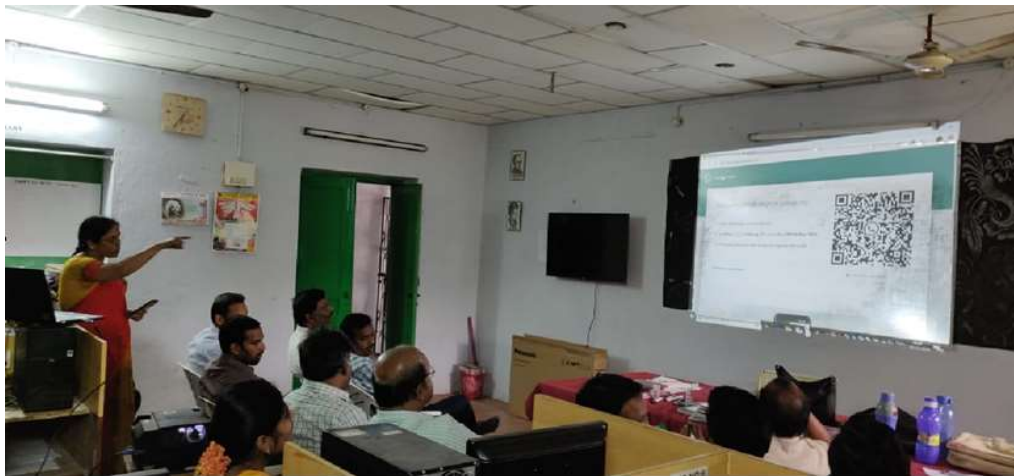
Youtube channel by G Raviteja



Department of computer science trained all the staff to take the classes through Google suite and virtual labs.

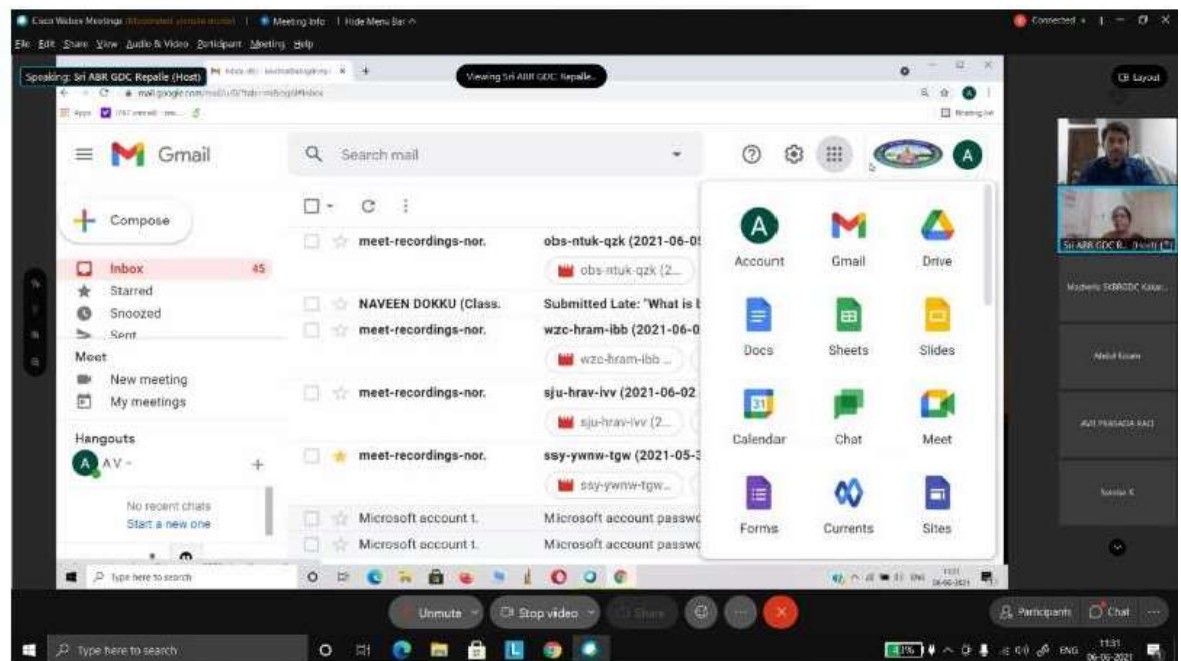


- ✚ **Smt. A.V. Kavitha trained the staff that how to connect whatsapp to laptop and computer to share information from mobile to system**



Smt. A.V Kavitha as a resource person

- ✚ **All the teaching staff are conducted online classes through Google Suite. Recorded videos shared through WhatsApp groups during covid-19 pandemic.**



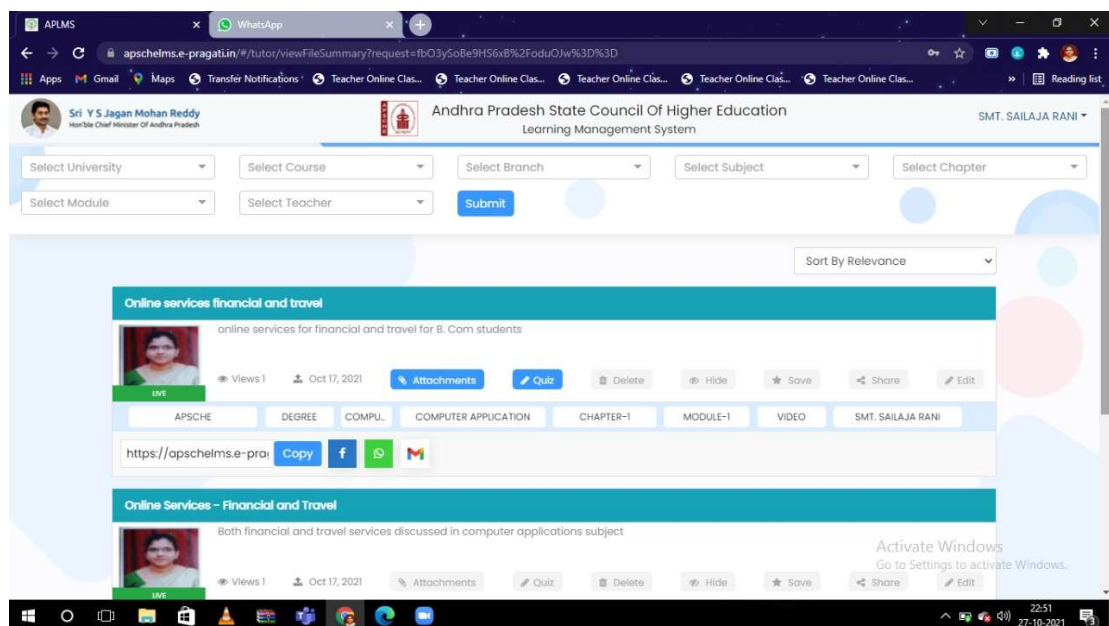
Online workshop on google class and virtual labs

- ✚ Smt A.V Kavitha and G.Raviteja are the content creators for MANA TV live telecasts. Their video lessons are available in CCE-LMS portal to download as a ICT tool.



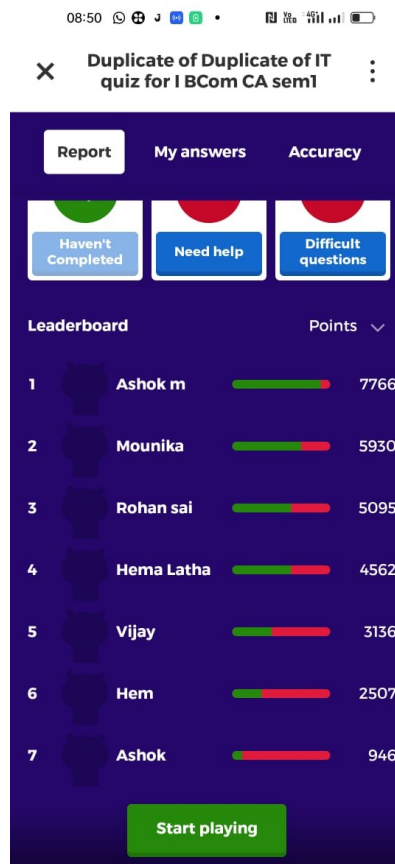
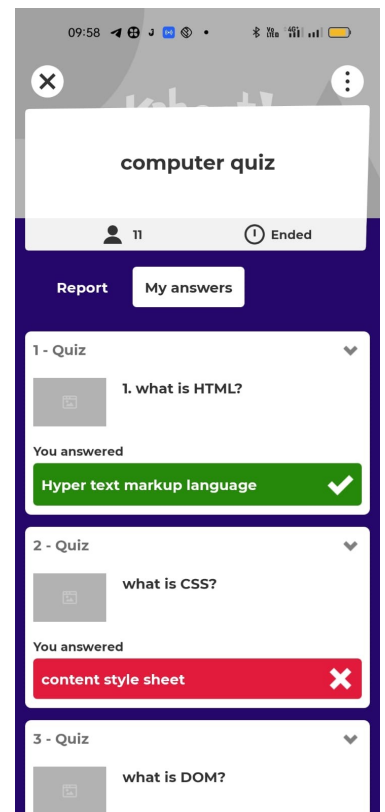
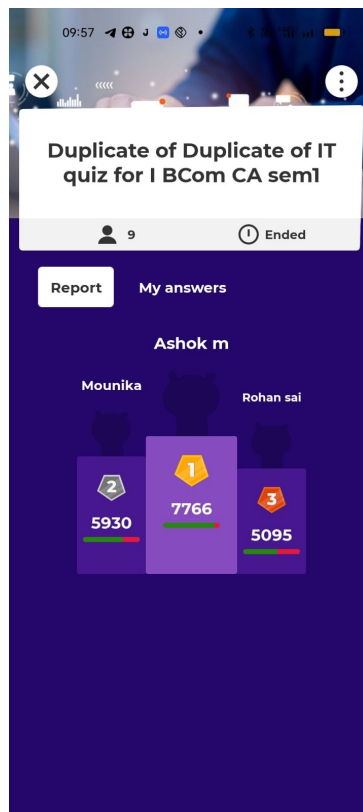
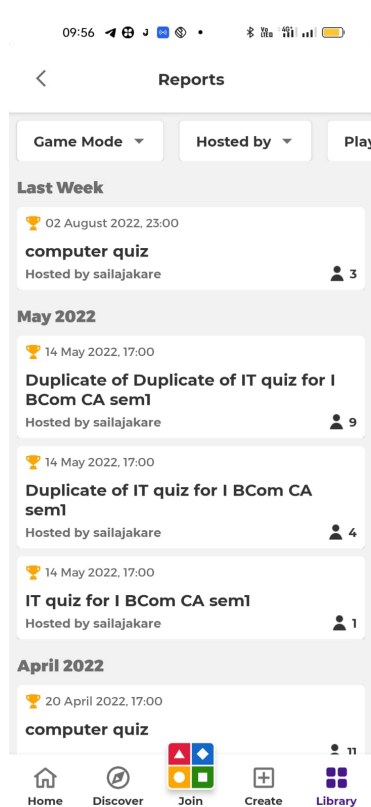
Mana TV live by G Raviteja

- ✚ Smt. K.M.S. Sailaja Rani involved in the development of “Podcasts” to provide audio lessons under the combined initiation of CCE and APSCHE, AP.



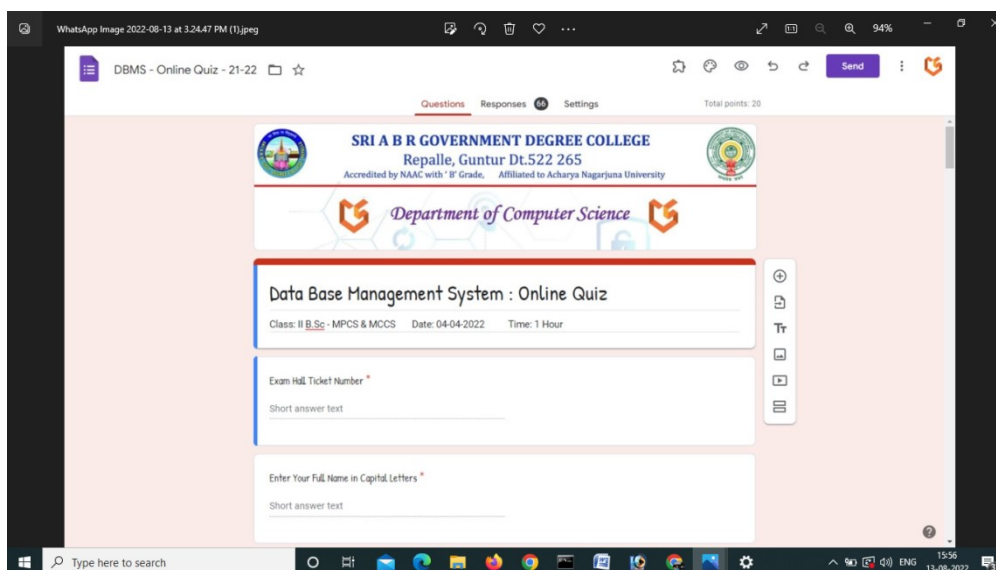
Podcast ICT Tool developed by K.M.S Sailaja Rani in APSCHE site

🇮🇳 Smt. K.M.S. Sailaja Rani used the Kahoot! Tool for internal evaluation.



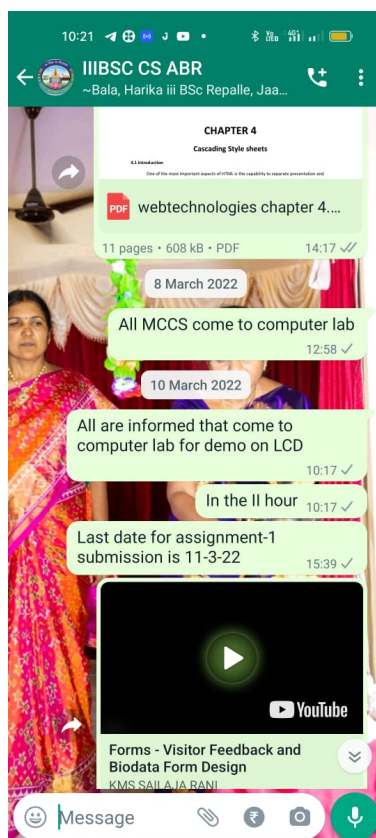
Kahoot! Quizzes developed and used by K M S Sailaja Rani as ICT tools

- 🧩 All the staff of department of computer science used the Google docs to create QUIZZES for evaluation and awareness on technology and facts related to computer science for both computer and non computer students.



Designed Quiz for internal evaluation by G.Raviteja

- 🧩 Developed e-content and e-material as per the curriculum, was shared through whatsapp groups for reference to the students.



Sharing of e- resources through whatsapp group by KMS Sailaja Rani

- Some students are attended the Internships in virtual environment and get the certificates.



Student done Internship on virtual mode

- Sri. G Raviteja has been conducting cisco certificate courses using the video lessons and online exams in virtual mode.

Students completed cisco online certificate course





Corporate
Social
Responsibility

Cisco Networking Academy

Certificate of Course Completion

Introduction to IoT

The student has successfully achieved student level credential for completing Introduction to IoT course administered by the undersigned instructor. The student was able to proficiently.

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.

- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.

BHARATH THUNUGUNTLA

Student

Sri. A. B. R. Government Degree College, Repalle

Academy Name

India

Location

RAVITEJA GADDAM

Instructor

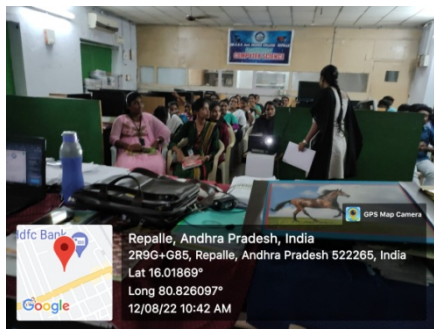
27 Feb 2021

Date

Instructor Signature

Samle certificate for online cisco certificate course

🚦 All the faculty are using the LCD projectors and PPT's for efficient presentation and easy understanding of lessons to students.



Problems Encountered and Resources required:

Commissioner of collegiate education provided the ICT classroom equipment for usage of ICT. Computer systems, mobiles, social media, Wi-Fi and Internet facilities, Google suite are the back bone to ICT environment for collaborating the student and teacher in online through ICT tools. Commissioner of collegiate education arranged so many FDP's to fulfill the drawbacks of usage of ICT tools.

Even though a lot of benefits with ICT teaching and learning, the remote rural students are not able to reach the goals. Poor students are still unable to utilize ICT due to lack of equipment like android phones and internet or unlimited Wi-Fi.

Notes:

All the activity can be available through links as an evidence of record for further analysis and as a proof for ICT usage. Review of records can give the comparative studies and statistical analysis on ICT and ICT tools.
