REPORT on IT facilities with internet connections

The CSTSGK has taken a quantum leap in **digital infrastructure** to remain on the leading edge as a knowledge based community, leveraging **e resources** with the help of RUSA 2.0 funding for digital infrastructure like **computer systems**, **wi.fi facilities**, internal resources based college website, free **apps** like **DIKSHA**, institutions' **youtube channel**, departmental **blogs**, APCCE (commissionerate of collegiate education's) **educational LMS** (learning management system) resources, free online **edx** certificate courses, **INFLIBNET subscription** based online access to various e resources, **NPTEL SWAYAM, free LAPTOPS from** government of Andhra Pradesh for specially abled students, **online free class room platforms** like teachmint, zoom, google classroom, cisco webex etc., google forms for **internal evaluation** needs, AdiKaviNannayya University exams' **online question papers** for the distribution during semester end exams with the help of ISR/CSR/college fund based printers, Xerox machine, JKC jawahar knowledge centre, ELL English language lab, whatsapp groups of students/staff and finally, paid **bulk sms** facility for admissions work, proposed **NKN** (national knowledge network) connection for the benefit of the institution,

1. To overcome the challenges faced by the pandemic, the teaching pedagogy had to depend on IT infrastructure. This transformation was possible due to our strong Wi-Fi-enabled campus with **3 Wi-Fi Access Points** to create a networked community with the motto "Learning Anytime Anywhere," through BSNL NETWORK. CSTSGK campus is proposed to be on National Knowledge Network (NKN), with high-speed Wi-Fi. CSTSGK has an internet connection with a bandwidth of more than 433 Mbps from BSNL. These are managed by office staff with the help of Department of Computer Science. Maximum speeds on servers are: Maximum Download and Upload speed Mbps and Mbps.

2. To conduct online webinars, workshops, and meetings for a large number of participants, online **G SUITE version** was purchased by the institution. Different departments of the institution like Telugu and English have had 5 parallel online sessions during their international and national seminars with the help of the efficient digital infrastructure of the institution.

3. CSTSGK has been using various online tools to have Online Internal Assessment Module, to calculate cumulative marks for tests/quizzes and attendance given to each student, online uploading of course-wise and paper-wise study Material for Students at the CSTSGK Portal.

4. **DIKSHA APP** has been introduced to the student community for better understanding and self assessment on various topics useful for competitive/academic examinations and specific purposes like consumer club activities (plus . CSTSGK proposes to build an app for uploading study materials, notes, quizzes, and video links by teachers from their respective faculty login at the college website. The study materials and quiz scores can be accessed by students through the registered logins of the proposed App.

5. **10/216V Online UPS** With **150AH Batteries** were installed in the Academic Block Computer Labs.

6. One web Camera and conference Microphone and Speaker are used for online meetings through any software platform like Zoom, MS-teams, and Cisco Webex. AHUJA sound system is placed along with the public address system for institution level communication purposes and college radio purposes. Community radio is proposed for the professional development of the students. Important places of the institution is being covered by the digital cameras of the internal security system. A proposed students' study project with the help of AI tools to identify the students with identity cards at the entrance gate automatically is going to be adopted soon.

SITUATIONAL ANALYSIS:

- The college has been benefitted from the RUSA 2.0 programme, as it was sanctioned with 50 computer systems which were in turn placed in COMPUTER SCIENCE AND COPUTER APPLICATION LABS.
- Nearly 28 computer systems of English language lab (ELL) were recently upgraded with new OAS in the year 2024.
- Wifi has been available in campus.
- 4 interactive digital boards have been provided in English, commerce, computers labs and one in seminar hall.
- TALLY WITH GST software provided by the alumni of B.Com group

- **SPSS software package** for social sciences software is available in the campus in the department of economics for the benefit of social science
- student to take up various surveys and analysis of data in addition to the existing **M.S.Excel.**
- **CSTS GDC you tube channel** has been helpful, exclusively during COVID time periods and now working effectively with**450 subscribers and 1k videos to help the student community.**
- **Department of economics' blog i.e., cstseconomics.blogspot.com and its butterfly economist app are available and circulated**

Outcomes:

- B.Sc (Computer science) and B.Com (computer applications) groups students could benefit to a large extent with the help of RUSA 2.0 funding support to acquire 50 latest computer Systems along with UPS and wall mounted fans.

- Systems in ELL English language lab are highly beneficial for the non computer background B.A students and they could learn fundamentals like website searching, PPT preparation, typing etc.,

- Admissions work, university fee payment by the students are now possible with the existing ICT structure in office and in campus.

- Teaching learning activities are strengthened by the existing ICT facilities in the campus ex. access to online references, websites, journals, LMS, online examinations through google forms etc,

SYSTEMS CONFIGURATION:

NEW RUSA 2.0 SYSTEMS

SYSTEM MODEL	HP PRO DESK 405 G6 DESKTOP MINI
OS NAME	MICRO SOFT WINDOWS 11 PRO
SYSTEM NAME	DESKTOP M3C16CS
PROCESSOR	AMD RYZEN 3 PRO 3200 GE, VEGA GRAPHICS 3300 MHZ 4 CORE (S)
RAM	8.00 GB

ELL English Language Lab Systems

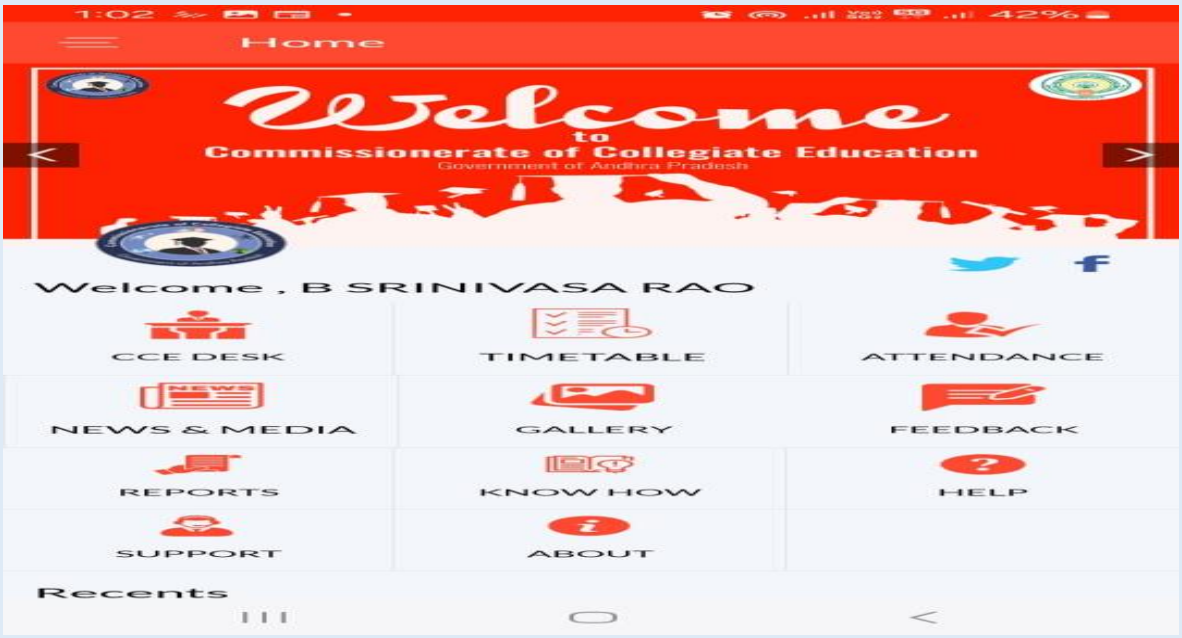
SYSTEM MODEL	DELL - PC
OS NAME	MICRO SOFT WINDOWS 7 ULTIMATE
SYSTEM NAME	DELL - PC
PROCESSOR	INTEL ® CORE (TM) 13-4160 CPU @ 3.60 GHZ 3600 MHZ 2 CORE (S) 4 LOGICAL PRO
RAM	2 G.B.

WIFI ROUTER

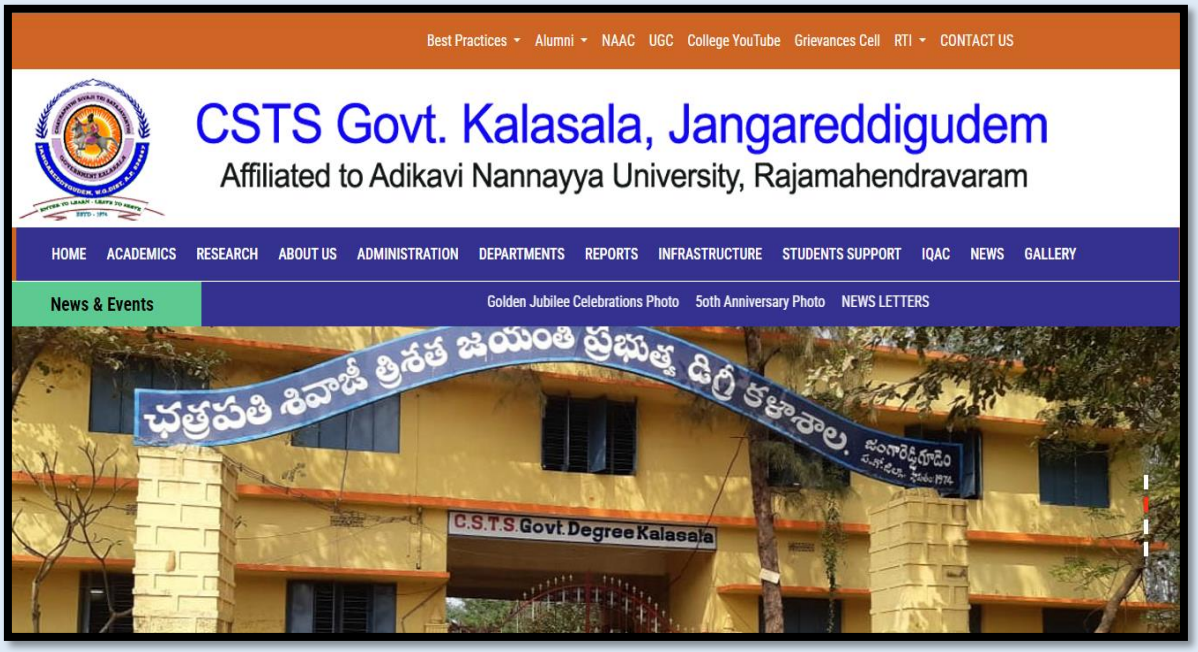
WIFI SPEED:-433.3Mbps

WIFI PROVIDING PORT NAME:-GDC RUSA BAND WIDTH SPEED

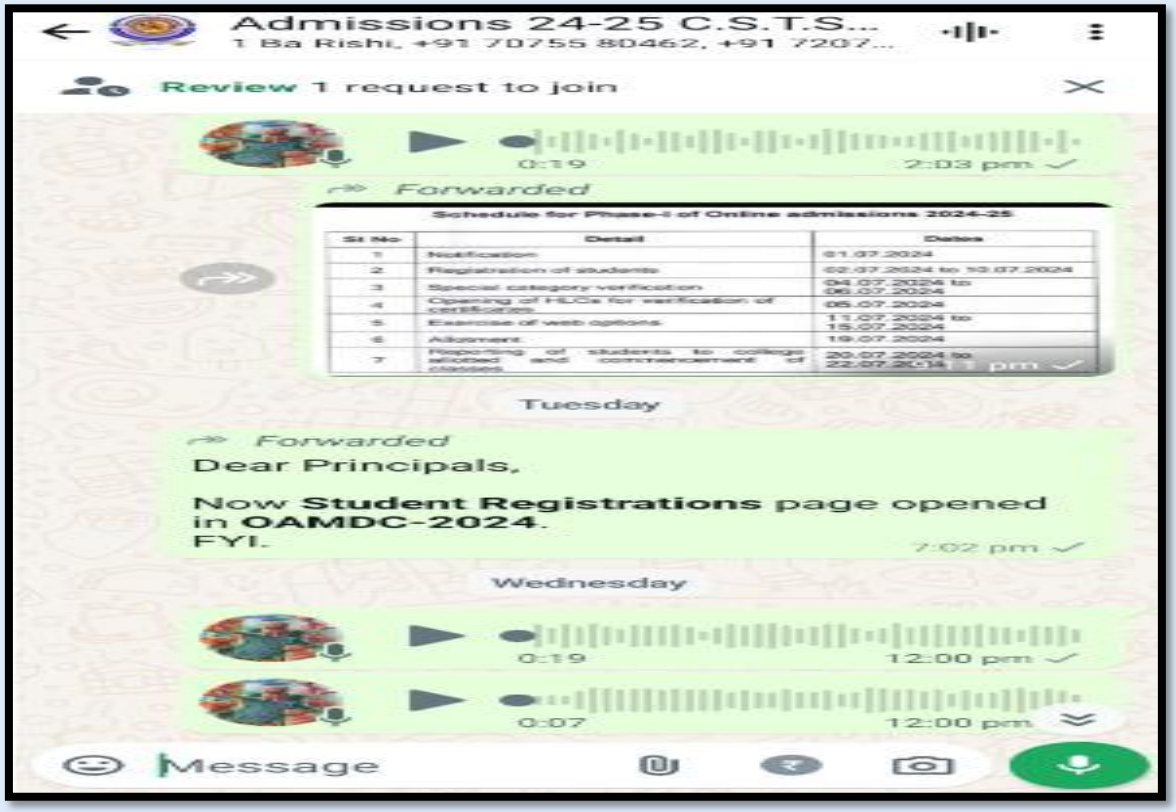
(FRS) **FACE RECOGNITION SYSTEM ONLINE ATTENDANCE**



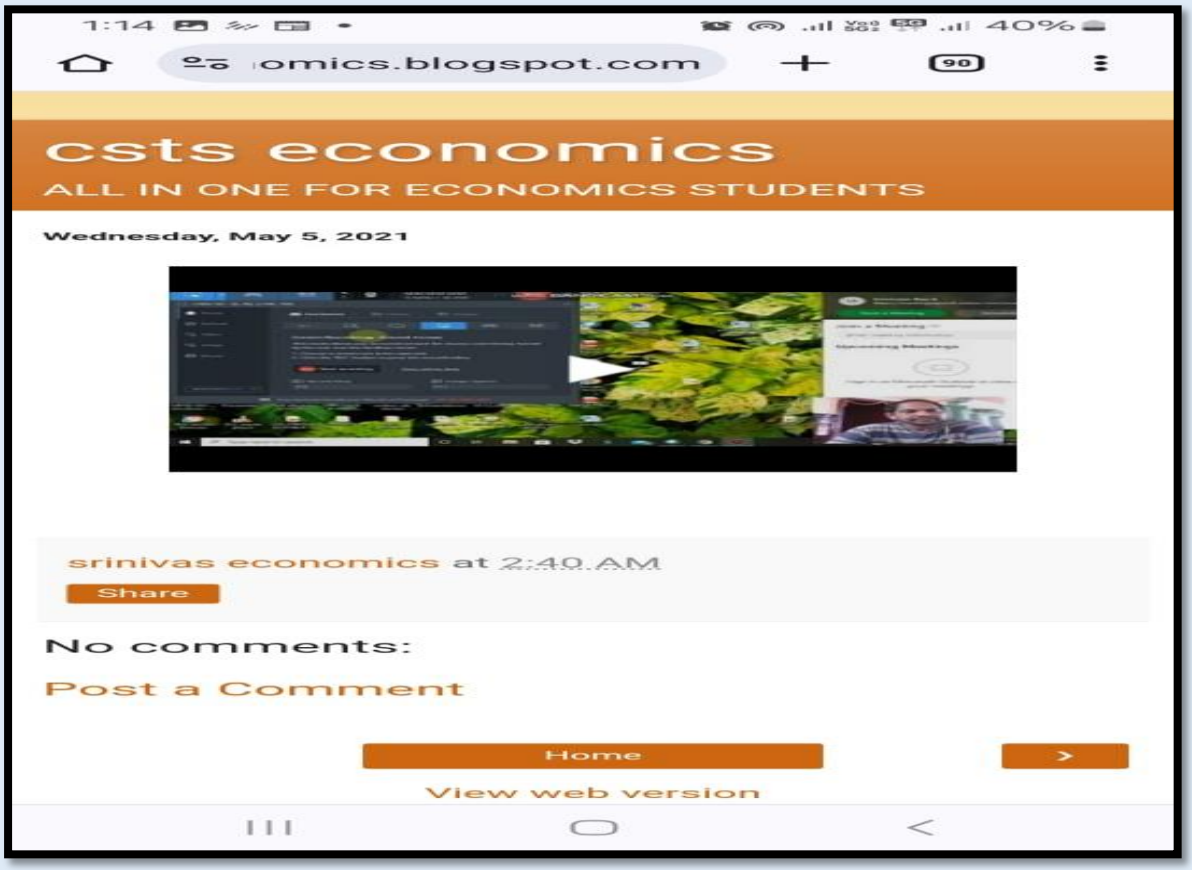
COLLEGE WEBSITE



COLLEGE WHATSAPP GROUP

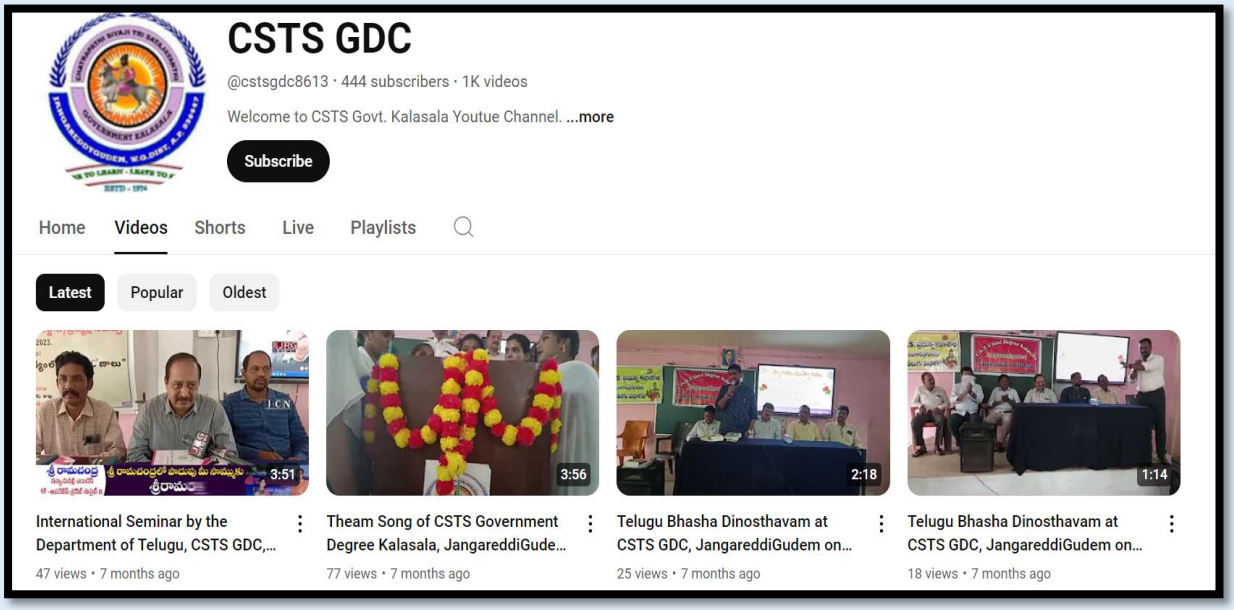


DEPARTMENT LEVEL BLOG

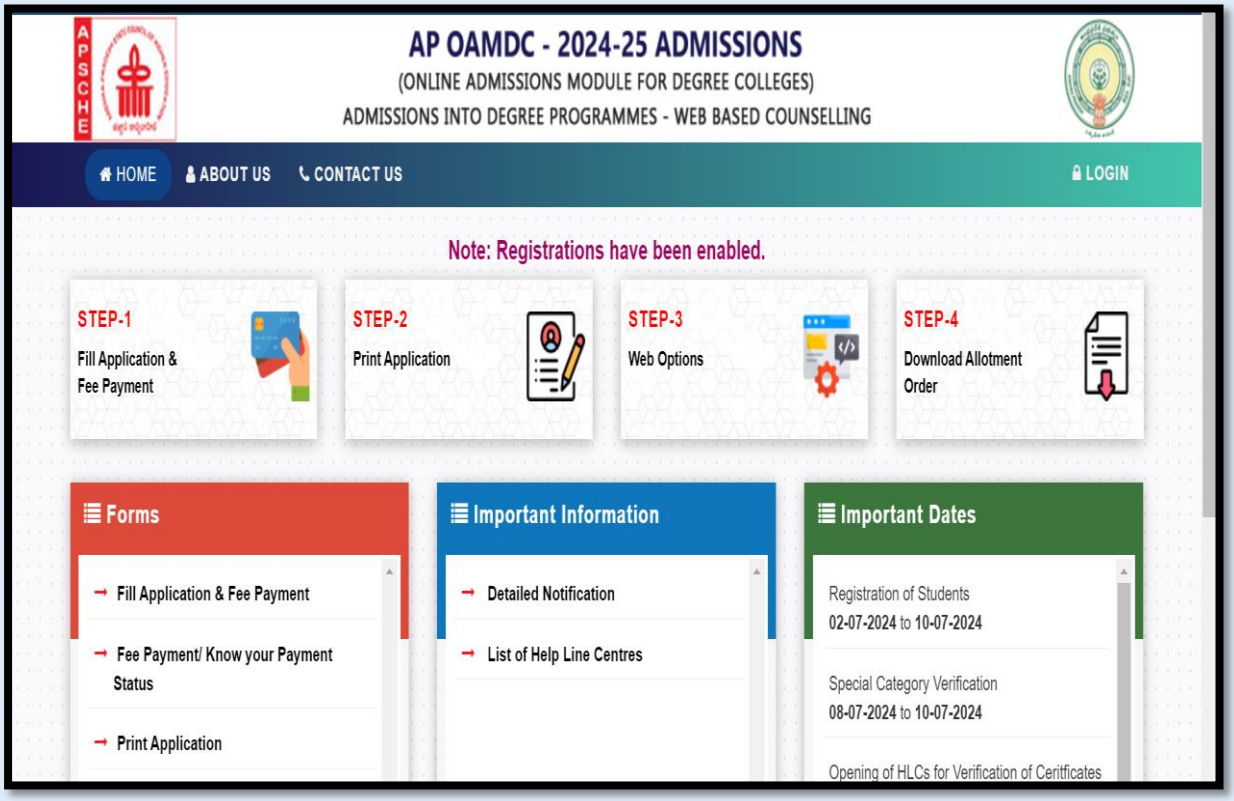


DEPARTMENT LEVEL APP

CSTS GDC YOUTUBE CHANNEL



ONLINE ADMISSIONS

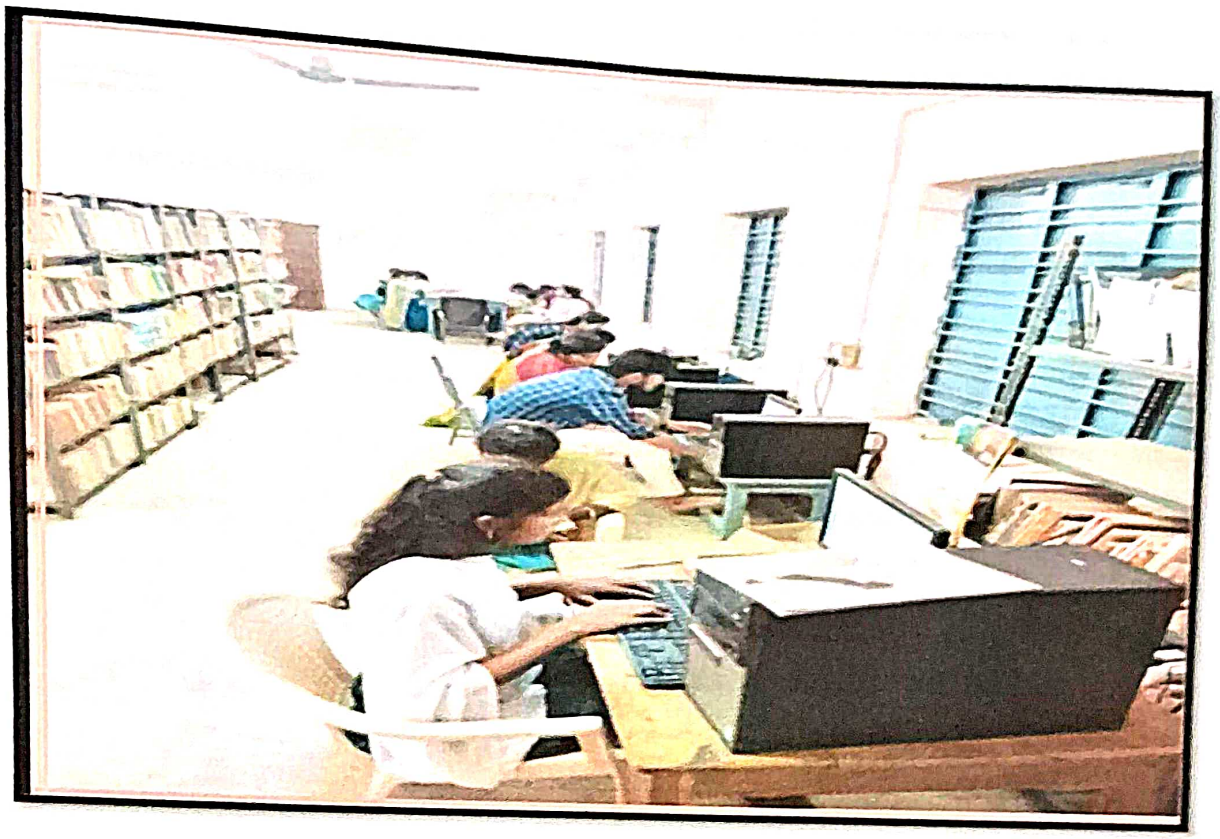


INTERACTIVE DIGITAL BOARD

COMMERCE COMPUTER APPLICATIONS LAB

ENGLISH LANGUAGE LAB

LIBRARY SYSTEMS



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VIRTUAL CLASS ROOM WITH PROJECTOR

B. SRINIVASA RAO
Lecturer in Economics
Criterion: 4 I/C

IQAC

Principal
CSTS Govt. Kalasala
Jangareddigudem - 534447