G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous)
Approved by AICTE, New Delhi | NAAC Accreditation with 'A' Grade | Accredited by NBA
(CSE, EEE & ECE) | Permanently Affiliated to JNTUA
Email: principal@gpcet.ac.in, Website: www.gpcet.ac.in

INSTITUTIONAL BEST PRACTICES

BEST PRACTICE -1

Title of the Practice: **Implementation of innovative methods in teaching – learning process**

Goal of the Practice:
- ❖ Driving the concepts home through project based learning approach
- ❖ Learning by doing
- ❖ Inculcating cognitive & computational thinking and programming capabilities
- ❖ Design and development of efficient and economical ways of solving real life problems

Context:
The current practice of paper based evaluation system in the middle and end of the semesters is not giving much scope to students to apply their concepts to develop a product or a service that solve a real life problem. There is a growing need for tools both hardware & software which will prompt the students to think innovatively and come up with the solutions that are time & cost effective

Practice
Students who build circuits in their very first year of engineering using electronic workbenches can design circuits to address practical problems by the time they reach final year.
Programming has become an enigma for many engineering students. Using innovative software tools like programming workbench will motivate them to learn and apply code to solve practical problems
Also, e-Learning through Virtual labs, YouTube videos, MOOCS, TED lectures and other related sources make learning easy and pleasurable

Evidence of success:
More and more students participating in Coding and IoT design competitions.
Students developing IT & Engineering products for solving existing problems or for new applications

Problems encountered and Resources required.
It takes a lot of time and effort to get acceptance of teachers & students to embrace new technologies.

1. Flipped Class Rooms

Latitude: 15.796563
Longitude: 78.076696
Elevation: 312.33±2 m
Accuracy: 15.7 m
Time: 05-18-2023 15:32
Note: B2-404

Latitude: 15.796126
Longitude: 78.077133
Elevation: 313.43±1 m
Accuracy: 25.4 m
Time: 05-18-2023 15:24
Note: B3-202

Smart Class Room
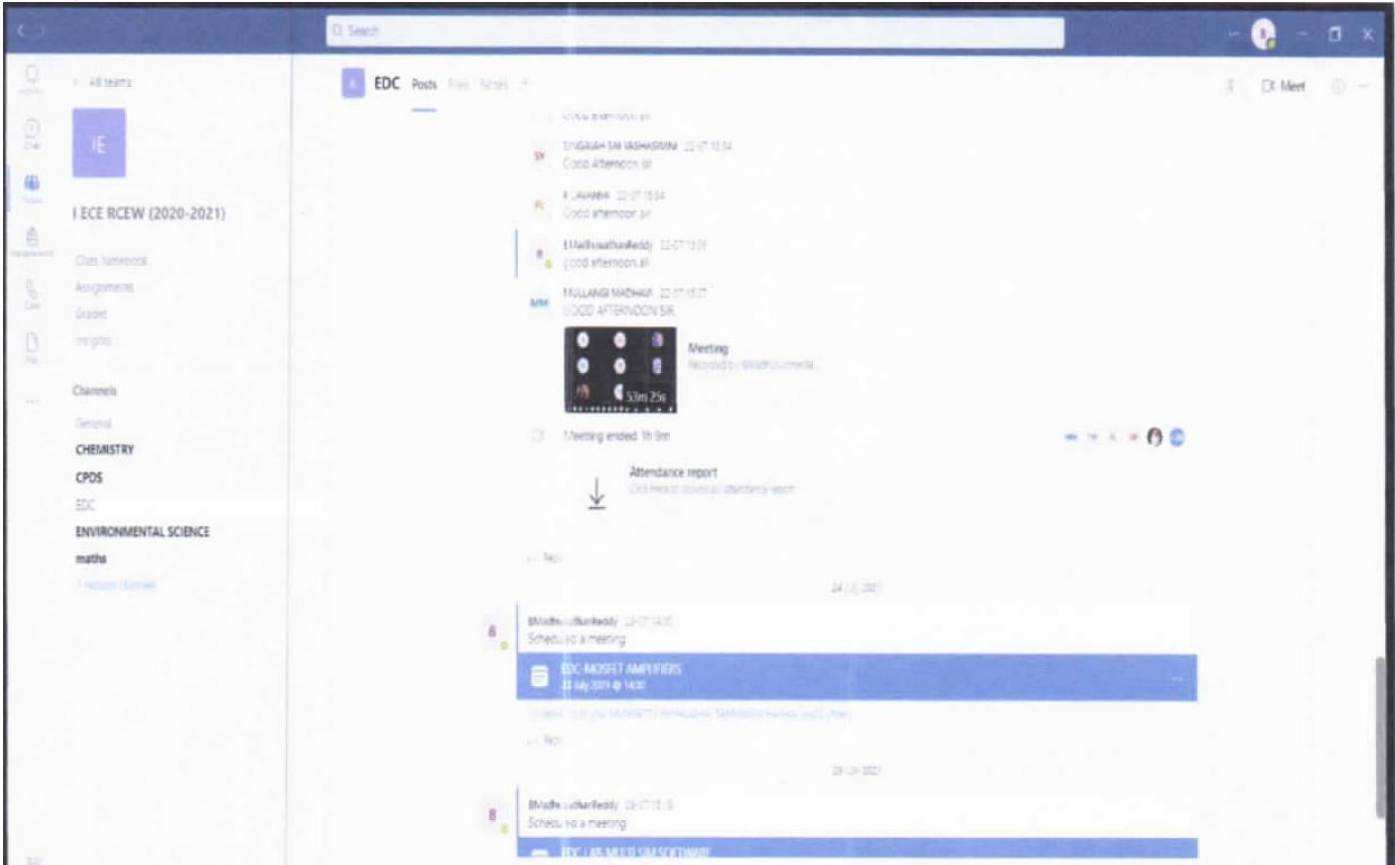
GPS Map Camera

Pudur, Andhra Pradesh, India
G pullaiah college of engineering and technology,
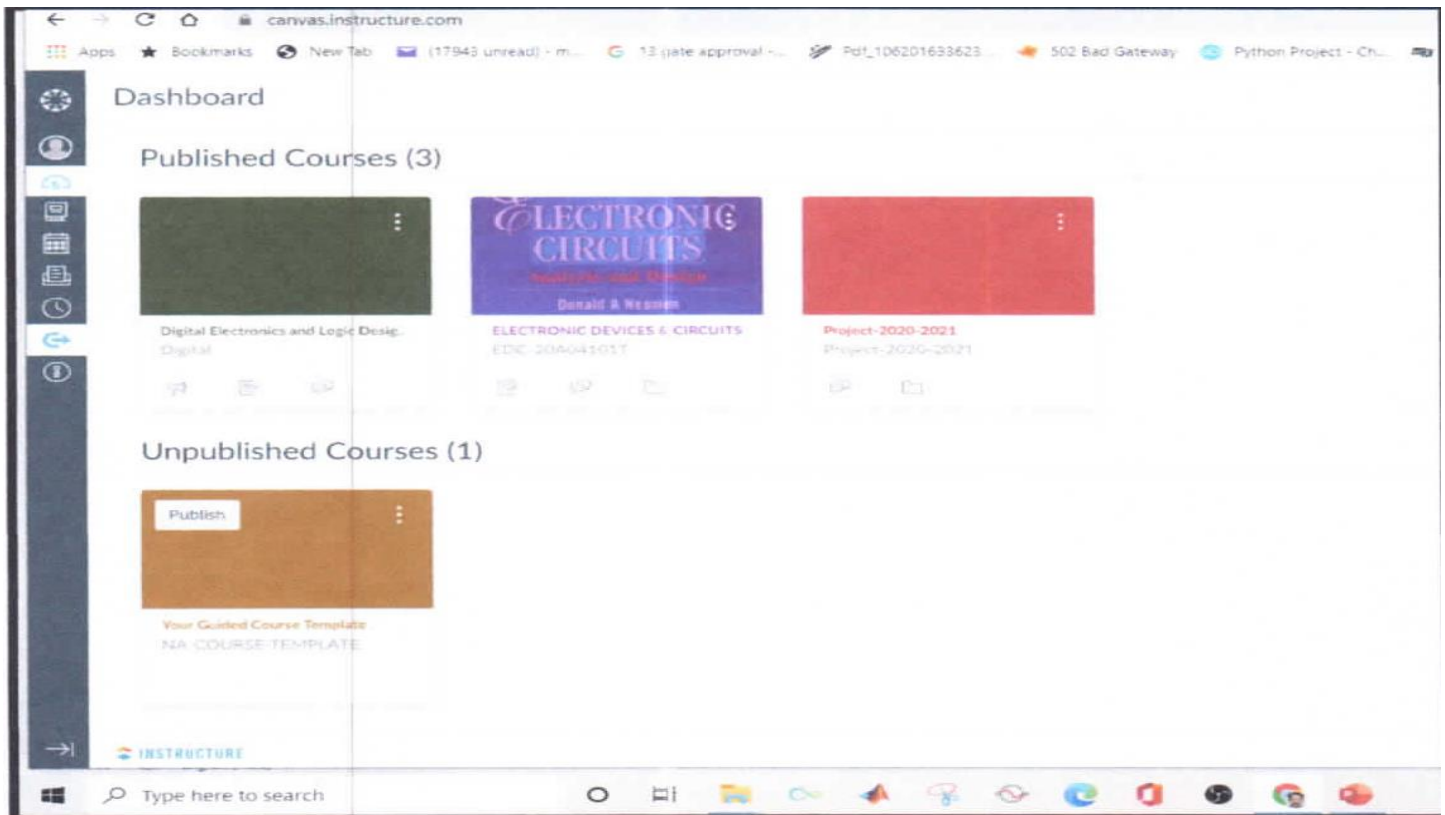Nandikotkur Rd, Pudur, Andhra Pradesh 518002, India
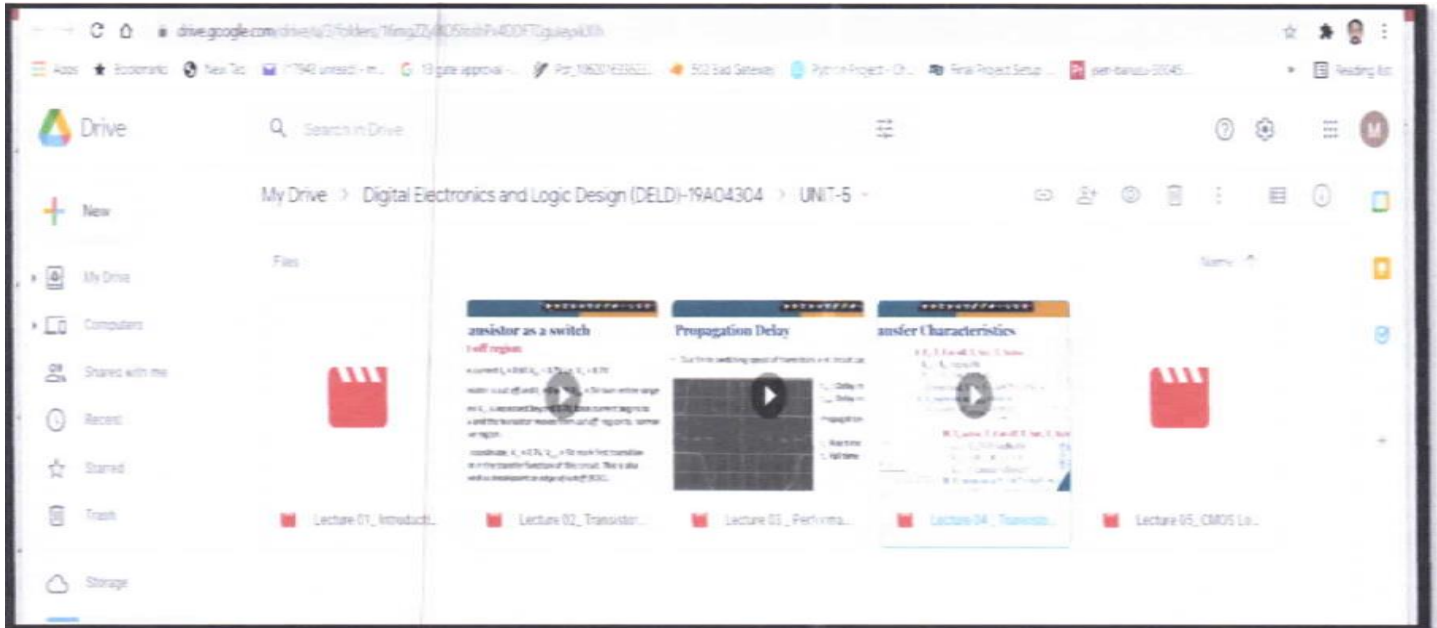Lat 15.797043°
Long 78.077495°

2. ICT Supporting Learning
a) Microsoft Teams

LMS: Canvas Instructure

b) NPTEL/ Swayam Videos

c) Virtual Labs

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INSTITUTIONAL BEST PRACTICES

Department of Electronics and Communication Engineering
Academic Year 2021-22

Faculty Using ICT Tools

S No	Class	Topic Delivered using ICT Tools	Subject	Name of the Faculty	
1	II	Rectifier	Electronic Devices and Circuits	Dr T Tirupal	https://www.youtube.com/watc
2	II	BJT construction and working	Electronic Devices and Circuits	Dr T Tirupal	bjt construction and working
3	II	Signal Transmission through Linear Systems	Signals and Systems	Dr N Ramamurthy	https://www.youtube.com/watc
4	II	Maxwell Equation	Analog Communication Systems	T Suman	https://www.youtube.com/watc
5	II	vestigial sideband modulator	Analog Communication Systems	T Suman	https://www.youtube.com/watc
6	II	Memory elements and their excitation functions SR	Digital Logic Design	B Eramma	https://www.youtube.com/watc
7	III	Logic Gates	CMOS VLSI Design	Dr. SANDIP SWARNAKAR	https://www.youtube.com/watc
8	III	Radiation from Small Electric Dipole	Antennas & Wave Propagation	Dr K C T Swamy	https://www.youtube.com/watc
9	III	Inductionconvolation codes	Digital Communication Systems	Ms.S.Fowzia Sultana	https://www.youtube.com/watc
10	III	Linear applications of op-amps	Linear Integrated Circuit Applications	G Rama Rao	https://www.youtube.com/watc
11	IV	Photo detector noise	Optical Fiber Communication	K Uma Maheswari	https://www.youtube.com/watc
12	IV	various fiber attenuation losses	Optical Fiber Communication	K Uma Maheswari	https://www.youtube.com/watc

13	IV	gunn diode characteristics	Microwave Engineerig	G Rama Rao	https://www.youtube.com/watc
14	IV	discrete cosine transform	Digital Image Processing	T Suman	https://www.youtube.com/watc
15	IV	RF system design concepts	RF Imaged Circuits	Ms.S.Fowzia Sultana	https://www.youtube.com/watc

BEST PRACTICE -2

Title of the Practice**:**   **e- Governance**

Goal of the Practice:

The goal of the practice is to provide effective and easy way to automate the functionalities of the Institute and to provide information about the students and staff to the stake holders by way ofdigital campus software and college website. Digital campus software which is being used by our institute provides various types of educational related services like maintaining attendance, internal marks, work load of staff members, leave history, mentoring data etc., thereby reducing human error and paper work. The college website www.gpcet.ac.in   provides information about the various departments of the institution, vision, mission, placement details, facilities provided etc.

Context:

Our institute has an intake of 600 UG students and 174 PG students every year and has a total strength of around 3000 students in the campus. To maintain the records of all these students manually is a huge task and there are chances of committing errors. Hence digital campus software is being used by our Institute to store information about various types of educational related services like maintaining attendance, internal marks, work load of staff members, leave history, mentoring data etc., thereby reducing human error and paper work.

Practice:

Digital campus software is loaded with main features like Admissions, Academics, Correspondence, Library, Administration etc. by which the details of attendance, internal marks, work load of staff members, leave history, back logs of students, mentoring data etc. which can be accessed when necessary by both the staff as well as the student using their Login Id and Passwords.

The access to the software can also be done through the institute website www.gpcet.ac.in.

Evidence of Success

- ❖ The information regarding any student or staff can be accessed in minimum amount of time.
- ❖ The analysis of marks and attendance can also done easily.
- ❖ As the log-in access is also given to the parents, the parents are being able to access the information about attendance, marks etc of their wards in minimum amount of time.
- ❖ Effective management of resources.
- ❖ Interaction between the faculty and students has also increased.
- ❖ The information is stored centrally and no redundant data is stored.

Problems encountered and Resources required

- ❖ There will be problem in accessing the data when the network is down.
- ❖ There is a chance of files getting corrupted.
- ❖ A separate high configuration server is to be allotted for this software.

Principal

E- Governance screen shots Login Sheets:

G Pullaiah College of Engineering and Technology has ERP software which covers the following areas of operation

The screen shots E- Governance software as follows

1. Administration
2. Finance and Accounts
3. Student Administration and Support
4. Examination

S No	E- Governance area	Screen shots Description
1	Administration	ERP Home page
		ERP Login page
		ERP Modules
2	Finance and Accounts	ERP Home page (Tally)
		ERP Login page (Tally)
3	Student Administration and Support	ERP Login page (Digital campus)
		ERP Modules (Digital campus)
		ERP Home page (gpcet.ac.in)
		ERP Modules (gpcet.ac.in)
4	Examination	ERP Login page
		ERP GPCET Portal

Concept (Bio Metric)

Concept Home page & Login page

Tally Software
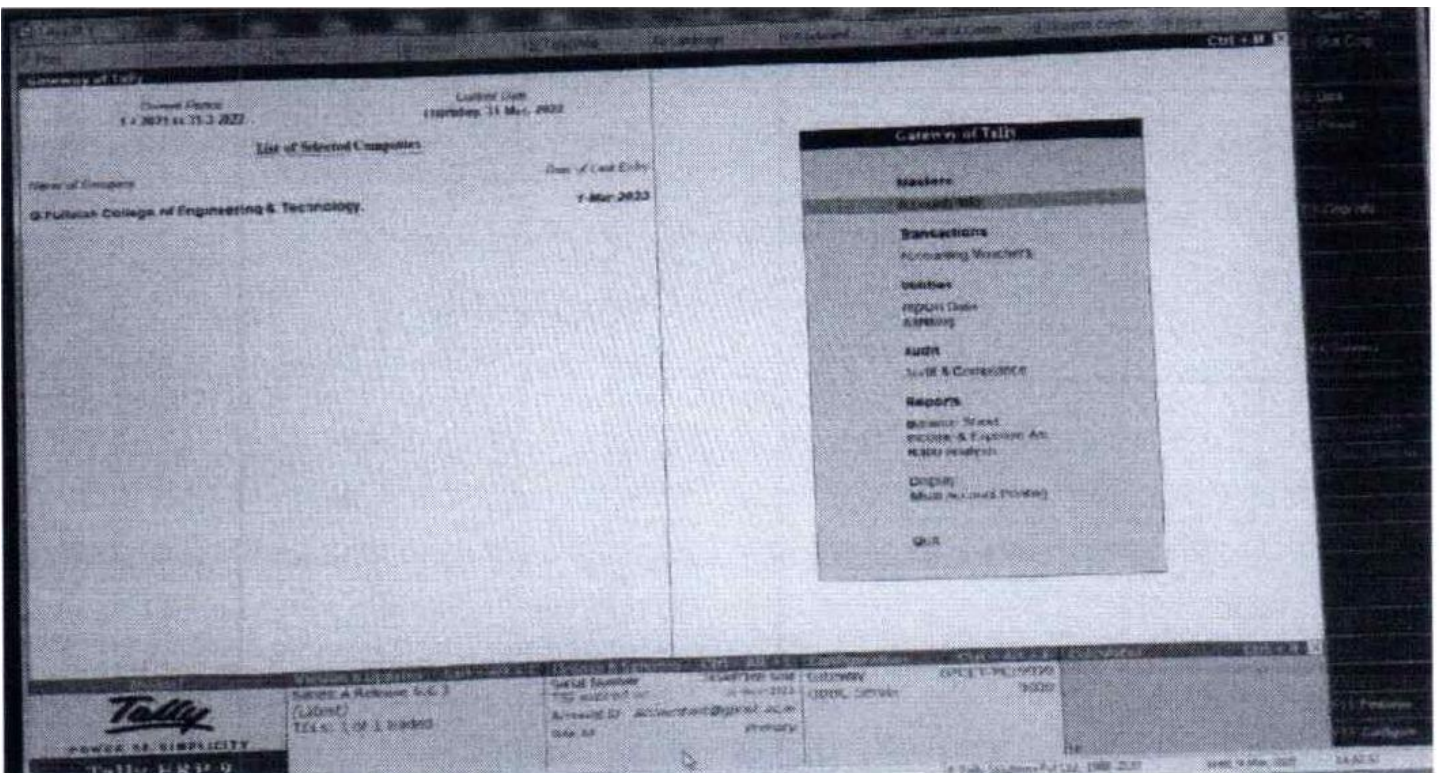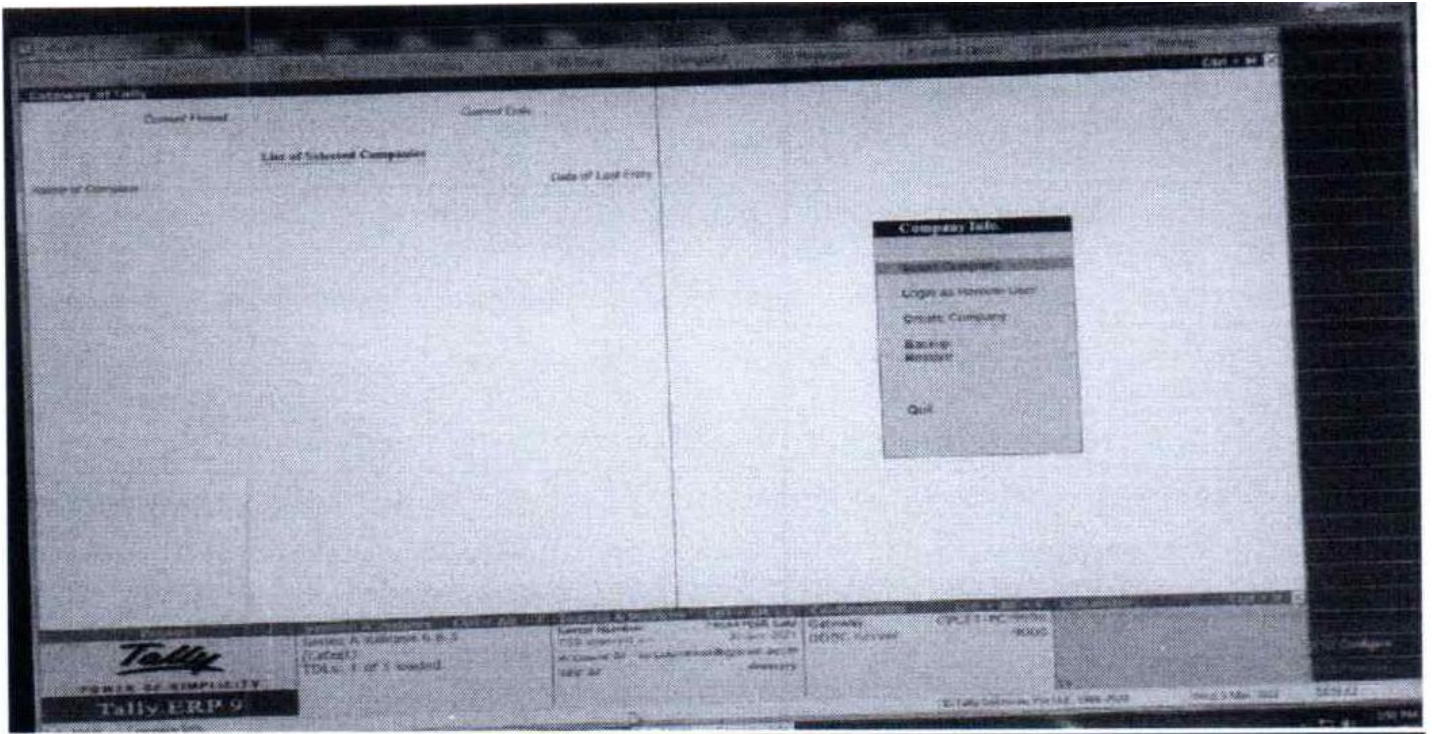
Tally Home Page

GPCET Software
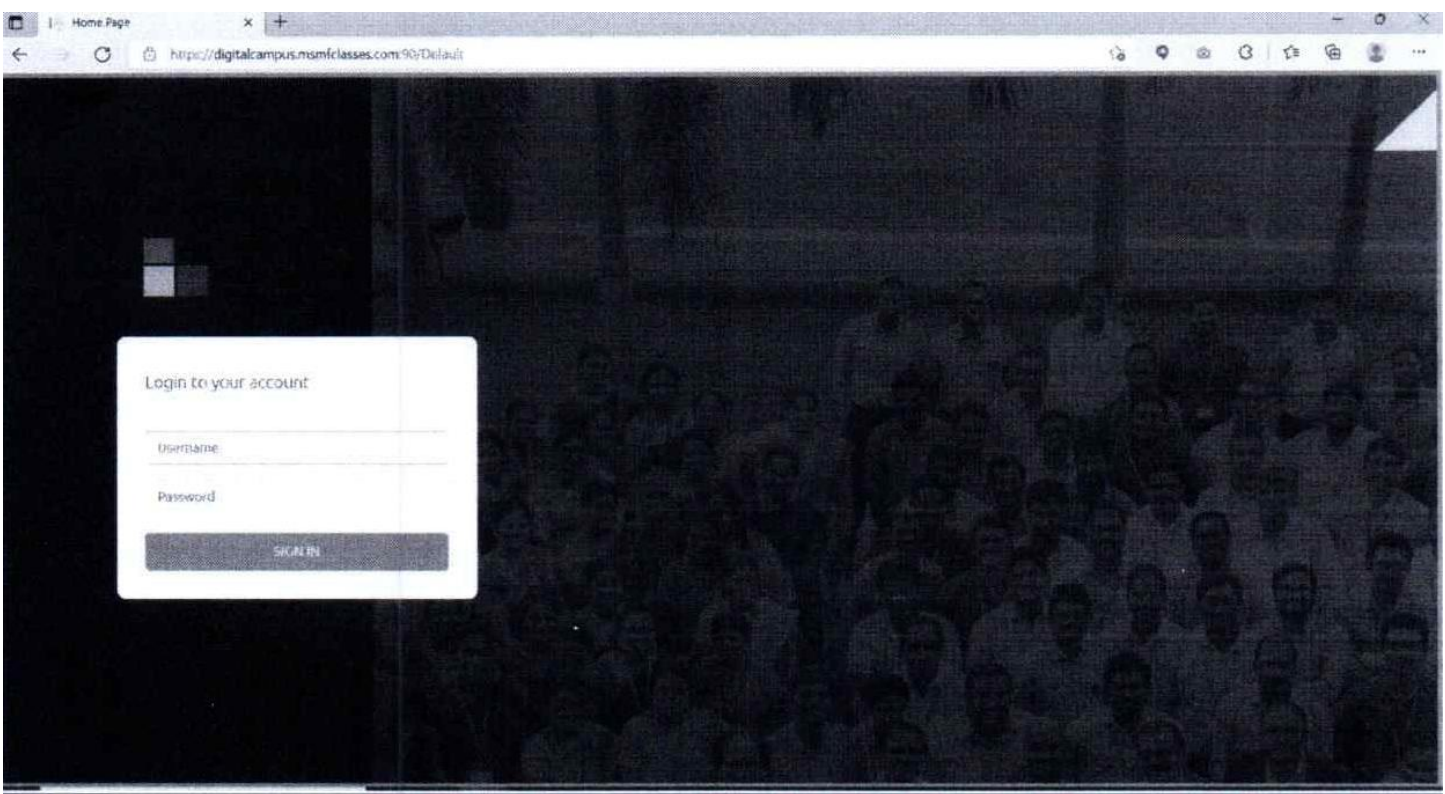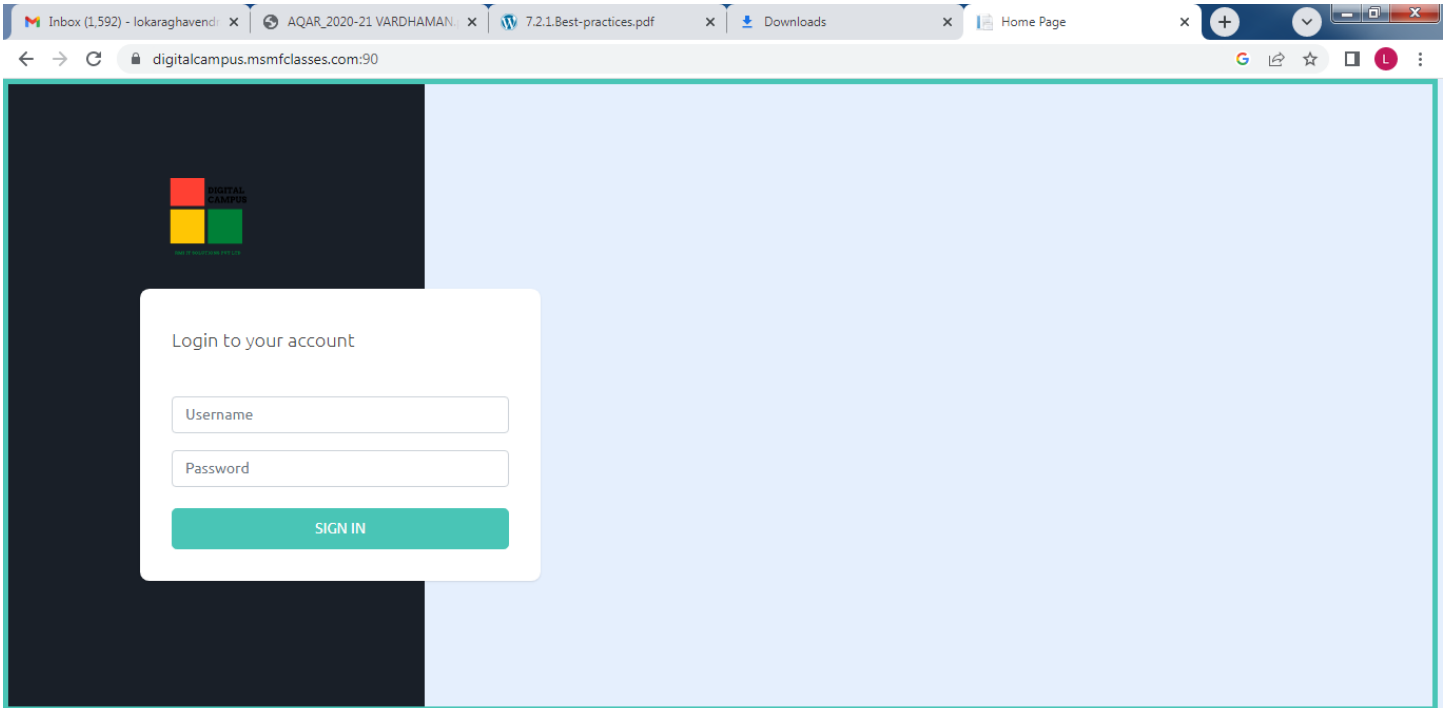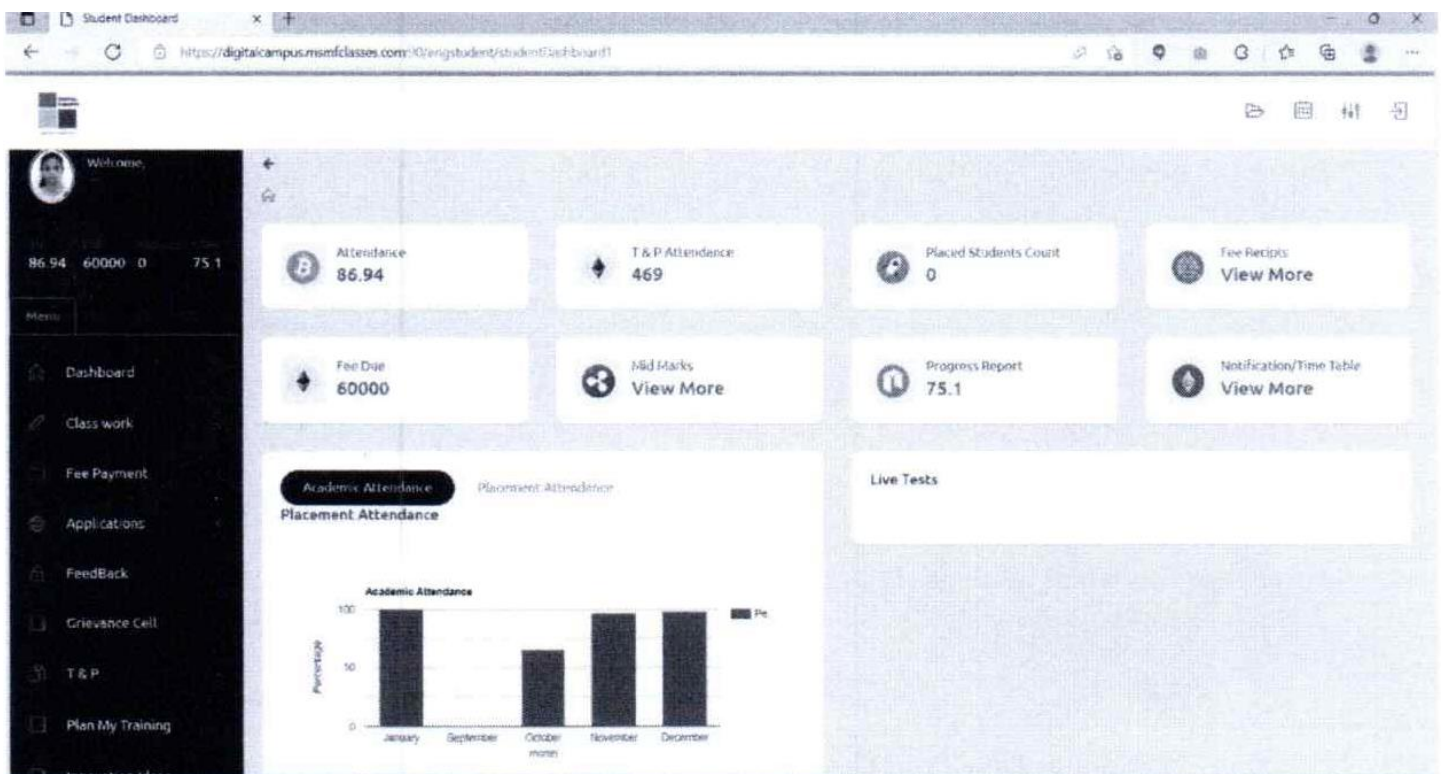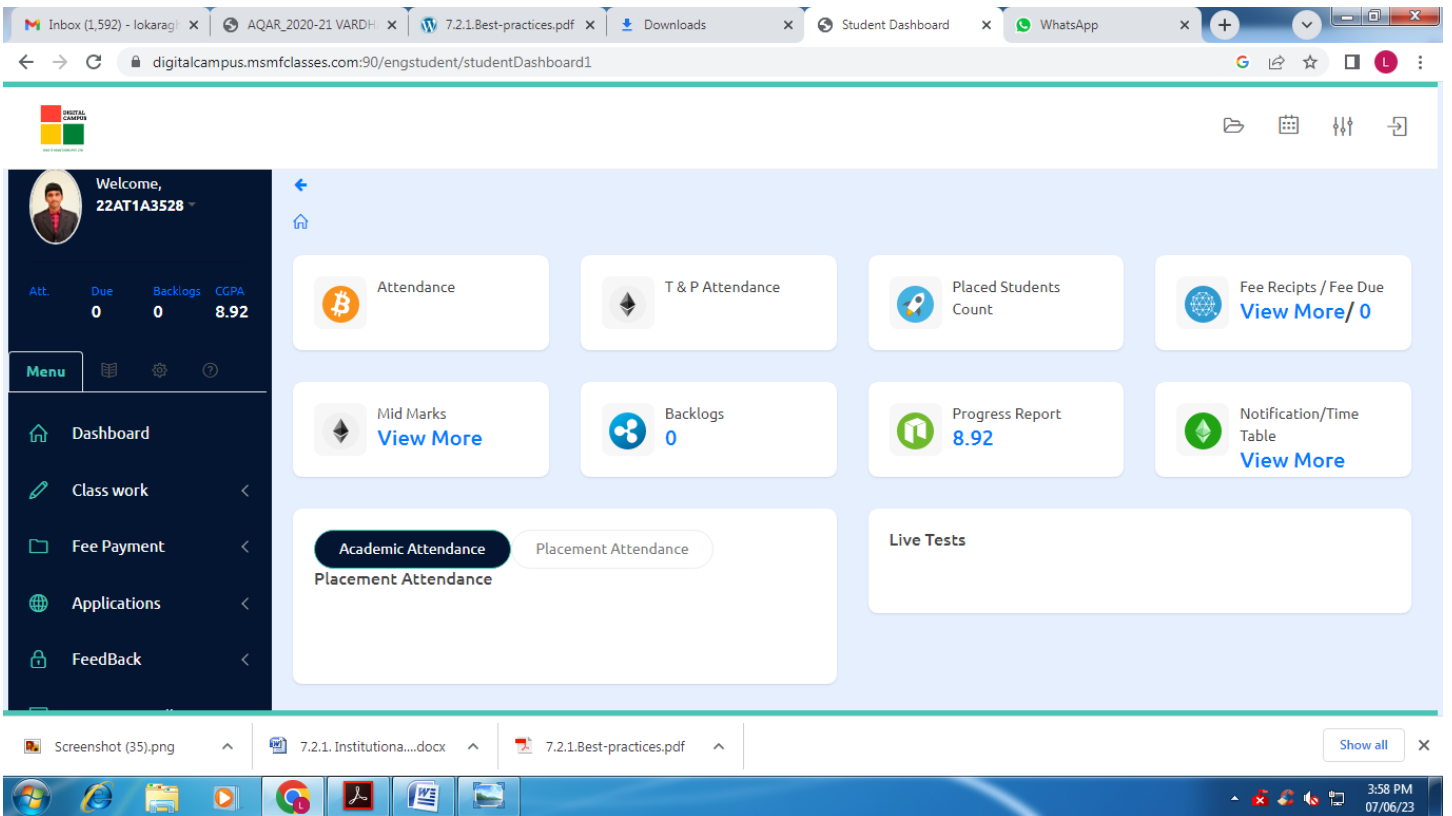
Digital campus (Home Page)

Fee Receipts

SNO	DATE	RECEIPTNO	DATE	YEAR	PAID	ACTION
1	12/03/2022	GPCET/201837181	12/03/2022	1	48000	View More
2	11/07/2022	GPCET/201836022	11/07/2022	1	10000	View More

Home > Academics > Leave > Leave Report > Leave Apply Status

Leave Status

SNO	STATUS
1	Your Leave Has Been Approved on Mon,28-Feb 02,2022 For CasualLeave,Full Day Your Leave Appoved on Wed,02-Mar 03,2022 12-11-36
2	Your Leave Has Been Approved on Thu,06-Jan 01,2022 For CasualLeave,Full Day Your Leave Appoved on Thu,06-Jan 01,2022 10-42-27
3	Your Leave Has Been Approved on Tue,28-Dec 12,2021 For CasualLeave,Full Day Your Leave Appoved on Tue,21-Dec 12,2021 15-42-33
4	Your Leave Has Been Approved on Mon,27-Dec 12,2021 For CasualLeave,Full Day Your Leave Appoved on Tue,21-Dec 12,2021 15-42-31
5	Your Leave Has Been Approved on Fri,24-Dec 12,2021 For CasualLeave,Full Day Your Leave Appoved on Tue,21-Dec 12,2021 15-42-28
6	Your Leave Has Been Approved on Thu,23-Dec 12,2021 For CasualLeave,Full Day Your Leave Appoved on Tue,21-Dec 12,2021 15-42-25
7	Your Leave Has Been Approved on Wed,22-Dec 12,2021 For CasualLeave,Full Day Your Leave Appoved on Tue,21-Dec 12,2021 08-57-03
8	Your Leave Has Been Approved on Mon,22-Nov 11,2021 For CasualLeave,Full Day Your Leave Appoved on Mon,22-Nov 11,2021
9	Your Leave Has Been Approved on Mon,08-Nov 11,2021 For CasualLeave,Full Day Your Leave Appoved on Mon,08-Nov 11,2021

Digital campus – MODULES

SMART CAMPUS

GPCET – Home Page

GPCET – MODULES

EXAMINATION

Home Page

Faculty Information Portal

Application Downloads

- Download Duplicate Marks Memo
- Download Application for CONSOLIDATED GRADES MEMORANDUM (CGM) / PROVISIONAL CERTIFICATE (PC)

Students Portal

No.: Receipt No./6303 020-21

Dated 19-Jan-2021
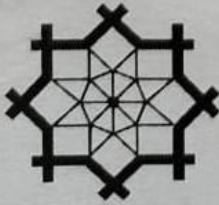
DELNET - Developing Library Network
Jawaharlal Nehru University Campus
Nelson Mandela Road, Vasant Kunj
New Delhi-110070
State Name : Delhi, Code : 07

R e c e i p t

Received with thanks from : **G. PULLAIAH COLLEGE OF ENGG. & TECH.**
NANDIKOTKUR ROAD
KURNOOL-518452
[DELNET MEM NO. IM-6533]

The sum of : Indian Rupees Thirteen Thousand Five Hundred Seventy Only

By : G. PULLAIAH COLLEGE OF ENGG. & TECH.; Union Bank of India (India)
Inter Bank Transfer   00199593604   19-Jan-2021   13,570.00

Remarks : **AMOUNT RECEIVED TOWARDS ANNUAL INSTITUTIONAL MEMBERSHIP FEES**
FOR THE PERIOD 20.01.2021 TO 19.01.2022

Auth... ...ry

***₹ 13,570.00/-

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU -515002, ANDHRA PRADESH, INDIA

ACKNOWLEDGEMENT

RECEIPT OF PAYMENT TOWARDS JNTUA CONSORTIA FOR E-RESOURCES

This is to acknowledge the receipt of payment **Rs. 14,750/-** (Rupees Fourteen Thousand Seven Hundred and Fifty Only) from **G.Pullaiah College of Engineering & Technology (Autonomous), Pasupala (V), Nandikotkur Road, Kurnool Dist-518 452.** on date **11-01-2021** towards JNTUA Consortia for e-Resources for subscribing to the J-GATE Engineering & Technology with resource sharing facility for the year 2021.

Signature of the Registrar with Seal

REGISTRAR
J.N.T.U. Anantapur
ANANTAPURAMU-515002

GPCET
Pioneering, Innovative Education

Access to J-Gate for G.Pullaiah College of Engineering and Technology(Autonomous)

1 message

support@jgateplus.com <support@jgateplus.com>
To: library@gpcet.ac.in, nsm@informaticsglobal.com, dirap@jntua.ac.in, shylaja@informaticsglobal.com

Tue, Feb 2, 2021 at 5:00 PI

Hello B Durga prasad .,

Your access to **J-Gate** Discovery Platform is renewed.

Access Period : 1/2/2021 to 31/1/2022

Access Type : Subscription

Package Subscribed : Engineering & Technology

Access Credentials	Users	Library Admin
URL:	https://jgateplus.com/	https://jgateplus.com/admin
Username:	gpceuser	gpceadmin
Password:	gpceuser848814915	gpceadmin264033930

Please do not circulate LIBRARY ADMIN Access Credentials among end users.

IP Based Access :

103.206.112.48

Important Note:

We understand that reasonably a lot of investment goes in to subscription of your library resources, therefore visibility and usage is a prime concern for the library. J-Gate helps to increase the **usage and visibility of your library subscribed journal resources** among your students, faculties and researchers.

1. Register All Your Static IPs in J-Gate for easy and authenticated access by users of your institution.

2. Integrate "Journal Discovery Search Box" in Your Library Website for visibility and easy accessibility of library subscribed resources. Refer the document "Search Box Guide" with Steps to integrate in your website.

3. Send all your Library Subscribed Journals/Book Series/Conference Proceeding Holding details to configure single platform discovery through J-Gate. Fill the attached Excel File "Library Holdings" and email to jcoordinator@informaticsglobal.com

Please find attached a draft email for communicating J-Gate access to users on behalf of your library.

Email Address for Any Queries related to J-Gate: jcoordinator@informaticsglobal.com

We look forward to your earnest help and efforts towards **increasing the usage and visibility of your library subscribed resources.**