



Government College for Men:: Kadapa

Autonomous & NAAC accredited at "B" Grade

Andhra Pradesh-516004



Processes integrating IT

Reforms in COE through IT Integration

- The Examination Cell is continually enhancing its technology to benefit of students and streamline processes:

IT Reform-1: Website for Results

- A webpage was launched in 2019-2020 for hosting of results, it allows students to check and download semester results online.
- The College has procured SQL to takes care of all examination related services.

Close

Government College for Men(AUTONOMOUS)

Recognized by NAAC with "B" Grade
REGD. HEADQ. ADDRESS: KADAPA, ANDHRA PRADESH-516004

Regd No: 0039304533

Class: B.Sc.ZC-DE

Student Name: 00000000000000000000

Subject Code	Course Title	SEM	Grade	Internal Marks	External Marks	Grade Point	Grade Letter
VI Semester							
7001	Robot Technology-VI	MAY-22	3	Pass	Pass	3.0	C
7002	Robot Technology-Practicals	MAY-22	3	Pass	Pass	3.0	C
7003	Biology-VI	MAY-22	3	Pass	Pass	3.0	C
7004	Biology-Practicals	MAY-22	3	Pass	Pass	3.0	C
7005	Chemistry-VI	MAY-22	3	Pass	Pass	3.0	C
7006	Chemistry-Practicals	MAY-22	3	Pass	Pass	3.0	C
8001	Chemistry-Practicals	MAY-22	3	Pass	Pass	3.0	C
8002	Chemistry-VIII(C)	MAY-22	3	Pass	Pass	3.0	C
8003	Chemistry-Practicals	MAY-22	3	Pass	Pass	3.0	C
8004	Chemistry-VIII(C)	MAY-22	3	Pass	Pass	3.0	C
8005	Chemistry-Practicals	MAY-22	3	Pass	Pass	3.0	C
8006	Chemistry-VIII(C)	MAY-22	3	Pass	Pass	3.0	C
8007	Chemistry-VIII(C)	MAY-22	3	Pass	Pass	3.0	C
VII Semester							
9001	Robot Technology-VI	JAN-22	3	Pass	Pass	3.0	C
9002	Robot Technology-Practicals	JAN-22	3	Pass	Pass	3.0	C
9003	Robot Technology-Practicals	JAN-22	3	Pass	Pass	3.0	C
9004	Robot Technology-VI	JAN-22	3	Pass	Pass	3.0	C
9005	Biology-VI	JAN-22	3	Pass	Pass	3.0	C
9006	Biology-Practicals	JAN-22	3	Pass	Pass	3.0	C
9007	Biology-Practicals	JAN-22	3	Pass	Pass	3.0	C

Outcomes of reform: Website for Results

- Instant Access to Results:** Students could check their semester results online immediately upon release, eliminating the need to visit campus or wait for physical postings.
- Reduced Administrative Burden:** The online platform streamlined result distribution, reducing the workload on administrative staff who previously managed physical result dissemination.
- Improved Transparency:** The digital result system ensured students had direct and timely access to their academic performance, promoting transparency in the evaluation process.
- Enhanced Student Satisfaction:** The convenience of online result checking improved overall student experience, allowing them to download their results anytime and anywhere.
- Error Minimization:** The use of SQL for managing examination-related services reduced the likelihood of errors in result processing and data management.

IT Reform-2: Online Payment Gateway

Introduced in online payment gateway in 2020-2021 to facilitate exam fee payments, reducing the need for in-person transactions and avoiding crowds, especially during the COVID-19 pandemic.



GOVERNMENT COLLEGE FOR MEN (AUTONOMOUS)
Reaccredited by NAAC with "B" Grade
RIMS ROAD, BESIDE NEW COLLECTORATE, KADAPA -516004
Re Valuation Fee payment

Order Id: f42f9ec7ca7682215fe6

SUPPLEMENTARY PAPERS OPTED:

OPT	Sem	Code	Subject Name
☐	5	5301	Mathematics-V
☐	5	6301	Mathematics-VI
☐	5	5306	Statistics-V
☐	5	6306	Statistics-VI
☐	5	5307	Computer Science-V
☐	5	6307	Computer Science-VI

Show Fee Details

Student Details:

Regd No: 00319307549 Group: M.S.Cs-EM

Name of the Student: SANDHI REDDY SANATH K

Fee Details : JAN-22

Total Papers:	0
Each Paper Fee:	0
Application Fee:	0
Total Fee:	0

Outcome of Online Payment Gateway System

- **Increased Convenience:** Students were able to make exam fee payments from the comfort of their homes, avoiding the need to visit the campus in person.
- **Improved Safety Measures:** By reducing in-person transactions, the online payment gateway helped minimize physical interactions, supporting social distancing efforts during the COVID-19 pandemic.
- **Time Efficiency:** The online system streamlined the payment process, allowing students to complete transactions faster and avoid long queues or administrative delays.
- **Enhanced Accessibility:** Students could access the payment gateway 24/7, offering flexibility and accommodating different time zones for international students.
- **Transparent Record-Keeping:** The online payment system provided automated receipts and digital records, improving transparency and reducing the chances of errors in financial tracking.
- **Operational Efficiency:** The institution benefited from reduced administrative workload, as staff no longer needed to handle cash or manually process payments.
- **Environmental Impact:** By eliminating paper receipts and reducing transportation needs, the online payment gateway contributed to the institution's sustainability efforts.

IT Reform-3: Online Internal Assessments during Covid-19

Online Internal Assessments during Covid-19 was implemented in 2021-2022, enabling students to take exams from home using mobile devices. Also, hall tickets are now issued online for easier access.

1242930024, 1/100 English - Google Forms

English

Questions Responses 50% Settings Total points: 20

Government College for Men (A), Kadapa
Department of English
English Praxis - I Semester - I
First Internal Examination - 2021

No. of Questions: 10 Each Question carries 2 (Two) Marks 10X2=20

Choose the Correct Option for the following

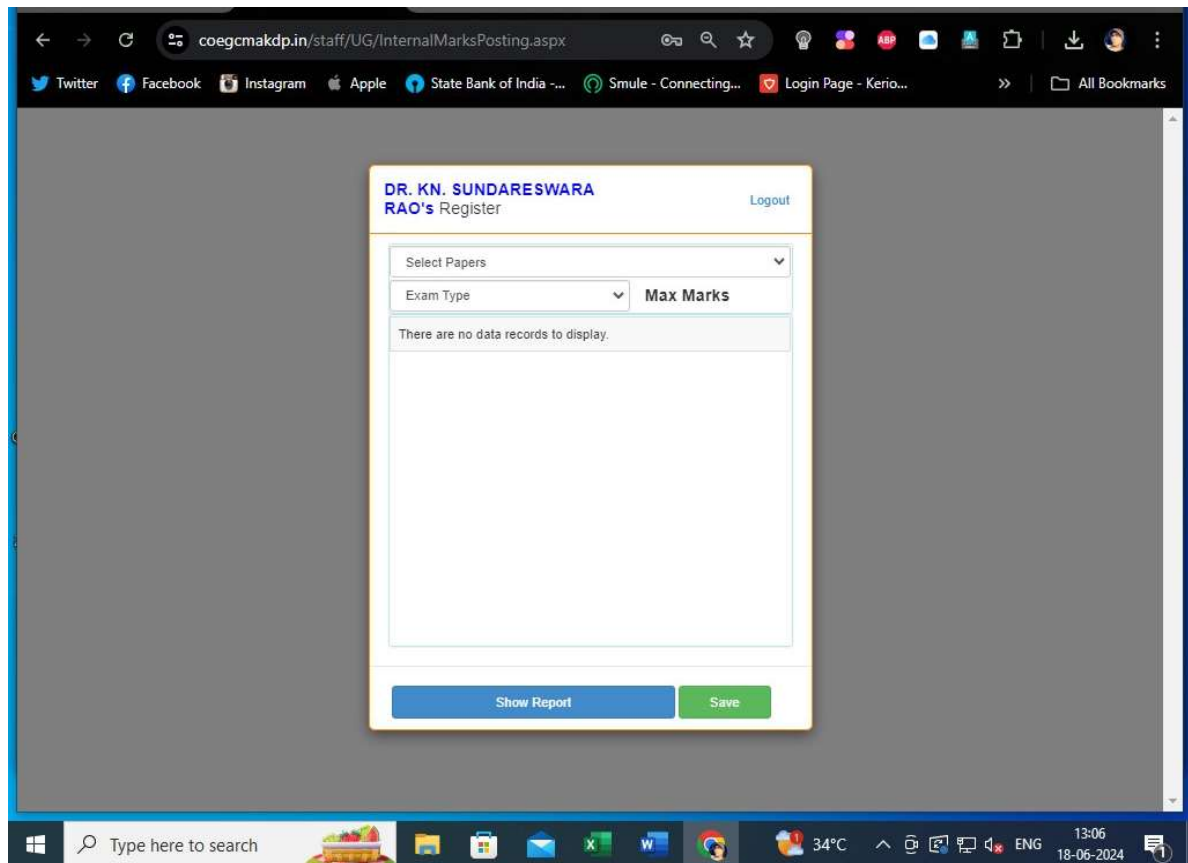
1. It is _____ unique picture.
(a) a (b) an (c) the (d) No article
2. Robert is _____ American.
(a) a (b) an (c) the (d) No article
3. _____ Himalayas are the highest mountains.
(a) an (b) the (c) a (d) No article
4. My friend arrived _____ Monday.
(a) to (b) on (c) for (d) at
5. My mother cuts an apple _____ a knife.
(a) by (b) in (c) with (d) for
6. I prefer coffee _____ tea.
(a) between (b) for (c) at (d) to
7. Raja usually _____ (sit) in the front desk.
(a) sit (b) sits (c) sat (d) have sat
8. She _____ (Write) home work now.
(a) writes (b) wrote (c) is writing (d) was writing
9. I _____ (see) the film already.
(a) saw (b) have seen (c) has seen (d) is seen
10. She _____ (Water) the plants since morning.
(a) is watering (b) have been watering (c) has been watering (d) had been watering

Outcomes of Online Internal Assessments during Covid-19

1. **Increased Accessibility:** Students could take internal assessments remotely using mobile devices, ensuring continued academic progress despite the challenges posed by the pandemic.
2. **Continuity of Academic Evaluation:** The shift to online assessments ensured that internal evaluations could proceed without interruption, maintaining academic standards even in the absence of in-person exams.
3. **Improved Flexibility:** Online assessments offered greater flexibility in scheduling, allowing students to participate from various locations and adapt to different learning environments.
4. **Enhanced Digital Competency:** Both students and faculty gained valuable experience with digital tools, fostering improved technical skills that align with the future of education.
5. **Safety and Health:** By enabling exams from home, the reform contributed to the safety and well-being of students and staff by minimizing physical interaction during the pandemic.

IT Reform-4: Online Entry of Internal Marks

Online Entry of Internal Marks by concern faculty was introduced in 2021-2022, created personal login and password to award Internal marks for each and every faculty. This is helpful not only to maintain confidentiality and etiquette of examination but also encourage paperless work.



Outcomes of Online Entry of Internal Marks:

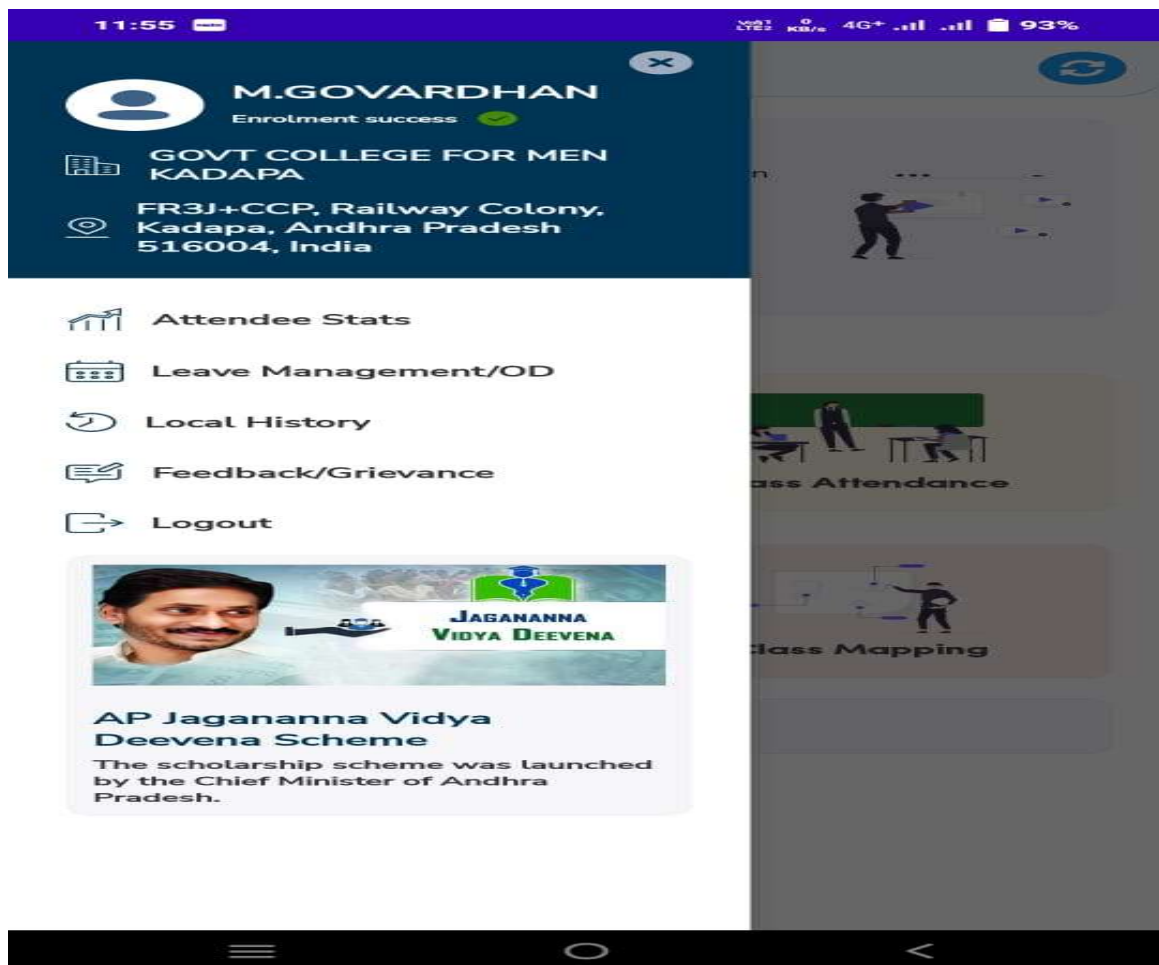
1. **Enhanced Confidentiality:** The personal login and password system ensures secure entry of internal marks, maintaining confidentiality and reducing the risk of unauthorized access.
2. **Improved Accuracy:** Direct entry by the concerned faculty minimizes the chances of errors or discrepancies in the recording and tabulation of internal marks.
3. **Efficient Process:** Streamlined digital entry reduces the administrative burden on the examination department, allowing for quicker compilation and processing of results.
4. **Paperless Workflow:** This reform supports eco-friendly practices by significantly reducing the need for physical paperwork, contributing to the institution's sustainability efforts.
5. **Accountability and Transparency:** Faculty are directly responsible for entering marks, ensuring accountability, while the system provides traceable records that enhance transparency.
6. **Time Savings:** The digital platform speeds up the entire process, from mark entry to result publication, saving valuable time for faculty and administrative staff.

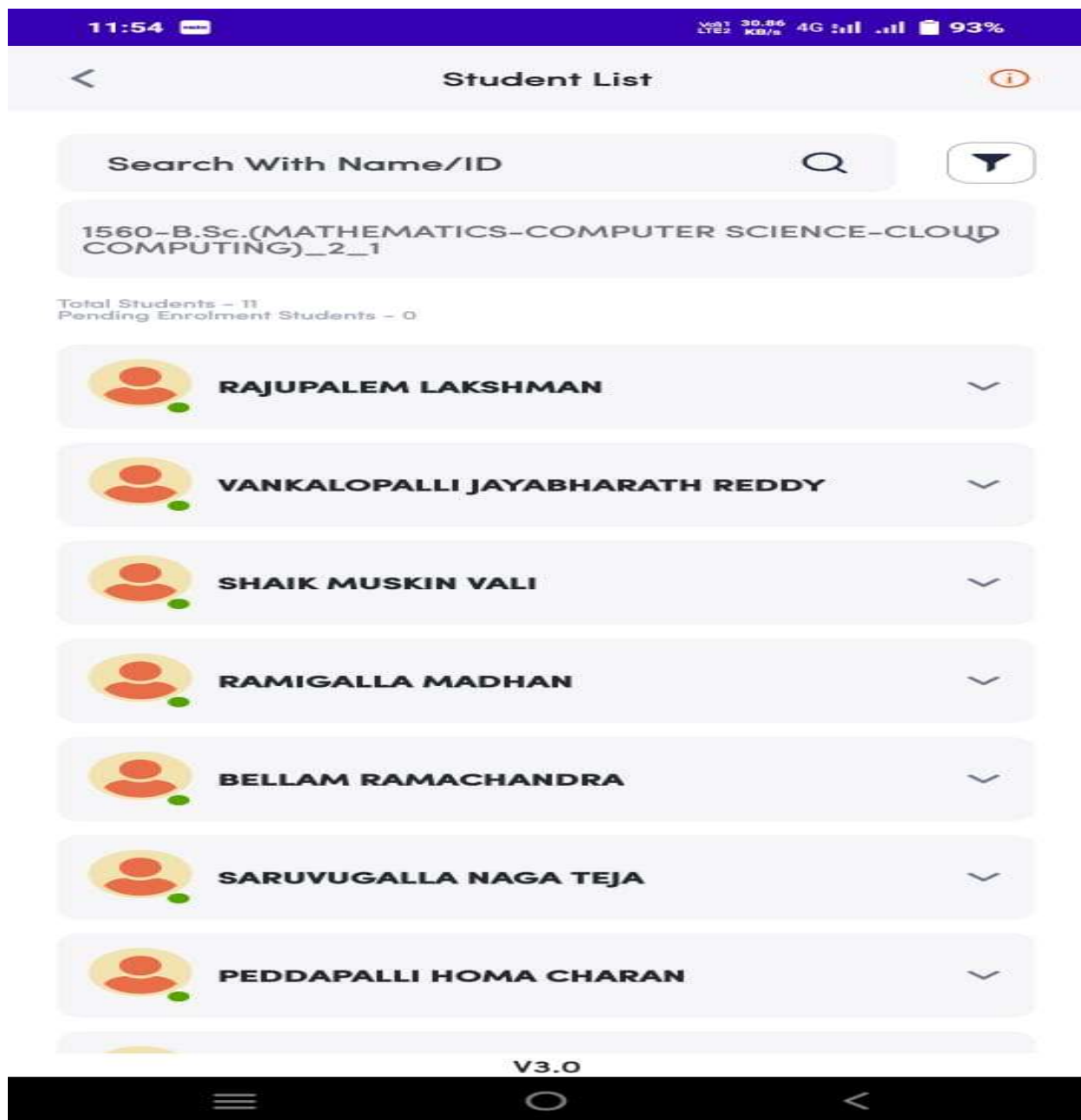
IT Reform-5: Facial Recognition Attendance Management System (FRAMS) for Student attendance

- **Facial Recognition Attendance Management System (FRAMS):** This app is used to capture the student attendance in the class room through mobile phone.
- It enhanced the students' attendance as it is going to link the government scholarships.
- It will allow us to recommend students attend classes they have missed or issue notices for class absenteeism, and ultimately, prevent students with low attendance from appearing in exams.

Functionalities & Features:

- The primary functionality of attendance capturing in FRAMS is based on “ Facial recognition and Presence” of the students.
- Mobile devices running on Android/iOS with a decent camera are the only required equipment to implement the utility at College/Classroom level.
- Students are registered in the FRAMS APP and organized into sections/classes. Accordingly, Lecturers are mapped to sections as per the timetable.
- A lecturer needs to capture the image of self in FRAMS to mark self-attendance followed by capturing of the class through camera.
- The system recognizes facial differences between individuals with utmost accuracy and marks attendance.





Outcomes:

- Use of simple tool like a mobile device helps in averting problems that arise with biometric devices in practice.
- High accuracy of attendance management in relatively less time.
- Unbiased attendance using facial capturing and detecting.

IT Reform-6: Examination updates through WhatsApp groups

- Introduced “**Examination updates**” through **WhatsApp groups** to post the Examination Schedule, Community Service Project, Short - term Internship Project & Long - term Internship Project schedule, declaration of results, dates of examination fee, results announcement, particulars of results and other examinations related matters.

Other Reform-7: Grievance & Redressal Mechanism:

1. The COE categorize grievances related to examinations into four viz. before examinations, during examinations, after announcement of results and errors on certificates.
2. Generally, grievances of students vary from non-payment of fee within the stipulated time, filling up of their examination applications with wrong or insufficient data, non-furnishing of relevant documents with the application and non-submission of the application on time etc.
3. The COE helps the students in resolving such issues. If any grievances to be resolved at college level, the COE with due permission of the principal, resolving of the same in amicable way.
4. If any grievance arises during the examinations such as issue of unrelated question papers, supply of improperly printed question papers, wrong seating arrangements, impersonation, questions of out of the syllabus etc. would also be dealt with in a cordial manner. Consulting department in charges, subject experts either in person or otherwise will also be entertained for the grievance redressal.
5. Grievances of students after announcement of their results of internals and externals, the examination committee receives in writing the grievances from the students. If they are to be addressed at the department level, it solves them. Otherwise, the same are forwarded to the COE authorities and extend correspondence till positive solution is arrived at. At this stage students come up with the issues like wrong results, undervaluation of their answer scripts, wrong printing of marks on their memos etc. on which, examination branch advises the students to submit applications for revaluation with proper evidences.
6. Internal examination valued scripts are issued to the students for their personal verification. Awarded marks of the same will also be displayed on the departmental notice boards.

Future Plans:

1. We plan to introduce online grievances feature for examinations in the student login portal, allowing students to submit grievances through their accounts.
2. Soft copies of the previous semester-end examinations are uploaded regularly in the college website. The same are also stored in the COE database.
3. The software generated hall tickets, seating arrangement, result declaration, mark sheet generation are ensuring accurate, transparent and fair conduct of examinations.
4. To introduce **Online application for their lost/damaged/duplicate certificates.**

Hence, we are bringing a transparent yet confidential experience to students. As we advance our technology, we are committed to ensuring accuracy by conducting multiple self-trials. Additionally, we verify the system multiple times to maintain confidentiality, displaying only what students need to see and withholding any unnecessary information. Our team works tirelessly to meet student needs and continues to innovate to streamline student interactions with the Examination Cell.