CRITERION 4 – INFRASTRUCTURE AND LEARNING RESOURCES

4.3 IT Infrastructure

4.3.1 IT FACILITIES

ST.MARY'SCOLLEGE
SULTHAN BATHERY,
WAYANAD,KERALA-673592

IT FACILITIES

SL	FACILITY
1	Upgradation Table (IT)
2	ICT Enabled Classrooms & Seminar Halls
3	Computer Labs
4	Digital Learning Repository
5	Academic/Administration Support Software (NECTTOs)
6	NECTTOs App Parent Login
7	LMS Moodle
8	Digital Library/Inflibnet
9	LED Smart TVs
10	Automated Public Announcement System
11	Reprographic Facility
12	Social Media Platforms
13	Institutional Website
14	G Suite Account
15	Network Switches
16	Routers And Modems
17	Internet Connectivity

IT UPGRADATION TABLE

Item	During IIIrd Accreditation Cycle	Upgradation During Current Accreditation Cycle
Academic/Administrative Software	System Based College Management System(CMS)	Web Based and Mobile Based NECTTOs App
ICT Enabled Classrooms	25	35
Cctv surveillance	NIL	24x7 CCTv Surveillance with 123 Cameras
Projectors	25	21
Smart tvs	0	14
DST/FST	NIL	Dedicated DST/FIST Laboratory
LMS	NIL	LMS Moodle By DIGICOL
UPS	7	10
Internet Connections	1	3
Printers/Scanners	27	31
Social Media	1	3
Server	1	3

ICT ENABLED CLASSROOMS AND SEMINAR HALLS

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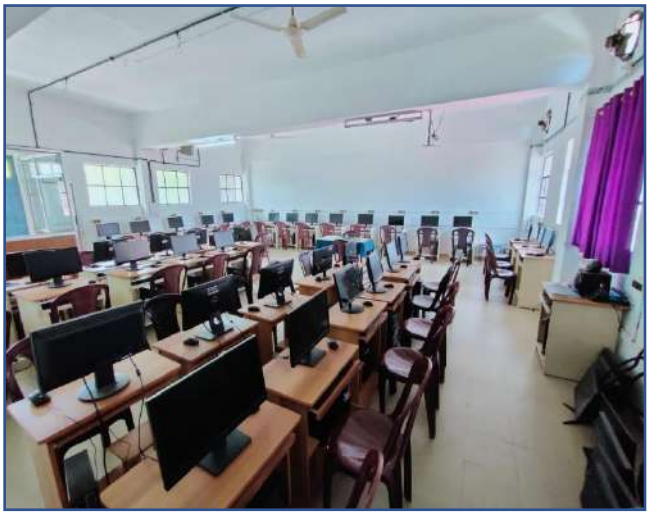
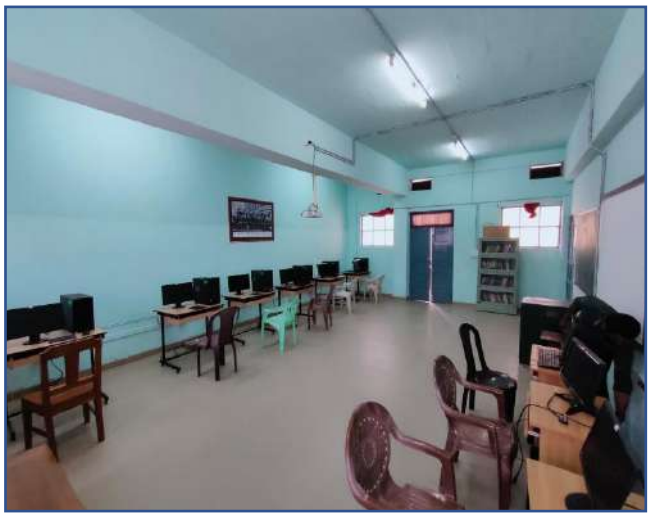
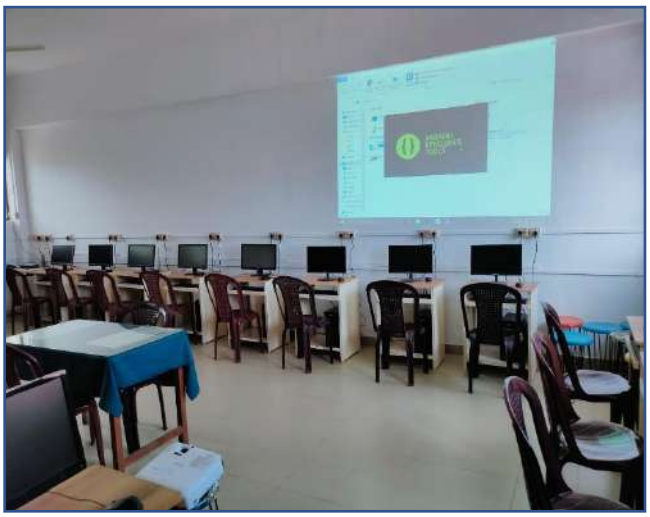
1. ICT Enabled Classrooms
2. ICT Enabled Seminar Halls

COMPUTER LABORATORIES







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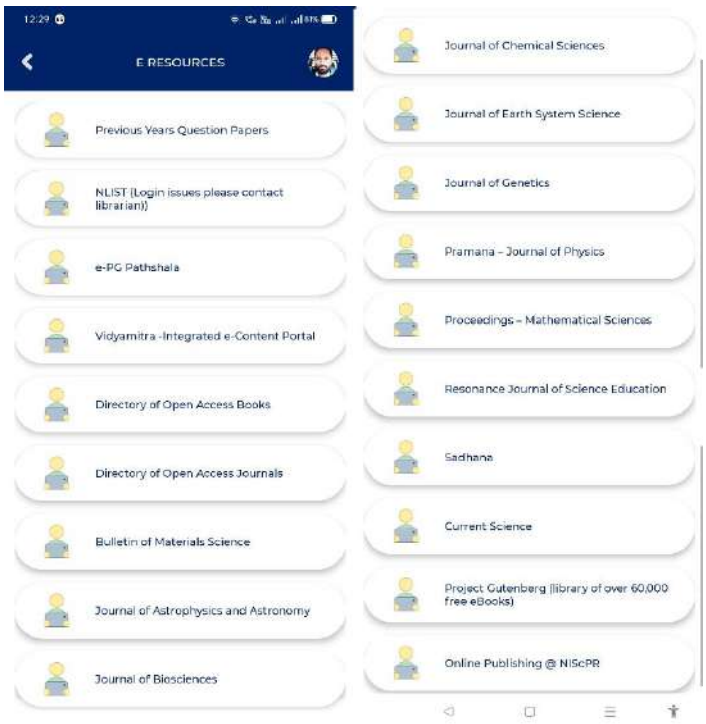
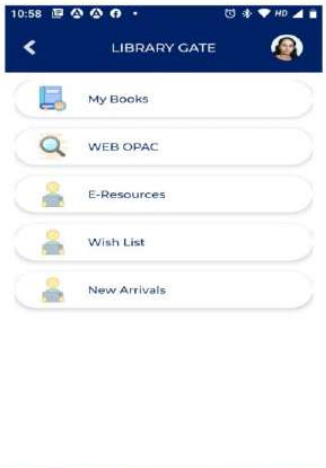
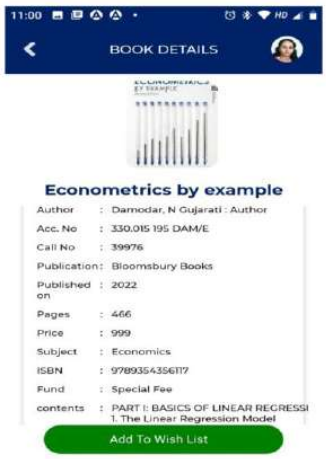
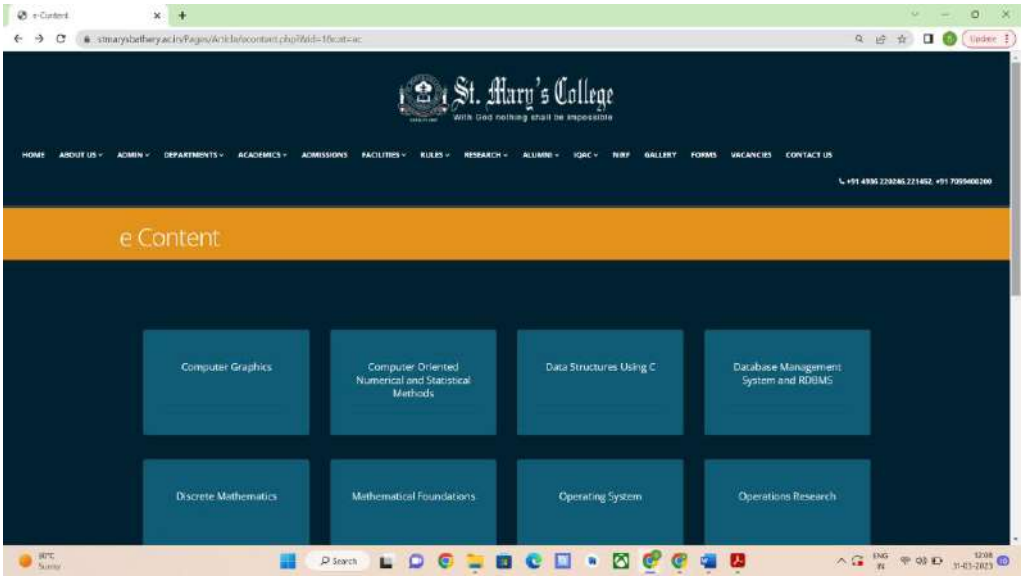
DIGITAL LEARNING REPOSITORIES





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ALUMNI
IQAC
NIRF
GALLERY
FORMS
VACANCIES
CONTACT US
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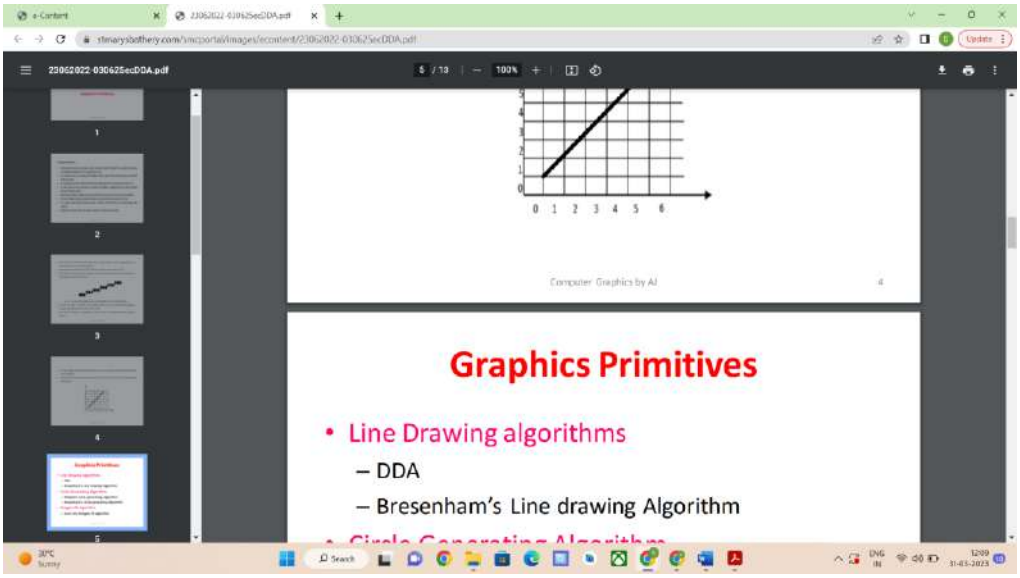
Computer Graphics
Computer Oriented Numerical and Statistical Methods
Data Structures Using C
Database Management System and RDBMS
Discrete Mathematics
Mathematical Foundations
Operating System
Operations Research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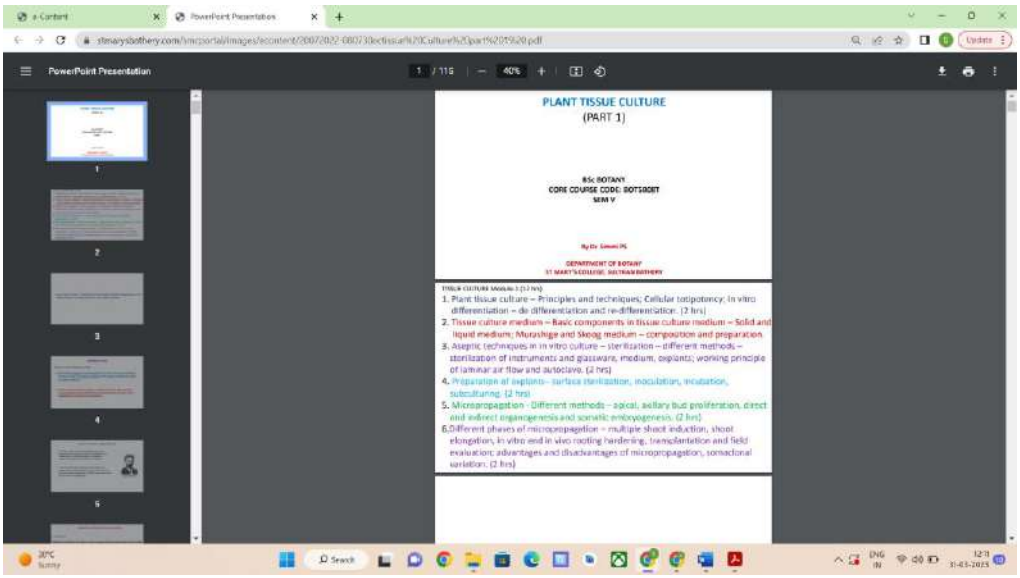
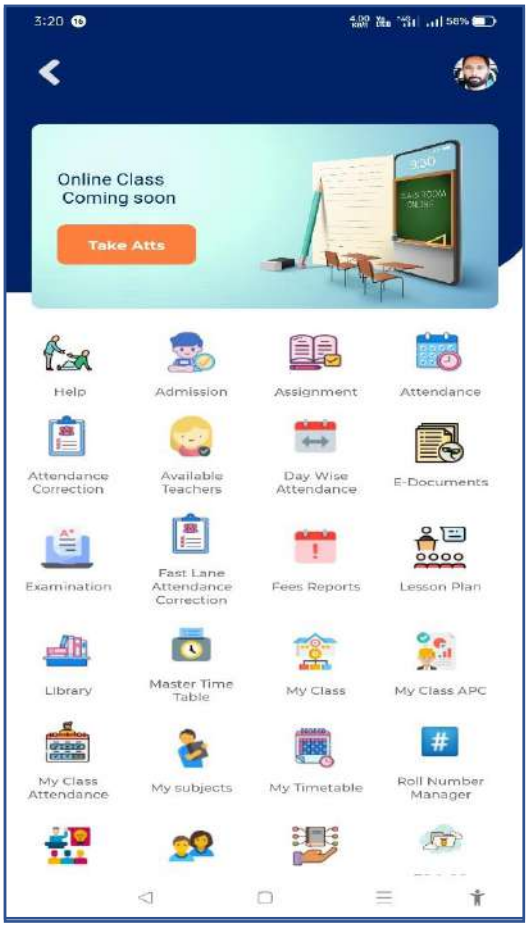
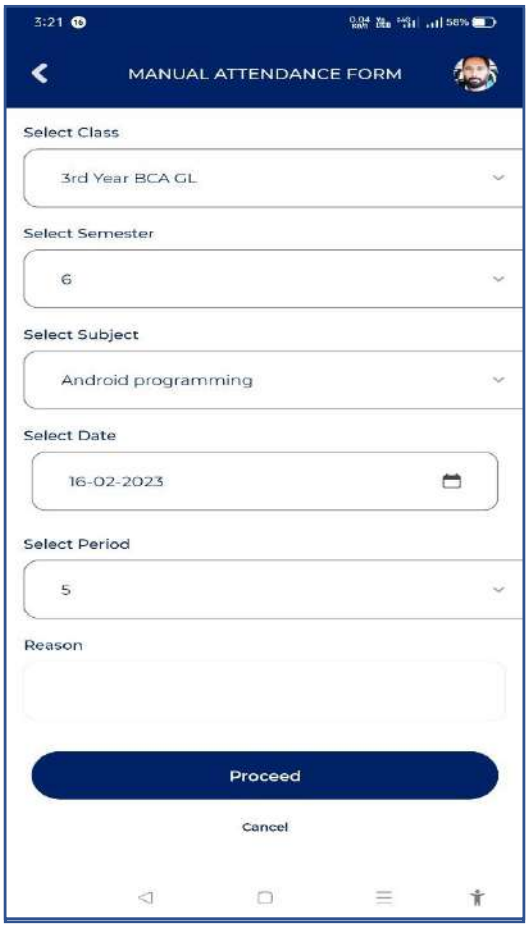
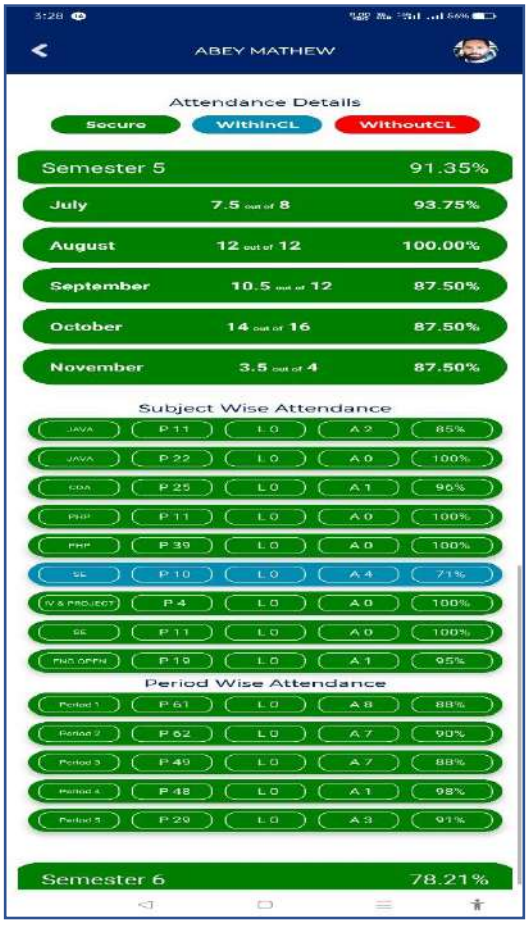
Computer Graphics by AI
Graphics Primitives
• Line Drawing algorithms
– DDA
– Bresenham's Line drawing Algorithm

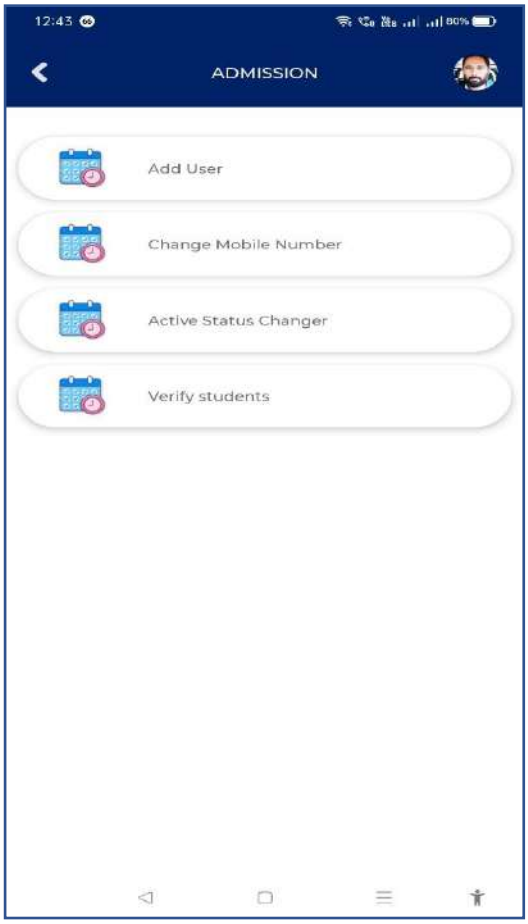

PowerPoint Presentation
PLANT TISSUE CULTURE
(PART 1)
BSc BOTANY
CORE COURSE CODE: BOT5B08T
SEM V
DEPARTMENT OF BOTANY
1. Plant tissue culture – Principles and techniques; Cellular totipotency; In vitro differentiation – de differentiation and re-differentiation. (2 hrs)
2. Tissue culture medium – Basic components in tissue culture medium – Solid and liquid medium; Murashige and Skoog medium – composition and preparation
3. Aseptic techniques in in vitro culture – sterilization – different methods – sterilization of instruments and glassware, medium, explants; working principle of laminar air flow and autoclave. (2 hrs)
4. Preparation of explants – surface sterilization, inoculation, incubation, subculturing. (2 hrs)
5. Micropropagation - Different methods – apical, axillary bud proliferation, direct and indirect organogenesis and somatic embryogenesis. (2 hrs)
6.Different phases of micropropagation – multiple shoot induction, shoot elongation, in vitro and in vivo rooting hardening, transplantation and field evaluation; advantages and disadvantages of micropropagation, somaclonal variation. (2 hrs)

ACADEMIC/ADMINISTRATION SUPPORT SOFTWARE (NECTTOs)





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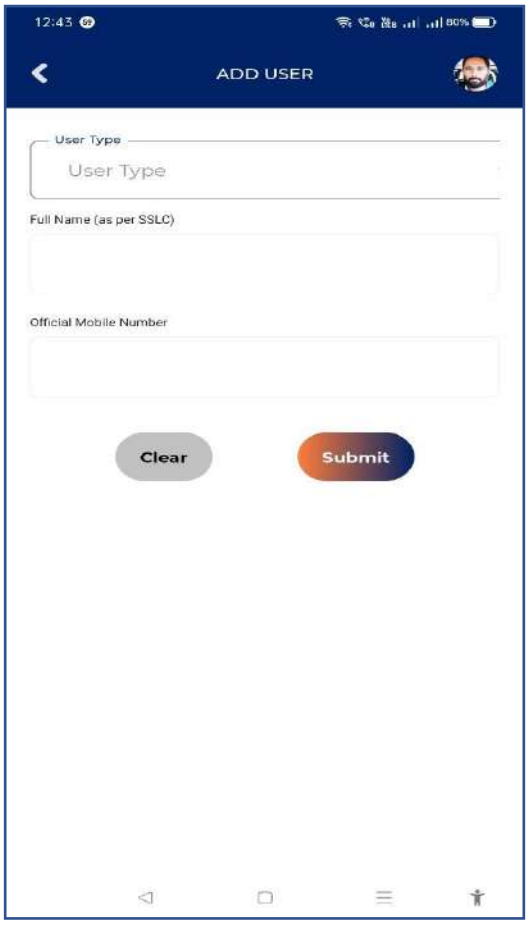
ADMISSION
Add User
Change Mobile Number
Active Status Changer
Verify students


12:43
ADD USER
User Type
User Type
Full Name (as per SSLC)
Official Mobile Number
Clear
Submit

12:44
ADD USER
Choose Student / Staff
Aarathi J S
1st Year M.Sc Phys
Aaron Biju
3rd Year B.Com Fin
Aathira Sosanna V E
3rd Year B.A Eco
Abel Adona T R
3rd Year BCA GL
Abey Baby
Staff
Abey Mathew
3rd Year BCA GL
Cancel

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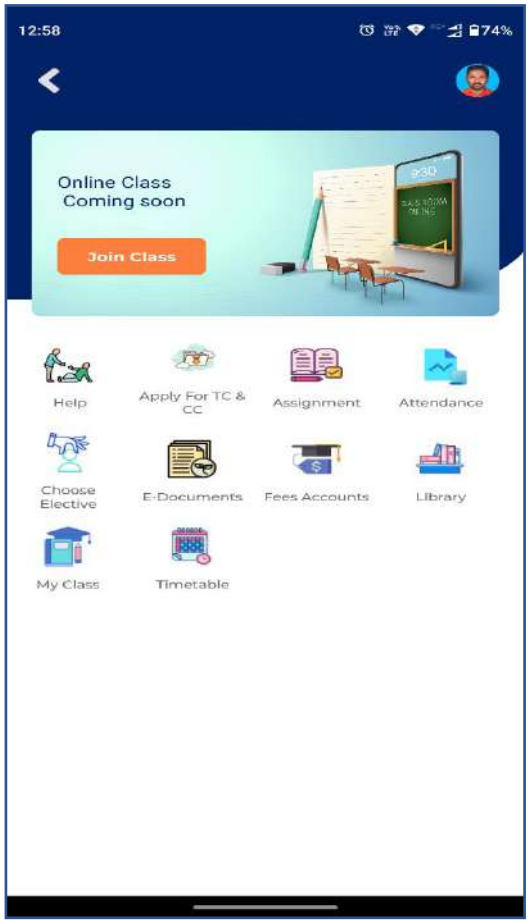
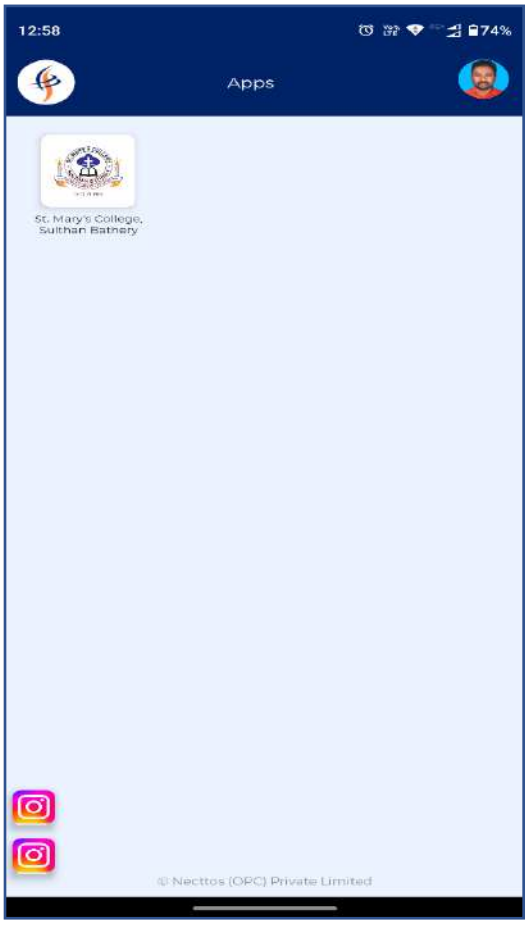
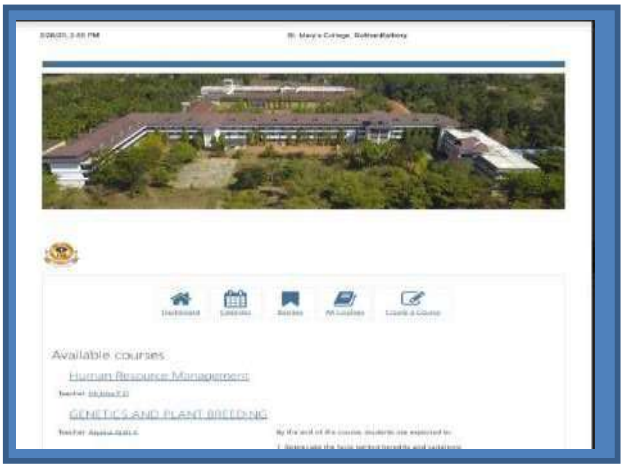
STUDENT DETAILS
Select Class
2nd Year BCA GL
Search
No Pending Admissions Found.

NECTTOS APP PARENT LOGIN





LMS MOODLE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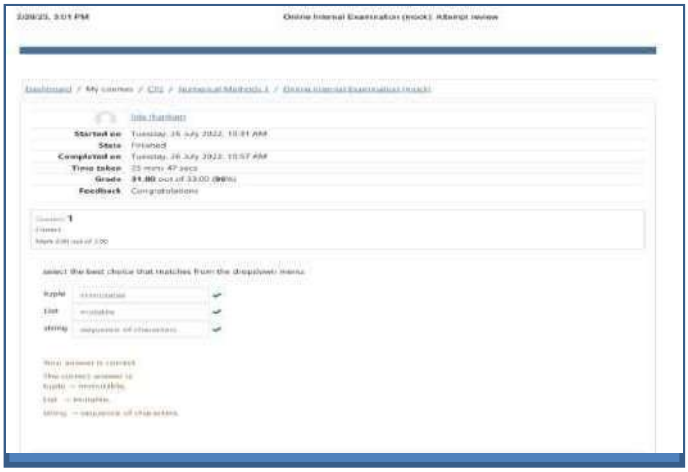

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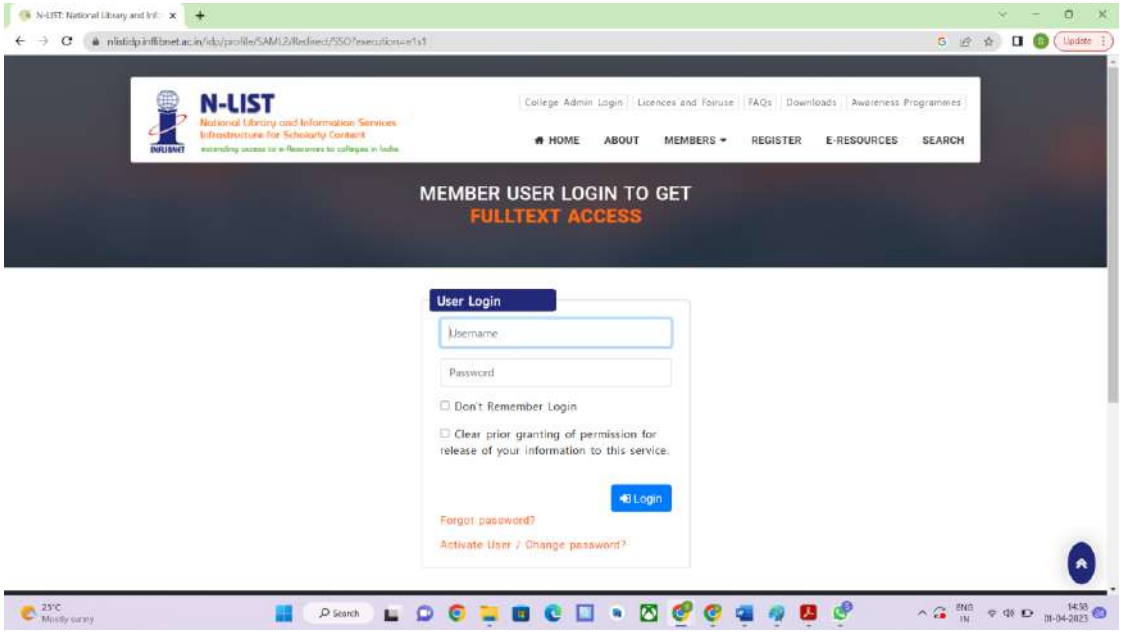

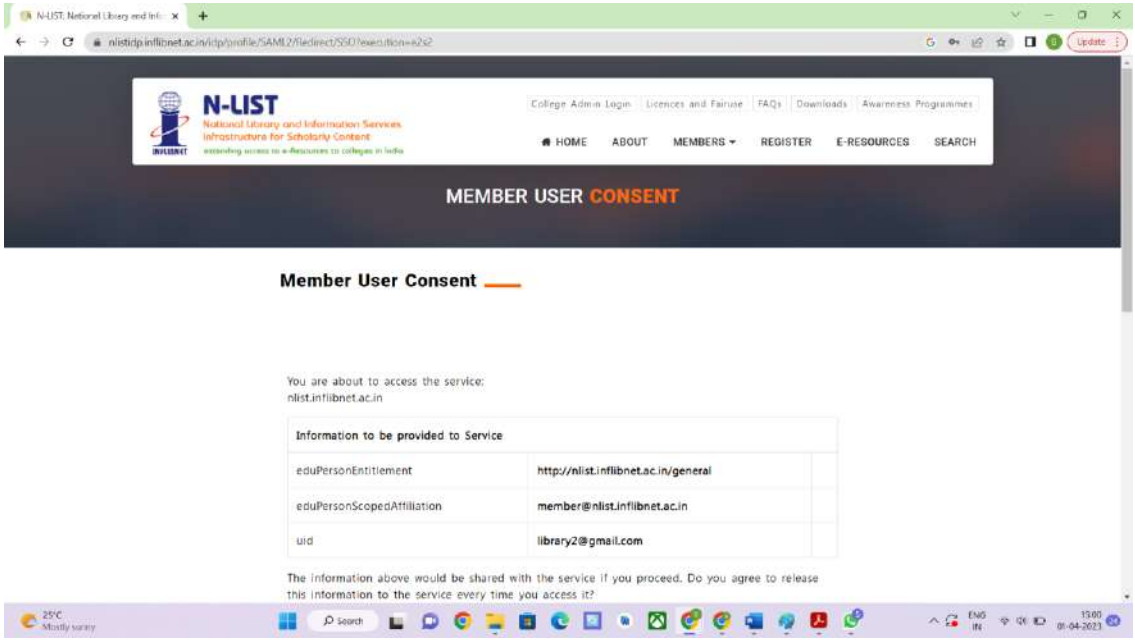

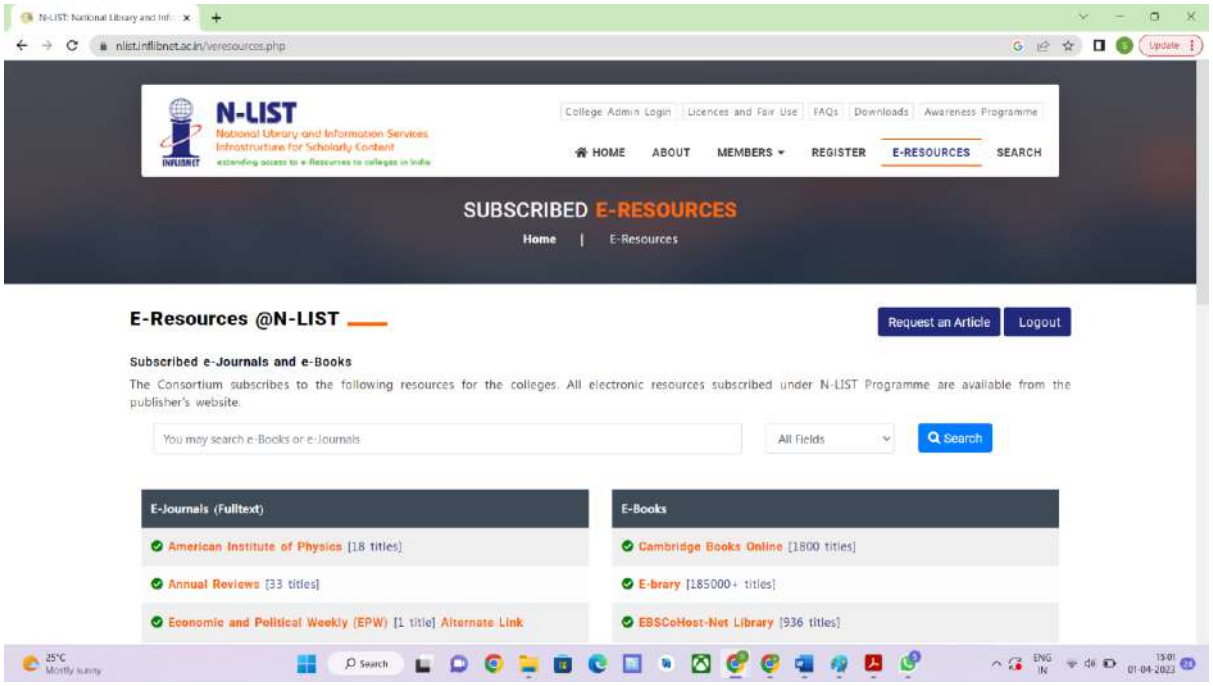
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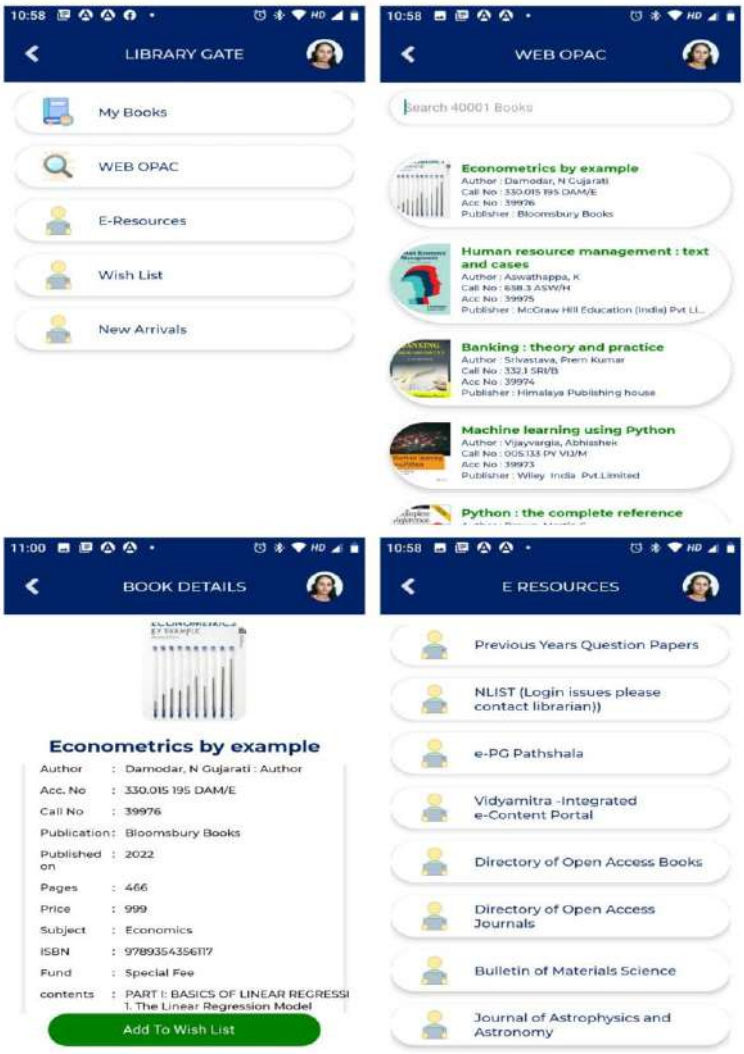
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LED SMART TVS

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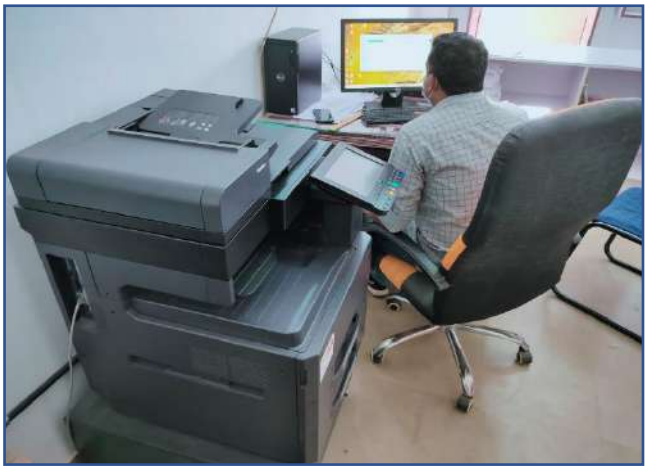
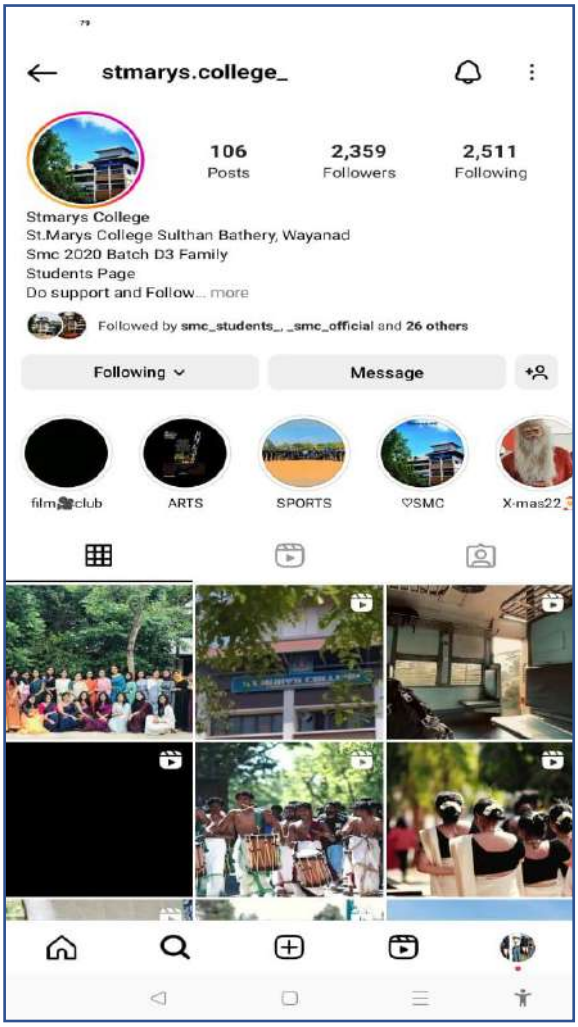
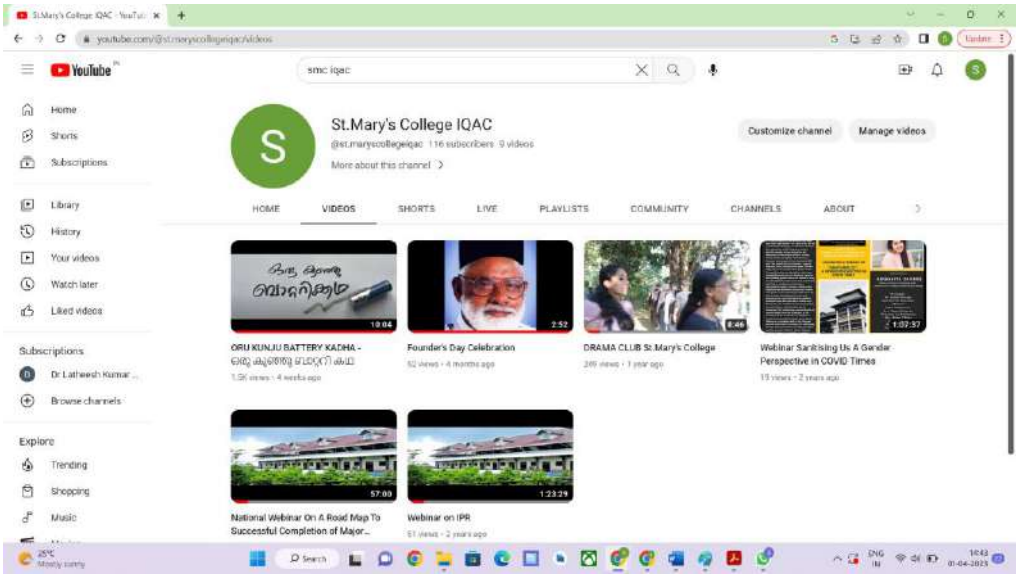
REPROGRAPHIC FACILITY



SOCIAL MEDIA PLATFORMS





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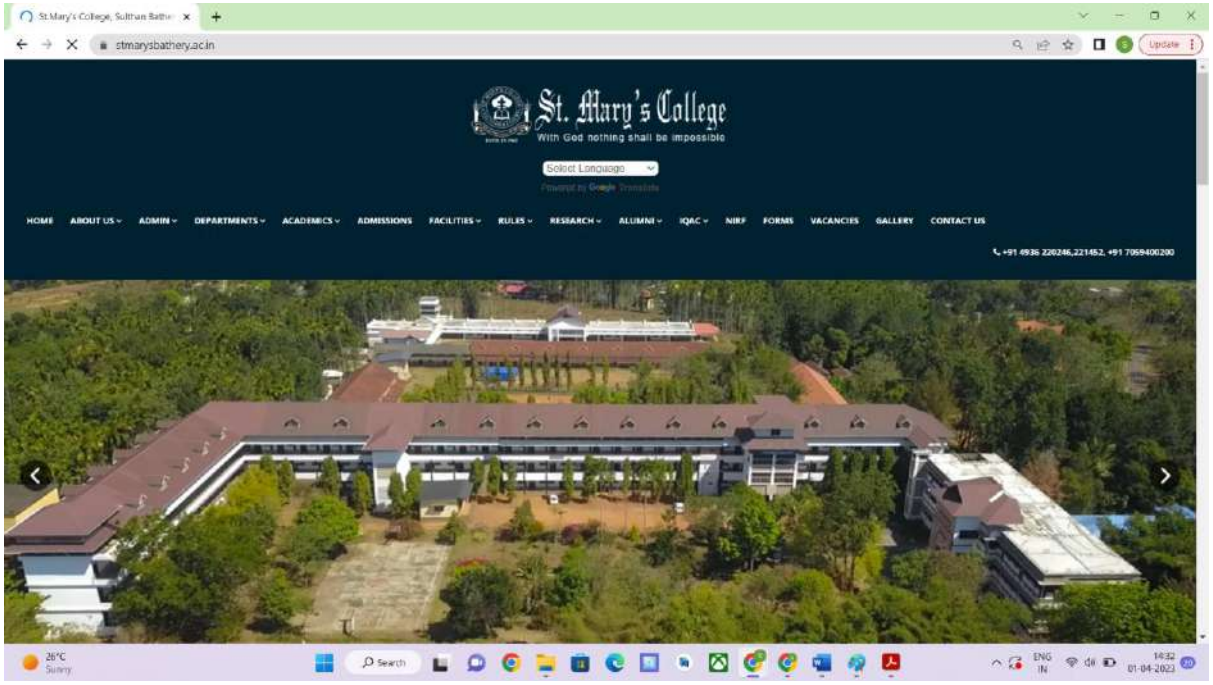

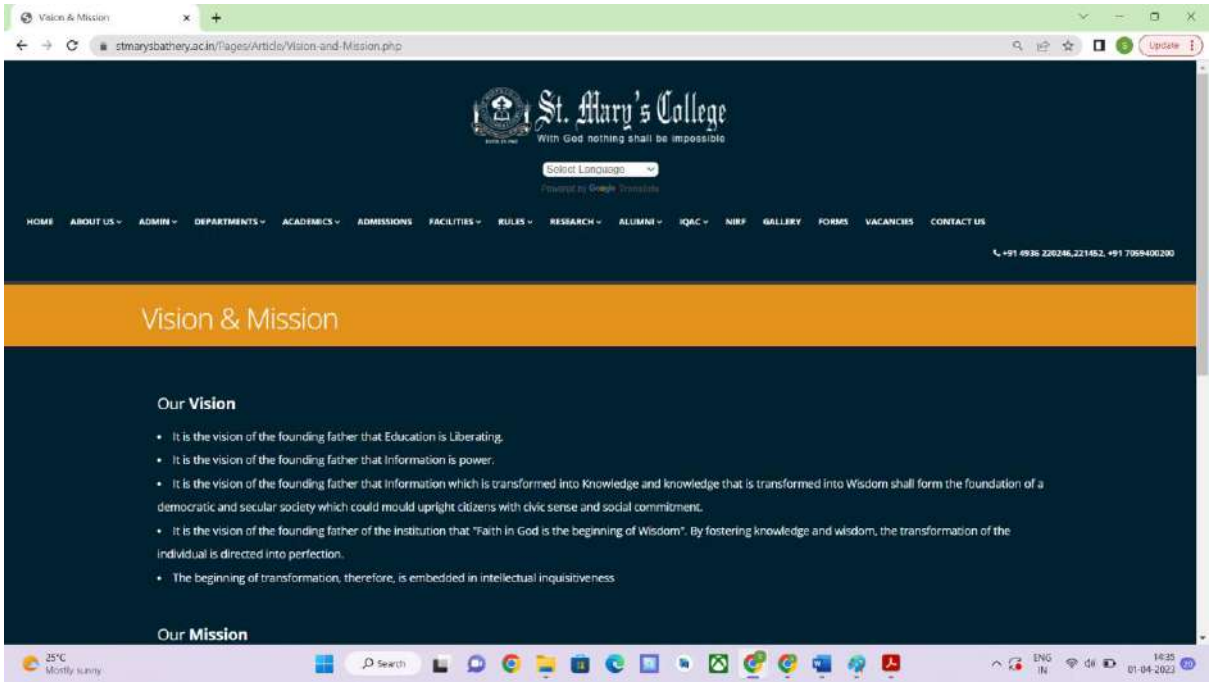

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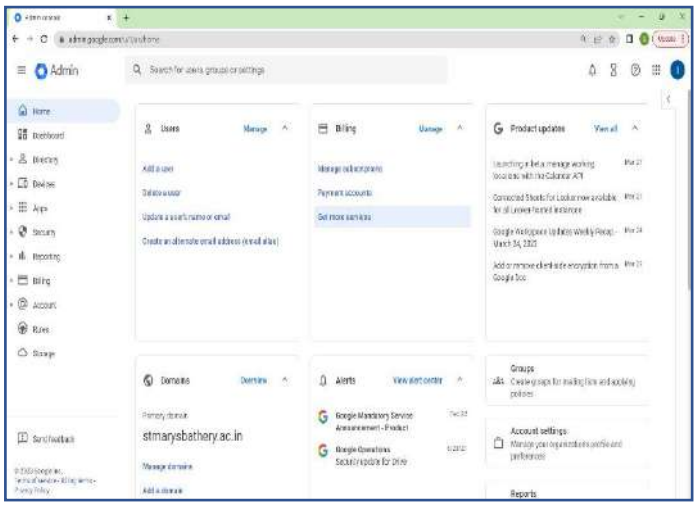
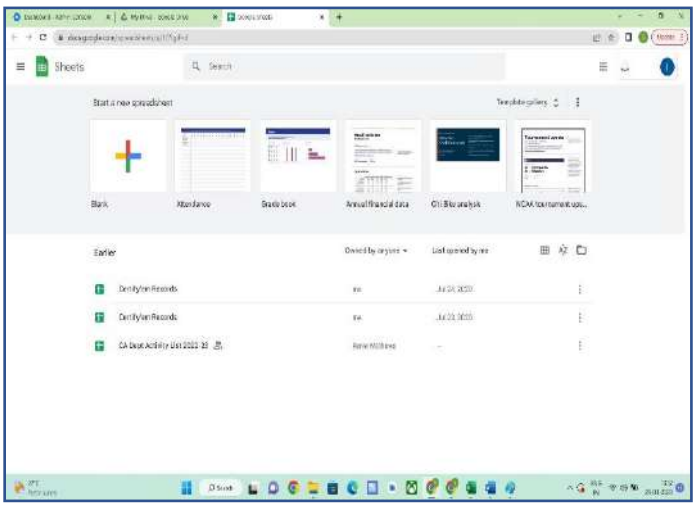
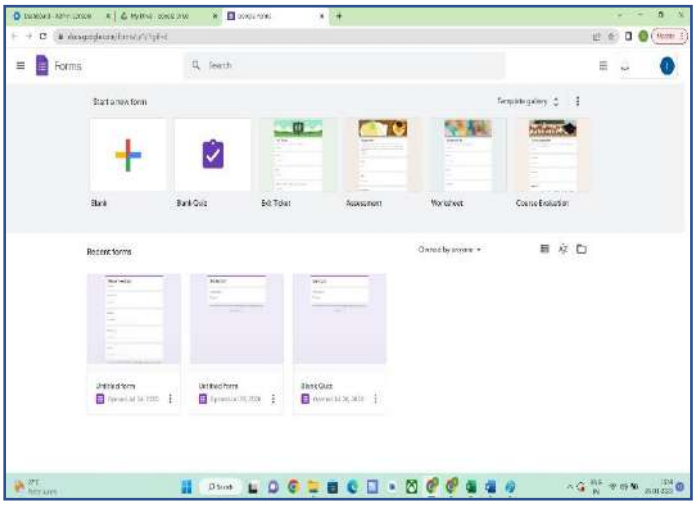
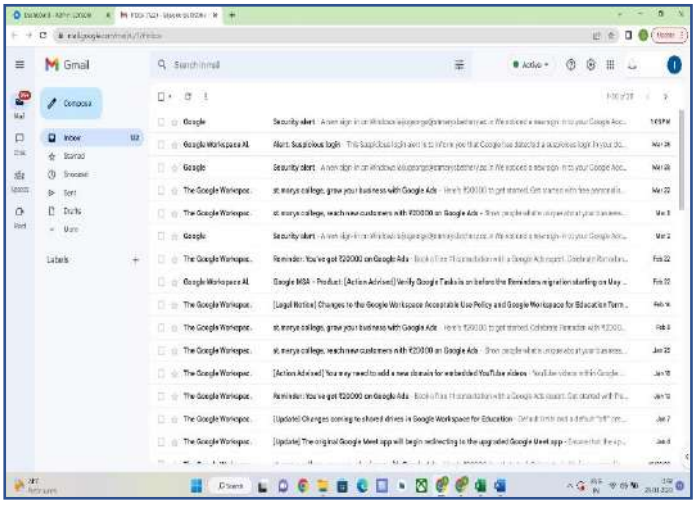
G SUITE ACCOUNT

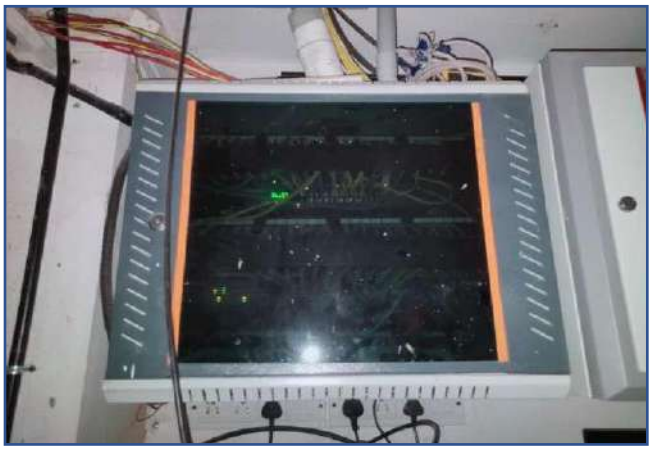








NETWORK SWITCHES



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ROUTERS AND MODEMS

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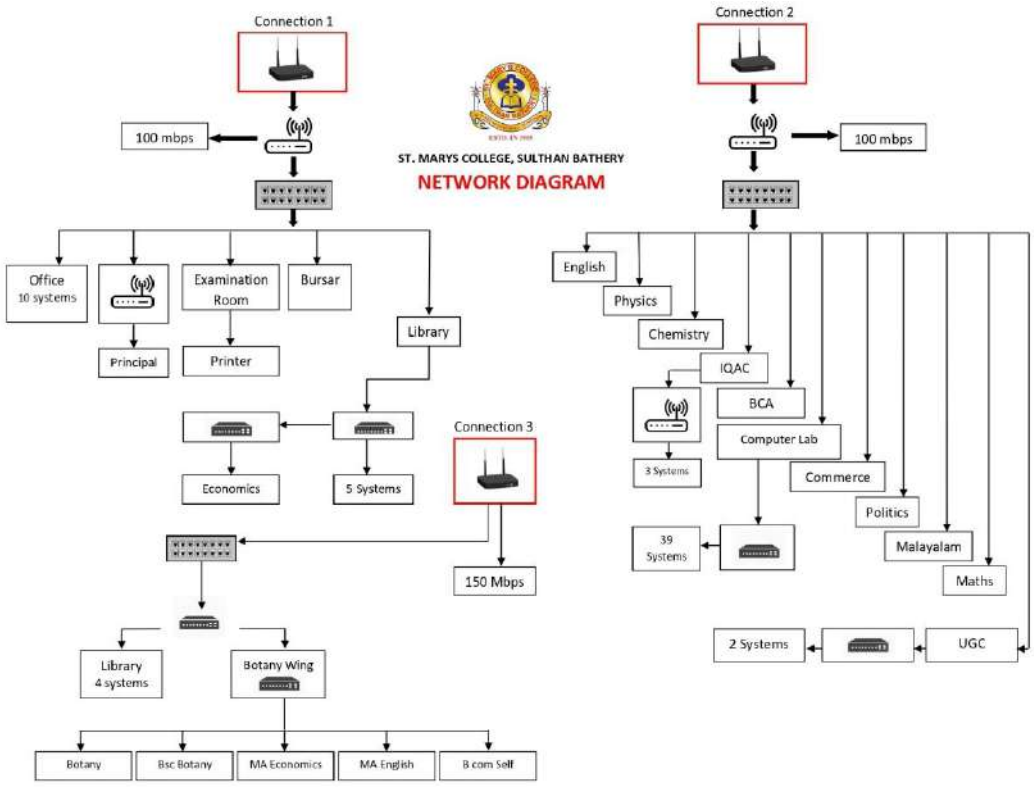
INTERNET CONNECTIVITY

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3	fh4936298246_sid	Speed Upto 100Mbps till 3300GB beyond that Upto 10Mbps	BSNL Fibre Values Plus