Criterion I
Curricular Aspects

RAJAGIRI COLLEGE OF MANAGEMENT AND APPLIED SCIENCES

RAJAGIRI VALLEY P.O, KAKKANAD, KERALA 682039

An ISO 9001 : 2015 Certified Institution

Affiliated to Mahatma Gandhi University, Kottayam and Approved by AICTE

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of Continuous Internal Assessment
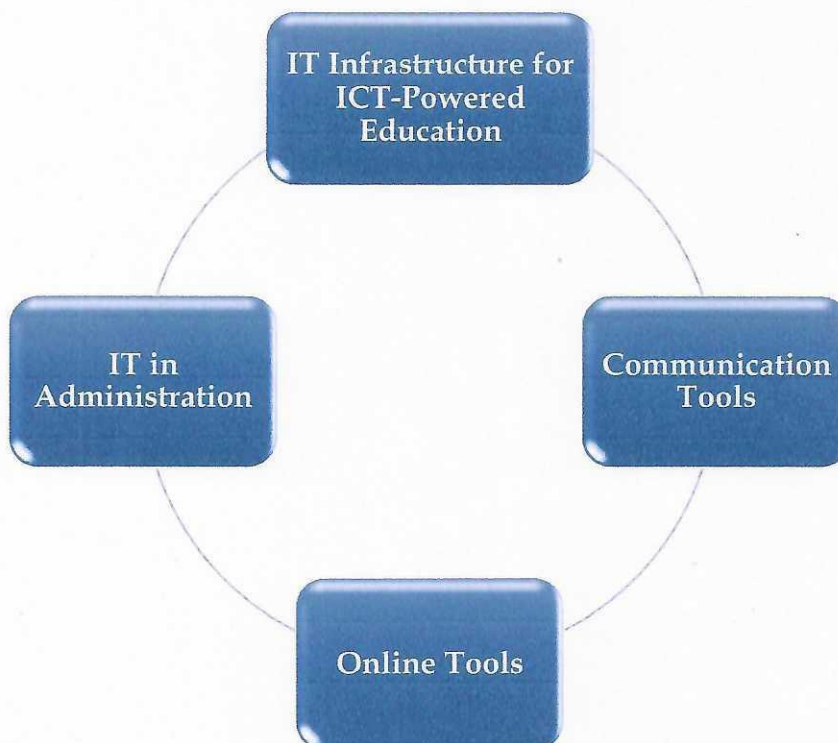
ICT Enabled Teaching Learning

RAJAGIRI COLLEGE OF MANAGEMENT AND APPLIED SCIENCES
AFFILIATED TO MAHATMA GANDHI UNIVERSITY, KOTTAYAM , APPROVED BY AICTE

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1. ICT Enabled Environment in RCMAS

Implementing IT infrastructure involves integrating advanced technologies and robust systems to support digital learning environments. This infrastructure includes high-speed internet connectivity, cloud computing resources, and secure data storage solutions to ensure seamless access to educational content. Additionally, it incorporates interactive tools such as virtual classrooms, learning management systems (LMS), and collaboration platforms to enhance student engagement and facilitate real-time communication. Effective IT infrastructure also necessitates cybersecurity measures to protect sensitive information and maintain privacy. By investing in comprehensive IT infrastructure, RCMAS College creates a dynamic and inclusive learning experience that adapts to the evolving needs of students and educators in a digital age.

IT Infrastructure for ICT-Powered Education

IT in Administration

Communication Tools

Online Tools

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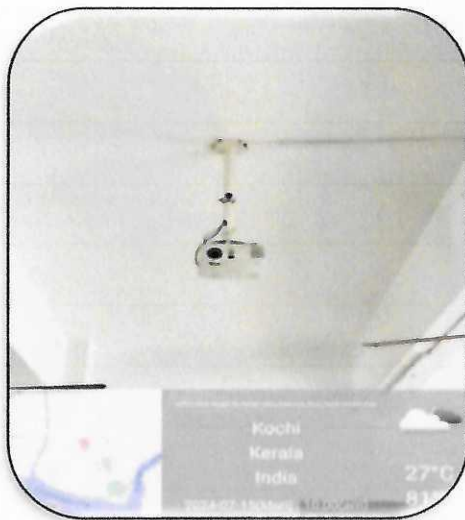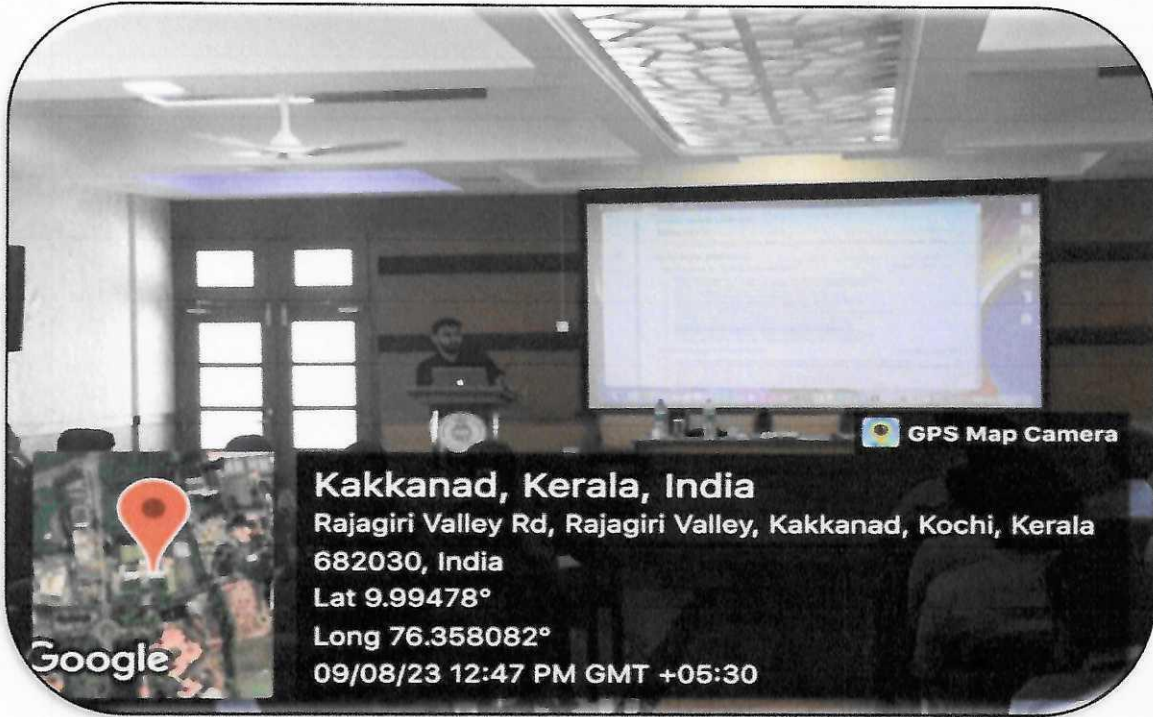## 2. IT Infrastructure for ICT-Powered Education

ICT stands for information and communication technology, which includes all technical means used to process and communicate information. ICT encompasses computer and network hardware, software, middleware, storage, and audiovisuals. RCMAS College includes an advanced digital infrastructure such as; computers, laptops, desktops, data projectors, software programs, printers' scanners and Interactive teaching box.

2.1 Interactive Classrooms

Classrooms in RCMAS are ICT enabled, with Android TV, projectors, and interactive whiteboards. This allows professors to use audio and visual resources to impart knowledge and engage students more in learning.

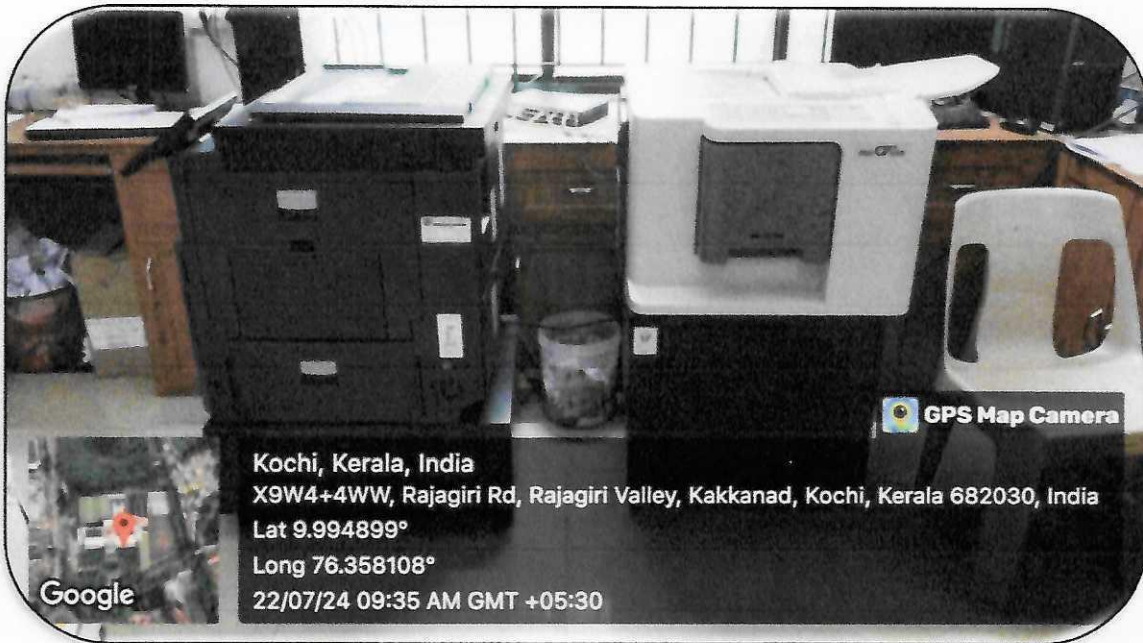Kochi, Kerala, India
X9W4+4WW, Rajagiri Rd, Rajagiri Valley, Kakkanad, Kochi, Kerala 682030, India
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Long 76.357755°
10/07/24 11:40 AM GMT +05:30

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ICT Enabled Classrooms

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2.2 Printers and Scanners

Printers and Scanners are essential for physical documentation needs. They are useful hardware needed to support ICT facilities in an institution. RCMAS facilitates printers in every floor of the campus.

Printers and Scanners

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2.3 Animation Labs

RCMAS provides access to industry-standard animation software, graphic design tools, and multimedia equipment, enabling students to practice and refine their creative and technical abilities. Through animation labs and stop motion labs, students learn to operate sophisticated equipment, conduct experiments, and analyze data.
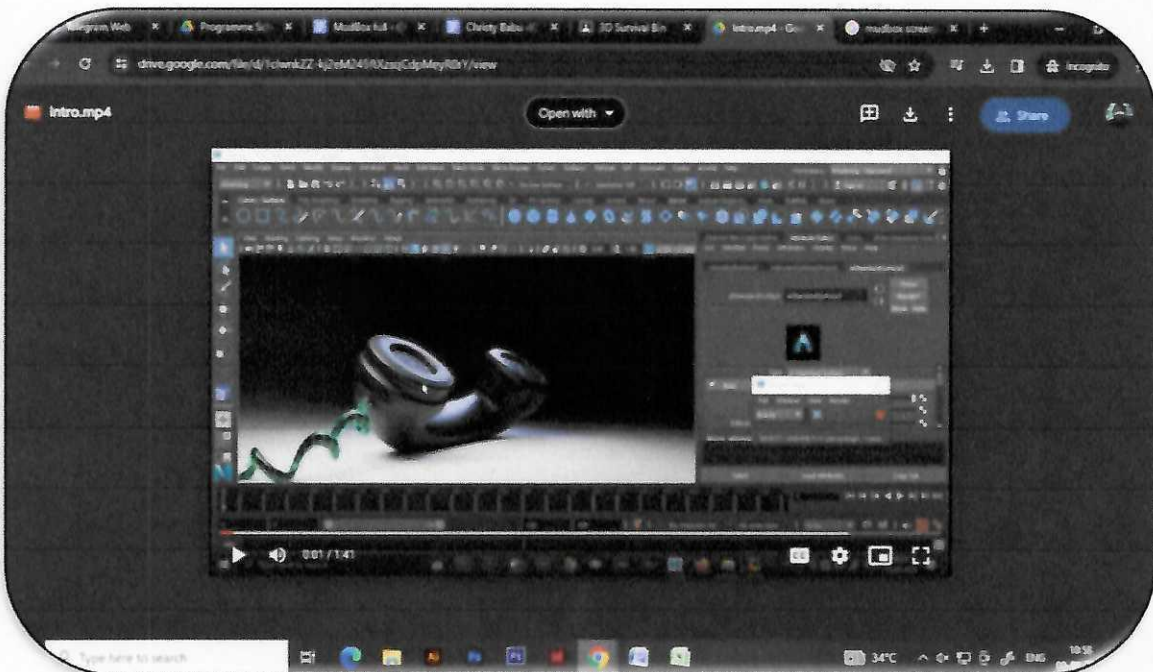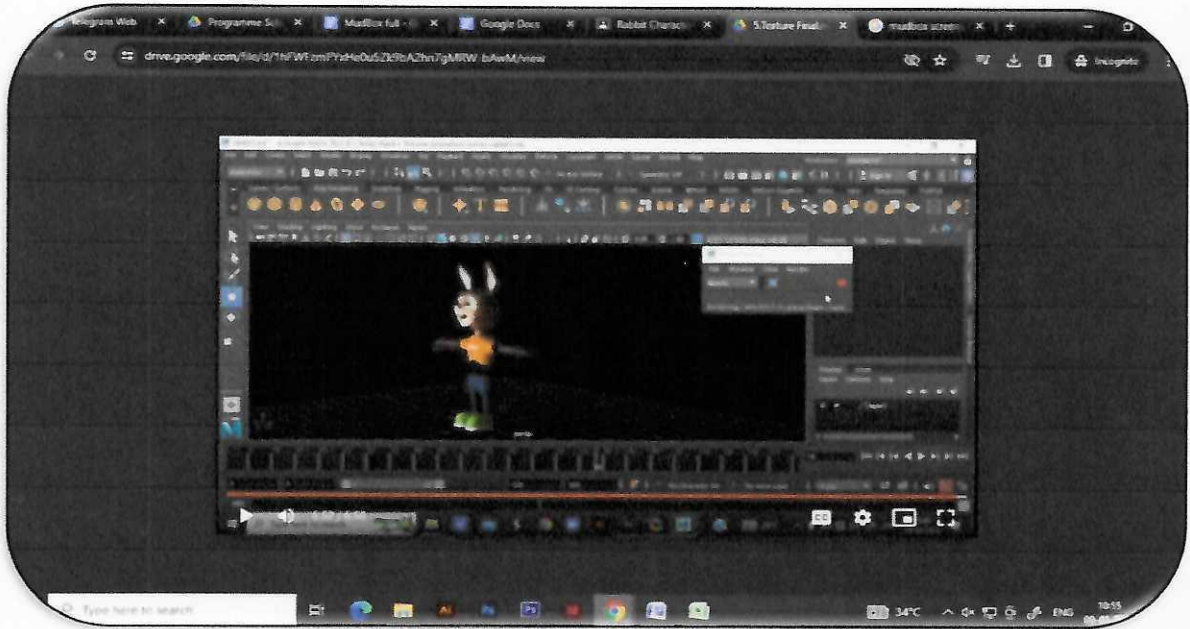

Stop Motion Lab

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Animation Lab

Techniques of Photographic Composition   **Light Box**

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Mudbox Animation Software

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IEDC HUB

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Design Studio

2.4 Computer Labs

Computers are essential for both students and educators to access and deliver content. They are needed to teach students how to use various software applications which are essential for their courses, such as programming, designing software, language and data analysis tools. Especially in the case of technical courses and subjects like computer application, animation and graphic design, good computer labs provide hands-on practical experience.

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LAB 1

LAB 2

LAB 3

Computer Labs

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2.5 Language Lab

Language labs provide an immersive environment where students can improve their language skills including grammar, writing, listening, phonetics and more, through the computer system. Students can listen to a variety of accents and dialects from native speakers, enhancing their pronunciation, accent and ability to understand different forms of the language. Audio-visual aids help in understanding the context in which certain phrases and vocabulary are used as well. Language labs provide a comprehensive environment that supports the development of language skills through interactive and personalized learning experiences.

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2.6 Wi-Fi Connections

Every floor in the RCMAS College is connected with Wi-Fi so that computers, smartphones, tablets, and other electronic devices are connected to the internet or communicate with one another wirelessly within a specific range. They provide the infrastructure needed for various academic and administrative functions, supporting students and faculty in numerous ways.
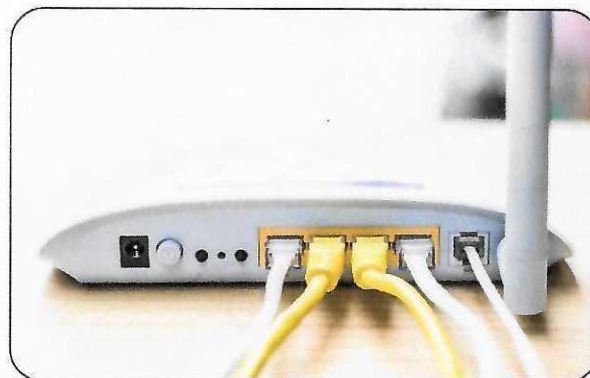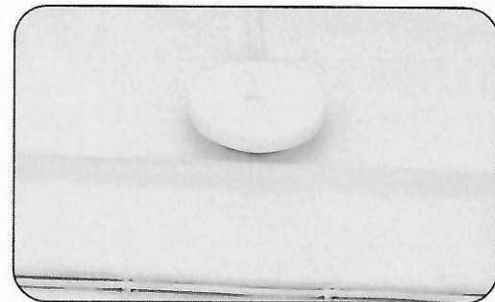
2.7 CCTV Surveillance

Every corner of the college has CCTV surveillance which ensures safety and security. This plays a crucial role in monitoring activities in public areas, providing valuable evidence during investigations. Strategically placed cameras help in real-time incident response and access control, ensuring only authorized individuals enter restricted areas. By balancing security needs with transparency and respect for privacy, the college effectively uses CCTV surveillance to create a safer campus environment.
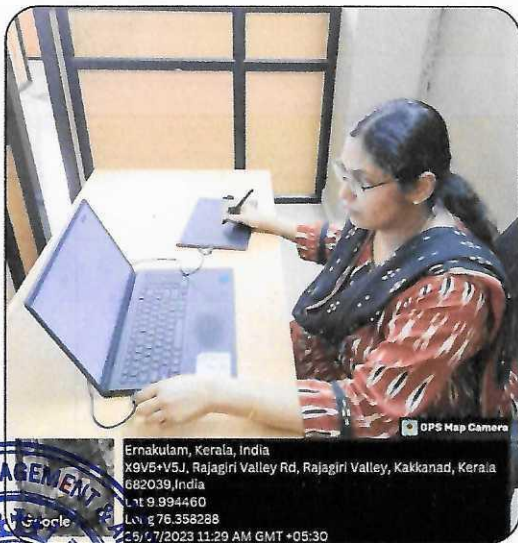
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2.8 Wacom Tablets

RCMAS College recreates the traditional classroom experience online with Wacom tablets. These tablets help faculty to write formulas and equations or annotate abstract shapes, so their students can see and understand ideas in real time. It collaborates and annotates each other's work and show their thinking in visual formats. These pen tablets are just the tools to overcome the new challenges of remote learning.

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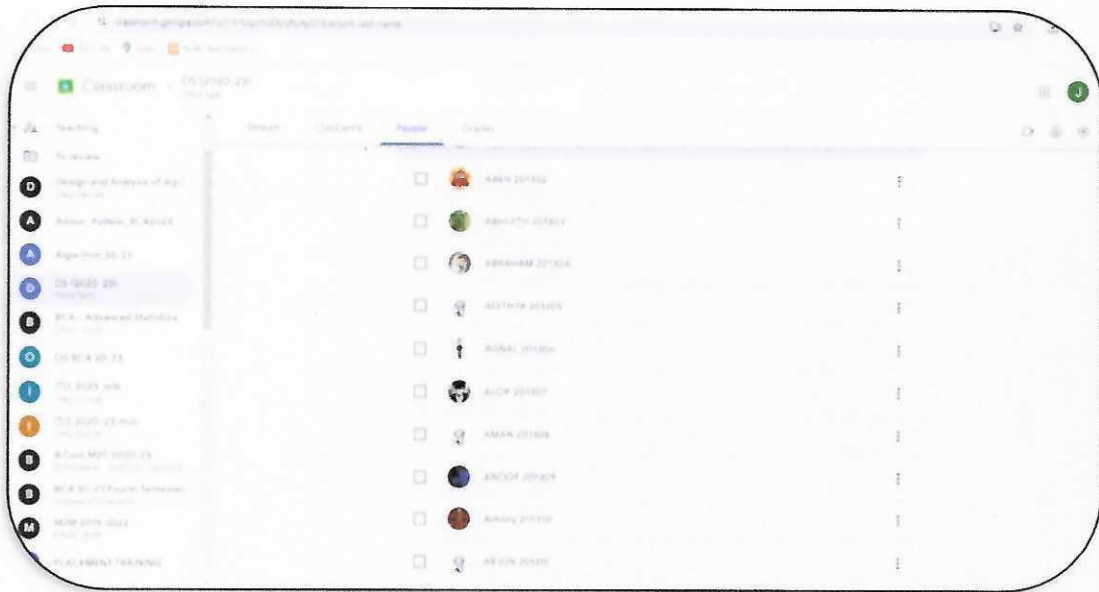www.rajagiricollege.edu.in

3. Communication Tools

Digital technology has taken the teaching-learning experience outside classrooms through video conferencing tools like Google Meet, and Zoom. Communication tools enable virtual learning and meetings, making education flexible and not bound by physical space constraints. Google Meet's breakout rooms feature allows for smaller group discussions within a larger meeting, enhancing collaborative learning. Students can collaborate on group projects through video meetings, making it easier to communicate and share ideas. Platforms like Google Classroom make the assessment process more efficient, providing students with a structured system to submit assignments and receive feedback.
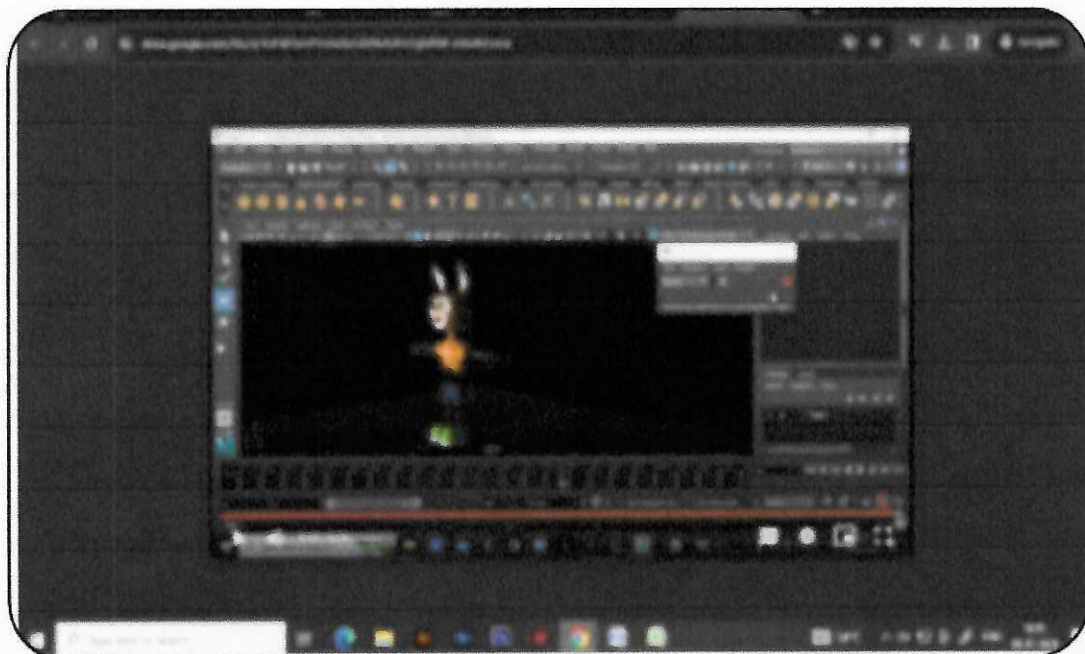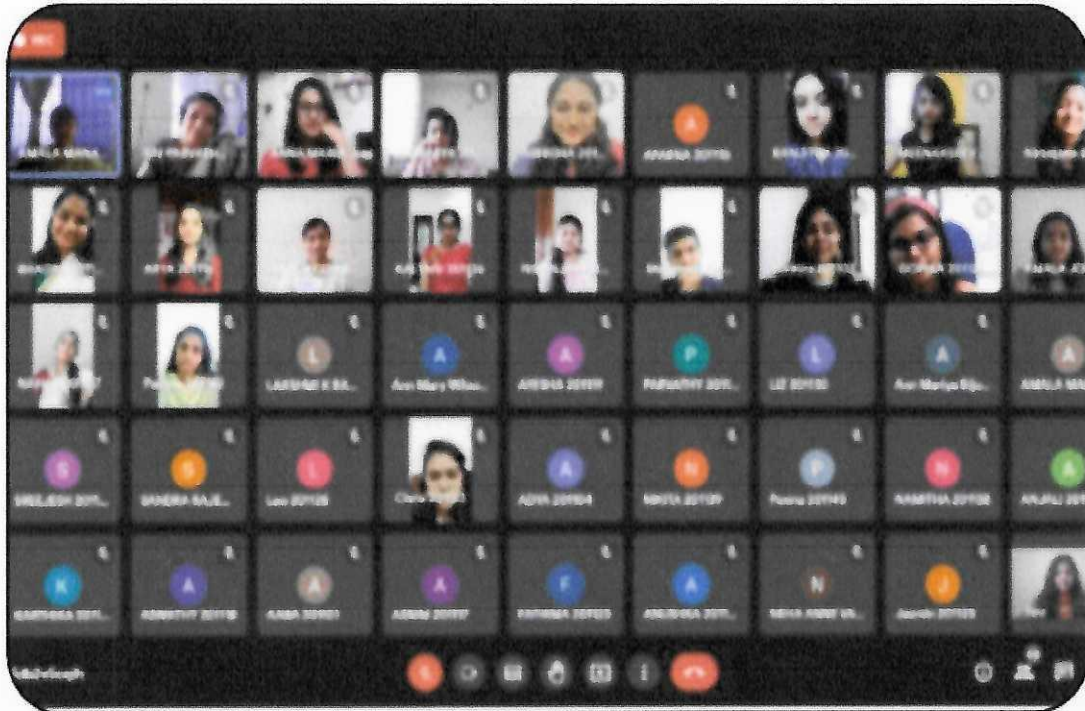
3.1 Google Classroom

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3.2   Google Meet

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4. Online Learning Tools

4.1 Kahoot

Kahoot transforms quizzes into competitive games where students answer questions in real time. Points are awarded for correct answers and speed, making learning fun and engaging. Teachers use Kahoot quizzes to assess student understanding of a topic quickly. The instant feedback helps identify areas where students might need additional support.

4.2 Mentimeter

Teachers use Mentimeter to create live, interactive presentations. Students can participate in polls, quizzes and Q&A sessions in real time using their devices. The variety of interactive elements keeps students engaged and encourages participation, even from those who might be hesitant to speak up in a traditional classroom setting.

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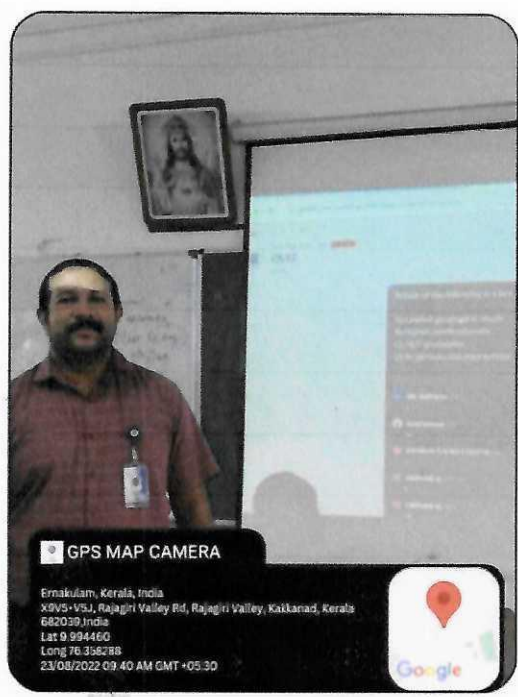www.rajagiricollege.edu.in
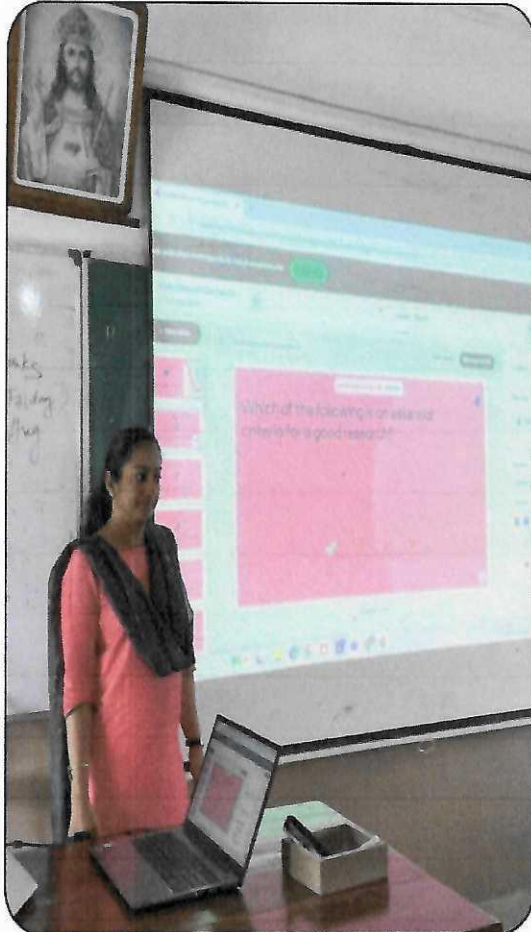
4.3 Padlet

Padlet is an online collaborative platform that allows users to create virtual boards where they can post a variety of content, including text, images, videos, links, and documents. It's widely used in educational settings to facilitate collaboration, brainstorming, and sharing of information.

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4.4 Prezi

Prezi is a cloud-based presentation software known for its zooming user interface, which allows for non-linear presentations. It offers a dynamic alternative to traditional slide-based presentations and provides a variety of templates. Multiple users can collaborate on a presentation in real-time as well.

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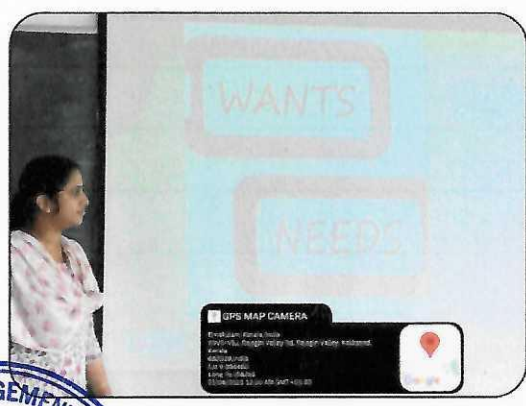
4.5 Quizlet

Quizlet is an online learning tool that allows users to create, share, and study customizable flashcards, games, and quizzes. It is particularly popular among students for memorization and test preparation. It facilitates group study sessions and peer learning and is available on various devices, making it easy to study on the go.

4.6 QuestionWell

QuestionWell is an online platform that allows educators to create, share, and manage question banks for various subjects. It supports the development of assessments and quizzes. It promotes the creation of high-quality questions through collaboration among educators.
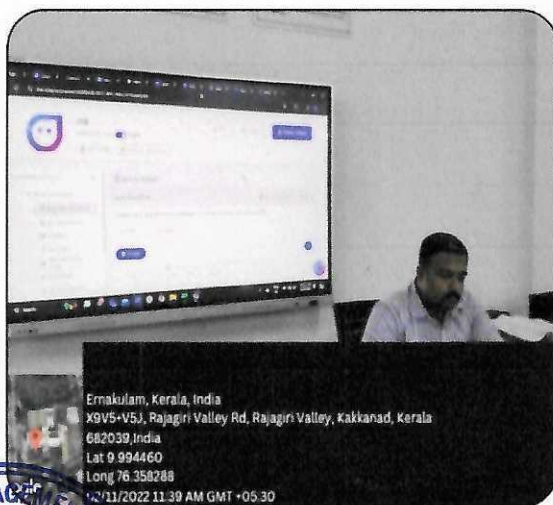
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4.7 Nolej

Nolej is an artificial intelligence-powered platform designed to assist in content creation, personalization, and adaptive learning. It uses AI to generate educational content, quizzes, and study materials based on the curriculum, thereby creating personalized and adaptive learning experiences.

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4.8 Nearpod

Nearpod emphasizes interactive and engaging lessons that provide real-time feedback and foster student collaboration, making it a powerful tool for in-class and remote learning environments. Its features like virtual reality, simulations, and collaborative boards increase student participation.
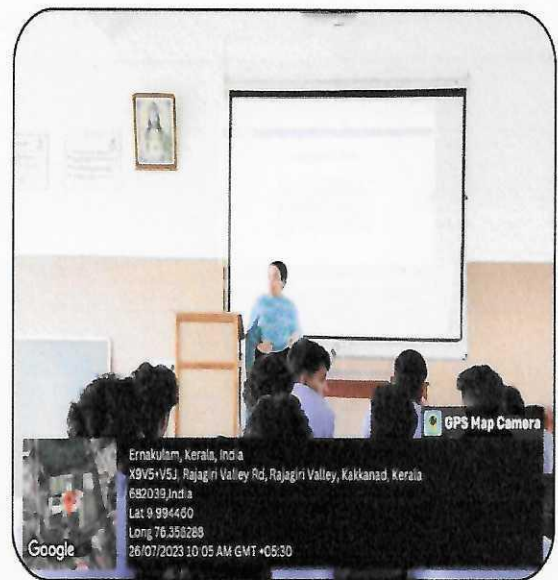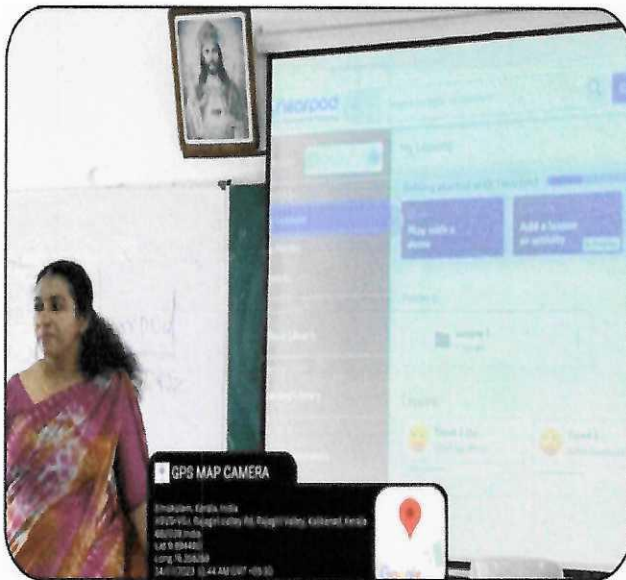
4.9 Socrative

Socrative is a cloud-based student response system that serves as an interactive teaching tool, enabling educators to engage students through formative assessments. Developed to make classroom management more efficient and learning more interactive, Socrative provides instant feedback and real-time data on student performance.

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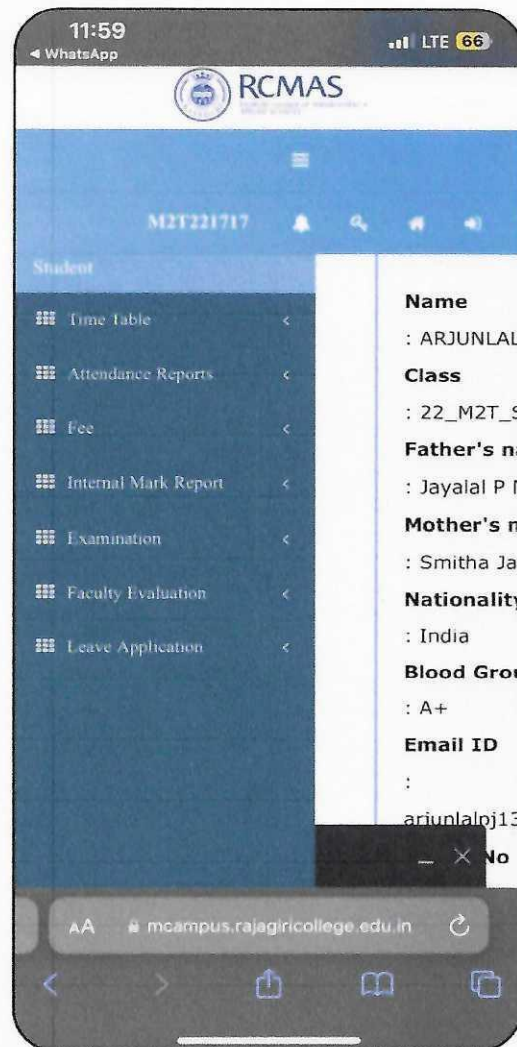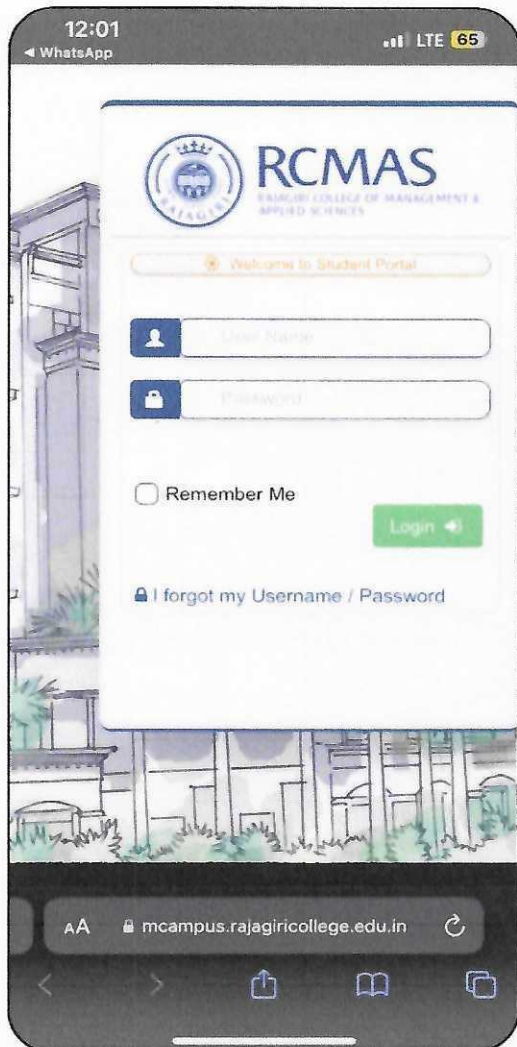www.rajagiricollege.edu.in

5. IT in Administration

Digital administration refers to the use of digital tools and systems to manage and streamline administrative tasks in educational institutions. This can significantly improve the efficiency and effectiveness of managing student-related processes by allowing educators to focus more on education. Administrative tasks concerning both students and faculty are facilitated using applications like **mCampus and Exman** in RCMAS. Digitizing administration in educational institutions offers numerous benefits for students, including efficient enrollment and registration, easy access to academic records, better resource management, improved accessibility, and a more personalized experience.
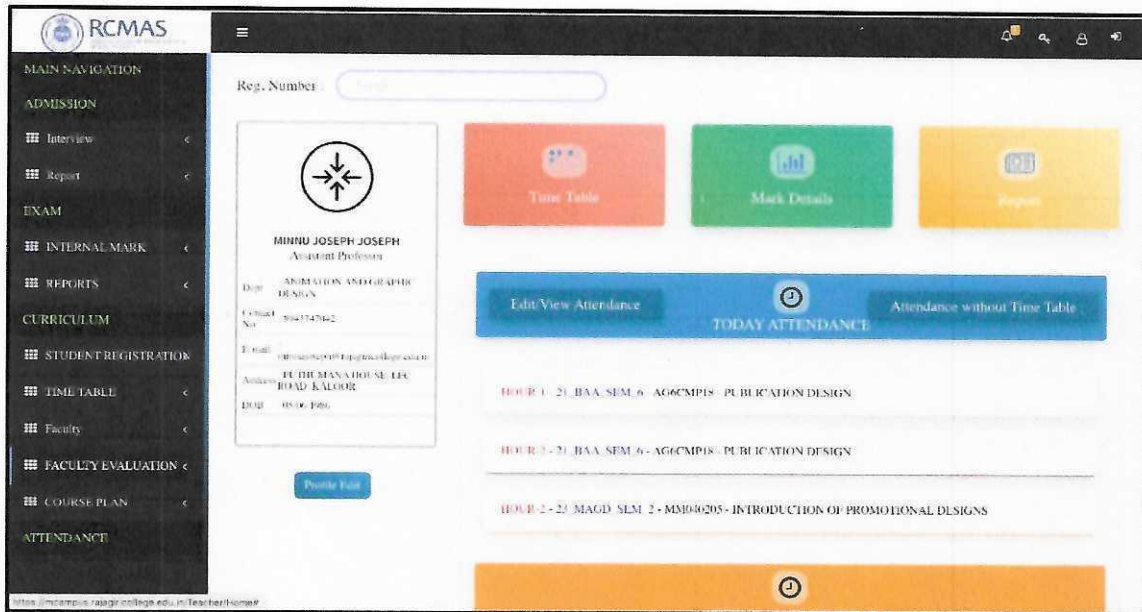
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5.1 mCampus

mCampus is an integrated, cloud-based campus management system that streamlines various academic and administrative functions. It is designed to provide a seamless digital experience for the Rajagiri College community, promoting efficient management and communication. Streamlined processes for admissions, fee payments, and other administrative tasks are done through these online portals.

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5.2 Exman

Exman is the Exam Duty Management System of RCMAS. It organises schedules, assigns duties and keeps track of exam personnel.

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Teacher Dashboard

1 Duties Taken

From: 2024/06/01   To: 2024/06/18

Exam Duty History

SI No	Date	ETA - Completed	Venue Name	Timing	Duty ID
1	2024/06/13	5 days ago	BLOCK 2	13:30 - 14:59	2,002
2	2024/04/18	2 months ago	504	15:00 - 16:29	2,021
3	2024/04/15	2 months ago	504	13:30 - 14:59	1,996
4	2024/04/16	2 months ago	BLOCK 6	15:00 - 16:29	1,921
5	2024/04/15	2 months ago	504	13:30 - 14:59	1,955

Rows per page 5 1–5 of 32 >

Upcoming Duties

No Upcomming Duties

Reliever Duty History

Leader Board

Filter By Date

From: 2024/06/01   To: 2024/06/18

SI No	Teacher Name	Department Name	Exam Duties	Reliever Duties	Special Duties	Total Duties
1	MARY ANTONY	Commerce	3	0	0	3
2	DIANA JOSEPH	Commerce	3	0	0	3
3	ASWATHY K M	Commerce	2	0	0	2
4	ELSA JACOB	Commerce	2	0	0	2
5	SREEJA KUMAR	Management (MGT)	2	0	0	2
6	PRIYA P GOPINATH	Commerce	1	0	0	1
7	TESSYMOL MATHEW	Commerce	1	0	0	1
	BRIDIN ROCHA	Commerce	1	0	0	1

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5.3 Digital ID Cards and Biometric Access

Digital ID Cards are issued to all students and staff of the college to secure access to library facilities. RCMAS College facilitates the usage of biometric access systems for staff, such as fingerprint or facial recognition punching. This offers a modern and efficient way to manage attendance, enhance security, and streamline administrative processes. These systems ensure accurate and tamper-proof attendance records, eliminating issues like buddy punching or manual errors.

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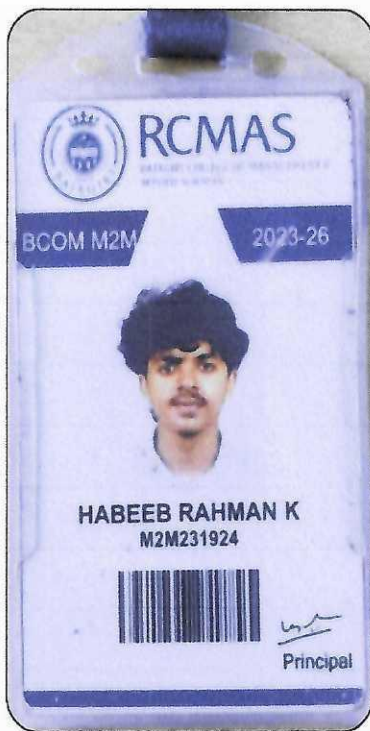
6. Conclusion

RCMAS College is dedicated to harnessing the power of Information and Communication Technology (ICT) to revolutionize the educational landscape. While integrating digital tools and infrastructure, the college aims to create a dynamic, inclusive, and future-oriented learning environment. Advanced digital classrooms, equipped with interactive displays and high-speed internet, provide students with immersive learning experiences and facilitate collaborative projects. Robust online platforms offer flexible access to course materials, assignments, and communication tools, empowering students to learn at their own pace and from diverse locations. Streamlined administrative systems optimize operational efficiency, allowing staff to allocate more time to academic advising and student support services. Furthermore, ICT-enabled research facilities provide faculty and students with the tools which are essential to conduct cutting-edge research and contribute to scholarly discourse. Through these initiatives, RCMAS College is committed to equipping students with the digital literacy and critical thinking skills required to thrive in an increasingly interconnected world.

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