INFORMATION TECHNOLOGY CENTRE

Rayburn College (Autonomous)

ANNUAL REPORT 2024-2025

Prepared By :

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1. Introduction

Rayburn College (Autonomous) Information Technology Department's year was dynamic and productive, with major improvement in digital infrastructure, cybersecurity, and support for academics. For the 2024 – 2025 academic year, the department continued to be dedicated to academic excellence, innovation, and alignment with industries. The main activities were system modernization, support for education and ensuring IT initiatives align with college strategic objectives. Besides, the department broadened its course curriculum, improved student interaction, and improved its role in the IT and ITeS industries. This report calls attention to our major accomplishments, current challenges, pertinent statistics, and strategic vision for the upcoming year.

The IT Department is mandated with the planning, implementation, maintenance, and support of all information technology systems and services at Rayburn College. Our mandate includes:

- Management of network infrastructure (wired and wireless)
- Procurement and maintenance of hardware and software
- Technical support to faculty, staff, and students
- Development and upkeep of college websites and digital platforms
- Support for e-learning programs and digital classrooms

2. Academic Offerings & Enrollment
2.1: Courses Offered

Course Category	Name of Courses	Duration	NSQF Level
Long Term IT Course	O-Level (IT)	1 Year	5
Short Term IT Courses	Computer Applications Associates (CAA)	6 Months	4
	Course on Computer Concepts (CCC)	3 Months	2
ITeS Sector Courses	Machine Learning using Python	100 Hours	ITeS

2.2: Student Enrollment

Course Category	Name of Courses	No. of Students Enrolled
Long Term IT Course	O-Level (IT)	53
Short Term IT Courses	Computer Applications Associates (CAA)	94
	Course on Computer Concepts (CCC)	206
ITeS Sector Courses	Machine Learning using Python	74
Cyber Security Awareness	Cyber Security Awareness & IT Act 2000 and 2008	127
Total		**554**

2.3: Faculty Strength

- 2 Full-Time Faculty Members
- Supporting Staff: 1

3. Academic Activities

- Conducted internal evaluations, and project final assessments successfully.

- A new elective Cybersecurity course was launched, in addition to a specialized test that was done in collaboration with ISEA and CISCO, specifically to empower women and to keep up with industry trends.

- Regular mentoring sessions and academic guidance given to poor-performing students.

4. Events and Workshops

- **Cyber Security Awareness for Women on July 2024 :** A 3-day Cyber Security Awareness for Women under the project "Capacity Building in IECT including Training in Digital Skillsets and Current Industry Demanding Technologies for various Section of Society in the NE States."

- **Tech Talk :** "Semiconductors and Electronics Devices" by Mr. Lianzamuana, Electronics and Electrical Engineering on 9th October, 2024.

- **Cyber Security Awareness for Women on January 2025 :** A 3-day Cyber Security Awareness for Women under the project "Capacity Building in IECT including Training in Digital Skillsets and Current Industry Demanding Technologies for various Section of Society in the NE States" in collaboration with Women Development Cell, Rayburn College.

- **Quiz Competition :** On the occasion of International Women's Day 2025 on the theme "Safer Digital Space - A Right for every Women and Girl" conducted by Information Security Education Awareness (ISEA), a project under the Ministry of Electronics & Information Technology (MeitY), Government of India in collaboration with Centre for Development of Advanced Computing (CDAC).

- **1st Inter-Departmental Reel Making Competition :** For all departments of UG and PG on the theme "Inside our Department; Your Journey Begins Here" from 30th April to 9th May, 2025.

5. Highlights & Achievements

- New Long Term Course i.e, O-Level in Information Technology (IT) was introduced. The duration of the course is for 1 year comprising of 2 Semesters and Major Project.

- The department's internet infrastructure has been upgraded to include static IP addresses, thereby enhancing network stability and accessibility.

- The department has evolved, now serving concurrently as both an IT training center and a cybersecurity training center.

6. Faculty Development

- Faculty attended FDP on "Securing the Future (AI & Cyber Security)" organized by Department of Computer Science & Engineering, Indian Institute of Technology (IIT) Patna, Bihar.

- Participated in Online Quiz Competition on the topic "Cyber Offences" conducted by Information Security Education Awareness (ISEA), Project Phase - II, programme by Ministry of Electronics & Information Technology (MeitY), Government of India.

- Active participation in state and national seminars and webinars.

7. Challenges and Future Outlook

7.1: Challenges

- Inadequate number of industrial internships available in rural areas.

- Requirement of on-the-job industry exposure for students.

7.2: Future Plans

- Introduction of more Long-Term Formal Courses under National Institute of Electronics & Information Technology (NIELIT) and National Institute of Electronics & Information Technology (NIELIT), Deemed to be University.

- Introduce more courses and programs in Artificial Intelligence and Cybersecurity.

- Introduction of more ITeS Sector courses.

- Providing more opportunities for internships in IT and application development training.

- Cultivate collaborative relationships and expanding network among Technical and Electronics Institutes across the country, thereby providing invaluable real-world exposure and fostering opportunities for students and faculties.

- Enhance faculty development through sponsored certifications.

8. Conclusion

At Rayburn College (Autonomous), the Department of Information Technology continues to commit to providing relevant, high-impact education and training. The 2024–2025 academic year has significantly propelled our work on innovation, inclusivity, and impact, aligning our strategic direction even further toward the ITes sector and the offering of solid short-term and long-term courses. We are determined to produce graduates who are tech-literate, ethical, and socially accountable, ready to succeed in the digital economy, and we eagerly anticipate building on this year's accomplishments to progress our purpose in the next academic year.

(GINSIANMUANG TOMBING)
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Copy to:

- *Principal/Vice-Principal (for further reference and document record)*
- *Register (for further reference and document record)*
- *IQAC Coordinator (for further reference and document record)*
- *College official website*
- *Guard File.*

Note:
- *The account department handles finance expenses separately, a separate financial report is not provided.*