



GOVERNMENT POLYTECHNICS FOR WOMEN
KAKINADA...

DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING

INNOVISION...

2025-2026

*SHAPING CONFIDENT WOMEN LEADERS THROUGH
EXCELLENCE IN EDUCATION AND INNOVISION*

THE ELECTRONICS AND COMMUNICATION ENGINEERING (ECE) ☆

Electronics and Communication Engineering (ECE) is one of the *most dynamic* and influential branches of engineering. It is the foundation of the modern digital world, *connecting people*, devices, and systems through advanced technologies. From Smartphone's and satellites to *medical equipment* and smart homes, ECE is behind many of the innovations we use every day.

The greatness of ECE lies in its ability to combine creativity with technology. *ECE engineers* design communication networks, develop intelligent electronic systems, and contribute to advancements in areas such as 5G, artificial intelligence (AI), the Internet of Things (IoT), robotics, embedded systems, and space technology. It drives innovation and supports the development *of future technologies* that shape society.

☆...DYNAMIC ECE...☆



The annual news report (2025-2026)... ☆

The academic year 2025-2026 has been a remarkable and successful year for Greenwood Public School. This year marked by academic excellence, discipline, innovation, and holistic development. The college continued its commitment to providing quality technical education while encouraging students to excel in academics, co-curricular, and extracurricular activities.. ☆

The new academic year commenced with great enthusiasm, and students actively participated in orientation programmes, technical seminars, workshops, and industrial visits that enhanced their practical knowledge and professional skills. Faculty members continuously guided the students through innovative teaching methods and skill-based learning activities.

A Parent-Teacher Meeting was successfully organised by the Department of Electronics and Communication Engineering (E.C.E) on 10th July 2025. The meeting strengthened the relationship between parents and faculty by discussing students' academic progress, attendance, discipline, and career development. Parents appreciated the efforts of the institution in providing quality education and guidance. As we conclude another successful academic year, we express our heartfelt gratitude to the management, Principal, faculty, non-teaching staff, parents, and students for their continuous support and cooperation. We look forward to achieving greater milestones in the years ahead with the same spirit of excellence, dedication, and teamwork... ☆

“SETTING THE STANDARD IN EDUCATION: 100% CAPACITY REACHED”

MEGA PARENTS MEETING...

Department: Electronics and Communication Engineering

Institution: Government Polytechnic for *Women*

Date: 10 July 2025

The Department of Electronics and Communication Engineering (ECE), Government Polytechnic for Women (GPW), successfully conducted a **Parents' Meeting** on **10 July 2025**. The *meeting* was organized to strengthen the partnership between parents and the institution in supporting students' academic progress and overall development.

The *Head of the Department* and faculty members welcomed the parents and provided an overview of the department's academic activities, curriculum, attendance requirements, examination system, and placement opportunities. Parents were informed about the importance of regular attendance, timely completion of assignments, participation in *laboratory sessions*, and involvement in co-curricular and extracurricular activities.

Faculty members discussed each student's academic performance, attendance, classroom behavior, and areas where improvement was needed. *Parents* actively interacted with the faculty, shared their concerns, and sought guidance on supporting their daughters' education and career goals.

The meeting concluded with an interactive feedback session, during which parents appreciated the efforts of the department in maintaining regular communication and providing quality education. The faculty assured parents of their continued support in helping students achieve academic excellence and develop the skills required for *successful* careers.

The Parents' Meeting was highly productive and strengthened the collaboration between parents and the institution, contributing to the holistic development of the student's creativities.

GUEST LECTURE...

A guest lecture on **Free Space Optical Communication** was conducted at **Government Polytechnic for Women** on **04/09/2025**. The program focused on the principles, applications, advantages, and challenges of free space optical *communication technology*. Participants gained knowledge about high-speed wireless optical data transmission, its role in modern communication systems, and its future applications in *networking* and Telecommunication.

During the lecture, the importance of practical knowledge, technical skills, communication abilities, and career planning was discussed. Students were encouraged to improve their problem-solving skills and participate actively in technical activities, seminars, and workshops.

The program focused on the principles, applications, advantages, and challenges of free space optical *communication technology*. Participants gained knowledge about high-speed wireless optical data transmission, its role in modern communication systems, and its future applications in *networking* and Telecommunication. Students were encouraged to improve their problem-solving skills and participate actively in technical activities, seminars, and workshops.

The session concluded successfully with active participation from students and faculty members. Such guest lectures help students gain confidence, improve technical awareness, and prepare for future professional challenges.

FRESHERS AND FAREWELL CELEBRATIONS...



program was organized by the faculty and students of Government Polytechnic, Kakinada on 10/09/2025 to bid goodbye to the *outgoing students* in a memorable way. The **Fresher's and Farewell Celebration** was held at **Government Polytechnic for Women (GPW), Kakinada** on **10/09/2025**. The event was organized to warmly welcome the first-year students and bid a heartfelt farewell to the outgoing final-year students.

The fresher were welcomed into the GPW family *with enthusiasm* and encouraged to actively participate in both academic and extracurricular activities.

A farewell event was conducted in a warm and emotional atmosphere, celebrating the journey and achievements of the final-year students.



Students of junior batches organized cultural performances including songs, dances, and speeches to make the event lively and entertaining. Some of the outgoing students also shared their experiences, expressing gratitude towards the faculty and the institution for their constant *support and guidance*.

A few fun activities and memory-sharing sessions were also conducted, which brought both laughter and emotional moments. Mementos and certificates were presented to the final-year students as a token of remembrance.

The event concluded with a vote of thanks, followed by group photographs capturing the beautiful memories of the day. The farewell program ended on an emotional ..

APPRECIATION OF STUDENTS SELECTED FOR DISTRICT MEET ...



It is a matter of great pride that students of GPW College have been selected for the State Level Meet based on their excellent performance in the IPSGM Spot District Meet held on **16 December 2025**.

We sincerely appreciate and congratulate all the selected students for their hard work, dedication, and outstanding performance. *Their achievement* brings honor to the institution and reflects the continuous encouragement and guidance provided by the faculty.

We also acknowledge that this selection process has already been completed and recorded following the district-level competition.

Once again, heartfelt congratulations to all the selected students for their success and best wishes for their performance at the State Level Meet.

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We sincerely appreciate and congratulate all the above students for their excellent performance, dedication, and hard work. Their achievement is a reflection of their commitment and the *continuous support* and encouragement from the faculty and department...

We wish them all the very best for their participation in the District Level Meet and for their future success.

APPRECIATION FOR STUDENTS SELECTED FOR STATE MEET...



It is a matter of great pride that students of GPW College have been selected for the State Level Meet based on their excellent performance in the IPSGM Spot Event held on **27/01/2026...**

We sincerely appreciate and congratulate all the selected students for their hard work, dedication, and outstanding performance. Their achievement brings honor to the institution and reflects *the continuous encouragement* and guidance provided by the faculty and staff.

This selection has already been completed and duly recorded as part of the state-level selection process.

Once again, heartfelt congratulations to all the selected students and best wishes for their continue disuccess.

CAREER GUIDANCE PROGRAM...

A **Career Guidance Program** was successfully conducted on **20-12-2025** for the **Electronics and Communication Engineering (ECE) Department** students at **Government Polytechnic for Women**



The program was organized with the active support of the *ECE Department faculty* and was led by distinguished *alumni* of the department. The interactive session encouraged students to clarify their doubts regarding career planning and professional development.

The alumni shared their valuable experiences, career journeys, and insights into various career *opportunities available* after completing the diploma in ECE.

The interactive session encouraged students to clarify their doubts regarding career planning and professional development. The alumni motivated the students by sharing real-life experiences and practical suggestions for achieving *their career goals*.

- Set realistic career goals.
- Improve decision-making skills.
- Prepare for interviews and employment.

In conclusion, career guidance helps students make informed choices and prepare for a successful future. With proper planning, dedication, and continuous learning, every student can achieve their career goals and contribute positively to society.

CYBER SECURITY PROGRAM AT GPW KAKINADA...

Cyber Security Awareness Program was



conducted at Government Polytechnic for Women (GPW), *Kakinada on 08-01-2026*. The main objective of the program was to create awareness among students about the importance of cyber safety in the digital world.

The session focused on protecting personal data and using the internet in a safe and responsible manner.

The speaker explained different types of cyber threats such as hacking, phishing, online frauds, identity theft, and malware attacks. *Students were guided* on how to create strong passwords, avoid suspicious links, and protect their social media accounts. The importance of not sharing personal or banking information with unknown sources was also highlighted.

The program was interactive and informative, where students actively participated and clarified their doubts regarding online safety. Overall, the session helped students understand safe internet practices and the need to stay alert in the digital environment.

ANNUAL DAY CELEBRATION AT GPW KAKINADA...

The Annual Day celebration was held at the Government Polytechnic for Women (GPW), Kakinada on 13-03-2026 with great enthusiasm and joy. The event marked *a memorable occasion* for students and faculty to come together and celebrate the achievements of the academic year. The program began with the lighting of lamp by the chief guest, followed by the welcome speech. Various cultural activities such as dance performances, singing, skits, and *traditional events* were performed by the students. These performances showcased the talents and creativity of the students and added color to the celebration.



Prizes and certificates were distributed to students who excelled in academics, sports, and extracurricular activities. The chief guest addressed the gathering and motivated *students to focus* on their studies, develop skills, and work towards a successful future.

The event created a joyful and festive atmosphere in the college campus. The Annual Day celebration concluded with a vote of thanks, leaving behind happy memories for both students and staff. The program began with the ceremonial lighting of the lamp, symbolizing knowledge and wisdom, followed by a welcome speech.

The Principal and faculty members addressed the gathering and highlighted the achievements of the institution during the academic year. They also encouraged students to focus on both academic excellence and skill development.



Various cultural programs were presented by students, including classical and modern dances, songs, skits, and motivational performances. These events added color and excitement to the celebration and showcased the talents of the students. Awards and certificates were distributed to students who excelled in academics, sports, *and extracurricular activities*. This recognition motivated students to perform better in their future endeavors.

The program concluded with a vote of thanks, followed by the National Anthem, marking the end of a successful Annual Day celebration.

JOB ACHIEVER'S DAY...



The **Job Achiever Program** was successfully conducted at **Government Polytechnic for Women, Kakinada (GPW)** on 13th March 2026 under the esteemed presence of **VIP Sri Surya Prasad Garu (CEO)** and **Smt. Bhanumathi Garu (Secretary), AIWC**.

The program was organized to motivate students and guide them towards better career opportunities, skill development, and employment readiness. The dignitaries addressed the students and emphasized

the importance of discipline, communication skills, *technical knowledge*, and continuous learning for achieving success in competitive job markets.

The program began with a warm welcome address, followed by the felicitation of job achievers. Selected students were appreciated for their remarkable performance in technical interviews, communication skills, and overall personality development.

Faculty members of the *ECE Department* motivated the students by sharing inspiring words about the importance of skill development, continuous learning, and adapting to industry requirements. consistent practice, hard work, and proper guidance.



The event created a highly motivating atmosphere in the department and encouraged other students to aim for better career opportunities in the future.

The program concluded with a vote of thanks, appreciating **all faculty members**, organizers, and students for making the event a grand success.

VLSI DESIGNING BY SRI DR. BUJJIBABU M.TECH , PHD



The Department of Electronics and Communication Engineering (ECE) at Government Polytechnic for Women, Kakinada organized a **VLSI Designing Event** to encourage students to develop practical skills and innovative thinking in the field of Very Large Scale Integration (VLSI) design. The event provided an excellent platform for students to showcase their knowledge in digital design, circuit modeling, and semiconductor technology. Participants actively engaged in designing and simulating VLSI circuits, demonstrating creativity, technical understanding, and problem-solving abilities.

Faculty members appreciated the enthusiastic participation of the students and their designing skills.



The faculty sincerely appreciated all the participating students for their excellent performance and innovative designs. Special appreciation is extended to all students who successfully completed their VLSI designs with creativity and accuracy.



The department encourages students to continue **enhancing their skills** and actively participate in such technical events to strengthen their career prospects in the field of electronics and VLSI design..

SKILLHOUR-ECE SECTION, GPW, KAKINADA...

The Skill Hour program conducted in the ECE Section of GPW College, Kakinada, was highly informative and beneficial for the students. The ECE faculty actively participated along with the students in various technical and skill-oriented sessions organized throughout the academic period.

Different experts and faculty members delivered sessions on important topics such as IoT Using Cloud Technology, Design and Simulation of Antenna Using HFSS Software, VLSI Fabrication Methods, IC741 Data Sheet Analysis, Entrepreneurship Skill, SCADA, 3D Printing, ECAD, and Robotics.

These sessions helped students improve their technical knowledge, practical understanding, communication skills, and awareness of modern technologies used in the electronics field.



The faculty members encouraged students to participate actively in discussions and learning activities, creating an interactive and positive learning environment. Through these Skill Hour sessions, students gained exposure to new technologies, industry-oriented concepts, and practical applications related to Electronics and Communication Engineering.



The program also motivated students to develop problem-solving abilities, teamwork, creativity, and professional skills required for future career opportunities.

Overall, the Skill Hour sessions were conducted successfully with enthusiastic participation from both ECE faculty and students, making the program highly useful for academic and professional development.

EMBEDDED SYSTEMS PROGRAM CONDUCTED IN MARCH 2025...



The Department of Electronics and Communication Engineering (ECE) of Government Polytechnic for Women College successfully organized an **Embedded Systems Program** during **March 2025** for the students of the ECE department. The primary objective of this program was to provide students with practical knowledge and hands-on experience in embedded

systems, enabling them to bridge the gap between theoretical concepts and real-world applications.

The program was conducted under the guidance of the **ECE faculty members**, who delivered informative sessions on the fundamentals of embedded systems, microcontrollers, embedded programming, sensors, interfacing techniques, and the latest trends in embedded technology.

The faculty also demonstrated the use of development boards and embedded software tools, helping students understand the design and implementation of embedded applications.

Students actively participated in practical sessions, where they worked on simple embedded system projects such as LED interfacing, sensor-based applications, and microcontroller programming.

These activities enhanced their technical skills, problem-solving abilities, and confidence in developing embedded solutions. The interactive sessions encouraged students to ask questions, clarify concepts, and explore innovative project ideas.

The program also highlighted the importance of embedded systems in various fields, including consumer electronics, automotive systems, industrial automation, healthcare, and the Internet of Things (IoT).

Students gained valuable insights into career opportunities and the scope of embedded technology in modern industries.

Overall, the Embedded Systems Program was a great success, receiving positive feedback from both students and faculty members. It significantly contributed to improving the students' practical knowledge, technical competence, and enthusiasm for learning emerging technologies.

The Department of ECE expresses its sincere appreciation to all the faculty members and students whose active participation and cooperation made the program successful.

Such initiatives play an important role in preparing students for higher education, research, and future careers in the field of electronics and embedded systems.

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DUMPALA.MAHESH,M.E
LECTURE IN ECE.... ☆

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