

Preface

Government Polytechnic for Women (GPW), Kakinada is one of India's pioneering institutions exclusively dedicated to women's technical education. Established with the vision of empowering women through quality technical education, the institution has played a significant role in developing skilled diploma engineers and professionals for more than six decades. Since its inception, the college has remained steadfast in its commitment to academic excellence, ethical values, professional competence, innovation, leadership, and social responsibility.

The institution strives to provide affordable and quality technical education that nurtures competent technocrats capable of meeting the evolving needs of industry and society. By adopting learner-centric pedagogies, Outcome-Based Education (OBE), industry-oriented curricula, modern instructional practices, and continuous quality improvement, the institute prepares students to excel in higher education, employment, entrepreneurship, and lifelong learning.

Establishment and Inception

Government Polytechnic for Women, Kakinada was established in **1961** under the name **Girls Polytechnic** with the noble objective of providing technical education exclusively for women at a time when opportunities for women in engineering and technology were extremely limited. The institution was founded under the visionary leadership of **Smt. A. Kamala**, a distinguished educationist and senior officer of the Department of Technical Education, Government of Andhra Pradesh, with the active support of **Sri T. R. Das**, the then Director of Technical Education.

The establishment of the institution marked a significant milestone in the advancement of women's technical education in Andhra Pradesh. During the early 1960s, social attitudes often discouraged women from pursuing higher and technical education. Recognizing this challenge, Smt. A. Kamala undertook extensive awareness campaigns across the coastal districts of Andhra Pradesh, personally interacting with parents, students, and community leaders to emphasize the importance of educating women in technical disciplines.

Her relentless efforts, unwavering determination, and visionary leadership laid a strong foundation for the successful establishment and growth of the institution. In recognition of her outstanding services, she became the **founding Principal** of Government Polytechnic for Women, Kakinada.

Visionary Leadership of Smt. A. Kamala

Smt. A. Kamala was not only an eminent academic administrator but also a compassionate mentor who devoted her life to the empowerment of women through education.

During the formative years of the institution, the college functioned without a permanent campus or hostel facilities. Students were accommodated in rented buildings located at different places in Kakinada. Despite these challenges, Smt. Kamala personally supervised the welfare of hostel students, frequently visiting their accommodations during the evenings to ensure their safety, comfort, and well-being. She extended motherly care to students, particularly those experiencing homesickness, creating an environment that fostered confidence, belongingness, and academic focus.

Her leadership emphasized:

- Academic excellence
- Faculty development
- Student discipline
- Professional ethics
- Character building
- Institutional development
- Women's empowerment

The values she instilled continue to guide the institution even today. Government Polytechnic for Women, Kakinada proudly acknowledges her remarkable contributions and remembers her as the architect of the institution's enduring legacy.

Early Development

The institution commenced its academic activities in **1961** in the ancillary building of **St. Joseph's Girls High School, Jagannaickpur, Kakinada**. Initially, the college offered three diploma programmes:

- Licentiate in Radio Engineering (LRE), presently Diploma in Electronics and Communication Engineering (DECE)
- Licentiate in Civil Engineering (LCE), presently Diploma in Civil Engineering (DCE)
- Licentiate in Commercial Practice (LCP), presently Diploma in Computer and Commercial Practice (DCCP)

Subsequently, a Certificate Course in Draughtsmanship was introduced, which later evolved into the Diploma in Architecture Assistantship.

During that period, technical education in India was offered under the **Licentiate System**, and successful candidates were awarded Licentiate qualifications. With the introduction of a standardized diploma education system, these programmes were later redesignated as Diploma programmes under the State Board of Technical Education and Training.

On **19 November 1979**, the institution was shifted to its present campus at **Mehar Nagar, Kakinada**, spread over approximately **23 acres**, providing improved infrastructure and greater opportunities for academic expansion.

Expansion and Academic Growth

Since its establishment, Government Polytechnic for Women, Kakinada has consistently expanded both its academic programmes and institutional infrastructure to meet the changing requirements of technical education.

Over the decades, new diploma programmes in Engineering, Technology, Architecture, Pharmacy, Commercial Practice, and allied disciplines have been introduced. The intake capacity has been progressively enhanced to accommodate the growing demand for technical education among women.

The institution has continuously upgraded its laboratories, workshops, classrooms, library resources, computing facilities, and digital infrastructure in accordance with technological advancements and industry expectations. Special emphasis has been placed on experiential learning through laboratory practice, industrial visits, internships, expert lectures, project-based learning, and skill development programmes.

Faculty members are encouraged to participate in professional development programmes, curriculum revision, research, consultancy, and industry interaction, thereby strengthening the teaching-learning ecosystem.

Today, the institution has earned recognition as one of the leading Government Polytechnics for Women in Andhra Pradesh, producing competent diploma graduates who have excelled in higher education, public service, entrepreneurship, research, defence services, and diverse industrial sectors.

Throughout its journey, the institution has remained committed to continuous improvement, quality assurance, stakeholder satisfaction, and Outcome-Based Education (OBE), aligning its academic practices with the expectations of the National Board of Accreditation (NBA), industry, and society.

Campus and Infrastructure

Government Polytechnic for Women, Kakinada is situated in a serene and pollution-free environment at Mehar Nagar, providing an ideal atmosphere for academic learning and holistic student development. Since its establishment, the institution has maintained its reputation as one of the premier technical institutions dedicated to women's education in Andhra Pradesh.

The campus presently extends over approximately **15 acres**. Although the original campus covered about **23 acres**, portions of the land were subsequently allotted for the construction of the Social Welfare Hostel, Roads & Buildings Department Office, and AYUSH Hospital. Despite this, the institute continues to maintain one of the largest and greenest campuses among Government Polytechnics in the State.

The total built-up area of the institution is **5,516 square metres**, of which **2,787 square metres** is exclusively earmarked for instructional activities. The academic infrastructure comprises:

- 10 well-ventilated classrooms
- 17 modern laboratories
- One Virtual Classroom
- One Digital Library
- Central Library
- Seminar Hall
- Computer Centre
- Administrative Block
- Examination Section
- Student Amenities Centre

The laboratories are equipped with modern equipment and software to facilitate experiential learning in accordance with Outcome-Based Education (OBE) practices. ICT-enabled classrooms, internet connectivity, multimedia teaching aids, and digital learning resources significantly enrich the teaching-learning process.

The institution continuously upgrades its infrastructure to align with technological advancements and the evolving expectations of industry and accreditation agencies.

Hostel Facilities

The institute provides safe, comfortable, and well-maintained hostel accommodation exclusively for women students.

The campus has two hostel buildings with a total accommodation capacity of approximately **400 students**.

The **Old Hostel**, constructed in 1995, has a built-up area of about **2,536 square metres** and consists of:

- 45 student rooms
- Spacious dining hall
- Reading room
- Matron's room
- Modern kitchen
- Store room
- Hygienic sanitation facilities

The **New Hostel**, constructed in 2014, consists of 16 well-furnished rooms accommodating approximately 100 students.

To ensure the comfort and well-being of the students, the hostel provides:

- Steam cooking system
- RO purified drinking water
- Stainless steel dining tables and seating
- Parents' waiting hall
- Shuttle badminton court
- Throw ball court
- Recreational facilities
- Round-the-clock security
- Hygienic dining and kitchen facilities

The hostel promotes a disciplined, secure, and homely environment conducive to academic excellence and personal development.

Academic Excellence

Since its inception, Government Polytechnic for Women, Kakinada has consistently maintained high academic standards by providing quality technical education through competent faculty, well-equipped laboratories, learner-centric pedagogical practices, and continuous academic monitoring.

The institution follows the curriculum prescribed by the State Board of Technical Education and Training (SBTET), Andhra Pradesh, integrating classroom instruction with laboratory experiments, industrial exposure, project-based learning, seminars, internships, and skill development programmes.

The college has embraced the principles of **Outcome-Based Education (OBE)**, ensuring that programme outcomes and course outcomes are effectively attained through continuous assessment, feedback mechanisms, and quality improvement initiatives.

Special emphasis is placed on:

- Student-centred learning
- Professional ethics
- Employability skills
- Entrepreneurship development
- Communication skills
- Leadership qualities
- Lifelong learning

The institution regularly organizes expert lectures, workshops, faculty development programmes, industrial visits, technical competitions, and student seminars to bridge the gap between academia and industry.

Industry Interaction and Student Development

Recognizing the importance of industry-academia collaboration, the institution maintains strong linkages with industries, professional organizations, alumni, and government agencies.

These collaborations facilitate:

- Industrial visits
- Internship programmes
- Guest lectures by industry experts
- Skill enhancement programmes
- Career guidance
- Campus recruitment
- Entrepreneurship awareness
- Collaborative projects

Students are encouraged to participate in technical symposiums, innovation challenges, project exhibitions, hackathons, and professional society activities, thereby enhancing their technical competence and confidence.

The institute's Placement Cell actively coordinates training programmes on aptitude, communication skills, interview techniques, and personality development to improve students' employability.

Graduates of the institution have secured employment in Government Departments, Public Sector Undertakings, Defence Organizations, Multinational Companies, private industries, and have also excelled as entrepreneurs and higher education scholars.

Community Engagement and Skill Development

Government Polytechnic for Women, Kakinada has always believed that technical education should contribute directly to societal development.

The institution successfully implemented the **Community Polytechnic Scheme (CPS)** sponsored by the Ministry of Human Resource Development, Government of India.

Under this programme, numerous vocational and skill development courses were conducted for rural youth, unemployed women, and economically weaker sections in villages surrounding Kakinada.

Training programmes included:

- Tailoring
- Embroidery
- Saree Painting

- Cane Weaving
- Handicrafts
- House Wiring
- Radio and Television Repairing
- Computer Fundamentals
- Desktop Publishing (DTP)

These programmes significantly contributed to self-employment, entrepreneurship, technology transfer, and rural development.

The legacy of CPS continues today through the **Skill Hub Centre**, which offers industry-relevant short-term training programmes aimed at improving employability and supporting the Government's Skill India initiatives.

The institute also undertakes extension activities promoting:

- Environmental awareness
- Hygiene and sanitation
- Health education
- Energy conservation
- Social responsibility
- Community development

These activities help inculcate social consciousness and civic responsibility among students.

Green Campus Initiative

The institution is committed to environmental sustainability and maintaining a clean, green campus. Government Polytechnic for Women, Kakinada possesses one of the most eco-friendly campuses among Government Polytechnics in Andhra Pradesh.

Through the support of **One Step Towards Society**, a non-governmental organization, and financial assistance from **Kakinada Seaports Limited**, more than **1,200 saplings** have been planted across the campus. These plantations are regularly maintained, creating a pleasant learning environment while promoting biodiversity and environmental conservation.

The institution actively encourages students to participate in tree plantation drives, cleanliness campaigns, waste management programmes, and water conservation initiatives.

Distinguished Alumni

Since its establishment in 1961, Government Polytechnic for Women, Kakinada has nurtured thousands of diploma graduates who have made significant contributions to engineering, technology, healthcare, public administration, education, defence, entrepreneurship, and community development.

The alumni of the institution have consistently demonstrated professional excellence and ethical values in diverse fields. Many have secured responsible positions in Central and State Government Departments, Public Sector Undertakings (PSUs), Defence Organizations, Railways, Municipal Corporations, Panchayat Raj Engineering, Irrigation, Roads and Buildings, Public Health Engineering, Electricity Utilities, and various local government institutions.

Several graduates have pursued higher education and obtained Bachelor's, Master's, and Doctoral degrees in Engineering, Pharmacy, Architecture, Management, and other professional disciplines. Many alumni are serving as academicians, researchers, scientists, and technical experts in reputed educational institutions and research organizations in India and abroad.

The institution also takes pride in its alumni who have established successful careers in multinational companies, private industries, software organizations, pharmaceutical companies, architectural firms, construction industries, and consultancy organizations. Numerous alumni have emerged as entrepreneurs by establishing their own enterprises, thereby generating employment opportunities and contributing to economic development.

True to the institution's vision of empowering women through technical education, many alumni have become role models in their respective professions by demonstrating leadership, innovation, professional integrity, and commitment to societal welfare. Their achievements continue to inspire present and future generations of students.

The Alumni Association of Government Polytechnic for Women, Kakinada actively supports the institution by contributing to student development initiatives, infrastructure improvement, career guidance, internships, expert lectures, placement assistance, scholarships, mentoring, and community service activities. Alumni regularly interact with students, sharing their professional experiences and industry expectations, thereby strengthening the institute–industry relationship.

The institution values the continued support of its alumni and recognizes them as important stakeholders in its journey towards academic excellence and continuous quality improvement. Their enduring association reflects the strong bond between the institution and its graduates and serves as a source of inspiration for achieving the vision and mission of the institute.

Major Milestones

Year	Milestone
1961	Government Polytechnic for Women, Kakinada was established under the name Girls Polytechnic with diploma programmes in Licentiate in Radio Engineering (LRE) , Licentiate in Civil Engineering (LCE) , and Licentiate in Commercial Practice (LCP) .
1964	Diploma in Pharmacy (D.Pharm) programme was introduced, expanding the institution's academic offerings in healthcare education.
1965	Certificate Course in Draughtsmanship was

Year	Milestone
	introduced, which was subsequently upgraded as Licentiate in Architecture Assistantship (LAA) and later evolved into the Diploma in Architecture Assistantship.
19 November 1979	The institution was shifted to its permanent campus at Mehar Nagar, Kakinada , providing enhanced infrastructure for academic expansion. During the initial years at the new campus, hostel accommodation continued in rented premises, and students were transported by college buses.
1984	The State introduced the Common Entrance Examination for Polytechnics (CEEP) and the technical education system was restructured. The Licentiate qualification was replaced by the Diploma qualification.
1988	A modern Computer Laboratory was established, making the institution one of the first Government Polytechnics in the region to introduce computer-based technical education.
1990	The Community Polytechnic Scheme (CPS) , sponsored by the Ministry of Human Resource Development, Government of India, was sanctioned to promote skill development, rural technology transfer, and community outreach.
1990	The Central Library was significantly strengthened through the World Bank-assisted Technical Education Project , with the addition of a large number of technical books and reference resources.
1995	The permanent Women's Hostel building was inaugurated by the then Hon'ble Chief Minister of Andhra Pradesh, Sri N. Chandrababu Naidu , providing residential facilities within the campus.
2004–05	Hostel facilities were modernized with a steam cooking system, RO purified drinking water, and stainless-steel dining furniture , significantly improving student amenities.
2008–09	E-Learning (e-Lessons) was introduced across Government Polytechnics in Andhra Pradesh, and faculty members actively contributed to the development of digital learning resources.
2009	A Digital Electronics and Computer Network Laboratory was established in the Department of Electronics and Communication Engineering with sponsorship from Bharat Electronics Limited (BEL) .

Year	Milestone
	The laboratory was inaugurated by Dr. M. M. Pallam Raju , the then Hon'ble Minister of State for Defence, Government of India.
2014	A new Women's Hostel block was constructed, increasing the residential capacity by approximately 100 students.
11 March 2021	Cement benches donated by alumni and faculty members were installed in the college garden, strengthening alumni engagement and campus development.
2022	Outdoor gym equipment was donated by the Kakinada Municipal Corporation , promoting physical fitness and student well-being.
2023	The institution successfully achieved NBA Accreditation , reaffirming its commitment to quality technical education, Outcome-Based Education (OBE), and continuous improvement.
2025–26	The Department of Pharmacy established a state-of-the-art Computer Laboratory supported by Ex-Pharma Software, one of the first such facilities in Government Polytechnics of Andhra Pradesh. During the same period, Model Pharmacy Laboratory and Social Pharmacy Laboratory , among the first of their kind in the State, were established to strengthen practical learning and industry-oriented education.

Present Status

Today, Government Polytechnic for Women, Kakinada stands as one of the premier institutions dedicated to women's technical education in Andhra Pradesh. With a rich legacy spanning over six decades, the institution has evolved into a centre of excellence committed to academic quality, skill development, innovation, and holistic student development.

The institute presently offers diploma programmes in Civil Engineering, Electronics and Communication Engineering, Pharmacy, Architecture Assistantship, and Computer and Commercial Practice under the curriculum prescribed by the State Board of Technical Education and Training (SBTET), Andhra Pradesh. The academic programmes are designed to meet the evolving needs of industry, higher education, and society through Outcome-Based Education (OBE), learner-centric pedagogies, and continuous quality improvement.

The campus, spread over approximately **15 acres**, provides a peaceful and eco-friendly learning environment with modern academic infrastructure. The institution has a total built-up area of **5,516 square metres**, including **2,787 square metres** of instructional space comprising well-equipped classrooms, state-of-the-art laboratories, a Virtual Classroom, Digital Library, Central Library, seminar facilities, and computer laboratories. Continuous

investment in laboratory modernization and ICT-enabled teaching has significantly enhanced the quality of technical education.

The institute is supported by a team of highly qualified, experienced, and dedicated faculty members committed to academic excellence, student mentoring, curriculum implementation, research, and professional development. Most faculty members possess postgraduate qualifications, while several hold doctoral degrees and actively participate in faculty development programmes, curriculum design, and industry interaction.

Recognizing the importance of employability, the institution regularly organizes industrial visits, internships, expert lectures, entrepreneurship awareness programmes, soft-skill training, aptitude development sessions, and placement assistance. Strong linkages with industries, professional organizations, alumni, and government agencies provide students with valuable exposure to contemporary technologies and professional practices.

The institution also places equal emphasis on extracurricular and co-curricular development. Students actively participate in technical competitions, seminars, cultural programmes, sports, National Service Scheme (NSS) activities, environmental awareness campaigns, and community outreach programmes, thereby fostering leadership qualities, teamwork, communication skills, and social responsibility.

The well-maintained women's hostel, modern sports facilities, green campus, hygienic amenities, and student support services contribute to a safe, inclusive, and conducive learning environment. The campus promotes discipline, mutual respect, and a culture of continuous learning.

Over the years, the alumni of Government Polytechnic for Women, Kakinada have established distinguished careers in Government Departments, Public Sector Undertakings, Defence Services, multinational companies, higher education institutions, entrepreneurship, and various professional organizations. Their achievements reflect the quality of education imparted by the institution and continue to inspire future generations of students.

Committed to the principles of quality assurance and continuous improvement, the institute has successfully implemented Outcome-Based Education practices and continuously strengthens its academic processes in alignment with the expectations of the National Board of Accreditation (NBA). Through academic excellence, innovation, industry collaboration, ethical values, and community engagement, Government Polytechnic for Women, Kakinada continues to fulfil its mission of empowering women through technical education and contributing to the socio-economic development of the nation.

Vision for the Future

Government Polytechnic for Women, Kakinada envisions strengthening its position as a premier institution for women's technical education by continuously enhancing academic quality, fostering innovation, and developing globally competent diploma engineers equipped to meet the dynamic challenges of industry and society.

The institution is committed to transforming itself into a centre of excellence through continuous quality improvement, adoption of emerging technologies, and implementation

of best practices in technical education. Guided by the principles of Outcome-Based Education (OBE), the institute aims to produce technically proficient, ethically responsible, socially conscious, and industry-ready professionals capable of contributing to sustainable national development.

In the coming years, the institution aspires to:

- Strengthen academic programmes by integrating emerging technologies, multidisciplinary learning, and industry-relevant skills into the curriculum.
- Enhance teaching-learning processes through ICT-enabled education, digital resources, smart classrooms, virtual laboratories, and innovative pedagogical practices.
- Upgrade laboratories and workshops into Centres of Excellence equipped with state-of-the-art equipment and industry-standard software.
- Foster a culture of innovation, creativity, research, entrepreneurship, and problem-solving among students through project-based learning and industry-sponsored activities.
- Expand collaborations with industries, professional bodies, research organizations, higher educational institutions, and alumni to facilitate internships, consultancy, faculty exchange, skill development, and placement opportunities.
- Promote faculty excellence through continuous professional development, higher education, research, consultancy, and participation in national and international technical forums.
- Encourage students to pursue higher education, competitive examinations, entrepreneurship, and lifelong learning while nurturing leadership qualities, communication skills, and professional ethics.
- Strengthen community engagement through outreach programmes, skill development initiatives, environmental sustainability, and technology transfer for the benefit of society.
- Develop a smart, green, inclusive, safe, and sustainable campus that supports academic excellence, environmental stewardship, and student well-being.
- Sustain accreditation standards and institutional quality by embracing continuous assessment, stakeholder feedback, governance reforms, and evidence-based decision-making.

The institution firmly believes that technical education is a powerful instrument for social transformation and women's empowerment. By combining academic excellence with ethical values, innovation, inclusiveness, and industry relevance, Government Polytechnic for Women, Kakinada will continue to produce competent diploma professionals who are capable of contributing effectively to technological advancement, economic growth, and nation building.

With its rich heritage, dedicated faculty, committed stakeholders, and vibrant student community, the institution looks forward to shaping future generations of women technocrats who will lead with knowledge, integrity, innovation, and compassion in an increasingly interconnected

Conclusion

For more than six decades, Government Polytechnic for Women, Kakinada has remained steadfast in its mission of empowering women through quality technical education. As the institution moves forward, it continues to uphold its legacy of excellence by embracing innovation, strengthening industry partnerships, promoting sustainable practices, and nurturing competent, ethical, and socially responsible professionals. With the collective support of students, faculty, alumni, industry, and society, the institution is committed to shaping a brighter future for women and contributing meaningfully to the technological and socio-economic development of the nation.

“Empowering Women through Technical Education, Inspiring Innovation, and Building a Better Tomorrow.”