



GOVERNMENT OF ANDHRA PRADESH  
• DEPARTMENT OF TECHNICAL EDUCATION •



# eTech PRAGNA SANKALPA

WISDOM • RESOLVE • EXCELLENCE

ANNUAL NEWSLETTER | ACADEMIC YEAR 2023 – 2024

## GOVERNMENT POLYTECHNIC, RAJAMPETA

Annamayya District, Andhra Pradesh | AICTE Approved | SBTET Affiliated |  
NBA Accredited (DCE)



### 2023 – 24 AT A GLANCE

 DCE Accredited (2023–2026)	 26+ Institutions at IPSGM 2023	 48+ Students Placed via Alumni	 10+ Industry MoUs Signed	 150+ Industrial Trainings Completed	 1683+ Alumni Across 14 Batches	 143 Projects at Polytechfest 2022	 ₹8.03L Budget Utilized FY 2023–24
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## Editorial Note

The Editorial Board of eTech PRAGNA SANKALPA presents with great pride the Inaugural Edition of Government Polytechnic, Rajampeta's Annual Newsletter for Academic Year 2023–24. The title encapsulates three powerful concepts: 'eTech' reflecting emerging technologies, 'Pragna' meaning profound wisdom, and 'Sankalpa' meaning determined resolve.

The year 2023–24 has been extraordinarily eventful — marked by NBA accreditation, landmark events, infrastructure milestones, and a growing culture of excellence. This newsletter chronicles each achievement with the detail and pride it deserves.

## Highlights of the Year 2023–24

- ◆ **NBA ACCREDITATION** — Diploma in Civil Engineering (DCE) accredited by National Board of Accreditation for 3 years (2023–24 to 2026–27). GPT Rajampeta joins the select league of NBA-accredited diploma institutions in Andhra Pradesh.
- ◆ **IPSGM 2023** — Hosted the Kadapa Regional Inter-Polytechnic Sports & Games Meet with 26+ institutions, 300+ participants, 13 athletics events and multiple team games across Boys & Girls categories.
- ◆ **POLYTECHFEST 2022** — Organized the YSR Kadapa District Polytechfest on 16–17 November 2022, with 143+ projects from 16 institutions across 7 engineering branches.
- ◆ **PLACEMENTS** — 48+ students placed via Alumni Network across 8 companies (VSL Infra, Deccan Granites, Aavyaan Engineering, AP CRDA, etc.) with average CTC of 2.8 LPA.
- ◆ **INFRASTRUCTURE GROWTH** — Full-size multi-purpose sports arena developed; smart classrooms, digital labs, and equipment procured worth ₹10 L+ from government grants.
- ◆ **MoU PORTFOLIO** — 10+ active MoUs with Tyche Cast Tech, Isuzu Motors, Greentech Industries, EQIC Dies & Moulds, Gold Fields-APSSDC, Cisco/EduSkills, IIT Bombay Spoken Tutorial.
- ◆ **VIJNANA RAJAM LAUNCH** — Inaugural Annual Research Journal launched simultaneously with this newsletter, positioning GPT Rajampeta as a knowledge-creation institution.
- ◆ **ALUMNI IMPACT** — 1,683+ alumni across 14 batches; 10 guest lectures, 56 internships, ₹3.2 L+ contributions to students.
- ◆ **GOVERNING BODY** — 16th & 17th Governing Body Meetings conducted; unanimous resolutions on academic quality, NBA readiness, and student development.
- ◆ **BUDGET UTILIZATION** — Total FY 2023–24 government budget of ₹8,03,336 utilized efficiently across academic, administrative, and infrastructure heads.

★ ***Comprehensive institutional development across academics, industry linkages, sports infrastructure, and community engagement.***

## Forewords



### **Smt. Chadalawada Naga Rani, IAS**

**Commissioner of Technical Education, AP, Mangalagiri**

It gives me immense pleasure and pride to extend my warmest felicitations on the occasion of the inaugural edition of "eTech PRAGNA SANKALPA," the Annual Newsletter of Government Polytechnic, Rajampeta, and the simultaneous launch of "VIJNANA RAJAM," the institution's Annual Research Journal.

The year 2023-24 has been a landmark year for Government Polytechnic, Rajampeta. The successful NBA accreditation of the Diploma in Civil Engineering programme for three years (2023-24 to 2026-27), the hosting of the prestigious Kadapa Regional Inter-Polytechnic Sports & Games Meet (IPSGM-2023-24), and the remarkable infrastructure developments achieved during the year stand as testament to the unwavering commitment of the faculty, staff, and students of this outstanding institution.

Technical education in Andhra Pradesh stands at an exciting crossroads. With Skill India, Digital India, and the emerging green economy creating unprecedented opportunities for skilled diploma engineers, institutions like GPT Rajampeta are poised to play a crucial role in the State's development journey.

I congratulate the Principal, faculty, staff, and the Editorial Committee for this commendable initiative. I wish "eTech PRAGNA SANKALPA" and "VIJNANA RAJAM" long and fruitful publishing journeys ahead.



**Sri Ch. Sreedhar Chamakuri, IAS**  
District Collector, Annamaya District

I am delighted to extend my warmest greetings to Government Polytechnic, Rajampeta on the occasion of the inaugural edition of "eTech PRAGNA SANKALPA" and the launch of "VIJNANA RAJAM." Annamayya District, the land of the great saint-poet Sri Annamacharya, is blessed with a rich cultural heritage and a hardworking, aspirational community. It is heartening to see Government Polytechnic, Rajampeta emerge as a beacon of technical education and holistic development for the youth of this region.

The achievements of this institution during 2023-24 — the NBA accreditation, the hosting of the Inter-Polytechnic Sports Meet, ground development, free POLYCET coaching for underprivileged students, and comprehensive industry linkages — reflect a wholesome approach to education that goes far beyond the classroom.

I extend my heartiest congratulations to the Principal, all staff and students, and wish GPT Rajampeta continued growth and national recognition.

**PRINCIPAL'S MESSAGE**

**Dr. Yajaman Sudhakar,**  
Principal

*Dear Students, Faculty, Staff, Parents, Alumni, and Esteemed Readers,*

*It gives me immense pleasure to present the Inaugural Edition of 'eTech PRAGNA SANKALPA' – the Annual Newsletter of Government Polytechnic, Rajampeta – for the Academic Year 2023-24. The title encapsulates our spirit: Pragna meaning profound wisdom and Sankalpa meaning determined intention – a resolve to pursue knowledge and excellence with unflinching commitment.*

*The year 2023-24 has been extraordinarily eventful. The successful NBA accreditation of the Diploma in Civil Engineering (DCE) programme for three years (2023-24 to 2026-27) stands as the crowning achievement of our collective effort. The hosting of IPSGM-2023-24 with 26+ colleges and 300+ participants, sweeping infrastructure development of our sports grounds, and the simultaneous launch of 'VIJNANA RAJAM,' our Annual Research Journal, have added new dimensions to our institutional profile.*

*This newsletter chronicles every significant initiative and achievement of the year with the care and pride they deserve. I express my deepest gratitude to the Government of Andhra Pradesh, the Commissioner of Technical Education, SBTET, the District Administration, our industry partners, parents, alumni, and every member of the GPT Rajampeta family.*

*With warm regards and continued commitment to excellence,*

**Dr Yajaman Sudhakar., M.Pharm., Ph.D.**

**Principal  
Government Polytechnic  
Rajampeta**

# Institutional Profile



Government Polytechnic, Rajampeta is a premier state-run technical institution established in 2008 in Annamayya District, Andhra Pradesh, guided by the motto 'Sraddhaavan Labhate Jnaanam' — The Devoted Attain Knowledge. Approved by AICTE (New Delhi), administered by DTE Andhra Pradesh, and affiliated to SBTET AP, the institution serves students from rural and semi-urban backgrounds, offering industry-linked diploma programmes in a vibrant campus environment.

Each programme is a three-year, full-time diploma combining strong theoretical foundations with extensive practical laboratory work, industrial visits, project work, and mandatory industrial training. The curriculum is prescribed by SBTET, AP, and periodically revised to align with emerging industry needs. Admissions are conducted through POLYCET — the Andhra Pradesh Polytechnic Common Entrance Test.

## GPT Rajampeta – Key Achievements at a Glance 2023-24



<b>2008</b>	<b>2</b>	<b>300+</b>	<b>NBA</b>	<b>AICTE</b>
Year Est.	Programmes	Students	Accredited (DCE)	Approved

Attribute	Details
Location	Near Akepadu X Road, Kadapa–Tirupati Hwy, Rajampeta, Annamayya Dist., AP – 516126
Established	2008
Programmes	Diploma in Civil Engineering (DCE)   Diploma in Mechanical Engineering (DME)
Intake	60 seats per programme (120 total)
Accreditation	NBA (DCE – 2023 to 2026), AICTE Approved, SBTET Affiliated
Principal	Dr. Y. Sudhakar, M.Pharm., Ph.D.
Contact	gptrajampeta@gmail.com   govtpolyrajampeta.ac.in   9010222176

## Vision & Mission

### VISION

To establish itself as a centre of excellence with an aim to produce globally competent technocrats by imparting qualitative technical education, skills, attitudes and competencies blended in ethical values in the socially and economically backward Rayalaseema region of Andhra Pradesh.

### MISSION

M1 – Educate and train students into professional technocrats ready for middle management in Engineering and Technology domains.

M2 – Facilitate lifelong learning skills and motivate students to pursue higher education.

M3 – Train students with 21st century skills including collaboration, digital literacy, personality development, critical thinking, and problem-solving.

M4 – Provide practical exposure through industry-institute connect and develop entrepreneurial aptitude.

M5 – Inculcate life skills, high standards of ethics, universal human values, and sensitivity towards society.

## Quality Policy

*"Government Polytechnic, Rajampeta is committed to excellence in technical education by continuously improving curriculum delivery, infrastructure, faculty development, and student support services to meet the evolving needs of industry and society."*

## COURSES OFFERED & ACADEMIC ROADMAP 2023-24

### Diploma Programmes Offered – At a Glance

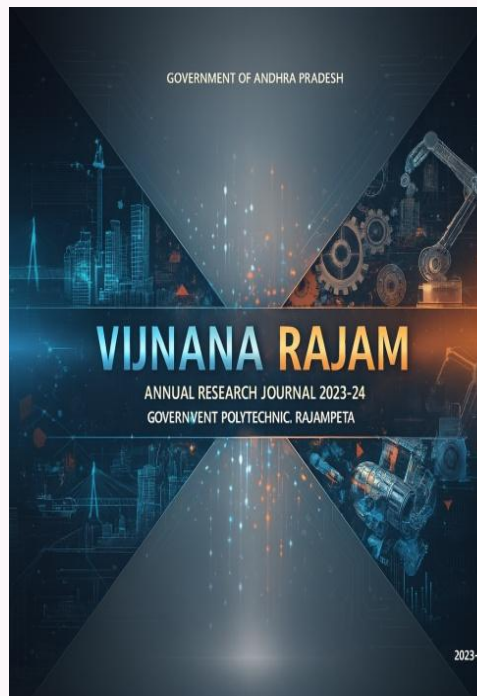
<b>01</b> <b>Diploma in Civil Engineering (DCE)</b>	<b>02</b> <b>Diploma in Mechanical Engineering (DME)</b>
Duration <b>3 Years</b>	Intake <b>60</b>
NBA Accredited 2023–2026	
Duration <b>3 Years</b>	Intake <b>60</b>
AICTE Approved SBTET Affiliated	
<ul style="list-style-type: none"> <li>✓ Surveying &amp; Levelling</li> <li>✓ Structural Analysis</li> <li>✓ CAD &amp; GIS</li> <li>✓ Construction Mgmt</li> <li>✓ PWD / APRDC Careers</li> </ul>	<ul style="list-style-type: none"> <li>✓ Lathe &amp; CNC Machines</li> <li>✓ CAD/CAM Software</li> <li>✓ Thermodynamics</li> <li>✓ Fluid Mechanics</li> <li>✓ Auto / DRDO Careers</li> </ul>

### Academic Calendar Roadmap 2023-24

Period	Academic Focus Area	Planned Activities	Expected Outcomes / Deliverables	Responsibility
June – July 2023	Academic Planning & Readiness	Academic calendar finalization, Faculty allocation, Department meetings	Approved academic calendar, workload distribution	Principal, HODs
	Student Induction	Induction programme, Orientation sessions, Code of conduct	Students oriented to curriculum & institute culture	HODs, Mentors
	Bridge Courses	Diagnostic tests, Bridge classes	Identification of slow learners	Faculty
August – September 2023	Teaching–Learning Process	Commencement of classes, Lesson plans, CO–PO mapping	OBE implementation initiated	Faculty
	Continuous Assessment	First internal assessment	IA marks recorded	Examination Committee
	Student Support	Mentoring, Remedial classes	Improved student performance	Mentors
October – November 2023	Experiential Learning	Industrial visits, Guest lectures	Industry exposure	HODs
	Academic Monitoring	Mid-semester review	Teaching effectiveness assessed	IQAC
	Co-Curricular Activities	Skill development programs, Clubs, Sports	Holistic development	Faculty Coordinators
December 2023	Semester End Activities	Practical exams, Semester end examinations	Evaluation completed	Examination Committee
	Feedback System	Student & faculty feedback collection	Inputs for improvement	IQAC
January – February 2024	Even Semester Launch	Commencement of even semester	Smooth academic transition	HODs
	Advanced Learning	Lab work, Advanced modules	Skill enhancement	Faculty
	Assessment	Second internal assessment	IA marks finalized	Examination Committee
	Career Development	Placement training, Career guidance	Employability improvement	Placement Cell
March – April 2024	Project Work	Project submission & evaluation	Projects assessed	Project Guides
	Industry & Alumni Connect	Alumni talks, Industry interaction	Networking & guidance	Alumni Coordinator
May 2024	Academic Closure	End semester examinations	Academic year completed	Examination Committee
	OBE Review	CO–PO attainment analysis	Attainment levels documented	HODs, IQAC
	Quality Assurance	AQAR preparation, Academic audit	Continuous improvement plan	IQAC
	Planning	Action plan for 2024–25	Strategic roadmap prepared	Principal, HODs

## INAUGURAL LAUNCHES — A HISTORIC MILESTONE

### Two Flagship Publications Launched Simultaneously

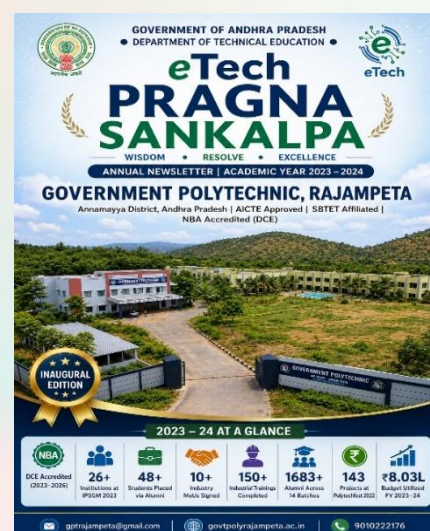


### eTech PRAGNA SANKALPA — Inaugural Edition

The inaugural edition of 'eTech PRAGNA SANKALPA' synthesises three powerful concepts: 'eTech' reflecting the institution's focus on emerging technologies; 'Pragna' meaning profound wisdom; and 'Sankalpa' meaning determined resolve. The newsletter was formally launched in an auspicious ceremony graced by distinguished dignitaries, faculty, students, and alumni. It captures the full spectrum of institutional life — academic excellence, infrastructural growth, industry engagement, cultural vibrancy, and community service.

### VIJNANA RAJAM — Annual Research Journal

Alongside the newsletter, the institution proudly launched 'VIJNANA RAJAM' — its Annual Research Journal. 'Vijnana' means science and knowledge; 'Rajam' honours Rajampeta — together signifying 'The Knowledge Capital of Rajampeta.' VIJNANA RAJAM is envisioned as a peer-reviewed platform for faculty and students to publish original research, technical articles, case studies, and innovation reports, positioning GPT Rajampeta as a contributor to knowledge creation, not merely its transmission.



## 01 NBA ACCREDITATION – A HISTORIC MILESTONE

Government Polytechnic, Rajampeta underwent the National Board of Accreditation (NBA) inspection on 6–8 October 2023. A panel of distinguished subject-matter experts assessed all departments against NBA Tier-1 criteria for diploma institutions. The three-day inspection covered comprehensive assessments of laboratory facilities, student projects, faculty qualifications, placement records, governance structures, and administrative systems.

<b>3</b> Days of NBA Inspection (Oct 2023)	<b>2023–26</b> Accreditation Period (3 Years)
<b>DCE</b> Programme Accredited	<b>Tier-1</b> NBA Criteria Level

**★ NBA Accreditation enhances graduate employability, validates OBE curriculum delivery, and places GPT Rajampeta among select diploma institutions in Andhra Pradesh.**

### Preparation Highlights

- Comprehensive OBE documentation – POs, PSOs, and COs mapped for all courses
- SAR (Self-Assessment Report) prepared and submitted with supporting evidence
- Laboratory upgrades and equipment procurement worth ₹5,23,519 (DME lab equipment)
- NBA registration fees of ₹1,18,000 sanctioned under Head of Account 2203-00-001-00-05-360-361
- Faculty qualification upgrades and FDP participation documented
- Stakeholder feedback – student, alumni, employer, and parent surveys completed
- CO–PO attainment matrices computed and displayed for all programmes

## 02 POLYTECHFEST 2022 — DISTRICT TECHNICAL FESTIVAL

The YSR Kadapa District Polytechfest 2022 was a landmark event in the technical education calendar of Andhra Pradesh. Held on 16–17 November 2022 at Government Polytechnic, Rajampeta, the event showcased the innovative potential of diploma students across 7 engineering branches, bringing together 16 participating institutions from YSR Kadapa district.

<b>143+</b> Projects Presented	<b>16</b> Participating Institutions
<b>370+</b> Student Participants	<b>7</b> Engineering Branches

### Branch-wise Project Distribution

Branch	Projects	Share
Electronics & Communication Engg. (DECE)	53	37.1%
Civil Engineering (DCE)	26	18.2%
Electrical & Electronics Engg. (DEEE)	20	14.0%
Mechanical Engineering (DME)	20	14.0%
Computer & Management Engg. (DCME)	18	12.6%
Mining Engineering	4	2.8%
Pharmacy	2	1.4%

### Top Projects — Polytechfest 2022

Rank	Project Title	Score/150
1	Accident Detector, Fall Detector & Women Safety Device (CM-08)	141
2	Suspension Bridge with Safety Alarm System (C-11)	139
3	Fire Fighting Robot (M-08)	138
4	Smart Home Automation Using Bluetooth (EE-01)	137
5	Linking of Canals in Rayalaseema (C-13)	135

**★ Polytechfest 2022 promoted innovation, entrepreneurial thinking, and practical application of engineering principles among 370+ diploma students.**

## 03 IPSGM 2023 — KADAPA REGIONAL SPORTS MEET

Government Polytechnic, Rajampeta had the distinguished honour of hosting the Inter-Polytechnic Sports & Games Meet (IPSGM) 2023-24 for the Kadapa Region from 6-8 December 2023. The Regional Level Girls Meet was conducted at the same venue from 5-6 January 2024. Organised under the Directorate of Technical Education, Andhra Pradesh, the event brought together students from 34+ polytechnics and engineering colleges. The meet was headed by Sri N.Raja, Physical Director, GPT Rajampeta, with 18 Physical Directors from participating colleges serving as Referees.

<b>34+</b> Participating Institutions	<b>300+</b> Student Participants
<b>13</b> Athletics Events (Boys)	<b>7</b> Games Events (Girls)

### Events Conducted

Category	Events
Track Events (Boys)	100m, 200m, 400m, 800m, 1500m
Relay Events (Boys)	100m×4 Relay, 400m×4 Relay
Field Events (Boys)	High Jump, Broad Jump, Triple Jump, Shot Put, Discus Throw, Javelin Throw
Boys Games	Chess, Volleyball, Kabaddi, Table Tennis, Badminton, Ball Badminton
Girls Games	Volleyball, Badminton, Table Tennis, Kho-Kho, Chess





### Infrastructure Built for IPSGM 2023 & Beyond

A major infrastructural achievement of 2023-24 was the comprehensive development of the campus sports ground. The project transformed the existing ground into a full-size multi-purpose sports arena – executed with government infrastructure grants. These facilities directly enabled GPT Rajampeta to host IPSGM-2023 with distinction, earning wide appreciation from all 26+ participating institutions.

**★ IPSGM 2023 developed leadership, sportsmanship, and institutional pride; state-level qualifiers progressed from 1st & 2nd place finishers.**

# SPORTS FACILITIES

MODERN & WELL-EQUIPPED

## ATHLETICS TRACK



- 100m Sprint Lane
- Proper Lane Markings

## VOLLEYBALL COURTS

- 2 Courts, Standard Dimensions
- Permanent Net Posts



## BADMINTON COURTS



- 2 Courts, Concrete Anti-Skid Flooring
- Badminton Matches

## MULTI-PURPOSE COURT

- Basketball / Handball
- Multiple Sports



## FLOOD LIGHTING

- Installation for Evening Practice Sessions
- Extended Practice Hours

## MULTI-PURPOSE COURT



- Basketball / Handball
- Multiple Sports

## SPECTATOR SEATING

- Seating Area
- Event Viewing

## DRAINAGE

- Channels Around All Courts
- Weather Resilience

## 04 PLACEMENTS & ALUMNI ACTIVITIES 2023–24

The Training & Placement Cell, in collaboration with the Alumni Association, achieved significant milestones in 2023–24. The Alumni Association — formally constituted under Proc. No. B/176/Committees, Cells and Clubs/2022 — coordinated 10 guest lectures, 8 placement drives, and 56 internship opportunities for students.



**★ Alumni-led placement network resulted in 48+ placements with industry-competitive CTCs, demonstrating strong CO-PO attainment and industry readiness.**

## Alumni Database — 14 Batches (2008–2024)

Category	Count	% of Alumni
Private Sector Engineering	519	30.8%
Government / PSU Employment	395	23.5%
Higher Studies (B.E./AMIE/M.Tech)	302	17.9%
Self-Employment / Entrepreneur	219	13.0%
Defence / Police Services	145	8.6%
Abroad / Other States	103	6.1%
Total Alumni	1,683+	100%

## 05 MOUS & INDUSTRY LINKAGES 2023–24

Government Polytechnic, Rajampeta has established a robust network of 10+ Memoranda of Understanding with leading industries, technology partners, and skill development bodies. These collaborations enable structured industrial training, expert faculty interactions, guest lectures, joint certifications, and placement assistance.

#	Partner / Industry	Sector	Scope
1	Greentech Industries India Pvt. Ltd., Nellore (Jul 2022)	Industry/Mech.	Skill Dev., Training, Placement, R&D
2	EQIC Dies & Moulds Engineers Pvt. Ltd., Hyderabad (Dec 2021)	Dies & Moulds	Skill Dev., Training, Placement, R&D
3	Standard Automotives, Kadapa (Aug 2022)	Automotive	Skill Dev., Training, Placement, R&D
4	Gold Fields Nellore via APSSDC (Jan 2024)	Automotive Skill	Placement-linked Skill Training, CoE
6	Cisco Systems India via DTE, AP (Feb 2021)	IT / Networking	Skill Dev., IT Education, Workforce Dev.
7	EduSkills Foundation via DTE, AP (Feb 2021)	Global Tech Edu.	Cisco, AWS, Red Hat, Palo Alto, Blue Prism
8	IIT Bombay Spoken Tutorial via DTE (Oct 2020)	FOSS Software	FOSS Training & Certification

**★ 10+ active MoUs guarantee industrial visit slots, priority placements, industry mentorship, and joint certifications for every DCE & DME student.**



## 06 GOVERNING BODY MEETINGS 2023-24

### 16th Governing Body Meeting – 30 September 2023

Agenda	Resolution
Academic Review	Uniform syllabus coverage; internal assessments documented and evaluated on time
NBA Documentation	Appreciable progress; departments directed to expedite pending submissions
Infrastructure	Digital classrooms installed; lab maintenance completed; equipment records updated
Student Welfare	Freshman orientation conducted; defaulter counselling and NSS activities active
Regional Events	Regional Polytechfest 2022 successfully conducted with commendation

## 07 FINANCE & BUDGET 2023-24

Government Polytechnic, Rajampeta received a total budget allocation of ₹8,03,336 for Financial Year 2023-24, comprising operational/administrative heads (₹2,29,000), NBA Accreditation fees (₹1,18,000), and Grants-in-Aid towards Salaries (₹4,56,336). The institution effectively utilized all allocated funds.

<b>₹8.03L</b> Total Budget FY 2023-24	<b>₹4.56L</b> GIA Salaries (56.8%)
<b>₹1.18L</b> NBA Accreditation Fees	<b>₹80,000</b> Supplies & Materials

### Budget Breakdown

Budget Head	Amount (₹)
Grants-in-Aid Towards Salaries (310-311)	4,56,336
NBA/NAAC Accreditation Fees (360-361)	1,18,000
Supplies & Materials (210-211)	80,000

Budget Head	Amount (₹)
Guest Faculty (290-297)	60,000
Stationery / Consumables (130-135)	35,000
Postage & Telephone (130-131)	18,000
Internet / Broadband (130-138)	18,000
Administrative Expenses (130-137)	8,000
Mobile / Call Charges (130-139)	6,000
Travelling Allowance (110-111)	4,000
<b>GRAND TOTAL</b>	<b>8,03,336</b>

### 17th Finance Committee Meeting – 10 April 2024

The Finance Committee ratified non-governmental expenditure for FY 2023–24. Total credits in the Non-Govt. SBI Account: ₹8,24,998. Total expenditure: ₹8,26,113. Key expenditures included IPSGM 2023 Regional Meet (₹2,26,474), capital equipment — Valve Timing Apparatus, Milling Machine, Wiring (₹5,23,519), and civil works for IPSGM ground preparation.

### 08 NSS & CO-CURRICULAR ACTIVITIES 2023–24

The NSS Unit at Government Polytechnic, Rajampeta was formally sanctioned on 6 August 2022 by Yogi Vemana University NSS Cell. The unit actively served the community through regular programmes and special camps, earning recognition for its active community service contributions.

Activity	Participants	Outcome
International Yoga Day – 'Yoga for One Earth'	70	Community wellness; GPS-verified participation
Magic Show with Scientific Explanations	55	STEM awareness through interactive learning
National Deworming Day	110	Preventive health and hygiene awareness
79th Independence Day Celebrations	77	Patriotism; pyramid formation; prize distribution
Swachha Andhra Swarna Andhra (SASA)	111	Campus & surroundings cleanliness drive
GST 2.0 Awareness Programme	55	Financial literacy and taxation knowledge
Financial Literacy & Awareness Webinar	75	Investment, cybersecurity, women's empowerment
Personality Development & Career Counselling	120	Career guidance; Commissioner of Youth Services directive

★ NSS Unit 176 achieved 762+ total participations across 9 activities, earning a perfect 5/5 points and contributing meaningfully to community development.

## 09 FACULTY DEVELOPMENT PROGRAMMES & WORKSHOPS

### Faculty Development Programmes (FDPs) 2023-24

Faculty actively participated in FDPs, short-term courses, and refresher training. Programmes conducted by NITTTR Chennai, SBTET AP, and IITs under NPTEL focused on updating pedagogical skills, deepening subject expertise, and building research capabilities.

#### FDP Topics Covered

- Outcome-Based Education — Design, Delivery and Assessment
- Advancements in Structural Engineering and Geotechnics (Civil)
- CNC Programming and CAD/CAM for Diploma Faculty (Mechanical)
- Research Methodology and Technical Paper Writing
- AI in Education — Tools and Classroom Applications

### Workshops Conducted at GPT Rajampeta

Workshop	Target Audience	Duration
AutoCAD Proficiency Workshop	DCE & DME Students	3 Days
Entrepreneurship Development Programme	All Students	5 Days
Soft Skills & Interview Preparation	Final Year Students	4 Days
Research Paper Writing Methodology	Faculty	1 Day

### Workshops Attended by Faculty

- National Conference on Emerging Technologies — JNTUA Ananthapuramu
- SBTET Curriculum Revision Workshop — Vijayawada
- Green Building Technologies Workshop — NIT Warangal
- Renewable Energy Summit — IIT Tirupati
- AI & ML for Engineering Education — NITTTR Chennai

## 10 STUDENTS' CORNER

### Poetry Corner — Ode to the Engineer

*In circuits bright and steel beams strong,  
Where algorithms hum and compilers sing,  
The engineer walks a path lifelong —  
To build, to solve, to everything.*

*With AutoCAD and lathe in hand,  
She draws the world that does not yet stand;  
With code and CAM and OBE,  
He shapes tomorrow's reality.*

*For Rajampeta's polytechnic soul  
Is forged in workshop, lab, and field,  
Not just a grade, but a greater goal —  
To serve the world and never yield.*

*— Student Poetry Submission, GPT Rajampeta 2023–24*

### Recent Innovations in Technology

- Building Information Modelling (BIM) — Transforms civil engineering with full digital building simulation before construction begins. DCE graduates with AutoCAD skills are one step from mastering Revit.
- Self-Healing Concrete — Bacteria-embedded concrete automatically seals cracks, extending structural life by decades — directly related to DCE concrete technology studies.
- 5-Axis CNC Machining — Produces aerospace-grade components with micron precision; DME graduates with CNC skills are in high demand across automobile, aerospace, and defence sectors.
- 3D Printing in Construction — Full-scale 3D concrete printing of houses and bridges; pilot projects in Andhra Pradesh signal a revolution in affordable housing.
- Electric Vehicles & Mechanical Engineering — India's EV push creates exciting pathways for DME graduates in powertrain design, battery thermal management, and lightweight manufacturing.

### Fun Zone — Engineering Jokes

Q: Why don't engineers trust atoms? — A: Because they make up everything!

Q: Why did the Civil Engineer refuse to stand on the new bridge? — A: He forgot to carry the safety factor of 1.5!

Q: What do you call a Mechanical Engineer who becomes a Civil Engineer? — A: An upgrade! (More concrete thinking!)

## Acknowledgements

The Editorial Board of eTech PRAGNA SANKALPA gratefully acknowledges the invaluable support, guidance, and encouragement of all who made this inaugural edition possible:

- Smt. Chadalawada Naga Rani, IAS — Commissioner of Technical Education, AP — for the gracious Foreword and institutional support
- Sri Ch. Sreedhar Chamakuri, IAS — District Collector, Annamayya District — for the inspiring Foreword and POLYCET coaching support
- Dr. Yajaman Sudhakar — Principal, GPT Rajampeta — for visionary leadership and encouragement
- All Heads of Departments — for event records, data, and content contributions
- SBTET and DTE, Government of Andhra Pradesh — for administrative support
- Faculty members who contributed articles, charts, and institutional data
- Non-Teaching Staff for tireless administrative support behind the scenes
- All 26+ Participating Institutions of IPSGM 2023 — for making GPT Rajampeta proud hosts
- Industry partners who signed MoUs and supported student training and placements
- Alumni and Parents for continuous encouragement and faith in the institution
- All Students — the true authors of these pages — whose dedication made 2023–24 a year to remember

**eTech PRAGNA SANKALPA | Inaugural Edition | Academic  
Year 2023–2024**

*"Sraddhaavan Labhate Jnaanam" — The Devoted Attain Knowledge*

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Prajna Sankalpa 2023-24