

**GOVERNMENT OF ANDHRA PRADESH**  
**DEPARTMENT OF TECHNICAL EDUCATION**  
**GOVERNMENT POLYTECHNIC :: RAJAMPETA**

NBA Accredited ♦ AICTE Approved ♦ SBTET Affiliated ♦ Rajampeta, Annamayya Dist., AP

# IQAC

## INTERNAL QUALITY ASSURANCE CELL

### ANNUAL QUALITY REPORT — HALF-YEARLY QUALITY REPORT

**Academic Year: 2025–26 (Half-Yearly)**

*"Excellence is not a destination; it is a continuous journey that never ends. — Brian Tracy"*

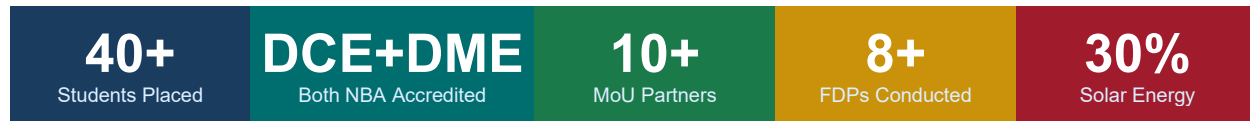
**Dr Y. Sudhakar, M.Pharm, Ph.D — Principal & IQAC Chairman**  
gptrajampeta@gmail.com | 9010222176 | govtpolyrajampeta.ac.in

## TABLE OF CONTENTS

No.	Section / Contents	Page / Details
<b>1</b>	Institutional Profile & IQAC Overview 2025-26	<b>Section 1</b>
<b>2</b>	IQAC Committee Composition — AY 2025-26 (Reconstituted)	<b>Section 2</b>
<b>3</b>	IQAC Inspection Proceedings — Proc. No. 176 GPTR/IQAC/Inspections 2025-26	<b>Section 3</b>
<b>4</b>	IQAC Inspection Schedule — Academic Departments (Apr 2026)	<b>Section 4</b>
<b>5</b>	IQAC Inspection Schedule — Office Sections (Apr 2026)	<b>Section 5</b>
<b>6</b>	IQAC Meeting 1 — Minutes & Action Points (12 Jun 2025)	<b>Section 6</b>
<b>7</b>	IQAC Meeting 2 — Planned for Nov 2025 (Agenda & Preparation)	<b>Section 7</b>
<b>8</b>	Consolidated Action Points Tracker 2025-26 (H1)	<b>Section 8</b>
<b>9</b>	Academic Quality Review — H1 Assessment	<b>Section 9</b>
<b>10</b>	IQAC Inspection Checklists — All Sections	<b>Section 10</b>
<b>11</b>	Key Achievements & Milestones 2025-26 (H1)	<b>Section 11</b>
<b>12</b>	Quality Metrics at a Glance — Infographics & Gauge	<b>Section 12</b>
<b>13</b>	NBA DME Accreditation — Quality Preparation Report	<b>Section 13</b>
<b>14</b>	Innovation Hub, Smart Classrooms & Solar Energy	<b>Section 14</b>
<b>15</b>	Best Practices & Institutional Distinctiveness	<b>Section 15</b>
<b>16</b>	Student & Stakeholder Feedback Summary (H1)	<b>Section 16</b>
<b>17</b>	AQAR 2025-26 Preparation Status	<b>Section 17</b>
<b>18</b>	Principal's Certification & Compliance Statement	<b>Section 18</b>

## SECTION 1 — INSTITUTIONAL PROFILE & IQAC OVERVIEW 2025-26

The Academic Year 2025-26 is the most transformative year in GPT Rajampeta's history. The NBA accreditation of the Diploma in Mechanical Engineering (DME) programme made GPT Rajampeta a fully accredited polytechnic (both DCE and DME). The Innovation Hub, Smart Classrooms, Solar Energy system, full Wi-Fi campus coverage, and the Entrepreneurship Development Cell (EDC) collectively represent a quantum leap in institutional quality, infrastructure, and innovation culture.



Parameter	Details
NBA Accreditation — DCE	Active: 2023-24 to 2026-27
NBA Accreditation — DME	Active: 2025-26 to 2028-29 (NEW)
GPT Rajampeta Status	Fully Accredited Polytechnic — Both Programmes
Innovation Hub & Tinkering Lab	Launched 2025-26: 3D printers, IoT kits, electronics prototyping, robotics corner
Smart Classrooms	Installed in DCE & DME blocks — 85-inch interactive displays
Solar Energy System	Commissioned: 20+ kWp; approx. 30% campus electricity from renewables
Full Wi-Fi Campus	Academic blocks, hostel, workshop, library — all covered
EDC Launched	Entrepreneurship Development Cell — student startup mentoring & MSME linkage
Centre of Excellence	BIM & CAD/CAM CoE established — regional leadership in tech education

## SECTION 2 — IQAC COMMITTEE COMPOSITION 2025-26

The IQAC was reconstituted for AY 2025-26 as per the proceedings of the institution. The composition reflects the updated faculty structure following new appointments and role changes.

Sl.No	Name	Designation	Role	Signature
1	Dr Y. Sudhakar	Principal	Chairperson	
2	Smt K. Padmavathamma	Senior Lecturer in Physics (HGS I/C)	IQAC Coordinator	
3	Dr Mahamood	HOD – Civil Engineering (HCES)	Member	
4	Sri K. Prakash Narayana	HOD – Mechanical Engineering (HMES I/C)	Member	
5	Smt P. Meena	Lecturer in Mechanical Engineering	Member	
6	Sri MN Anoop Kumar	Lecturer in Civil Engineering	Member	
7	Sri T. Subramanyam	Office Superintendent	Administrative Member	

*“The 2025-26 IQAC composition reflects the institution’s matured faculty structure, with department heads taking direct ownership of quality assurance processes – moving IQAC from a compliance cell to a quality leadership body.”*

## SECTION 3 — IQAC INSPECTION PROCEEDINGS 2025-26

Proceedings Detail	Information
Proc. No.	176 GPTR/IQAC/Inspections 2025-26
Date	26.03.2026
Issuing Authority	Dr Y. Sudhakar, M.Pharm, Ph.D — Principal, Government Polytechnic, Rajampeta
Subject	IQAC – Internal Quality Assurance Cell – Inspection of Academic Departments and Office Sections – Constitution of IQAC Committee and Detailed Inspection Schedule – Orders issued
Reference 1	IQAC guidelines and institutional quality improvement plan
Reference 2	Academic Calendar for the year 2025–26
General Mandate	All HoDs and Section In-charges shall keep updated and complete records ready for inspection; IQAC members to conduct section-wise verification using checklists; consolidated report within 3 working days; ATR within 7 days
Emphasis Areas	1. Digital record maintenance 2. Outcome-based education 3. Transparency and accountability

**COPY TO:**

IQAC Coordinator | All IQAC Committee Members | HODs concerned | Office Superintendent | Section In-charges | Notice Board | Office Copy

## SECTION 4 — INSPECTION SCHEDULE — ACADEMIC DEPARTMENTS

Date	Day	Department	Coverage
08.04.2026	Wednesday	Civil Engineering (DCE)	Course files, lesson plans, labs, student performance, faculty records
09.04.2026	Thursday	Mechanical Engineering (DME)	Course files, lesson plans, labs, student performance, faculty records
10.04.2026	Friday	General Subjects	Academic records, assessments, student support activities

## SECTION 5 — INSPECTION SCHEDULE — OFFICE SECTIONS

Date	Day	Section	Records to be Verified
15.04.2026	Wednesday	Admission Section	Admission registers, allotment records, student data
15.04.2026	Wednesday	Scholarship Section	Scholarship applications, sanction orders, correspondence
15.04.2026	Wednesday	Inward / Dispatch Section	Inward registers, dispatch registers, dak management
16.04.2026	Thursday	Accounts Section	Cash book, vouchers, bills, audit records
16.04.2026	Thursday	Examinations Section	Exam registers, confidential records, results
16.04.2026	Thursday	Establishment Section	Service registers, attendance, leave, personal files

## SECTION 6 — IQAC MEETING 1: MINUTES (12 JUN 2025)

<b>Date &amp; Time</b>	12th June 2025 (Thursday), 3:00 PM – 4:30 PM
<b>Venue</b>	Board Room, Government Polytechnic, Rajampeta
<b>Chairperson</b>	Dr Y. Sudhakar, Principal
<b>Members Present</b>	IQAC Coordinator, All Internal Members present
<b>Ref. Circular</b>	GPT/RJP/IQAC/2025-26/Meeting (Circular dated 01.06.2025)

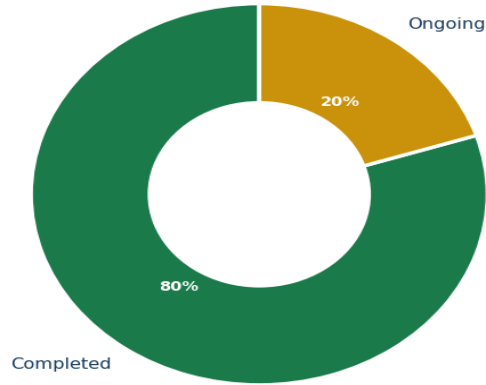
### 6.1 Agenda Items

Sl.	Agenda Item	Details
1	AQAR 2024–25 Review	Review data compilation progress; departments to complete submission by 25 Jun 2025
2	Academic Audit Planning (2025–26)	Initiate odd semester academic audits in Aug 2025; circulate guidelines by 10 Jul
3	Ranking & Innovation Initiatives	Apply for ARIIA 2025 & state-level rankings; document innovation activities, student projects, IIC outcomes; form ranking coordination cell
4	Induction Programs — Faculty & Students	Faculty orientation on quality processes & digital pedagogy: first week Jul 2025; SIP plans finalized with coordinators assigned
5	Institutional Best Practices Documentation	Compile two best practices: Green Campus Initiatives & Digital Learning Integration

### 6.2 Resolutions & Action Points — Meeting 1

Sl.	Action Item / Resolution	Responsible Unit	Deadline	Status
1	Submit departmental AQAR 2024–25 inputs	All Departments	25 Jun 2025	Completed
2	Circulate academic audit guidelines for odd semester	IQAC Coordinator	10 Jul 2025	Completed
3	Document innovation and ranking data (ARIIA)	IIC & Dept. Coordinators	15 Jul 2025	Completed
4	Conduct faculty induction & prepare SIP plans	Acad. Coordinator & HODs	5 Jul 2025	Completed
5	Submit records for institutional best practices documentation	All Departments	15 Jul 2025	Completed

**Action Points Status — 2025-26  
(Meeting 1)**



*“The June 2025 meeting set a strategic, forward-looking agenda — from ARIIA rankings to best practices documentation to full institution digital audit readiness. GPT Rajampeta is on a clear quality trajectory.”*

Sd/- Dr Y. Sudhakar, Principal & Chairman, IQAC

Date: 12 June 2025

## SECTION 7 — IQAC MEETING 2: PLANNED AGENDA (NOV 2025)

<b>Date &amp; Time</b>	22nd November 2025 (Tentative), 3:00 PM – 4:30 PM
<b>Venue</b>	Board Room, Government Polytechnic, Rajampeta
<b>Chairperson</b>	Dr Y. Sudhakar, Principal
<b>Members Present</b>	All IQAC Members (internal + external invitee)
<b>Ref. Circular</b>	To be issued

Sl.	Planned Agenda Item	Preparation Required
1	Review of odd semester academic outcomes — CO/PO attainment, pass %	HODs to submit semester outcome reports by 15 Nov 2025
2	Innovation Hub & EDC — Progress review	Tinkering Lab coordinator to submit activity log; EDC mentor report
3	NBA DME post-accreditation compliance monitoring	DME HoD to submit compliance documentation status
4	Solar energy & green campus performance report	OS to submit kWh data and CO <sub>2</sub> savings report
5	ARIIA registration status & ranking metric progress	IQAC Coordinator to compile submission readiness
6	AQAR 2025–26 mid-year data compilation	All departments to prepare H1 AQAR inputs

*Note: Agenda items and preparations are to be finalized by the IQAC Coordinator and circulated to all members at least 7 days before the meeting date.*

## SECTION 8 — CONSOLIDATED ACTION POINTS TRACKER 2025-26 (H1)

### IQAC Meeting Timeline — Academic Year 2025-26

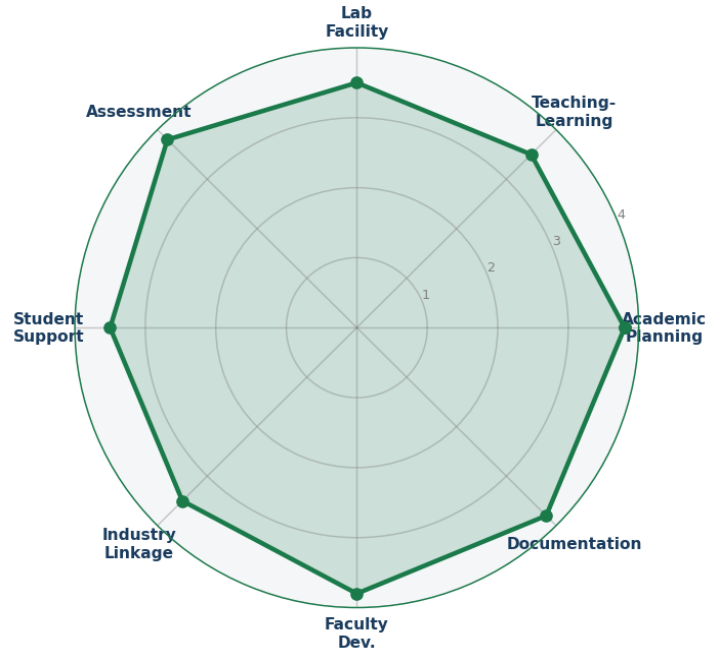


Sl.	Action Point	From Meeting	Responsible	Deadline	Status
1	Submit departmental AQAR 2024–25 inputs	Meeting 1	All Depts.	25 Jun 2025	✓ Completed
2	Circulate audit guidelines for odd semester	Meeting 1	IQAC Coordinator	10 Jul 2025	✓ Completed
3	Document innovation & ARIIA ranking data	Meeting 1	IIC & Coordinators	15 Jul 2025	✓ Completed
4	Faculty induction & SIP plans	Meeting 1	Acad. Coord. & HODs	5 Jul 2025	✓ Completed
5	Best practices documentation	Meeting 1	All Depts.	15 Jul 2025	✓ Completed
6	IQAC Inspection — Academic Depts.	Proc. 26.03.26	IQAC Committee	8–10 Apr 2026	Scheduled
7	IQAC Inspection — Office Sections	Proc. 26.03.26	IQAC Committee	15–16 Apr 2026	Scheduled
8	Innovation Hub & EDC activity logs	Meeting 2 Prep.	HoDs	Nov 2025	○ Ongoing
9	NBA DME post-accreditation compliance	Meeting 2 Prep.	DME HoD	Nov 2025	○ Ongoing
10	AQAR 2025–26 H1 data compilation	Meeting 2 Prep.	All Depts.	Nov 2025	○ Ongoing

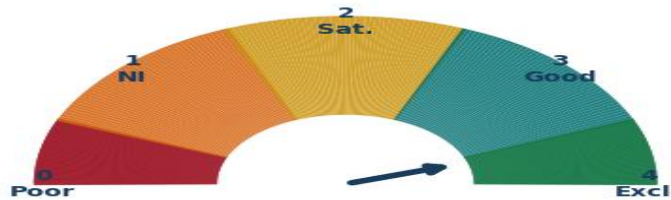
## SECTION 9 — ACADEMIC QUALITY REVIEW — H1 ASSESSMENT

### 9.1 Quality Radar — H1 2025-26

Quality Assessment Radar — 2025-26 (H1)



**Overall IQAC Quality Score: 3.6/4.0  
(2025-26 H1 Assessment)**



### IQAC H1 Assessment — Overall Academic Quality

S.No	Parameter / Item	Score (0–4)	Remarks
1	Academic Planning & Calendar Compliance	3.8	Excellent
2	Skill Hour Implementation (AI/ML, IoT expanded)	3.8	Excellent
3	Lab Quality (Post All Upgrades)	3.5	Excellent
4	BIM & CAD/CAM CoE Utilisation	3.5	Excellent

S.No	Parameter / Item	Score (0–4)	Remarks
5	Smart Classroom Adoption	3.5	Excellent
6	CO-PO Attainment Documentation	3.8	Excellent
7	Mentor-Mentee System Effectiveness	3.5	Excellent
8	Industry Interaction & EDC Activities	3.5	Excellent

## SECTION 10 — IQAC INSPECTION CHECKLISTS — 2025-26

### 10.1 Academic Inspection — IQAC Internal Inspection Format (Parts A–Q)

#### Part B: Teaching–Learning Process

S.No	Parameter / Item	Score (0–4)	Remarks
1	Academic Calendar with Skill Hour Integration	3.8	Excellent
2	Course Files with OBE & CO-PO Mapping	3.8	Excellent
3	Lesson Plans (including AI/ML skill elements)	3.5	Excellent
4	ICT Usage (Smart Class, LMS)	3.5	Excellent
5	Syllabus Completion Monitoring	3.8	Excellent
6	CO-PO-PSO Attainment Calculation	3.8	Excellent
7	Innovative Teaching Methods (Flipped, Activity-based)	3.5	Excellent

#### Part C: Laboratory Facilities

S.No	Parameter / Item	Score (0–4)	Remarks
1	Lab Manuals (Updated post-Innovation Hub launch)	3.8	Excellent
2	Equipment Availability (Post All Upgrades)	3.5	Excellent
3	Lab Log Book Maintenance	3.5	Excellent
4	3D Printer & IoT Lab Records (Innovation Hub)	3.5	Excellent
5	Equipment Maintenance & Calibration	3.5	Excellent
6	Safety Measures in Lab	3.5	Excellent

### 10.2 Office Section Inspection Checklists

#### Maintenance Committee Checklist

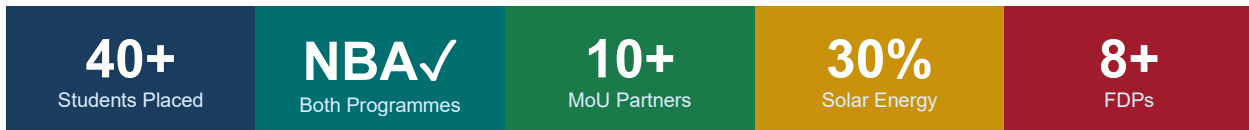
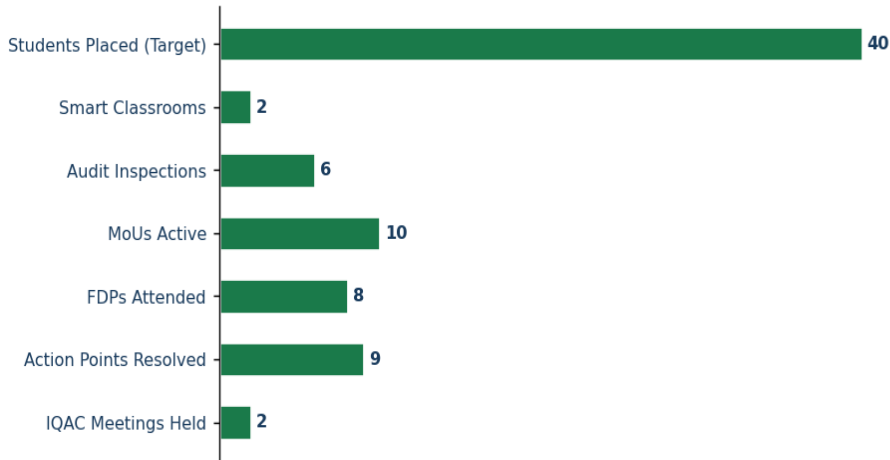
S.No	Parameter / Item	Score (0–4)	Remarks
1	Committee constitution proceedings available	3.5	Excellent
2	Annual maintenance plan & schedule	3.5	Excellent
3	Building & electrical maintenance records	3.5	Excellent
4	Lab equipment maintenance records	3.5	Excellent
5	Quotations, approvals & work orders	3.5	Excellent
6	Safety measures & compliance	3.5	Excellent
7	Photographic evidence (before/after)	3	Good

#### Laboratory & Stock Management

S.No	Parameter / Item	Score (0–4)	Remarks
1	Master Stock Register (Non-consumable, updated)	3.5	Excellent
2	Consumable Stock Register (usage tracked)	3.5	Excellent
3	Breakdown/Repair Register	3.5	Excellent
4	Lab Manuals & Safety Guidelines Displayed	3.5	Excellent
5	Student Lab Attendance & Logbooks	3.5	Excellent
6	Equipment Calibration Records	3.5	Excellent

## SECTION 11 — KEY ACHIEVEMENTS & MILESTONES 2025-26 (H1)

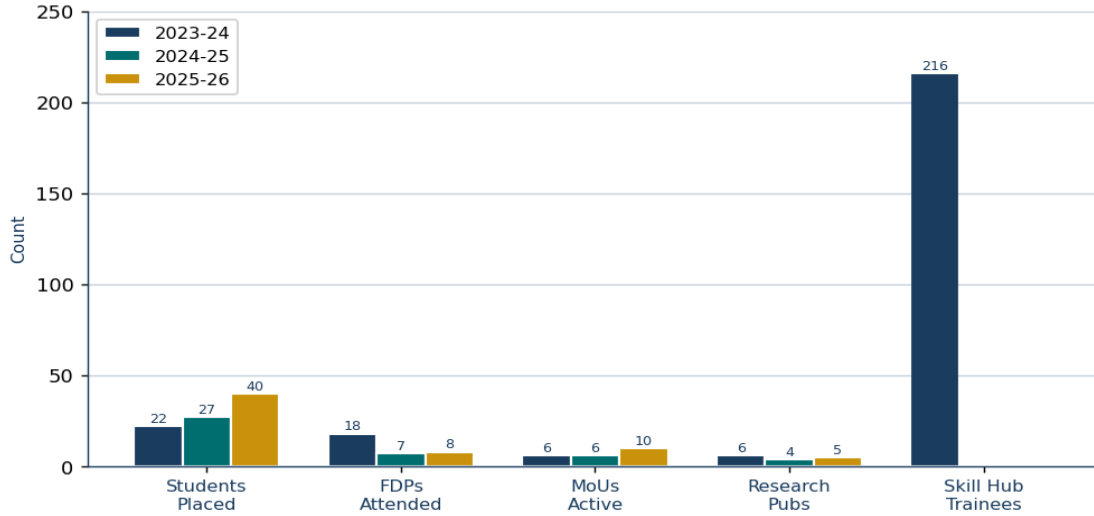
IQAC Key Initiatives — 2025-26 (H1)



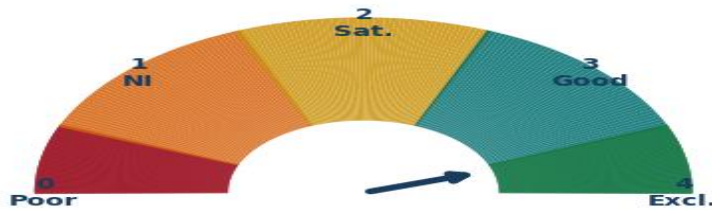
Achievement Category	Details
NBA — DME Accreditation	Diploma in Mechanical Engineering accredited for 2025-26 to 2028-29 — GPT Rajampeta is now fully accredited
Innovation Hub & Tinkering Lab	Launched with 3D printers, Arduino/Raspberry Pi, robotics corner; student projects showcased
Smart Classrooms (2)	85-inch interactive displays in DCE & DME blocks; digital pedagogy transformed
Solar Energy System	20+ kWp commissioned; 30% campus electricity from renewables; CO <sub>2</sub> footprint reduced
Full Wi-Fi Campus	Complete coverage: academic blocks, hostel, workshop, library
AI/ML & IoT in Skill Hour	Skill Hour expanded with AI/ML basics, IoT, digital manufacturing for all semester clusters
BIM & CAD/CAM CoE	Centre of Excellence established; Autodesk Revit, AutoCAD, CAM suite; regional leadership
EDC Launched	Entrepreneurship Development Cell with MSME linkage, pitch competitions, startup mentoring
MoU Expansion	Active MoU partners increased from 6 to 10+; civil, mechanical, IT, construction sectors
Campus Placements Target	40+ students placed — 48% growth over 2023-24 baseline

## SECTION 12 — QUALITY METRICS AT A GLANCE

**Year-wise Institutional Performance Metrics**



**Overall IQAC Quality Score: 3.6/4.0  
(2025-26 H1 Assessment)**



**IQAC — PDCA Quality Improvement Cycle  
Government Polytechnic, Rajampeta**



**IQAC Meeting Timeline — Academic Year 2025-26**



## SECTION 13 — NBA DME ACCREDITATION — QUALITY PREPARATION REPORT

Preparation Area	Action Taken by IQAC	Outcome
SAR Documentation	IQAC coordinated PEOs, POs, CO documentation for DME; attainment data verified	Completed & Submitted to NBA
OBE Implementation	IQAC conducted OBE training for DME faculty; CO-PO mapping matrices completed	Fully Implemented
Lab Facilities	IQAC oversaw SM Lab, TE Lab upgrades; equipment calibration documented for NBA	Ready & Verified by Inspectors
Placement Records	IQAC compiled 3-year placement data with employer feedback documents	Submitted to NBA Panel
Faculty Records	IQAC collated qualification, FDP, research records for all DME faculty	Submitted
Stakeholder Feedback	IQAC coordinated alumni, employer, student feedback analysis and documentation	Reviewed & Submitted
Result: NBA Accreditation	DME programme accredited for 2025-26 to 2028-29	Historic Milestone

*“The IQAC’s role in the DME NBA accreditation was pivotal — from documentation coordination to quality benchmarking to stakeholder feedback compilation. This accreditation is IQAC’s most significant achievement.”*

## SECTION 14 — INNOVATION HUB, SMART CLASSROOMS & SOLAR ENERGY

### 14.1 Innovation Hub & Tinkering Lab

Component	Details	Educational Impact
3D Printing Station	FDM printers; rapid prototyping for project components	Students design & print scale models; project innovation
Electronics Prototyping	Arduino, Raspberry Pi, IoT kits, sensors, actuators	IoT projects by students; hands-on digital engineering
Robotics Corner	Robotic arms, line-follower kits, motor control	Automation & mechatronics exposure beyond syllabus
Project Workspace	Collaborative design tables; whiteboards for team projects	Team problem-solving culture; final year project quality

### 14.2 Smart Classrooms

Feature	Specification	Pedagogical Benefit
Interactive Display	85-inch flat panel, multi-touch	Live annotations, collaborative problem-solving
Android OS + Apps	Pre-loaded engineering simulations and NPTEL content	Self-paced learning; flipped classroom model
Digital Visualiser	For live lab specimen and drawing demo	Eliminates blackboard limitations; HD clarity
Screen Mirroring	From student tablets/laptops	Student-led presentations; peer learning enhanced

### 14.3 Solar Energy & Green Campus

Parameter	Details
System Capacity	20+ kWp rooftop PV installation
Energy Coverage	Approx. 30% of campus daily electricity requirement
Annual CO <sub>2</sub> Saving	Equivalent to planting 500+ trees annually
Educational Value	Live DME laboratory for renewable energy systems; thermodynamics application
Funding	Government of AP Green Campus Grant
Status	Commissioned and operational — AY 2025-26

## SECTION 15 — BEST PRACTICES & INSTITUTIONAL DISTINCTIVENESS

### Best Practice 1: Green Campus Initiatives

**Objective**

To transform GPT Rajampeta into a sustainable, eco-conscious campus that models environmental responsibility while providing practical learning opportunities in renewable energy and waste management.

**Implementation**

Solar energy system (20+ kWp, 30% coverage); LED lighting across campus; waste segregation; plastic-free campaign; tree plantation drives; energy conservation awareness sessions; paperless IQAC documentation.

**Outcome**

30% reduction in grid electricity consumption; DME students gain hands-on renewable energy exposure; Green Audit baseline established; model adopted as institutional best practice for state-level recognition.

### Best Practice 2: Digital Learning Integration

**Objective**

To comprehensively integrate digital tools, LMS, smart classrooms, and AI/ML awareness into the teaching-learning ecosystem, making GPT Rajampeta a future-ready diploma institution.

**Implementation**

LMS deployment (Jan 2025); Smart Classrooms (2025-26); Wi-Fi campus; AI/ML in Skill Hour; Innovation Hub with IoT; BIM & CAD/CAM CoE; NPTEL online certifications for faculty and students.

**Outcome**

100% faculty trained on LMS; Smart Classroom usage in all theory sessions; student AI/ML awareness measurably improved; NPTEL certifications increased; overall ICT integration score improved to 3.5/4.0.

## SECTION 16 — STUDENT & STAKEHOLDER FEEDBACK (H1 2025-26)

Feedback Source	Key Findings	Action Taken
Students — Innovation Hub	Tinkering Lab is “most exciting addition”; request for extended hours	Extended Innovation Hub access to evenings; student coordinator appointed
Students — Smart Classroom	Interactive sessions highly appreciated; request for more simulation tools	Additional engineering simulation apps installed; NPTEL videos integrated
Students — Solar Energy	Proud of green campus identity; want more eco activities	Green Campus Committee formed; annual eco event planned
Parents — EDC Launch	Highly supportive of entrepreneurship cell; want startup success stories shared	EDC newsletter initiated; alumni entrepreneur invited for motivational talk
Alumni — AI Skills	Appreciate AI/ML inclusion; suggest Python hands-on workshops	Python basics added to Innovation Hub schedule; online resources shared
Employers — Recruitment	Strong improvement in student confidence and digital skills	Skills certification added to placement portfolio; 40+ students placed

## SECTION 17 — AQAR 2025-26 PREPARATION STATUS

AQAR Component	Status	Notes
AQAR 2024–25 Finalization	Completed – Uploaded by Jul 2025	All departmental inputs received and compiled
AQAR 2025–26 Data Collection (H1)	In Progress – HODs submitting monthly	Innovation Hub, Smart Classroom, Solar Energy data included
NBA DME Accreditation Documentation	Completed & Submitted	Milestone achievement documented comprehensively
Institutional Goals — 2025–26	7/10 goals achieved (H1)	3 goals ongoing: EDC scale-up, ARIIA, CoE expansion
ARIIA 2025 Registration	Submitted	Innovation, startup, and EDC data included
Online Compliance — AICTE Portal	Updated	Both DCE & DME NBA data updated

## SECTION 18 — PRINCIPAL'S CERTIFICATION & COMPLIANCE STATEMENT

### IQAC HALF-YEARLY QUALITY REPORT — CERTIFICATION

#### Academic Year: 2025–26 (Half-Yearly Report)

This Half-Yearly Quality Report has been prepared by the IQAC of Government Polytechnic, Rajampeta, based on actual data, documentation, meeting minutes, inspection schedules, and institutional records for the first half of the Academic Year 2025–26.

Key highlights: (a) NBA accreditation of DME programme achieved; (b) Innovation Hub and Smart Classrooms launched; (c) Solar energy system commissioned at 30% campus coverage; (d) Full Wi-Fi campus operational; (e) EDC and BIM CoE established; (f) 40+ students placed.

I certify that the information in this report is accurate, evidence-based, and represents a true and fair account of the quality initiatives and achievements of the institution.

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

Principal & Chairman, IQAC — Government Polytechnic, Rajampeta

Date: \_\_\_\_\_ Seal: \_\_\_\_\_

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*“Sradhaavan Labhate Jnaanam — The Devoted Attain Knowledge”*