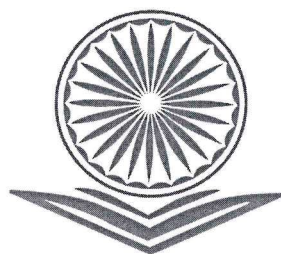


PACE INSTITUTE OF TECHNOLOGY AND SCIENCES

**Report on
Performance of Institution for the Academic Year
2024-2025
by External Peer Team of IQAC**

Submitted to



ज्ञान-विज्ञान विमुक्तये

University Grants Commission (UGC)
Bahadur Shah Zafar Marg,
New Delhi – 110002

PACE Institute of Technology and Sciences
(Autonomous)
Ongole – 523272, Andhra Pradesh

IQAC-EXTERNAL PEER TEAM REPORT ON
PERFORMANCE OF THE INSTITUTION - ACADEMIC YEAR 2023 -24

Members of External Peer Team: Dr P.V.V. Kishore
Professor
Department of ECE
KL Deemed to be a University
Guntur

Dr.P.kiran Kumar
Assistant Professor
Department of Electronics and
Communication Engineering
NIT, Tadepalligudem

- 1. Name of the College** : PACE Institute of Technology & Sciences,
NH-16, Ongole – 523272
- 2. Name of the Principal** : Dr G.V.K. Murthy
- 3. Mobile/ Email** : 9703020577
principal@pace.ac.in
www.pace.ac.in
- 4. Year of Establishment** : 2008

5. Whether private or government or University maintained

: Private / Self Financing

6. Autonomous Status

: UGC granted Autonomous Status in the year 2018

7. Name of the Affiliating University

: Jawaharlal Nehru Technological University Kakinada, Kakinada

8. Courses Offered

:

UG Courses: B.Tech.,

S. No	Program Name	Sanctioned Intake
1	Civil Engineering	60
2	Electrical & Electronics Engineering	60
3	Mechanical Engineering	60
4	Electronics & Communication Engineering	180
5	Computer Science & Engineering	300
6	Information Technology	60
7	CSIT	60
8	CSE(IOT&CSBT)	120
9	AI & DS	180
10	AI & ML	120
11	CSE-R	60
11	EE (VLSID & T)	60

PG Courses: M.Tech., MBA

S. No	Program Name	Sanctioned Intake
1	Structural Engineering	18
2	VLSI and Embedded Systems	18
3	Computer Science & Engineering	18
4	MBA	120

9. Students on Rolls :

Year of study	B.Tech.,	M.Tech.,	M.B.A.	Total
1 st Year	1443	43	132	1618
2 nd Year	1363	58	132	1553
3 rd Year	1268	-	-	1268
4 th Year	1148	-	-	1148
Total	5222	101	264	5587

10. Faculty Strength:

Department	Professor	Associate Professor	Assistant Professor	Total
CE	1	1	19	21
EEE	1	7	18	26
ME	3	6	13	22
ECE	3	8	31	42
CSE	7	7	51	65
CSIT	-	1	8	9
IT	1	1	10	12
CSE(IoT & CSBT)	-	-	15	15
AI&DS	-	1	29	30
AIML	-	1	15	16
MBA	1	2	17	20
H & S	2	14	35	51
Total	13	48	246	307

11. Examination Results

Programme Code	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
01	B.Tech (CIVIL)	109	107	98.17%
02	B.Tech (EEE)	120	110	91.67%
03	B.Tech (MECH)	60	57	95.00%
04	B.Tech (ECE)	201	194	96.52%
05	B.Tech (CSE)	204	197	96.57%
07	B.Tech (CS&it)	70	69	98.57%
12	B.Tech (IT)	68	66	97.06%
47	B.Tech (CSE(IOT&CSBT))	65	63	96.92%
54	B.TECH(AI&DS)	133	131	98.50%
61	B.TECH(AI&ML)	65	61	93.85%
58	M.Tech (Computer Science and Engineering (CSE))	12	12	100.00%
68	M.Tech (VLSI & Embedded Systems (VLSI&ES))	14	14	100.00%
87	M.Tech (Structural Engineering (SE))	15	15	100.00%
00	MBA	115	111	96.52%

PACE Institute of Technology & Sciences, situated in Ongole, Andhra Pradesh was established in 2008 under the auspices of Srinivasa Educational Society. The institution holds approval from the All India Council for Technical Education (AICTE) and maintains affiliation with Jawaharlal Nehru Technological University, Kakinada (JNTUK). In acknowledgment of its academic excellence and institutional quality, the University Grants Commission (UGC) conferred autonomous status upon the college in 2018, with this status extended through 2028.

The institution follows a student-centric Teaching-Learning Process (TLP) aimed at enhancing academic excellence and overall student development. Various innovative teaching methodologies such as experiential learning, project-based learning, interactive classroom sessions, seminars, workshops, and ICT-enabled teaching practices are adopted to improve learning outcomes.

Faculty members actively participate in Faculty Development Programs (FDPs), workshops, certification programs, and research activities to continuously upgrade their knowledge and pedagogical skills. The institution also encourages outcome-based education (OBE) practices to ensure attainment of course outcomes and program outcomes through systematic planning and assessment processes.

Student performance is continuously monitored through a structured evaluation system that includes attendance, assignments, tutorials, internal assessments, quizzes, and semester examinations. Academic progress is regularly reviewed, and students identified as slow learners are provided with additional support through mentoring, remedial classes, counseling, and personalized academic guidance to improve their learning outcomes.

Leadership and governance at PACEITS adhere to a well-defined organizational structure aligned with UGC and AICTE guidelines. Faculty members contribute actively to both academic and administrative functions, fostering a collaborative and empowered institutional environment.

CURRICULAR ASPECTS (2024–2025)

- The syllabus was revised across all undergraduate engineering programs to align with current industry trends and recent academic advancements.
- Courses emphasizing employability, entrepreneurship, and skill development were introduced.
- Each course provides the course name and code, relevant skill-based content, and links to supporting documents.

- Several new courses were incorporated into different programs to increase curricular flexibility and relevance.
- The institution adopted the Choice Based Credit System (CBCS) and elective courses across all programs.
- Documentation includes the year of implementation and details of each revision.
- The institution submitted its annual academic data for 2024–25 to the All India Survey on Higher Education (AISHE), Department of Higher Education, Ministry of Education, Government of India.
- The institution offered value-added courses designed to impart life skills and transferable competencies.
- Key elements documented include course names, duration in hours, frequency of offering, student enrollment, and completion records.
- More than 2,655 students participated in internships, gaining practical industry exposure during the academic year.
- Comprehensive curriculum feedback was collected through course-end surveys, student exit surveys, employer surveys, and alumni or parent feedback. The data was analyzed to inform ongoing academic improvements and institutional development.

TEACHING – LEARNING AND EVALUATION (2024–2025)

- A total of **1618 students**, including those from the Economically Weaker Sections (EWS), were admitted against a sanctioned intake of **1494**, indicating a robust enrolment rate.
- The campus features **90 ICT-enabled classrooms and 8 smart classrooms**, which enhance the quality of the teaching and learning experience.
- The academic calendar and activity schedule were adhered to rigorously, ensuring timely completion of the syllabus and consistent co-curricular engagement.

- Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for all programs are explicitly defined and published on the institutional website.
- The Student Satisfaction Survey (SSS) assessing institutional performance was conducted, and the results were published on the website.

RESEARCH, INNOVATIONS, AND EXTENSION (2024–2025)

- Several research and development projects were approved by private and non-governmental agencies, thereby strengthening departmental research initiatives.
- The institution established several specialized centers, including the following:
 - **Codetantra Coding Platform**
 - **EDUSKILLS**
 - **Spoken Tutorial Resource Centre (IIT Bombay)**
- A student project received national recognition in the "**Innovative Project**" category.
- The **Institution Innovation Council (IIC)** received a **3.5-star rating** for its contributions to innovation, startups, entrepreneurship, and intellectual property rights (IPR) activities to date.
- A total of **37 book chapters and 39 journal articles were published** during the academic year.
- Consultancy services generated a total revenue of ₹20,05,000.
- Several memoranda of understanding (MoUs) with **industry and corporate partners** were signed to promote collaboration and internship opportunities.

INFRASTRUCTURE AND LEARNING RESOURCES (2024–2025)

- A total of **631.97 Lakhs** was invested in infrastructure development to support academic and institutional growth.

- **240.38 Lakhs** was allocated for academic facility maintenance, and for physical infrastructure upkeep.
- The college library was fully automated using the upgraded **ECAP LMS software**.
- Internet bandwidth was upgraded to 1 **Gbps**, ensuring seamless access to digital learning resources.

STUDENT SUPPORT AND PROGRESSION (2024–2025)

- The institution implemented several capability enhancement and development initiatives, including the following:
- Soft skills training
- Aptitude development programs
- Workshops on communication and personality development
- Career guidance sessions
- Competitive examination preparation sessions

Name of the Scheme	Year	No. of Students Enrolled	Organizing Agency
Infosys Company Specific Training for IV B.Tech, Sem-I	2024	200	Dept. fo Training and Placements, PACE ITS
Deloitte Company Specific Training for IV B.Tech, Sem-I	2024	425	Dept. fo Training and Placements, PACE ITS
Snovasys Company Specific Training for IV B.Tech, Sem-I	2024	150	Dept. fo Training and Placements, PACE ITS
Cognizant Company Specific Training for IV B.Tech, Sem-I	2024	250	Dept. fo Training and Placements, PACE ITS
Miracle & Meesho Company Specific Training for IV B.Tech, Sem-I	2024	95	Dept. fo Training and Placements, PACE ITS
Company Specific Training for III B.Tech SEM-II	2025	760	Dept. fo Training and Placements, PACE ITS
Awareness on womens health	2025	120	Health and hygiene, PACEITS

An Awareness Programme on Unlocking The Endocrine System	2025	156	Health and hygiene, PACEITS
Blood donation camp	2024	22	Health and hygiene, PACEITS
Distribution of Deworming drug	2024	738	Health and hygiene, PACEITS
Eye checkup programme	2024	57	Health and hygiene, PACEITS
Free Health Checkup Program	2025	156	Health and hygiene, PACEITS
Free Medical camp	2024	66	Health and hygiene, PACEITS
Orientation on Substances Abuse	2025	120	Health and hygiene, PACEITS
Young Girls Health Awareness Program	150	292	Health and hygiene, PACEITS
Dental health programme on "TRANSFORM YOUR SMILE WITH INVISALIGN"	2024	179	Health and hygiene, PACEITS
Awareness Program on Basic Life Support in Trauma & Emergency	2024	249	Health and hygiene, PACEITS

- 04 students successfully cleared various competitive examinations such as GATE, GRE, CAT, and other public sector exams.
- 327 students secured placements through campus recruitment drives facilitated by the Training & Placement Cell.
- The institution facilitated several scholarships for economically weaker students:

Scholarship Scheme	No. of Beneficiaries	Total Amount Disbursed
PRAGATHI	59	29,50,000
SWANATH	11	5, 50,000
FINANCIAL ASSISTANCE	31	7,75,000
CENTRAL SECTOR	58	6,96,000
NATIONAL	13	39,00,000

SCHOLARSHIP		
POSTMATRIC	2	50,000
SAKSHAM	1	50,000
RELIANCE	2	1,00,000
ONGC	2	96,000
PRAGATHI	59	29,50,000
Total	181	₹91,91,000

- M.KAVYA, received gold medal in university level power lifting (individual)
- SK.FATIMA received participation in National level LACROSSE event
- SK.ABZAL won 2nd place in university level for JNTUK BEST PHYSIQUE
- M.SIVA TEJESWINI, received gold medal in university level power lifting (individual)
- S.BALA KOTAIAH and team, stood as winners in Qis-Fest district-level volley ball (team)

GOVERNANCE, LEADERSHIP AND MANAGEMENT:

- The institution was adopted quality improvement strategies
 - Industry interaction/Collaboration
 - Admission of students
 - Examination and Evolution
 - Research & Development
 - Human resource management
 - Library, ICT and Physical infrastructure/Instrumentation
 - Curriculum Development
 - Teaching and Learning
- The institution is effectively implementing e-governance in various areas of operations as follows:
 - Planning and Development:

- Administration:
 - Finance and Accounts:
 - Student Admission and Support:
 - Examinations:
- With respect to the faculty empowerment strategies, teachers are provided financial support to attend the conferences/workshops and faculty attended various faculty development programmes.
- In order to maintain the internal quality, Academic and Administrative Audit has been carried out by internal and external teams regularly.

INSTITUTIONAL VALUES AND BEST PRACTICES:

The following initiatives are taken by the institution to make the campus ecofriendly.

- Solid waste management
 - Rainwater harvesting
 - Plastic free campus
 - Increase in plantation and greenery area
 - Replacing the conventional electrical energy in to solar energy
- **Best Practices of the Institution:**

Best Practice – 1: Mandatory NPTEL Certification Program for Students

- The institution implemented a mandatory NPTEL certification program to enhance students' technical knowledge, self-learning ability, and industry readiness. Students are encouraged to complete at least one certification course every semester under faculty guidance. Regular mentoring, progress monitoring, and awareness programs are conducted to ensure successful completion. Students are motivated to pursue courses in emerging technologies and interdisciplinary areas. The initiative resulted in **4430 certifications**

by the 2021 and 2022 batches, improving technical competency, employability, confidence, and self-learning culture among students.

Best Practice – 2: Mini Project Based Learning System

- The institution introduced Mini Project Based Learning to strengthen practical knowledge, innovation, and problem-solving skills among students. Students undertake individual or team-based projects focusing on real-time societal and industrial problems under faculty mentorship. Regular project reviews, laboratory support, and technical exhibitions facilitate experiential learning. The practice has improved students' technical competency, creativity, teamwork, presentation skills, and participation in technical events, while also promoting research, entrepreneurship, and industry-oriented learning.

Significant contributions made by IQAC during the current year:

1. Curriculum Enhancement: Facilitated workshops and consultations with industry experts to update the curriculum, ensuring alignment with emerging trends and skill requirements
2. Faculty Development Programs: Organized capacity-building programs, seminars, and training sessions for faculty to improve teaching methodologies and incorporate technology-driven pedagogy.
3. Quality Metrics Implementation: IQAC actively ensured the implementation and monitoring of institutional quality standards and accreditation-related parameters to strengthen academic and administrative processes and support continuous quality improvement initiatives.
4. Research and Innovation Promotion: IQAC encouraged research-oriented activities by promoting interdisciplinary collaborations, supporting innovative projects, and facilitating partnerships with academic institutions and external organizations.

5. Stakeholder Engagement: Structured feedback systems involving students, parents, alumni, employers, and other stakeholders were implemented to identify areas for improvement, enhance academic quality, and strengthen student support and placement activities.

Concluding Remarks:

- It was observed that PACE Institute of Technology & Sciences consistently maintains good academic standards in areas such as curriculum design and delivery, teaching-learning processes, evaluation methods, declaration of results, and research and development activities.
- The institution has shown continuous progress and measurable improvement across major quality parameters and key performance indicators evaluated by national regulatory and accreditation bodies.



Dr P.V.V Kishore

Professor
Department of ECE
KL Deemed to be a University
Guntur



Dr.P.kiran Kumar

Assistant Professor
Department of ECE
NIT,
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