



PACE INSTITUTE OF TECHNOLOGY AND SCIENCES

**Report on
Performance of Institution for the Academic Year 2023-2024
by External Peer Team of IQAC**

Submitted to



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 M Bala Subba Reddy**
Professor
Department of EEE
CBIT
Hyderabad.

Dr P.V.V Kishore
Professor
Department of ECE
KL Deemed to be a University
Guntur

- 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	180
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	1283	58	132	1473
2 nd Year	1295	36	132	1463
3 rd Year	1173	-	-	1173
4 th Year	1124	-	-	1124
Total	4875	94	264	5233

10. Faculty Strength:

Department	Professor	Associate Professor	Assistant Professor	Total
CE	4	8	30	42
EEE	5	3	29	37
ME	2	7	12	21
ECE	5	8	36	49
CSE	7	7	51	65
CSIT	0	2	12	14
IT	2	10	0	12
CSE(IoT & CSBT)	1	1	10	12
AI&DS	2	2	18	22
AIML	1	1	9	11
MBA	1	1	20	22
H & S	0	5	50	55
Total	30	55	277	362

11. Examination Results

Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
B.Tech	Civil Engineering	179	175	97.77
B.Tech	Electrical and Electronics Engineering	117	115	98.29
B.Tech	Mechanical Engineering	58	51	87.93
B.Tech	Electronics & Communication Engineering	191	186	97.38
B.Tech	Computer Science and Engineering	206	200	97.09
B.Tech	Computer Science and Information Technology	68	58	85.29
B.Tech	Information Technology	70	66	94.29
B.Tech	CSE (Internet of things and Cyber security including Block chain Technology)	62	58	93.55
B.Tech	Artificial Intelligence and Data Science	65	64	98.46
B.Tech	Artificial Intelligence and Machine Learning	66	62	93.94
M.Tech	Computer Science and Engineering	14	13	92.86
M.Tech	Structural Engineering	8	7	87.50
M.Tech	VLSI & Embedded Systems	10	10	100.00
MBA	Master of Business Administration	122	120	98.36

PACE Institute of Technology & Sciences, located in Ongole, Andhra Pradesh, was established in 2008 under the aegis of Srinivasa Educational Society. The institution is approved by the All India Council for Technical Education (AICTE) and is affiliated with Jawaharlal Nehru Technological University, Kakinada (JNTUK). In recognition of its academic excellence and institutional quality, the University Grants Commission (UGC) granted autonomous status to the college in 2018, which has been extended up to the year 2028.

To ensure effective academic and administrative operations, PACE ITS has implemented a robust Management Information System (MIS). This system is designed to monitor and manage both academic and non-academic activities efficiently. Key areas tracked include student and staff attendance, academic performance, and internal assessments. The institute leverages advanced e-communication tools and digital platforms to facilitate seamless interaction among faculty, students, and stakeholders, thereby supporting the continuous enhancement of the Teaching-Learning Process (TLP).

Student performance is regularly evaluated through a structured framework involving attendance, assignments, tutorials, and internal assessments—monitored using the E-CAP system, which forms a core part of the MIS. Academically underperforming students receive focused attention, including counseling and remedial classes, to help improve their outcomes.

Another integral component of the MIS is E-Asset, a digital tool used for the effective tracking and management of institutional assets such as laboratory equipment, machinery, furniture, and computer systems, ensuring optimal resource utilization and maintenance.

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

The Internal Quality Assurance Cell (IQAC) of PACE was established on June 10, 2016. Since its inception, the IQAC has played a pivotal role in maintaining academic standards and driving quality improvement initiatives across the campus. Its efforts are directed towards the holistic development of the institution and include curriculum development, faculty enrichment, infrastructure upgrades, and stakeholder feedback mechanisms.

The institution has shown significant progress across several key performance indicators during the academic year 2023–2024, reflecting its commitment to excellence and continual development.

CURRICULAR ASPECTS (2023–2024)

- Syllabus revision was undertaken across all undergraduate engineering programs in line with industry trends and academic advancements.
- Courses focusing on employability, entrepreneurship, and skill development were introduced.
- Each course includes: course name and code, relevant skill-based content, and supporting document links.
- Various new courses were added across different programs to enhance flexibility and relevance.
- The institution has adopted CBCS and elective courses across all programs.
- Includes year of implementation and revision details.
- The institution successfully submitted its annual academic data to AISHE (All India Survey on Higher Education), Department of Higher Education, Ministry of Education, Government of India for the year 2023–24.
- Institution offered value-added courses to impart life and transferable skills.

- Key elements include: course names, duration (in hours), number of times offered, students enrolled, and completion records.
- Over **1108 students** were sent on **field projects and internships**, providing them with hands-on industry exposure during the academic year.
- Comprehensive **feedback on curriculum** was collected through course-end surveys, student exit surveys, employer surveys, and alumni/parent feedback. This data was analysed to support ongoing academic improvements and institutional development.

TEACHING – LEARNING AND EVALUATION (2023–2024)

- A total of **1473 students** including EWS were admitted against the sanctioned intake of **1374**, reflecting a strong enrolment rate.
- The campus is equipped with **90 ICT-enabled classrooms and 8 smart classrooms**, enhancing the teaching-learning experience.
- The academic calendar and activity schedule were followed meticulously, ensuring timely delivery of syllabus and co-curricular engagement.
- **Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs)** for all programs are clearly defined and displayed on the institutional website.
- The **Student Satisfaction Survey (SSS)** on institutional performance was conducted and results were made available on the website.

RESEARCH, INNOVATIONS, AND EXTENSION (2023–2024)

- Several **R&D projects were sanctioned by private and non-governmental agencies**, supporting departmental research efforts.
- The institution established specialized centres including:
 - **CISCO Network Academy**
 - **Codetantra Coding Platform**
 - **EDUSKILLS**
 - **Spoken Tutorial Resource Centre (IIT Bombay)**

- An innovative student project received national recognition under the "**Innovative Project**" category.
- Faculty accolades included:
- The **Institution Innovation Council (IIC)** received a **3.5-star rating** for its contributions to innovation, startups, entrepreneurship, and IPR-related activities.
- A total of **70 Book Chapters and 50 Journals were published** during the academic year.
- An amount of **₹11,49,000** was generated through **consultancy services**.
- Several **MoUs with industries and corporate partners** were signed to foster collaboration and internship opportunities.

INFRASTRUCTURE AND LEARNING RESOURCES (2023–2024)

- A total of **₹574.54** Lakhs was invested in infrastructure development to support academic and institutional growth.
- **₹804.15 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 (2023–2024)

- The institution organized various **capability enhancement and development schemes**, including:
 - Soft skill training
 - Aptitude development
 - Communication and personality development workshops
 - Career guidance sessions
 - Competitive exam preparation

Name of the Scheme	Year	No. of Students Enrolled	Organizing Agency
Accenture company specific training for IV B.tech I sem	2023	274	Dept. of Training & Placements, PACEITS
Deloitte company specific training for IV B.tech I sem	2023	459	Dept. of Training & Placements, PACEITS
Prolifics company specific training for IV B.tech I sem	2023	100	Dept. of Training & Placements, PACEITS
Mitsogo company specific training for IV B.tech I sem	2023	341	Dept. of Training & Placements, PACEITS
DXC company specific training for IV B.tech I sem	2023	454	Dept. of Training & Placements, PACEITS
Data Beat company specific training for IV B.tech I sem	2023	397	Dept. of Training & Placements, PACEITS
company specific training for III B.tech II sem	2024	504	Dept. of Training & Placements, PACEITS
Leprosy screening test for students	2023	18	Health and hygiene,PACEITS
Blood donation camp	2023	96	Health and hygiene,PACEITS
Mental health awareness programe for students	2023	149	Health and hygiene,PACEITS
Distribution of Deworming drug	2023	240	Health and hygiene,PACEITS
Awareness on Myths & facts about menstrual hygiene for girls students	2023	291	Health and hygiene,PACEITS
Awareness on Suicidal Prevention among students	2023	160	Health and hygiene,PACEITS
Awareness on Substance Abuse	2023	159	Health and hygiene,PACEITS
Eye checkup programme	2023	519	Health and hygiene,PACEITS
Awareness on Raod Traffic Accidents	2023	292	Health and hygiene,PACEITS
Awareness Programme on Health Issues	2024	249	Health and hygiene,PACEITS
Free Health Checkup Program	2024	51	Health and hygiene,PACEITS
Deworming drug (ALBENDAZOLE) distribution	2024	1600	Health and hygiene,PACEITS

dental health programe 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
Awareness Program on Heat Stroke	2024	222	Health and hygiene,PACEITS
Accenture company specific training for IV B.tech I sem	2023	274	Dept. of Training & Placements, PACEITS
Deloitte company specific training for IV B.tech I sem	2023	459	Dept. of Training & Placements, PACEITS
Prolifics company specific training for IV B.tech I sem	2023	100	Dept. of Training & Placements, PACEITS
Mitsogo company specific training for IV B.tech I sem	2023	341	Dept. of Training & Placements, PACEITS

- 14 students successfully cleared various competitive examinations such as GATE, GRE, CAT, and other public sector exams.
- 322 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
AICTE Pragathi	122	₹24,40,000
ONGC	94	₹45,12,000
Marubeni	1	₹50,000
Sitaram Jindal	2	₹40,000
Prathibha Award	1	₹20,000
National Minority Scholarship	1	₹26,500
STFC Scholarship	1	₹35,000
Total	~222	₹70,23,500

Total	~222	₹70,23,500
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- BODDU.GOPI CHANDU, received gold medal in university level archery (individual)
- PONUGUPATI. ABRAHAM NICKSON, received gold medal in university level boxing (individual)
- M.KAVYA, received gold medal in university level power lifting (individual)
- P.MANIJ KUMAR, received 3rd place in university level tennis (team)
- BODDU.GOPI CHANDU, received participation in inter-university level archery (team)
- R.RAHUL, received participation in inter-university level badminton (team)
- PONUGUPATI. ABRAHAM NICKSON, received participation in inter-university level boxing (team)
- R.SRI KAVYA, received participation in inter-university level volley ball (team)
- U.VENKATESH, received participation in inter-university level kho-kho (team)
- V.AZEESH, received participation in inter-university level hand 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 and 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:**
- The objectives of autodidacticism are to promote independent learning, foster lifelong curiosity, and develop critical thinking and problem-solving skills. By encouraging self-motivation, discipline, and the ability to learn without formal instruction, autodidacticism allows individuals to tailor their education to personal interests and goals. It enhances adaptability, builds confidence, and enables creative

thinking by exposing learners to diverse sources of knowledge. Ultimately, it empowers individuals to continuously grow intellectually, broaden their understanding, and pursue knowledge in a flexible, cost-effective manner.

- The objective of participatory learning is to actively involve learners in the learning process, encouraging them to take responsibility for their own education through engagement, collaboration, and shared experiences. It aims to foster critical thinking, problem-solving, and practical skills by encouraging interaction, discussion, and reflection among peers. This approach emphasizes hands-on involvement, where students learn through real-world applications, enhancing both their understanding and retention of knowledge. Ultimately, participatory learning seeks to promote deeper learning, personal growth, and the development of social and teamwork skills.

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: Successfully implemented quality assurance frameworks such as NAAC and NBA parameters to monitor institutional performance and enhance academic and administrative processes.
4. Research and Innovation Promotion: Initiated interdisciplinary research clusters and provided funding or resources to promote innovative projects and collaborations with external organizations.

5. Stakeholder Engagement: Conducted feedback mechanisms involving students, parents, alumni, and industry partners to address concerns, improve student satisfaction, and strengthen placement opportunities.

Concluding Remarks:

- It is observed that PACE Institute of Technology and Sciences has been maintaining good academic standards in Curriculum, Teaching-Learning and Evaluation, Declaration of results, Research and Development etc.
- There is considerable improvement in all the key performance indicators measured by the national bodies.



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