PACE INSTITUTE OF TECHNOLOGY &SCIENCES

Report on

Performance of Institution for the Academic Year 2018-2019 by External Peer Team of IQAC

Submitted to

ज्ञान-विज्ञान विमुक्तये

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

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

IQAC-EXTERNAL PEER TEAM REPORT ON
PERFORMANCE OF THE INSTITUTION - ACADEMIC YEAR 2018 -19

Members of External Peer Team: **Dr A Bhaskar**
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Dr G Suresh
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1. Name of the College : PACE Institute of Technology & Sciences, NH-16, Ongole – 523272

2. Name of the Principal : Dr M. Sreenivasan

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	180
2	Electrical & Electronics Engineering	120
3	Mechanical Engineering	120
4	Electronics & Communication Engineering	180
5	Computer Science & Engineering	180
6	Information Technology	60
7	Automobile Engineering	60

PG Courses: M.Tech, MBA

S. No	Program Name	Sanctioned Intake
1	Structural Engineering	18
2	Power Electronics & Control	18
3	Machine Design	18
4	VLSI and Embedded Systems Design	18
5	Computer Science & Engineering	18
6	MBA	180

9. Students on Rolls:

Year of study	B.Tech	M.Tech	M.B.A.	Total
1st Year	758	73	127	958
2nd Year	789	37	161	987
3rd Year	798	-	-	798
4th Year	736	-	-	736
Total	3081	110	288	3479

10. <u>Faculty Strength:</u>

Department	Professor	Associate Professor	Assistant Professor	Total
CIVIL	0	1	33	34
EEE	1	4	10	15
MECH	2	7	20	29
ECE	1	6	26	33
CSE	2	5	18	25
IT	1	2	9	12
AME	0	0	10	10
H&S	2	3	34	39
MBA	1	2	19	22
Total	10	30	179	219

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	163	111	68.1
B.Tech	Electrical & Electronics Engineering	57	41	71.9

B.Tech	Mechanical Engineering	100	39	39
B.Tech	Electronics & Communication Engineering	177	131	74.01
B.Tech	Computer Science & Engineering	119	94	78.99
B.Tech	Information Technology	50	42	84
B.Tech	Automobile Engineering	44	19	43.18
M.Tech	-	71	46	64.78
MBA	-	127	99	77.95

PACE Institute of Technology & Sciences, Ongole, Andhra Pradesh was established in the year of 2008 sponsored by Srinivasa Educational Society. The college is recognized by AICTE and affiliated to JNTUK, Kakinada. UGC granted autonomous status to the college in the year 2018 and extended up to 2028.

PACE ITS has a well-defined Management Information System (MIS) are implemented for monitor the academic and nonacademic activities like academic performance, attendance of students and staffs are recorded and also effectively used e-communication and information system between staffs, students stakeholders for continues improvements of Teaching Learning Process (TLP) and follow-up action. The Academic Performance of students is monitored and measured periodically through Attendance, Assignments, tutorials and internal assessments through e-Cap as a part of the MIS. The performance of academically weaker students is monitored and given guidance and remedial action them improve their performance. The other part of the MIS

is e-Asset mainly focused to assess the total assets and status of laboratory Equipment/machinery /Furniture /Computers extra.

The involvement of leadership is achieved through well defined organizational structure consistent with UGC and AICTE norms. Faculty play a proactive role in the academic and administrative activities of the institution.

The Internal Quality Assurance Cell (IQAC) of PACE Institute of Technology & Sciences was established on 10th June, 2016. From the date of inception, the IQAC is making continuous efforts to maintain quality education as well as taken up various quality initiatives for the overall development of the institution.

The Annual Quality Assurance Report for the year 2018-2019 was submitted to NAAC in January, 2020. Some of the key parameters with respect to the performance of the institution under various heads for the academic year 2018 – 2019 are as follows:

CURRICULAR ASPECTS:

➢ Syllabus revision was made in all Engineering UG, PG programs and MBA during the academic year 2018-19

➢ Various courses are introduced during 2018 – 19 in all UG programmes for the benefit of students with respect to employability/ entrepreneurship / skill development.

➢ Various value-added courses imparting transferable and life skills are conducted for the benefit of students.

➢ The institutional data was submitted to AISHE (All India Survey on Higher Education), Department of Higher Education, Ministry of Education, Government of India for the academic year 2018 – 2019.

➢ About 313 students are sent for the Field projects/Internships for hands on experience during the academic year 2018-2019.

➢ All the departments of institute collecting feedback on curriculum aspects from students, teachers, employers, alumni and parents through

course end survey, student exit survey and employer survey and is being analyzed and utilized for the overall development of the institution.

TEACHING – LEARNING AND EVALUATION:

- ➢ 958 students are admitted against a sanctioned intake of 1170 during the year. The institution is presently having 68 ICT classrooms and 8 Smart Classrooms for the benefit of students.
- ➢ The institution strictly follows the academic and activity calendar prepared at the beginning of the academic year without any deviation. Program outcomes, program specific outcomes and course outcomes for all the programs offered by the institution are stated and displayed in website of the institution.
- ➢ Student Satisfaction Survey (SSS) on overall institutional performance displayed in website of the institution.

RESEARCH, INNOVATIONS AND EXTENSION:

- ➢ R&D projects worth of Rs.16.70 Lakhs were sanctioned by various government and nongovernment agencies to various departments of the institution.
- ➢ Establishment of Dassault systems 3D Laboratory is approved by APSSDC with 900 Licensed Software's.
- ➢ First Approved Nodal center by AP State Skill Development Corporation (APSSDC) in the district.
- ➢ CM's skill Excellence centre - An Unique Scheme by APSSDC is established in PACEITS with 37 High end Laptops to conduct international certification programs.
- ➢ Indian Business Congress Awarded PACEITS as "Best Performing Academic Institution in AP" in 2018.
- ➢ 3 students and one faculty champion participated in University Innovation Fellows program at Stanford University, USA for spring

2018 along with 258 students from 64 Higher education Institutions of 9 countries.

➢ 3 teams received the innovation title under the innovative project category.

➢ Smt E.V.N Jyothi, Associated Professor, Department of CSE received award from DKIRF awards as a Best research scholar award.

➢ Smt T. Maryjones, Associated Professor, Department of MBA received award from Rula awards as a Best researcher in Finance.

➢ Institution Innovation Council (IIC) is established under the aegis of MHRD and the institution achieved 4star rating for the activities conducted regarding to the innovations, IPRs, Startups and Entrepreneurship.

➢ 4 Patents are filed and published during the year 2018-2019.

➢ An amount of Rs. 6,86,000/- was generated through Consultancy during the year 2018-2019.

➢ An amount of Rs. 75,000/- was generated through corporate training by institution during the year 2018-2019.

➢ Institution had thirteen MoUs signed with Industries, Corporate houses during the year 2018-2019.

INFRASTRUCTURE AND LEARNING RESOURCES:

➢ An amount of Rs. 205.78 Lakhs was utilized for infrastructure development during the year.

➢ An amount of Rs.104.83 Lakhs was utilized for maintenance of academic facilities and an amount of Rs.357.88 Lakhs was utilized for maintenance of physical facilities during the year.

➢ The institution library is fully automated with upgraded LMS software "ECAP" during the year 2018-2019.

➢ Bandwidth of Internet connection available in the institution is enhanced to 215 MBPS/GBPS by adding 35 MBPS to the existing 180 MBPS for the benefit of students and faculty.

➤ NPTEL online local chapter our college received "AA" grade at national level in NPTEL examinations.

STUDENT SUPPORT AND PROGRESSION:

➤ Institution organizes various capability enhancement and development schemes for the benefit of students as given below.

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Yoga Training	21/06/2018	350	Aravinda ashramam
Gaming Workshop – Build Box	23/02/2019	180	APSSDC
APTIS Test(English Communication Skills)	13/12/2018	3200	BRITISH COUNCIL
Tally Course	24/12/2018	165	SPSS
Spark Club(Aptitude Test)	22/09/2018	140	Training Dept. of PACE ITS
Communication, Soft Skills, Technical Aptitude	05/12/2018	270	SIS PHARSE
Communication, Soft Skills, Technical Aptitude	25/07/2018	340	Training Dept. of PACE ITS
Training on Meditation	19/01/2019	250	Aravinda ashramam
Personal counseling	22/11/2018	30	Sangamitra Hospital
Bridge Course	12/08/2019	760	Training Dept. of PACE ITS
Mentoring Activity	02/07/2018	2758	Mentors of PACE ITS

			all faculties
Remedial coaching	08/02/2019	848	Subject Faculties of PACE ITS

- About 56 students are benefitted through career counseling activities and about 75 are benefitted in competitive examinations. 89 students are passed in the competitive examinations and 501 students are placed.

- G Dhanlakshmi, 2nd Year MBA received gold medal in state level wrestling and participated in All India Inter University (Women Tournament).

- SK Neelima, 1st year B.Tech, EEE received gold medal for shotput & discus throw in Andhra Pradesh Athletic Association and participated in All India Inter University (Men & Women Tournament).

- P.Chinna, 4th year, B.tech, Civil selected in JNTUK volleyball team and participated in Andhra Pradesh State Inter University Volleyball Men Tournament.

- K Saritha, 2nd Year IT Selected JNTUK Kabaddi team and participated in South zone Inter University (Women Tournament).

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**:

    PACE Institute is planning to implement e-governance system all over the campus in securing files and documents for developing easy access throughout the campus to help the environment by reducing carbon print.

  - **Administration:**

    PACE has already implemented all purchase invoices/bills through digital field to submit for authorization to administrative office and planning to implement faculty and staff's leave/permission application through online e-governance system.

  - **Finance and Accounts:**

    PACE has implemented fees collection for all the semesters through centralized digital payment system

  - **Student Admission and Support:**

    Student admission information display on the college website and admission process is carried out.70% of admission quota was filled by APEAMCET counseling and remaining 30% of admissions filled by management quota. The Academic Performance of students is monitored and measured periodically through Attendance, Assignments, tutorials and internal assessments through e-Cap as a part of the MIS. The performance of academically weaker students is monitored and given guidance and remedial action them improve their performance.

  - **Examinations:**

    All the examinations related information provided in the institutionwebsite.Examinationfeepaymentandresultsarethroug

hthestudentportal.Online examinations conducted through the Moodle platform.

> In order to maintain and improve Internal Quality, Academic and Administrative Audit has been carried out by Internal and External Agencies regularly.

> Institution continuously providing various welfare schemes Teaching, Non-Teaching and student community and are effective.

INSTITUTIONAL VALUES AND BEST PRACTICES:

> For the promotion of Universal Values and Ethics several programmes are organized by the institution during 2018-2019.

> Solar energy is used as renewable energy source which has reduced the consumption of conventional electricity. All the electrical appliances are purchased with star rating, Incandescent lamps have been replaced by CFL and now CFL are being replaced by LED bulbs. Waste Management and Rainwater Harvesting structures and utilization in the campus, the campus is restricted to use of all types of plastics, the campus is maintaining the lush green campus with trees with a Garden Land.

> **Best Practices of the Institution:**

PACE Institute of Technology Sciences, Ongole was established on 2008 by Srinivasa Educational Society. It is an autonomous institution affiliated by JNTUK, Kakinada. The institute became autonomousin2018foraperiodof10years till 2028.

1. Institution Innovation Council and Entrepreneurship Development Cell is established with an office in Campus with an objective to build strong brand presence among the industry by constantly interfacing and in erecting with the stakeholders. The cell is involved in grooming the entrepreneurship cell in the near future.

2. The College follows an outcome base education by developing course plans with objectives and outcomes. The learning styles of the

students are evaluated through CIE. Curriculum gaps are plugged through design-based experiments, additional labs other than the curriculum and evaluated systematically through different assessment tools.

3. Regular training placement is imparted in the area of communication skill and aptitude to the students to make them employable. The College has encouraged students to pursue intern ships during the vacations and acquire necessary problem-solving skills. The College regularly encourages the students to compete in external competitions (Tech fest's, paper presentations and idea and innovation contest).
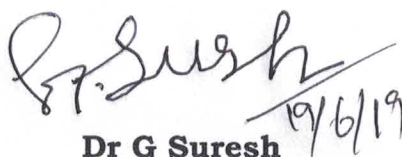
> **Institutional distinctiveness:**

PACE Institute of Technology and Sciences, Ongole, A.P. has the vision to develop futuristic knowledge and leadership in technical education through simulating innovation, skill development and focused research on changing demands of the global competitiveness. The institute focused on important and distinctive fronts to show its performance, such as strong faculty development programmes, effective student learning's, developing a strong research culture and providing platform for entrepreneurs to improve their leadership and maximize growth through social responsibility and community engagement. Among these, the details of performance of the institute are on social responsibility and community engagement by up bringing our students, who can sensitize the problems of society and engage the community for solving the challenging problems of our society. PACE is committed from the inceptions for social responsibility and community engagement. For the past 10 years, we have been doing community development activities like road safety awareness programs, sanitation awareness programs, e-literacy programs, gender equality awareness programs, Swacch and Unnat Bharat programs, blood donation camps, corruption preventing

awareness programs, by being partnering with the state government, private organizations and NGOs. In this 2018- 2019 academic year, management resolved to organize awareness activities on women's safety and security, environmental changes awareness, plastic banning campaign, social media crime awareness, and tree plantation. The institution also has adopted 5 villages from Prakasam district in Andhra Pradesh as a PACE social responsibility.

Concluding Remarks:

➢ It is observed that PACE Institute of Technology and Sciences has been maintaining good academic standards in Curriculum, Teaching-Learning and Evolution, 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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