



P.A. COLLEGE OF ENGINEERING

Affiliated to VTU | Approved by AICTE Recognized by Govt. of Karnataka

ANNUAL REPORT

2018-19

Near Mangalore University, Konaje, Mangaluru - 574153



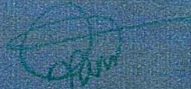

PRINCIPAL
P.A. COLLEGE OF ENGINEERING
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INTRODUCTION


P.A. College of Engineering (PACE) was established in the year 2000 under the aegis of PAET, with an aim to provide a career-oriented professional education and to produce technically competent engineers with moral and ethical values. The institution is dedicated to promote an effective learning environment that encourages excellence and diversity in thoughts and endeavour.

PACE is affiliated to the Visvesvaraya Technological University (VTU), Belgaum and is approved by the All India Council for Technical Education (AICTE), New Delhi, recognized by the Government of Karnataka.

P.A. College of Engineering which instituted with a total intake of 240 students- 60 students each in four disciplines of engineering, has now grown in leaps and bounds. Over the two decades new undergraduate programs, postgraduate programmes in various branches of engineering, MBA courses and Research programmes were added to meet the growing demand in the industry and the intake has been increased in Engineering and management courses. Teaching and research facilities at PACE are already among the best and continues to improve. Well qualified faculty with international reputation, a well-developed campus and outstanding infrastructure makes PACE much sought after for technical and management education. The institution regularly invites experts from industry and academia for interaction with students. While helping the students to reach their full potential, PACE also offers innumerable opportunities for extracurricular activities that match nearly every interest.

PACE is located in Mangalore, a city which has established itself as the knowledge hub of South India and has become a haven for advanced study. Beautiful environment and salubrious climate make Mangalore a dream destination for learning. Mangalore is well connected to the rest of the country by air, rail and road. Nestled amidst lush greenery, P. A. College of Engineering celebrates the serene splendour of pristine nature. Spread across 60 acres, the college offers the perfect setting for an academic environment.




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VISION AND MISSION


Vision

PACE is envisaged as a centre of evolution for excellence in Technological, Management and Research Education. The institution aspires to spread universal knowledge through villages and cities enabling expansion of human resources.

Mission

- To provide career-oriented professional education to produce technically competent engineers and managers with moral and ethical values.
- To foster and promote an effective learning environment in the campus to be recognized as place that encourages excellence and diversity in thoughts and endeavour.
- To provide research and intellectual resources to address problems facing the industry and the society while advancing the scopes of multidisciplinary applications.




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GOVERNING COUNCIL

No	Name	Designation	Profession
1.	Dr P A IBRAHIM	Chairman	Business & Educationist
2.	Mr. Abdulla Ibrahim	Executive Director	Service
3.	Mr. Ahmed Kutty	Member	Director Finance
4.	Mr. M P Ahammed	Member	Industrialist
5.	Dr. Abdul Rahman	Member	Educationist
6.	Dr Ramesh U	Member	Educationist
7.	Director of Technical Education	Member	Director DTE
8.	Director of SWRO AICTE	Member	Director SWRO




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9.	Mr. Aseef Mohammed	Member	Advocate
10.	Dr. Ramis M. K	Member	Vice Principal
11.	Dr. Abdul Sharief	Member	Principal

PROGRAMMES

B.E & M tech

SI No	Courses	Intake
01	B.E. COMPUTER SCIENCE & ENGINEERING	120
02	B.E. BIOTECHNOLOGY	30
03	B.E. CIVIL ENGINEERING	90
04	B.E. ELECTRICAL AND ELECTRONICS ENGINEERING	30
05	B.E. ELECTRONICS AND COMMUNACATIONS ENGINEERING	90
06	B.E. MECHINICAL ENGINEERING	90
07	B.E. MECHINICAL ENGINEERING (2ND SHIFT)	60
08	M.TECH. DIGITAL COMMUNICATIONS AND NETWORKING	18
09	M.TECH. COMPUTER SCIENCE & ENGINEERING	24
10	M.TECH. THERMAL ENGINEERING	18
11	M.TECH. VLSI	24



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MBA

SI No	Courses	Intake
01	MBA	90

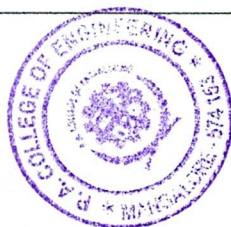
Ph.D

P.A. College of Engineering has eight VTU recognized research centers offering Ph.D. and M.Sc. (Engg.) by Research courses. Various Ph.D. faculty members are available as research guides in various departments to supervise the research scholars on recent advances in various fields.

ADMISSIONS

B.E & M tech

SI No	Courses	New enrolment
01	B.E. COMPUTER SCIENCE & ENGINEERING	119
02	B.E. BIOTECHNOLOGY	29
03	B.E. CIVIL ENGINEERING	60
04	B.E. ELECTRICAL AND ELECTRONICS ENGINEERING	20
05	B.E. ELECTRONICS AND COMMUNICATIONS ENGINEERING	25
06	B.E. MECHANICAL ENGINEERING	70
07	B.E. MECHANICAL ENGINEERING (2ND SHIFT)	1
08	M.TECH. DIGITAL COMMUNICATIONS AND NETWORKING	2
09	M.TECH. COMPUTER SCIENCE & ENGINEERING	2
10	M.TECH. THERMAL ENGINEERING	1



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11	M.TECH. VLSI	4
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MBA

Sl No	Courses	New enrolment
01	MBA	30

ACTIVITIES OF 2018-2019

1. As part of our efforts to minimize educational gaps, the college offered 8 additional certification courses, enrolling a total of 789 students.
2. Three faculties of the college received grant to tune off 30 lakhs in the current academic year.

Name of the Research Project/ Endowment	Name of the Principal Investigator/Co - investigator	Name of the Funding Agency	Amount Sanctioned (INR in Lakhs)
High Performance Computing Framework for Efficient Discovery of Useful Patterns from Voluminous Data Using Soft Computing	Dr. Zahid Ansari	VGST (CISEE)	10
Combined Impact of High Injection Pressure and Injection Timing on the Performance and Combustion of Common Rail Direct Injection (CRDI) Engine Fueled with a Biodiesel Blend	Dr. Ramis MK	VGST, Level - 1 (K-FIST L1)	10

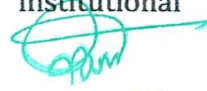



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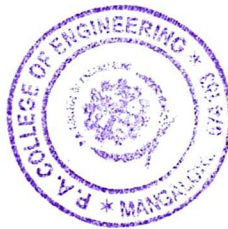
Photo-protective and Water-repellant Nano-finished Cloth and Film from Fish Waste and Weed Leaf	Dr. Krishna Prasad	VGST, Level – 1 (K-FIST L1)	10
Total amount received in the Academic Year 2018-19 (INR in Lakhs)			
30			

3. In the year 2019 the faculties of the college have published a total of 35 articles and 18 conference proceedings/book chapters.
4. The institute has organized approximately 11 extension and outreach activities in collaboration with the National Service Scheme (NSS) and the Youth Red Cross (YRC) units of the college in the year 2018-2019.
5. In the 2018-2019 academic year, the institute organized a series of valuable sessions aimed at enhancing knowledge and skills across key areas. These included:
 - Research Methodology: This session focused on equipping participants with essential research skills, including methods for designing, conducting, and analyzing research effectively.
 - Intellectual Property Rights: This session provided insights into the legal aspects of intellectual property, covering topics such as patents, copyrights, and trademarks, and their importance in protecting innovations and creative works.
 - Entrepreneurship: This session offered guidance on entrepreneurial skills, including business planning, startup strategies, and the challenges and opportunities in launching and managing new ventures.
6. During the academic year 2018-2019, our institution successfully facilitated financial support for 1026 students through various scholarship programs. The total scholarship amount distributed was significant, with funding coming from both government and institutional sources. A substantial portion of the scholarships, amounting to ₹41,33,000, was provided through the National Scholarship Portal (NSP) and State Scholarship Portal (SSP). In addition, the institution itself awarded ₹50,60,010 in scholarships. These institutional




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- scholarships are designed to support students based on merit, need, and various other criteria set by the institution.
7. During the academic year 2018-2019, the institution engaged 1030 students in specialized programs tailored to enhance their preparation for competitive examinations and offer career counseling.
 8. In the academic year 2018-2019, the institution's Training and Placement Cell played a crucial role in helping students transition from academia to the professional world. Out of the 318 students who sought placement assistance, 239 successfully secured positions with various employers.
 9. During the academic year 2018-2019, Abhishek H cleared the IBPS examination.
 10. During the academic year 2018-2019, 5 students were awarded medals and accolades for their outstanding performance in sports and cultural activities.
 11. The college hosted 45 sports and cultural programs in the academic year 2018-2019 offering students numerous opportunities to actively participate and demonstrate their talents.
 12. During the academic year 2018-2019, financial support totalling ₹3.01 lakhs was provided to 58 teachers for attending conferences, workshops, and seminars, contributing to their professional growth and academic development.
 13. During the academic year 2018-2019 60 teaching staff engaged in Faculty Development Programs (FDP) and other professional development activities, while 20 non-teaching staff participated in administrative training programs, enhancing their skills and expertise.
 14. In the academic year 2018-2019 the DHI ERP system was implemented and it has become an essential tool for our college. It significantly streamlined both administrative and academic processes,

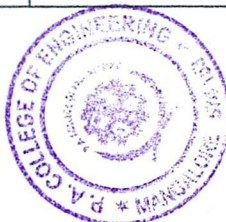



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FACULTY DATA

List of full-time teachers during the academic year 2019-2020 is as given below:

Sl. No.	Faculty Name	Designation	Department
1.	Dr. Krishna Prasad N	Professor	Biotechnology
2.	Mr. Ronald Valder	Assistant Professor	Biotechnology
3.	Mrs. Shainy Mathew	Assistant Professor	Biotechnology
4.	Ms. Yashaswini B M	Assistant Professor	Biotechnology
5.	Dr. Arunodaya H S	Assistant Professor	Biotechnology
6.	Dr. Shaillet Mathew	Assistant Professor	Biotechnology
7.	Dr. Rizwana Abid	Assistant Professor	Biotechnology
8.	Ms. Nagma Parvin K A	Assistant Professor	Biotechnology
9.	Dr. Sharmila Kumari M.	Professor	Computer Science
10.	Dr. Zahid Ansari	Professor	Computer Science
11.	Mr. Javad Baig	Assistant Professor	Computer Science
12.	Mr. Ganesh Pai	Assistant Professor	Computer Science
13.	Mr. Mohammed Hafeez M K	Assistant Professor	Computer Science
14.	Mr. Mohammed Asif Raibag	Assistant Professor	Computer Science
15.	Mrs. Sakeena	Assistant Professor	Computer Science
16.	Mr. Abdul Majeed K.M	Assistant Professor	Computer Science
17.	Ms. Shamna.N V	Assistant Professor	Computer Science
18.	Mr. Habeeb Ur Rehman P B	Assistant Professor	Computer Science
19.	Mr. Nishant Narayanan	Assistant Professor	Computer Science
20.	Mr. Muhammad Saifuddeen	Assistant Professor	Computer Science
21.	Ms. Jovita Vani Sequeira	Assistant Professor	Computer Science
22.	Ms. Naseeba	Assistant Professor	Computer Science
23.	Ms. Masna	Assistant Professor	Computer Science
24.	Ms. Fathimath Safeeriya	Assistant Professor	Computer Science
25.	Mr. Mohammed Tanzeem Agra	Assistant Professor	Computer Science
26.	Ms. Namratha Rai M A	Assistant Professor	Computer Science
27.	Dr. Palakshappa K.	Professor	Civil Engineering
28.	Dr. Ugyen Gyurme	Associate Professor	Civil Engineering
29.	Mr. Yathish	Assistant Professor	Civil Engineering
30.	Mr. Praveen Suvarna S.	Assistant Professor	Civil Engineering
31.	Mrs. Jameela	Assistant Professor	Civil Engineering
32.	Mr. Jasim P. P.	Assistant Professor	Civil Engineering
33.	Mr. Chethan K.	Assistant Professor	Civil Engineering
34.	Ms. Aysha Afeeza	Assistant Professor	Civil Engineering
35.	Mr. Badruddin P. M.	Assistant Professor	Civil Engineering



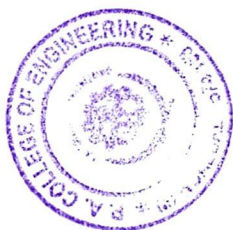
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Sl. No.	Faculty Name	Designation	Department
36.	Ms. Dishadvi D. D.	Assistant Professor	Civil Engineering
37.	Mr. Ravikiran	Assistant Professor	Civil Engineering
38.	Ms. Athira Prasad	Assistant Professor	Civil Engineering
39.	Mr. Sanketh Rai	Assistant Professor	Civil Engineering
40.	Ms. Amrutha	Assistant Professor	Civil Engineering
41.	Mr. Vivek N Mayya B	Assistant Professor	Civil Engineering
42.	Mr. Shrikanth Moger	Assistant Professor	Civil Engineering
43.	Dr. S Abdul Rahiman	Professor	Electronics & Communication
44.	Mr. Mohammad Hussain K	Assistant Professor	Electronics & Communication
45.	Mrs. Chandana B.R	Assistant Professor	Electronics & Communication
46.	Mrs. Littimol Mathew	Assistant Professor	Electronics & Communication
47.	Mr. Tenson Jose	Assistant Professor	Electronics & Communication
48.	Mr. Amjad Khan	Assistant Professor	Electronics & Communication
49.	Mr. Mohammed Zakir B	Assistant Professor	Electronics & Communication
50.	Mr. Shamseer Ali A.	Assistant Professor	Electronics & Communication
51.	Mrs. Asia Hazareena	Assistant Professor	Electronics & Communication
52.	Mr. Mohammed Saleem	Assistant Professor	Electronics & Communication
53.	Ms. Nafeesath. T.P.	Assistant Professor	Electronics & Communication
54.	Ms. Safra	Assistant Professor	Electronics & Communication
55.	Ms. Ayishathil Bushra	Assistant Professor	Electronics & Communication
56.	Mr. John Valder	Assistant Professor	Electrical & Electronics
57.	Ms. Divya. P	Assistant Professor	Electrical & Electronics
58.	Mr. Sleeba Mathew C.	Assistant Professor	Electrical & Electronics
59.	Mrs. Fathimath Raihan	Assistant Professor	Electrical & Electronics
60.	Ms. Nandini. S	Assistant Professor	Electrical & Electronics
61.	Mr. Vittal Bhat. M	Assistant Professor	Electrical & Electronics
62.	Ms. Nishitha K	Assistant Professor	Electrical & Electronics
63.	Dr. Abdul Sharief	Professor	Mechanical Engineering
64.	Dr. Ramis .M.K	Professor	Mechanical Engineering
65.	Mr. Chandrakant V. Pujar	Associate Professor	Mechanical Engineering
66.	Mr. Prashanth Pai. M	Assistant Professor	Mechanical Engineering
67.	Mr. Abdul Razzak	Assistant Professor	Mechanical Engineering
68.	Mr. Varun Hegde	Assistant Professor	Mechanical Engineering
69.	Mr. Rounaq Ahmed	Assistant Professor	Mechanical Engineering
70.	Mrs. Anitha Kamath	Assistant Professor	Mechanical Engineering
71.	Mr. Mohammed Avvad	Assistant Professor	Mechanical Engineering




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Sl. No.	Faculty Name	Designation	Department
72.	Mr. Chethan K M	Assistant Professor	Mechanical Engineering
73.	Ms. Shruthi R Shetty	Assistant Professor	Mechanical Engineering
74.	Mr. Mohan K P	Assistant Professor	Mechanical Engineering
75.	Mr. Mohammed Sirajuddin	Assistant Professor	Mechanical Engineering
76.	Mr. Mohammed Kareemullah	Assistant Professor	Mechanical Engineering
77.	Mr. Navaneeth. I.M.	Assistant Professor	Mechanical Engineering
78.	Mr. Rudresha N	Assistant Professor	Mechanical Engineering
79.	Mr. Avinash	Assistant Professor	Mechanical Engineering
80.	Mr. Ali Afzal	Assistant Professor	Mechanical Engineering
81.	Mr. Shahabaz S M	Assistant Professor	Mechanical Engineering
82.	Mr. Rayid Muneer	Assistant Professor	Mechanical Engineering
83.	Mr. Kiran Kumar B	Assistant Professor	Mechanical Engineering
84.	Mr. Darshan B V	Assistant Professor	Mechanical Engineering
85.	Mr. Asif Afzal	Assistant Professor	Mechanical Engineering
86.	Mr. Maruthi Prashanth B H	Assistant Professor	Mechanical Engineering
87.	Mr. Alston Terril Goveas	Assistant Professor	Mechanical Engineering
88.	Dr. Surfraz Hasim J.	Professor	Basic Science & Humanities
89.	Mr. Ismail S.	Assistant Professor	Basic Science & Humanities
90.	Mr. Ismail Shaffi A.M	Assistant Professor	Basic Science & Humanities
91.	Dr. Rajesha Nairy K	Assistant Professor	Basic Science & Humanities
92.	Mr. Zishaan Abdulla	Assistant Professor	Basic Science & Humanities
93.	Ms. Sareen Sheikh	Assistant Professor	Basic Science & Humanities
94.	Mrs. Mitra Kunjaru	Associate Professor	Basic Science & Humanities
95.	Mrs. Asha Saraswathi	Assistant Professor	Basic Science & Humanities
96.	Mrs. Sumangala Rao	Assistant Professor	Basic Science & Humanities
97.	Mrs. Savitha Rai	Assistant Professor	Basic Science & Humanities
98.	Mr. Abdul Majeed	Assistant Professor	Basic Science & Humanities
99.	Dr. Ravikiran A Mundewadi	Assistant Professor	Basic Science & Humanities
100.	Mr. Jishad M K	Assistant Professor	Basic Science & Humanities
101.	Mr. Shashidhara K	Assistant Professor	Basic Science & Humanities
102.	Mrs. Shafinaz	Assistant Professor	Basic Science & Humanities
103.	Mr. Zoheb Ali	Assistant Professor	Business Administration
104.	Mrs. Shama Hakeem	Assistant Professor	Business Administration
105.	Ms. Azvin	Assistant Professor	Business Administration
106.	Ms. Ranjitha D S	Assistant Professor	Business Administration



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STUDENTS DATA

Our institution proudly hosts a diverse and dynamic student body, with a total enrollment of 1,426 students. These students are distributed across 6 undergraduate (UG) programs and 2 postgraduate (PG) program.

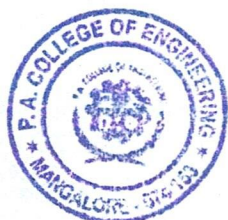
Name of the Program	4th year	3rd year	2nd year	1st year	Total
B. E. in Biotechnology	12	26	23	29	90
B. E. in Computer Science and Engineering	83	78	84	119	364
B. E. in Civil Engineering	68	88	95	60	311
B. E. in Electronic and Communication Engineering	31	31	27	25	114
B. E. in Electrical and Electronics Engineering	12	20	14	20	66
B. E. in Mechanical Engineering	96	141	105	71	413
Masters of Business Administration	0	0	16	30	46
Masters of Technology	0	0	13	9	22
	302	384	377	363	1426


CONCLUSION

The academic year 2018-2019 was marked by significant achievements and advancements at our institution. We took substantial steps to bridge educational gaps by offering additional certification courses, benefiting 789 students. Our faculty secured impressive grants totaling 30 lakhs for innovative research projects. The scholarly output was notable, with 35 published articles and 18 conference proceedings/book chapters.

Our students excelled beyond academics, with achievements in the IBPS examination, sports, and cultural activities. The college hosted 45 sports and cultural programs, encouraging student participation and talent demonstration. Faculty and staff development was also prioritized, with financial support provided for attending conferences and engaging in professional development activities.

The implementation of the DHI ERP system significantly streamlined administrative processes, improving efficiency across the college. This academic year stands as a testament to our commitment to excellence, innovation, and holistic development for our students, faculty, and staff.




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