



KPR INSTITUTE OF ENGINEERING
AND TECHNOLOGY
(Autonomous)

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Annual Report 2019-2020

29.02.2020

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A happy morning to everyone present here! Its delightful to see the bright, bold and beautiful faces of young minds with great expectations. I deem it a great privilege to present unto you the Annual Report of the Academic Year 2019-2020, of KPR Institute of Engineering and Technology. Having witnessed 10 years of Academic excellence since 2009, the Institution stands tall with remarkable achievements and milestones. To name a few, the institution has been conferred with the Status of Autonomy in this year and has gone for reaccreditation by NBA for CSE, EEE, ECE and Mechanical department. The Institution functions as an empirical body with a regular review of Governing Council, Academic Council, Board of Studies and IQAC Cell, for quality assurance and improvement. The Institution functions actively with the coordinated effort of 42 Steering Committees and aims at providing a conducive environment for students to enhance skills and creativity.

The institution holds a **student's strength** of 2714, who are trained and educated skilfully by a highly qualified and efficient team of faculty members. To quote the generosity of the management, a total of 905 students, which is nearly 1/3rd of the total strength are being educated under scholarship system.

Moving to the **academic performance** of the Students, the following results have been published after being scrutinised by the Result Passing Board. The Overall pass percentage of the Institution is 84.5 and the pass percentage of the final year students is 91.5 %, III - year with 84.9%; II year- 76% and I -year 85.4%

As an Industry Driven Institute, the students have been constantly encouraged to involve in **Industry internship** programs in reputed industries, and for the record, around 590 students have undergone internship at various industries and companies, out of which 270 students

have been placed through Internships. In addition, our students have been involved in carrying out projects that could become products in near future. A Few notable projects namely Smart Garbage Management Systems and Smart System for Grey Water Management in an Apartment have participated in the IIT – PALS InnoWAH! Competition. Besides, the project of EEE students have been short listed for the Quarter Finals among 18,000+ teams in India Innovation Challenge Design Contest 2019.

To quote few of our **major accomplishments**, the students of Mechanical Department have secured 3rd place in CODISSIA and participated in AICTE Chhatra Viswakarma Award 2019. The II & III-year CSE Students have been placed 4th in the National Level Hackathon at Manipal University, Jaipur. Further, our student Sundhar.P of ECE has been ranked with 100 places in VIRTUSA. To add more, two of the Mechanical Students have secured 3rd Place in 33rd National Convection on Quality Concept at IIT, Varanasi. In the IEEE YESIST 12'2019 Maker Fair of Stamford University, the students from EEE department have secured 2nd Place. Moreover, our students from EEE and CSE have bagged first place in paper presentation at PSG iTech, Coimbatore. Having said that 418 students have cleared the NPTEL examinations.

The institution is supported by a significant team of 202 **faculty members**, in which 58 are PhD holders and 90 are pursuing their doctoral degree. To highlight the contribution of faculty members, we have 73 publications in refereed journals that are indexed in Scopus and Web of Science. Around 20 patents have been filed, and 76 proposals have been submitted for grants in funding agencies. Adding more, we have been sanctioned with grants of Rs. 12,91,732 for a total of 9 proposals. Talking about Internships, 64 faculty members have undergone Internships at various Industries to bridge the gap between practical and theoretical learning. Around 10 faculty members have been resource persons for guests

lectures at various institutions. Upon visiting 327 Industries all over India, a total of 29 Industrial projects have been taken up to address the industry related issues. Further, 11 Consultancies have been initiated this year. About 84 faculty members have cleared the NPTEL examinations and 4 faculty members have topped the exams at the National level. Having these in mind, a revision of HR policy has also been carried out for the benefit of the faculty members.

To brief about the **Department Activities**, a total of 205 events have been organised by various departments and altogether 11 Memorandum of Understandings have been signed with various sectors namely Royal Care Super Speciality Hospital, Vital Bio Systems, Builders Association of India, EMURGO Ignitive Lab, CINDAN Technologies, TWIRLTACT Technology Solutions, EKKI PUMPS, Roots Industries, SIEMENS - NIT TRICHY, Aspiring Minds and Edwise International Llp.

The Departments have been offering a total of 18 **Value Added Courses** for skill development in various thrust areas. A few are Android APP development, Basics of CAD, Autocad, Revit Architecture, RHCSA Training, Basics of Blockchain, Language Proficiency, LABVIEW Programming, Verilog Programming and Hindi, Japanese and German Language Course.

For rendering practical exposure to the student community, the institution also offers **Liberal Arts** courses namely Positive Attitude and Emotional Intelligence, Art of Public Speaking, Roof Gardening, Industrial Psychology, Entrepreneurship, Memory Techniques, Two-Wheeler Mechanics, Drama, Occupational Safety and Health, Yoga for Youth Empowerment and Vedic Mathematics. Many other courses are in pipeline.

Having bestowed with a strong association with Industries, establishment of **Centre of Excellence** at all departments is another feather to our cap. A total of 12 Centres of

Excellence are functioning effectively and those include RedHat Academy, AWS Academy, Emurgo Ignitive Laboratory, GUVI, Centre for Internet of things, Design and Testing Lab, Renewable Energy Lab, Sensors and Embedded Lab, Automation Lab, Centre For Automotive Research and Centre For Product Development. As a part of providing holistic education, community service such as Swaach Bharath, tree plantation and awareness programs are conducted at the nearby villages.

At this juncture, it is mandatory to state that our institution has been associated with 12 **Professional Bodies**, namely Computer Society of India, Indian Biomedical Skill Consortium, Indian Concrete Institute, Indian Geotechnical Society, Indian Society for Technical Education, Indian Welding Society, Indian Society of Heating, Refrigerating and Air Conditioning Engineers, Institute of Electrical and Electronics Engineers, Institution of Engineers, Institution of Electronics and Telecommunication Engineers, Society of Automotive Engineers and The Institution of Green Engineers.

I would like to place on record that our institution is associated with **Foreign Universities** for exchange programs all along and this year a team of students from Otago Polytechnic, New Zealand, were enlightened about the cutting -edge technology and the cultural heritage of Tamil Nadu. Further, a team of students will be travelling to Middlesex University, Dubai, during March for a period of 5 days.

Incredible Initiatives have been taken by the **Placement and IIPC cells** to enhance the skills and employability of the students. 90% of students have been placed in various reputed companies like Think and Learn, TCS, Hexaware, Zoho, HP, Amazon and so on.

Another such unique initiative is the registration of the KPRIET Alumni Association, under the Tamil Nadu Societies Registration Act. This association serves best by extending their

valuable insights in framing the syllabi and provides a tremendous support in placement activities.

At the institution level, a total of 34 **events** have been organised and to mention a few, NEST 2019, KCL Corporate Staff Cricket Tournament, Career Guidance Program, Swatch Bharat Mission, Breast Cancer Awareness Program, Saadikalam Vaanga, KPR Mini Marathon, Kaalaiyar Thiruvizha, Kovai Vizha, Saviskara, and IGNITRRON. Apart from these massive and spectacular events, nearly 51 interdepartmental programs have been organised by various committees and 21 clubs of Saviskara.

Our College **NCC** Team of 35 Cadets requires a special mention, as their efforts have served its purpose in bringing pride to our institution. One of our cadets, Rithika Sherin of II ECE has participated in the final Inter Group Competition of Republic Day Camp and has been accoladed as the Camp Senior. She has also received the CM Banner for the Kovai group. In addition, our Institution has hosted two Annual Training Camps and one Pre IGC camp.

The Service of the **NSS** Team is noteworthy and to mention a few our team has been actively involved in Clean India Movement, Stem Cell Awareness program, Dengue Awareness Pledge, Road Safety Awareness Program, Clean Unjapalayam initiative and Health Awareness Program at Rasipalayam.

Having in mind the idea that, a Sound Body harbours Sound mind, our management has been magnanimous in establishing a **Sports** complex, at a cost of Rs. 2 Crores, including 2 Tennis, 2 Volley Ball, 2 Throw Ball, 2 Kho – Kho, 2- Kabaddi and 2 Ball Badminton courts. This year around 16 events have been organised and hosted by our Sports team. Needless to say, our students have represented our college in National and State level events and have brought laurels to the Institution. To highlight some, our students have bagged bronze medal in the 6th Tamilnadu State level Wrestling Championship, and 2nd place in Hammer throw. Further in

the Anna University Zone 9 Athletic Sports meet, they have secured 2nd place and 3rd place in Triple Jump, Long Jump, High Jump, Shot put and Discuss Throw. In addition, our Kabaddi team and Volley Ball team have emerged victorious in the Anna University Tournament. Besides, the Basketball and Volleyball team have been positioned as runners.

In **conclusion**, I would like to stress that our students and faculty members have put their heart and soul in driving this institution to the next level. Their accomplishments and accolades are highly commendable and deserve a big applause. With this being said, I'm certain that the path of our success story is long and we have great heights to reach. By virtue of authority vested in me, I guarantee that we would soar higher holding the flag of KPRIET with pride.