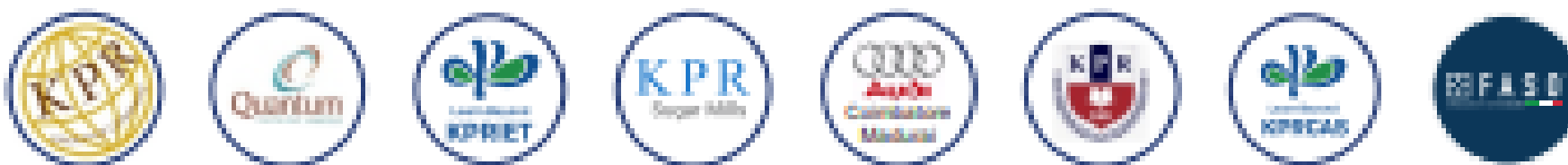


INDUSTRY INSTITUTE PARTNERSHIP CELL



THE KPR GROUP



Learn Beyond

**KPR Institute of
Engineering and
Technology**

(Autonomous, NAAC "A")

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KPR Institute of Engineering and Technology (KPRIET) is the flagship of the KPR Group which proliferate the Indian industrial arena in textile, sugar, power generation, automobiles and renewable energy with over 24,000 dedicated employees.

KPRIET approved by AICTE and affiliated to Anna University, Chennai conferred with Autonomous status and accredited with the highest grade of 'A' by NAAC, marched in tandem to embrace the crown of "the youngest institution to acquire the most eligible accreditation by NBA".

The campus has a cosmopolitan atmosphere with a distinctive collegiate structure. A high-profile faculty setup elucidates the global standard in the field of teaching and research. MoU with over 25 International Universities opens up joint research activities, an exchange of students and faculty knowledge sharing programmes.

KPRIET has carved a niche of 100+ published patents, 300+ Industrial links, 15 Centre of Excellence, 25 active professional bodies, 100 Industrial collaborations, 30+ academic clubs, etc.

DR. K.P. RAMASAMY , CHAIRMAN, KPR GROUP

Beyond being a very successful Entrepreneur, all through strenuous and enduring efforts, the brilliance of a man is in contributing to society from what he has earned. Understanding that the holistic approach to the wellbeing of the Employees is not restricted to physical wellness alone but also involves social wellbeing, he formulated an outstanding concept of empowering employees with higher education besides providing trendsetting facilities.



PROGRAMMES OFFERED

B.E. / B.Tech. Programmes

- Artificial Intelligence and Data Science
- Biomedical Engg.
- Chemical Engg.
- Civil Engg.
- Computer Science and Engg.
- Electronics and Communication Engg.
- Electrical and Electronics Engg.
- Mechanical Engg.

M.E. Programmes

- CAD/CAM
- VLSI Design
- Structural Engg.
- Computer Science and Engg.

Ph.D. Programmes

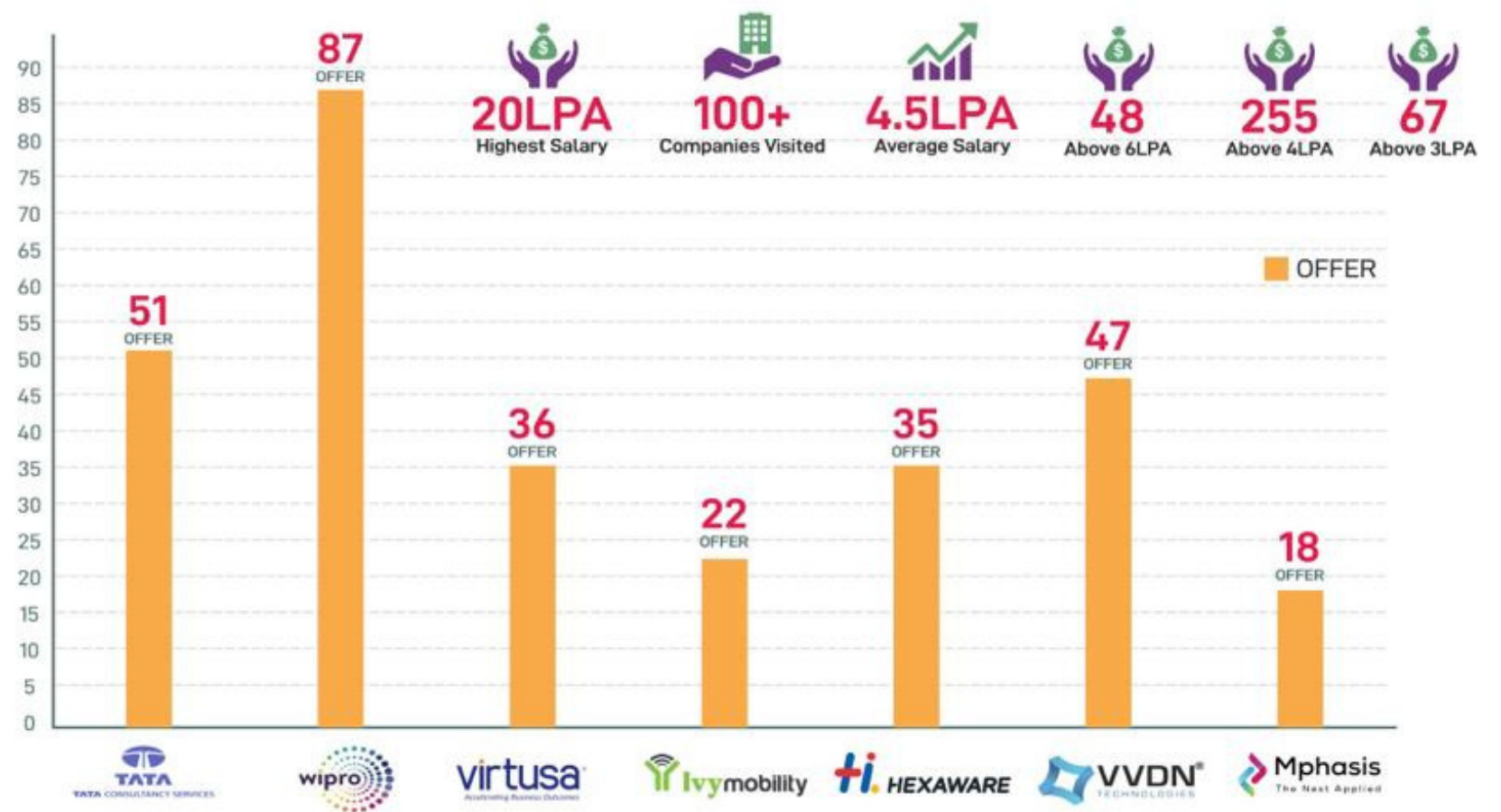
- Civil Engg.
- Computer Science and Engg.
- Electronics and Communication Engg.
- Mechanical Engg.
- Physics
- Chemistry



KPR Institute of Engineering and Technology
(Autonomous NAAC "A")

Placement Record 2022

550+ KPRIET'ians placed across the TOP MNC Giants..



and many more...
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CENTRE FOR RESEARCH AND DEVELOPMENT

Centre for Research and Development (CFRD) is committed to the pursuit of excellence in research and aiming to lead the national agenda across the spectrum of science and technology. We ensure all the core and inter disciplinary areas in research by approving the highest norms and standards.

- IPR service offered by the legal representative (Patent Agent)
- Crystalline property of materials
- Optical property of materials
- Electro chemical properties of a material
- Solar based agriculture and industrial application development
- IoT based industrial automation system development



COMPUTER SCIENCE AND ENGINEERING

The Department had a humble beginning with an intake of 60 students in Under Graduate programme in Computer Science and Engineering (B.E.) in the year 2010. Post Graduate programme in Computer Science and Engineering (M.E.) was introduced in the year 2014 with an intake of 18 students. Today the Department caters to the needs of 600 students.

The B.E programme is NBA accredited and the Department has been recognized as a Research Centre by Anna University, Chennai in the year 2017. The Department has signed MoUs with EMURGO, RedHat Academy, DJ Academy – MAAC, Exterro R&D Pvt Ltd, UCFER, AGENES infoOmics, bitsCrunch Technologies, GrowthOnDemandLLP, Zacco Cyber Security.

The department encourages the faculty members to undertake consultancy work in trust areas such as

Data Science Machine Learning Cloud computing, IoT AR & VR and Mobile Application Development Website Development and ERP Software Development. The Department of CSE executed many consultancy works and R&D activities based on industry needs.



ELECTRICAL AND ELECTRONICS ENGINEERING

The department of EEE has established in the year 2009 with well-equipped state of art laboratories. It has a team of faculty members committed to establish the industrial research activities which in turn to bag the best industry linkage award by AICTE CII in 2020. EKKI Pumps sponsored a Centre of Excellence in campus “EKKI – KPRIET International Water Technology Centre” to enhance the students hands on experience on par with industry standards. Students won many laurels in the state and national level events conducted by Gol Smart India Hackathon (SE), AICTE Viswakarma Award and leading industries like Mitsubishi Electric Cup and L&T TECHgium

- Power Quality, Energy Audit
- Drive Performance Monitoring and Assessment
- IoT/AI based Solutions for Automation
- Automation in Manufacturing Industry and Automation/Modernization of Farm Sector



MECHANICAL ENGINEERING

The Department of Mechanical Engineering was established in the year 2009. The department provides a B.E. Mechanical Engineering undergraduate degree and M.E.CAD/CAM postgraduate programme. The Department of Mechanical Engineering has signed Memorandums of Understanding (MOUs) with reputable industries in order to form a long term, mutually beneficial collaboration in engineering excellence.

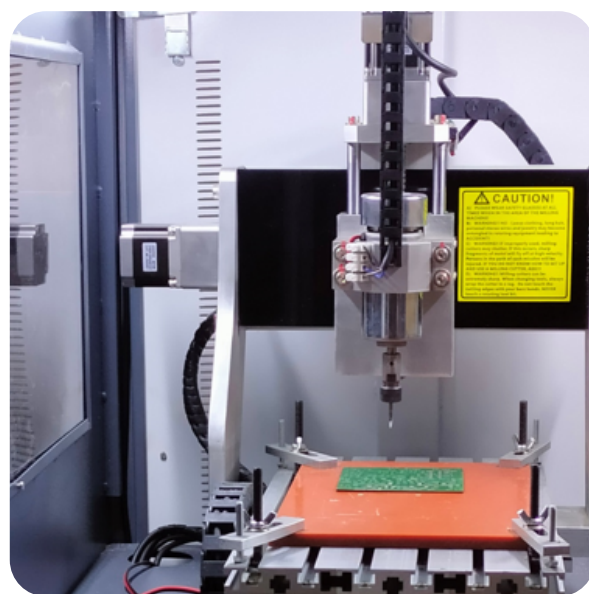
The department boasts a distinguished research faculty with expertise in fields such as Design, Manufacturing, and Thermal Science. A few faculties are also working on 5S implementation, battery operated vehicles, autonomous vehicles, drones, robots, and automation. The Machining and Materials Testing lab, as well as the 3D printing lab, are among the department's consulting, training, and testing resources.



CIVIL ENGINEERING

B.E-Civil Engineering established in the year 2009 and PG in Structural Engineering the year 2014 with Centre of Excellence for Building Information Modeling. The department has been recognized as a Research centre for pursuing Ph.D in Civil Engineering by Anna University. In addition to the curriculum, the department also offers its services in the form of consultancy and testing to various Department and private agencies. The quality of services provided by the department is well acknowledged in the professional field.

- Soil Testing
- Water testing
- Concrete testing and consultancy
- Aggregate testing
- Cement and Bitumen testing



ELECTRONICS AND COMMUNICATION ENGINEERING

Department of Electronics and Communication Engineering came into existence in the year 2009. It offers a UG program, B.E. in Electronics and Communication Engineering, and a PG program, M.E.VLSI Design. It has a team of committed faculty members who are well qualified and are backed by rich teaching/research/industry experience. The department addresses the growing needs and aspirations and provides additional opportunities to the younger generation to meet the industrial scenarios.

- Antenna Design and Fabrication
- PCB design and assembly
- IoT

BIOMEDICAL ENGINEERING

The department of biomedical engineering is an industry driven multidisciplinary course. The course subjects and laboratory sessions are clearly formulated as per the industry needs by the experts from industries and hospitals as well. The faculty members of the department are well qualified and experienced. The research in the department is highly interdisciplinary such as Medical instrumentation, Medical analytics, Biomechanics, Biomaterials, Signal processing, Image Processing, AI, etc. To cater the demands of industries, the department houses state of art laboratory facilities and latest equipment. The department provides consultancy and research support in the following areas;

- Biomaterials
- Bio-signal processing
- Medical Data analytics



Department of chemical engineering improvements and innovation in process industries, in the manufacture of chemicals, food, fuel and pharmaceuticals. The department prepares young engineers to apply scientific, engineering and business principles and solve variety of complex practical problems. The multidisciplinary aspects of chemical engineering involve the collaboration of the chemical engineering with other domains of the engineering. We have experienced and committed faculty members of chemical engineering from IITs, NITs and BITs with industrial experience. Our expert faculty team is associated with a number of Research and Training Centres that provide experimental facilities as well as training opportunities. We assist our students to secure internships and training in various chemical and process industries.

CHEMICAL ENGINEERING

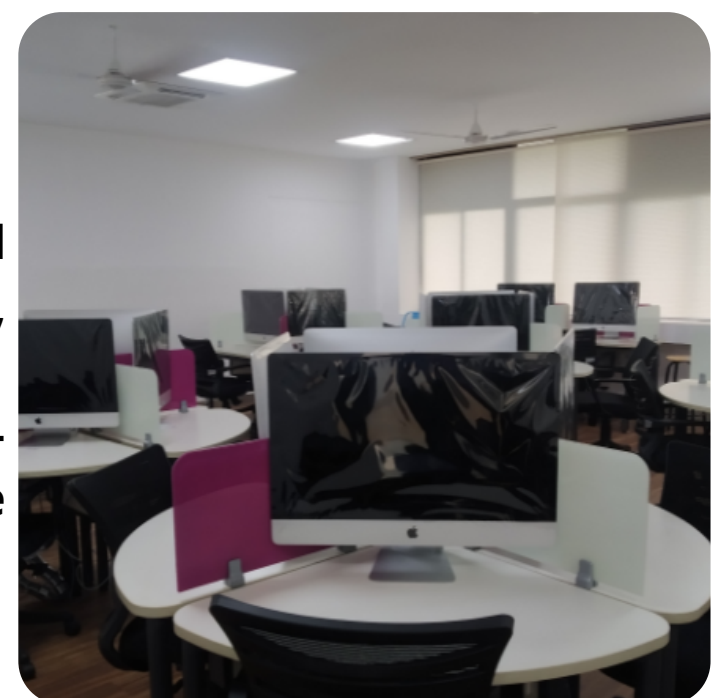


- Polymer, Fuel and Oil Testing
- Process Design and Simulation
- Biofertilizer and Smart-farming
- Water testing and Treatment

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Curriculum is designed to enable the students to build intelligent machines, softwares and applications. Department works with a cutting edge combination of machine learning, deep learning, data analytics and visualization technologies.

- Project based and application oriented learning through modernized Apple Laboratory
- AI - Centre of Excellence collaborated with Industry
- International Certifications and value additions



The Department of Science and Humanities, established in 2009, imparts basic concepts and applications of science in engineering with a team of adroit faculty members (31 Ph.Ds., out of 43) specialized in various disciplines. The Physics and Chemistry departments are recognized as Research Centres for Ph.D. programs by Anna University, Chennai. At present, there are five full time research scholars and few part- time scholars pursuing their Ph.D. The faculty members have served as resource persons in International Conferences, Workshops, Faculty Development Programs and are serving as reviewers for reputed journals.

- Automatic Sanitizer dispenser
- Synthesis
- Characterization of materials for gas sensors
- solar cells and biofertilizers
- English Language Correction

SCIENCE AND HUMANITIES

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