



# TIMES ENGINEERING INSTITUTE RANKING SURVEY 2022

The objective of this research is to arrive at a list of top engineering colleges offering full time courses - including four-year courses in Tamil Nadu

## TOP PRIVATE ENGINEERING INSTITUTES - TAMIL NADU

Name	Rank
SRM Institute of Science and Technology, Chennai	1
Sathyabama Institute of Science and Technology, Chennai	2
Hindustan Institute Of Technology & Science,(Deemed to be University), Chennai	3
Vels Institute Of Science ,Technology & Advanced Studies (VISTAS), Chennai	4
R.M.K. Engineering College (An Autonomous Institution), Chennai	5
Kongu Engineering College, Perundurai, Erode	6
Sona College Of Technology, Salem	7
Sri Krishna College of Engineering & Technology, Coimbatore	8
K.S Rangasamy College Of Technology, Trichengode	9
PSNA College Of Engineering And Technology , Dindigul	10
Ponnaiyah Ramajayam Institute of Science and Technology (PRIST), Thanjavur	11
Prathyusha Engineering College, Tiruvallur	12
KCG College Of Technology , Chennai	13
Saveetha Engineering College, Chennai	14
K.S.R College Of Engineering , Tiruchengode	15
R.M.K College of Engineering and Technology, Thiruvallur	16
K S R Institute For Engineering And Technology, Tiruchengode	17
Aarupadai Veedu Institute of Technology, Chennai	18
Aalim Muhammed Salegh College of Engineering, Chennai	19
Tagore Engineering College, Chennai	20

## EXCELLENCE IN DEPARTMENTS

<p><b>EXCELLENCE IN COMPUTER SCIENCE &amp; ENGG. (BIG DATA ANALYTICS, CLOUD COMPUTING, AI &amp; MACHINE LEARNING)</b></p> <p>SRM INSTITUTE OF SCIENCE &amp; TECHNOLOGY</p>	<p><b>EXCELLENCE IN AERONAUTICAL AND AEROSPACE ENGINEERING</b></p> <p>HINDUSTAN INSTITUTE OF TECHNOLOGY &amp; SCIENCE (DEEMED TO BE UNIVERSITY)</p>	<p><b>EXCELLENCE IN COMPUTER SCIENCE WITH SPECIALISATION IN ARTIFICIAL INTELLIGENCE</b></p> <p>SATHYABAMA INSTITUTE OF SCIENCE &amp; TECHNOLOGY</p>	<p><b>EXCELLENCE IN B.E IN BIO - MEDICAL ENGINEERING</b></p> <p>VELS INSTITUTE OF SCIENCE, TECHNOLOGY &amp; ADVANCED STUDIES</p>
<p><b>EXCELLENCE IN ELECTRONICS AND COMMUNICATIONS ENGINEERING</b></p> <p>PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE &amp; TECHNOLOGY (PRIST)</p>	<p><b>EXCELLENCE IN COMPUTER SCIENCE AND BUSINESS SYSTEMS</b></p> <p>R.M.K ENGINEERING COLLEGE</p>	<p><b>EXCELLENCE IN ELECTRICAL AND ELECTRONICS ENGINEERING</b></p> <p>PSNA COLLEGE OF ENGINEERING &amp; TECHNOLOGY</p>	<p><b>EXCELLENCE IN B. TECH INFORMATION TECHNOLOGY</b></p> <p>R.M.D ENGINEERING COLLEGE</p>
<p><b>EXCELLENCE IN MECHANICAL ENGINEERING</b></p> <p>RMK COLLEGE OF ENGINEERING &amp; TECHNOLOGY</p>	<p><b>EXCELLENCE IN FASHION TECHNOLOGY</b></p> <p>SONA COLLEGE OF TECHNOLOGY</p>	<p><b>EXCELLENCE IN COMPUTER SCIENCE AND ENGINEERING</b></p> <p>SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY</p>	<p><b>EXCELLENCE IN INFORMATION TECHNOLOGY ENGINEERING</b></p> <p>K S R COLLEGE OF ENGINEERING</p>
<p><b>EXCELLENCE IN BIOTECHNOLOGY</b></p> <p>K.S. RANGASAMY COLLEGE OF TECHNOLOGY</p>	<p><b>EXCELLENCE IN MECHATRONICS ENGINEERING</b></p> <p>PRATHYUSHA ENGINEERING COLLEGE</p>	<p><b>EXCELLENCE IN COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)</b></p> <p>K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY</p>	<p><b>EXCELLENCE IN CIVIL ENGINEERING</b></p> <p>AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING</p>

## RESEARCH METHODOLOGY

The objective of this research was to identify and rank Top Engineering Colleges in India. The survey had three major modules to arrive at the analysis and final ranking i.e. Desk Research, Perceptual and Factual survey (Participatory Survey).

Desk research- This module was a secondary research module. A comprehensive list of engineering colleges was generated with the help of the internet, magazines, and other publications. The various sources used for the generation of the engineering college list included:

- Infrastructure
- Faculty
- Intellectual capital
- Industry interface
- Placement
- Potential to network
- Exchange programs & Global exposure
- Research Orientation & focus
- Alumni chapter

### ANALYSIS: FINAL RANKING OF ENGINEERING COLLEGES

A robust approach was followed to arrive at the final rankings. The step by step process is given below:

#### Factual Score

- The information collected corresponded to similar parameters as in the perceptual survey
- A detailed scoring system was developed for each parameter
- The raw scores were weighted by their importance to arrive at weighted scores

#### Perceptual Score

- Ratings on various parameters
- Calculating the importance of various parameters to arrive at weights for each parameter - we used a regression model to arrive at the importance of various parameters
- Calculation of raw scores and weighted scores for each parameter
- Calculation of overall score for each college using importance weights.
- The final rank was calculated for all those Engineering colleges that had shared the factual data.
- Also, the list of top 30 colleges who scored high in Perceptual (but did not submit factually) were listed in alphabetical order.

#### Some caveats:

- Only those colleges who participated in the Factual Survey have been ranked in all modules.
  - If the GAP between institutes is found very low, both institutes are awarded the same rank in all modules.
  - Institutes government-funded/ getting grants are considered as Government Institute
  - Relatively newer colleges that have less than 5 batches graduated out of their colleges were included in Emerging Engineering College List.
- This survey is part of the national survey Times Engineering Institute Ranking Survey 2022 published on 14th June 2022. This is a subset of the ranking for Tamilnadu region.



### THE FOLLOWING KEY PARAMETERS WERE COVERED IN PERCEPTUAL RATING

- Infrastructure
- Faculty
- Course Curriculum
- Industry Interaction
- Pedagogy
- Research Orientations & focus
- Global Exposure
- Placement
- Overall Brand Value

Factual Survey- In this module, more than 1400 engineering colleges were sent the factual data questionnaire and then rigorously followed up through different modes such as telephone, email, and even face-to-face if required.

### The factual data sheet was focused on the following information areas:

- General information of the college: Establishment, College type, Affiliation, etc.
- Courses offered & number of seats

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## A LAUNCHPAD FOR ASPIRING ENGINEERS, TECHNOLOGISTS AND RESEARCHERS



Sathyabama Institute of Science and Technology has been a frontrunner in setting the benchmark for success. The institution established in 1987 by Founder Chancellor Hon. Col. Dr. Jeppiaar, takes pride in nurturing the hopes and aspirations of generation next with quality education. The institution recently celebrated 'Sathyabama Excellence Day 2022' presided by the current dynamic leadership Dr. Mariazeena Johnson- Chancellor; Dr. Marie Johnson- President and Vice Presidents J Arul Selvan & Maria Bernadette Tamilarasi, to honor and appreciate achievers with accolades. The occasion saw chief guest Ramesh Dhanakoti, Senior Vice President, Cognizant, deliver a special address. Sathyabama witnessed yet another successful Campus Recruitment season this year, despite the challenges of the pandemic. "Over 92.14% of final year students who opted for campus recruitment have been placed so far. Students have secured approximately 2004 job offers from 363 reputed companies across varied domains. The challenging environment on campus offered ample opportunities and pushed students to sharpen their skills, face numerous renowned corporates and secure placements of their choice," said Dr. Mariazeena Johnson. "The eminent recruiters included Cisco, Cognizant, Wipro, Capgemini, HCL, Oracle, Verizon, Bank of America, ICICI, IBM, Schneider Electric, Nokia, Hyundai, Renault Nissan, Lnt, Deloitte, Silicon Labs, EY, FIS Global and Zifo RnD and 84 prominent first-time recruiters like Sillcon Labs, OpenText, Mirketa and so on. This has ensured a wonderful platform for upcoming batches with the recruiters' base is growing year on year. This season, saw the highest CTC at 31 LPA, average CTC at 4.75 LPA and an overwhelming raise in Dream (284) and Super dream (117) offers," added Dr. Marie Johnson.



Dr. Mariazeena Johnson

Sathyabama's collaborative approach in Industry- Institute relations provided over 300 job offers through the Center of Excellence by HCL, Capgemini and so on. The Digital Nurture program by Cognizant is another great new initiative which helped a large number of students nurture their employability skills. The recruitments continue to happen fervently with many more companies lined up. The achievements of the present batch students created a big spark among their juniors and Sathyabama aims towards greater strides in the coming years not only in the Indian market but international too. For aspiring Engineers, Technologists and Researchers, Sathyabama offers interdisciplinary courses par excellence with innovative design and diverse experimental learning, paving the way for prospective careers in all fields of Engineering, Technology and Science.

Sathyabama's outstanding faculty, innovative pedagogical practices and state-of-the-art research facilities have ensured its position as a leading institution for higher education of international standards. The institution has made its mark and achieved milestones in terms of quality outcomes. The 46 Undergraduate Programmes, 20 Post graduation programmes, Research, Technology Incubation, Product innovation in Science and Technology attract students from different parts of the globe and fulfill their thirst for knowledge. Sathyabama has over 15000 publications out of which 10000 publications are indexed in Scopus database with a H Index of 71. The institution has filed for over 200 patents and 83 patents have been granted. 83 innovative products have been developed by students and faculty and some have moved to the commercialization phase in association with respective industries.

The dedicated technology incubation centre has mentored and incubated 18 start-ups in varied sectors. Sathyabama has been working on research projects worth over 100 crores sponsored by several ministries, government agencies, national and international research organizations. The Centre for Skill development had an eventful engagement in training numerous students and learners towards skill development and employability. The Jeppiaar IAS academy provides special training to civil services aspirants. The institution has signed over 200 MoUs for research collaborations, faculty and student exchange, and internship programs, with international universities and industries. Sathyabama embraces unique work culture and prioritises inclusivity in nurturing young minds for over three decades.

Above all, in addition to creating fertile minds for professional and personal success, Sathyabama has committed itself to create responsible citizens who are the epitome of highest ethics and social conduct.

