

# CSE NEWS letter

## Computer Science and Engineering



### CORE VALUES

FAITH IN GOD AND MAN  
LOVE OF FELLOW BEINGS  
BELIEF IN UNIVERSAL CITIZENSHIP  
MORAL INTEGRITY  
SOCIAL COMMITMENT

### VISION

CREATING EMINENT AND ETHICAL LEADERS  
THROUGH QUALITY  
PROFESSIONAL EDUCATION WITH EMPHASIS  
ON HOLISTIC EXCELLENCE.

### MISSION

TO EMERGE AS AN INSTITUTION PAR EXCELLENCE OF GLOBAL  
STANDARDS BY IMPARTING QUALITY ENGINEERING AND  
OTHER PROFESSIONAL PROGRAMMES WITH STATE-OF-  
THE-ART FACILITIES.

TO EQUIP THE STUDENTS WITH APPROPRIATE SKILLS FOR A  
MEANINGFUL CAREER IN THE GLOBAL SCENARIO.

TO INCULCATE ETHICAL VALUES AMONG STUDENTS AND  
IGNITE THEIR PASSION FOR HOLISTIC EXCELLENCE THROUGH  
SOCIAL INITIATIVES.

TO PARTICIPATE IN THE DEVELOPMENT OF SOCIETY  
THROUGH TECHNOLOGY INCUBATION, ENTREPRENEURSHIP  
AND INDUSTRY INTERACTION.



# Jyothi

## Engineering College

A CENTRE OF EXCELLENCE BY THE ARCHDIOCESE OF TRICHUR

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University  
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### DEPARTMENT VISION

CREATING ETHICAL LEADERS IN THE DOMAIN OF COMPUTATIONAL  
SCIENCES THROUGH QUALITY PROFESSIONAL EDUCATION WITH A  
FOCUS ON HOLISTIC LEARNING AND EXCELLENCE

### DEPARTMENT MISSION

TO CREATE TECHNICALLY COMPETENT AND ETHICALLY CONSCIOUS  
GRADUATES IN THE FIELD OF COMPUTER SCIENCE AND ENGINEERING BY  
ENCOURAGING HOLISTIC LEARNING AND EXCELLENCE.

TO PREPARE STUDENTS FOR CAREERS IN INDUSTRY, ACADEMIA AND THE  
GOVERNMENT.

TO INSTILL ENTREPRENEURIAL ORIENTATION AND RESEARCH MOTIVA-  
TION AMONG THE STUDENTS OF THE DEPARTMENT.

TO EMERGE AS A LEADER IN EDUCATION IN THE REGION BY ENCOURAGING  
TEACHING, LEARNING, INDUSTRY AND SOCIETAL CONNECT.

### PROGRAMME EDUCATIONAL OBJECTIVES

THE GRADUATES SHALL HAVE SOUND KNOWLEDGE OF MATHEMATICS,  
SCIENCE, ENGINEERING AND MANAGEMENT TO BE ABLE TO OFFER  
PRACTICAL SOFTWARE AND HARDWARE SOLUTIONS FOR THE PROBLEMS OF  
INDUSTRY AND SOCIETY AT LARGE.

THE GRADUATES SHALL BE ABLE TO ESTABLISH THEMSELVES AS PRACTIC-  
ING PROFESSIONALS, RESEARCHERS OR ENTREPRENEURS IN COMPUTER  
SCIENCE OR ALLIED AREAS AND SHALL ALSO BE ABLE TO PURSUE HIGHER  
EDUCATION IN REPUTED INSTITUTES.

THE GRADUATES SHALL BE ABLE TO COMMUNICATE EFFECTIVELY AND  
WORK IN MULTIDISCIPLINARY TEAMS WITH TEAM SPIRIT DEMONSTRATING  
VALUE DRIVEN AND ETHICAL LEADERSHIP.



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## Programme Outcomes

Students in the programme at the time of their graduation are expected to possess the following capabilities :

1. Ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Ability to Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Ability to design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Ability to use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Ability to create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. Ability to apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Ability to understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ability to apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Ability to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
10. Ability to communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Ability to demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Ability to recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## Department Major Activities

1. CSE and CE Department together organized 5 day FDP on "Innovative approach for effective implementation of student project and its documentation" from 17th to 21st Jan 2019.



2. Computer Engineer Students' Association (CESA) in association with IEDC conducted ONBOARD QUIZ for all students from 19/2/2019 to 22/02/2019 as a part of Tharang 2019.

3. Computer Engineer Students' Association (CESA) organized a workshop on Ethical Hacking from 28th - 29th March 2019.

4. Computer Engineer Students' Association (CESA) organized One Day Hands-on workshop on LaTeX 15th February 2019 for students of all department.



5. CSE Department organized 5 day KTU Sponsored FDP on "Theory and Practice of Data Science" from 24th - 28th June, 2019. Dr.Vinith R, Mr.Manu Madhavan and Mr. Unnikrishnan P were the resource persons.

## Faculty Achievements



1. Aswathy Wilson with the team Lyza won second prize in Chhathra Viswakarma Award held at AICTE , New Delhi.

2. Dr. Vinith R delivered a talk and hands on session on "Machine Learning" at TKM College Of Engineering on 8/1/2019.

3. Dr.Vinith R,Unnikrishnan P,Namitha T N ,Ninu Francis attended APJAKTU sponsored 5 day workshop on "Emerging trends in Big Data analytics and Hadoop" at Jawaharlal College of Engineering and technology from January 14-18th , 2019.

4. Mr. Unnikrishnan P delivered a talk and hands on session on "Machine Learning" at Christ Engineering college on 21/2/2019.

5. Aswathy Wilson with her team LYZA got second prize worth of 10K in Shark tank competition held at Rajagiri College.



6. Aswathy Wilson with her team LYZA got KANIKA Women's Forum Award on World Women's day.



7. Mr.Unnikrishnan P got his paper titled "Enhanced sparse Representation classifier for Text Classification" accepted in SCI indexed journal, Expert systems with applications

## Student achievements.



1, Catherine Anto , Bini Maria, Emmanuel Wilson, Ajaz F of S8 CSE under the guidance of Ms. Aswathy Wilson presented their project "Lyza for women" in Yuva master mind Grand finale held at Ernakulam.



2, Jisna Joby, Catherine Lenette, Agna E A, Divya shibhu under the guidance of Ms. Divya M Menon presented their project "Haptic Shoe for blind and elderly" in Yuva master mind Grand finale held at Ernakulam.



3, AmalPrem, Jain Johnson, Harikrishna , Delma Davis of S8 CS A with their project "IOT based speed limiter " under the guidance of Ms. Aswathy Wilson got fund of Rs.7000 from KSCTE.

4, Mohammed Ashiq Maqbool, Viju Valsan, Mohamed Saajid KM, Kokul Jose, Raveena P of S6 CSE B with their project "Currency Recognition Spectacles for Blinds" under the guidance of Mr. Fepslin Athish Mon S got fund of Rs.5000 from KSCTE



5, Vincy Anto (S4 CS B) and Shabana Asmi (S6 CS B) secured third prize in MITS-ES-IGELEC HACKATHON 2019 for "Head controlled Wheel Chair with Patient Monitoring System" held at Muthoot Institute Of Technology And Science, Ernakulam.

6, Archana Venugopal and Jeena Varghese secured third prize in the event V-Hack and Kokul Jose secured first prize in the event CODXin KTU tech fest 2019 held at GCT Thrissur on 15/02/2019 -17/02/2019.

7, Anand Murali, Akhil V, Arif got First prize in Electro Hackathon , and Arya P Menon, Anu C Jaison got First prize in Volt Hunter, in the tech fest held at Vidya

8, Joseph Joel, Nithin Peter, Rashi M, Karthik P C, Adithya Vijayan ,Sanjana, Shibana , Sangeetha C P, Sreehari , Sidharth U, Shinoz Mohammed , V J Vishnu, Joseph Joseph, Saurav Mundanatt, Naveen P R, Vincy Anto of S4 CS B has completed "Google Cloud Platform Fundamentals : Core Infrastructure" offered through Coursera.

9, Amal tom and Deepak K V of S4 CS A has completed "Google Cloud Platform Fundamentals : Core Infrastructure" offered through Coursera.



10, Ashique of S8 CS A qualified GATE 2019 with a score of 359.



11, Catherine Lenette of S6 CS A bagged the new face award for Keralaleeya Vanitholsavam 2019.



12, Maria of S6 CSE B won 4th position in the PRAYAANA Career Queen Summit 2019 held at KSUM Kalamassery on 8th March.



13, Anand Murali of S6 CS A won First prize in "Best Engineer "contest held at MBCET, Kuttikanam as part of "Swastika- annual Techfest".

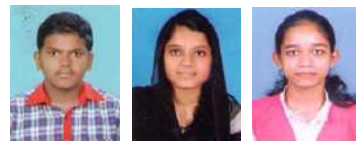


14, Catherine Anto, Delma Davis, Dileep(CSEA) & Megha, robin (S8 CS B) got placed in Infosys.

15, Abhishek Achuthankutty, Ajaz F, Anand A M, Anirudh Rajan of S8 CSE A & Tina Thomas, Vishnu K of S8 CSE B placed in Speridian Technologies. A M Abhishek of S8 CS A got placed in Sutherland Global services. Harikrishnan and Ashique (S8 CS A) got placed in UST Global.

16, Nicy Joseph K S8 CSE got placed in HCL Technologies and Abin Mathew Wilson S8 CSE got placed in SHRIRAM

## University Toppers



1, In KTU seventh semester university results, from S7 CSE A , AMAL PREM K.P secured first with SGPA 8.77, ASNA NESRY second with SGPA 8.77 and DELMA DAVIS third with SGPA 8.64





2, In KTU seventh semester university results, from S7 CSE B , NICY JOSEPH K secured first with SGPA 9.48, RESHMA T P second with SGPA 9.45 and MEGHA K J third with SGPA 9.14.



3, In KTU fifth semester university results, from S5 CSE A , ARYA P MENON secured first with SGPA 9.8, ARCHANA VENUGOPAL second with SGPA 9.48 and JERIN REJI third with SGPA 9.41.



4, In KTU fifth semester university results, from S5 CSE B , MARIA ANN TOMS secured first with SGPA 9.07, RINSY R, ROHINI K.R second with SGPA 8.52 and VARSHA BABU third with SGPA 8.43.



5, In KTU third semester university results, from S3 CSE A , DIVYA PETER secured first with SGPA 9.35, AMALA K S second with SGPA 9.31 and ARNOLD ,DHANYA R third with SGPA 9.08



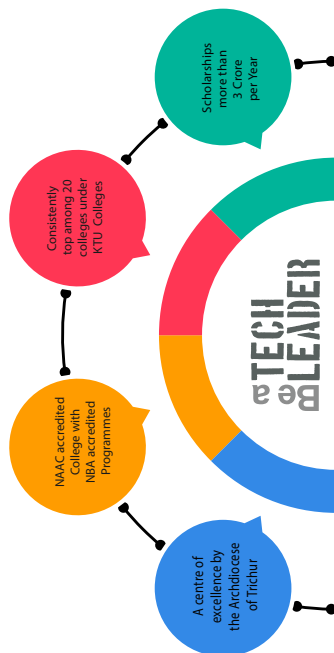
6, In KTU third semester university results, from S3 CSE B , Niva Dileep secured first with SGPA 9.67, Shilpa Sivas second with SGPA 9.23 and Maneesh Manoj third with SGPA 9.02



7, In KTU first semester university results, from S3 CSE A , G RAMGOPAL secured first with SGPA 9.89, AMAL SEBASTIAN second with SGPA 9.61 and ANIT MARY THOMAS third with SGPA 9.13



8, In KTU first semester university results, from S3 CSE B , JISSY JOY secured first with SGPA 9.74, SHAFNA second with SGPA 9.63 and VANI PRAKASHAN CHOYYAN third with SGPA 8.91



# Jyothi Engineering College



CREATING TECHNOLOGY  
LEADERS OF TOMORROW  
ESTD 2002

**NAAC** Accredited College with **NBA** Accredited Programmes\*

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NBA accredited B.Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for the academic years 2016-2022. NBA accredited B.Tech Programme in Civil Engineering valid for the academic years 2019-2022.