

## **INDEX**

1. Chairman's Message.....	1
2. Principal's Message.....	2
3. The College, Vision & Mission.....	3
4. Departments, Vision & Mission.....	4
5. Facilities.....	7
6. Various Scholarships/Educational Concessions Available.....	9
7. Co-Curricular Activities.....	9
8. Extra- Curricular Activities.....	13
9. College Rules & Regulations.....	15
10. Library Rules & Regulations.....	17
11. Important Contact numbers.....	19
12. B.Tech Curriculum.....	20
13. Linways AMS user manual.....	



# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **Chairman's Message**

*St. Thomas College of Engineering and Technology (STM) was established in the year 2014 with the aim to impart quality education to the young minds. Technological progress in the last few decades has helped to purge national barriers and create a global marketplace. Our objective is to develop confidence, self-motivation, research and problem solving skill sets and imbibe value education among our students. We give top priority to discipline and knowledge and the application of the same for societal progress and upliftment.*

*Our College aims at becoming a front runner in developing the next generation teaching and learning methods and to foster individual excellence and participation of our students in the full range of academic, spiritual, cultural, social and physical activities, and make them socially sensible all rounders.*

***"We cannot always build the future for our youth, but we can build our youth for the future."***

***Franklin D. Roosevelt***

*These above words by Franklin D Roosevelt is what we strive for every single day at STM and we welcome you to be a part of this journey.*

**Mr. Jose Thomas**

Chairman

St. Thomas College of Engineering & Technology



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **Principal's Message**

*It is my pleasure to welcome you to St. Thomas College of Engineering and Technology.*

*Owing to rapid social and technological changes taking place around us, there is an increasing need for quality engineers who can think creatively, apply their intelligence to solve problems and to create new designs and products for the ever changing world. Our mission is to mould highly competent technical professionals with a wide range of analytic, strategic and leadership skills capable of facing the challenges of the technical world.*

*With the above objective in mind, we have been taking meaningful steps in the last 6 years as a growing institution. The institute has grown over the years in pursuit of this vision and crossed several milestones of excellence. This has become possible only due to continued patronage of the magnanimous management, tireless efforts of its experienced, qualified faculty and staff members and worthy contributions of its dedicated students and alumni.*

*We have arranged all sorts of online facilities to ensure a quality teaching learning process uninterruptedly amidst the pandemic Covid 19. The parents can evaluate the progress of their ward online using well established campus management software, Linways. Apart from the regular academic activities a range of co and extracurricular activities are available for the overall development of a student that includes Placement Training, NPTEL, Spoken Tutorial classes, Virtual Labs, MOODLE, Research Guidance, IEDC, NSS, Sports & Games, Music Club, Dance Club, Cultural activities etc*

*Engineering education in this institution is not just a process of giving knowledge for a future job, but a process which creates a clear understanding of each subjects with the help of well-established laboratory facilities under the guidance of a group of dedicated faculty members preserving all moral and ethical values to guide one's life in a right path. Students, Parents and Staff members are a team and we have to complement each other's efforts to bring the best out of them.*

*It is time for you as a student to play your part in this ever growing institution's history through your excellence and dedication.*

**Dr. Shinu Mathew John**

Principal

St. Thomas College of Engineering & Technology



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **3.0 THE COLLEGE**

St Thomas Engineering College, Sivapuram, Mattannur was established by St Thomas Educational Society, Adoor with a view to impart high quality engineering education through systematic studies and efficient training. The college has a team of eminent faculty members and a disciplined atmosphere which help to promote a holistic approach to learning. There is a right balance of cognitive, conceptual, ethical, humane and spiritual growth as a whole.

The institution within its short span of existence plans to be a centre of excellence in engineering education, by bringing out the young engineers devoted and socially committed. The college is approved by the All India council for Technical Education and affiliated to A P J Abdul Kalam Technological University, Thiruvananthapuram.

The college has been established in the interior area of Malabar with a view to cater the needs of engineering education in the north-eastern of the Malabar area, especially to people who belong to the backward communities, tribal communities and immigrant communities, who are otherwise deprived of qualitative higher education in their area. Nevertheless the college is open to all meritorious students from all over Kerala to benefit the best and disciplined Engineering education it imparts.

## **VISION OF THE INSTITUTION**

To be an Institute of repute recognized for excellence in education, innovation and social contribution.

## **MISSION OF THE INSTITUTION**

- **M1: Infrastructural Relevance**

Develop, maintain and manage our campus for our stakeholders.

- **M2: Life-Long Learning**

Encourage our stakeholders to participate in lifelong learning through industry and academic interactions.

- **M3: Social Connect**

Organize socially relevant outreach programs for the benefit of humanity.



# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **4.0 DEPARTMENT**

The college comprises five departments: Civil Engineering, Electronics and Communication Engineering, Mechanical Engineering, Computer Science and Engineering, and Computer Science and Engineering (Data Science), each with the following intake:

Civil Engineering - 30

Electronics and Communication Engineering - 30

Computer Science and Engineering – 60

Mechanical Engineering - 30

Computer Science and Engineering (Data Science) – 60

## **DEPARTMENT OF CIVIL ENGINEERING**

The demand for trained professionals in Civil Engineering is obvious, omnipresent and ever increasing. Practical knowledge is the ultimate aim & aspiration of the Civil Engineering Department. The Civil Engineering department is furnished with an excellent infrastructure to enrich the students in various fields of Civil Engineering like building, construction, strength of materials etc. Today is an era "interdisciplinary approach" and everybody must have a minimum basic knowledge of all the branches and discipline. The department is taking more focused and multidimensional efforts to make the "foundation of the students" as strong and safe as possible.

## **VISION OF THE DEPARTMENT**

To grow as a globally recognized centre in Civil Engineering with a focus on innovation and research by combining technical and ethical qualities.

## **MISSION OF THE DEPARTMENT**

M1: Professional Skills

To provide a better environment to encourage innovative and research thinking among students.

M2: Life-Long Learning

Instill in students contemporary knowledge in order to achieve academic and professional excellence with global perspective through experience of lifelong learning.

M3: Engage with Society

Impart a sense of community responsibility and leadership qualities to better meet the challenges of sustainable growth.



# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

The field of electronics and communication engineering (ECE) involves developing and testing electronic circuits and communication devices such as transmitters, receivers, and integrated circuits. In this domain, engineers often need to use the principles of digital and analogue transmission. As part of this field of engineering, engineers also work with microprocessors, solid-state devices, satellite communication tools, circuits, and electronic devices.

### **VISION OF THE DEPARTMENT**

To produce professionally competent, ethically sound and socially responsible Electronics and Communication Engineers.

### **MISSION OF THE DEPARTMENT**

M1: Provide excellent infrastructure and lab facilities for quality education.

M2: Promote industry-academic interactions to keep up with technological advancements.

M3: Develop interpersonal skills and social responsibility among students through project- based and team-based learning.

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

The program in the field of Computer Science is a never ending process. The Computer Science Department is designed to keep up to this pace. Realizing the importance of rapid advancement in the information technology sector, all the labs are equipped with the network structure and are updated and upgraded as per the requirement and demand of industries.

### **VISION OF THE DEPARTMENT**

To produce globally competent and socially responsible Computer Science Engineers.

### **MISSION OF THE DEPARTMENT**

M1: Professional Skills

Provide students with opportunities to become industry- ready professionals and entrepreneurs through analytical learning.

M2: Lifelong Learning

Maintain a lifelong learning attitude and stay current in their profession to foster personal and organizational development.

M3: Engage with Society

Encourage students to focus on sustainable solutions, to improve quality of life and social welfare.



# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **DEPARTMENT OF MECHANICAL ENGINEERING**

The pioneer and most popular branch of engineering. The courses have been designed in such a way that students get necessary depth in the chosen area of specialization while absorbing the necessary back up knowledge so as to maintain the required breadth in the general technological scenario. Special efforts have been made to enable the students to translate the theoretical knowledge with laboratory and field level experience. Modern and well equipped mechanical lab is available with sufficient machines and equipments

### **VISION OF THE DEPARTMENT**

To create competent and ethically strong Mechanical Engineers by imparting value based technological education.

### **MISSION OF THE DEPARTMENT**

M1: Develop creativity, knowledge and analytical tools to help complete the difficult task of shaping an idea into reality.

M2: Instill lifelong professional skills through contact between academics and business people.

M3: Participate in social programmes on and off campus to connect with society.

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)**

The program in the field of Computer Science is a never ending process. The Computer Science Department is designed to keep up to this pace. Realizing the importance of rapid advancement in the information technology sector, all the labs are equipped with the network structure and are updated and upgraded as per the requirement and demand of industries.

### **VISION OF THE DEPARTMENT**

To mold students into globally competent data science graduates and give environmental capacity to contribute in the field of computer science by providing solutions in societal aspects.

### **MISSION OF THE DEPARTMENT**

M1: To develop professionals proficient in the area of Data Science.

M2: To apply the knowledge of data science in different fields, professions, and sectors.

M3: To furnish professionals with high ethical values and ability to solve real-life problems.



# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **5.0 FACILITIES**

### **5.1 CENTRAL LIBRARY**

The Library and Information centre of STM is one of the best engineering college libraries in Malabar. It started its function with a vision to serve the information needs of its users and it mainly holds books related to engineering and allied subjects. The library collection is about 13259 Volumes of books and 4764 titles. It offers a fully integrated and dynamic environment for conducting academic study. Multiple copies ensure that resources are easily available in the Reference Section and Stock Section as well. The library has been fully automated, digitized and Open Access System is followed and Online Public Access Catalogue service is made available to all staff and students. The college has an institutional membership with DELNET New Delhi. Through DELNET, staff and students can access more than 1151 e-journals and 2000 e-books related to engineering and technology. Through KNIMBUS Platform staff and students can access more than 1191 e-journals and 31 printed journals through I Manager publications. DDC Classification Scheme is used to organize subjects. Anglo-American Cataloguing Rules are used for creating book databases in KOHA Software. The college also has subscription to various Engineering journals including IEEE journals which can help the student in expanding their education horizon beyond what is taught in the classrooms. College library is a member of National Digital Library of India (NDLI).

### **5.2 COMPUTER CENTRE**

The College has a well-established computer centre with latest computer hardware, software, servers and state of the art networking. It provides access to all staffs and students. The total no. of workstations and servers are more than 250 with high speed Internet facility. The college systems are equipped with three connections of 40mbps, 40mbps and 80 mbps speed internet.

### **5.3 LANGUAGE LAB**

English Language is considered as the window to the modern world. A language lab has been set up to improve the communication skills of the students. Students acquire proficiency in English by going through the self-learning software modules. Students can develop their written and oral communication skills and take up the competitive examination with confident. Our college has a well-equipped language lab with more than 20 systems, internet connectivity and Learnsoft software to train the students.

### **5.4 CAFETERIA**

College has a spacious canteen facility in the college premises and is run by college management. A variety of south Indian food and snack items are provided to the students and staff of the college at highly subsidized rates with highest quality. Our college canteen is blessed with a family atmosphere, with a variety of delicacies, touched by a homemade flavour, cooked to perfection and served with great courtesy. Water purifiers and coolers are available at every floor. Refreshments are available at the college canteen at affordable rates. The main canteen has more than 400 seating capacity. The lunch room in the college building has over 150 seating capacity. adequate seating facilities are provided to accommodate students and staff even during peak time.





# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

## **5.5 TRANSPORTATION**

To ensure hassle free transportation to staffs and students, the college buses are plying in and around Kannur district covering important areas such as Kannur Town, Thazhe Chovva, Thalassery, Iritty, Kuthuparamba, Panoor, Chalode, Peravor, Thottada, Eachur, Koodali, Mattanur, Uruvachal, Kadirur, Kakkayangad, Anjarakandy, Chakkarakkal and Chokli. Additional feasible routes will be added as per the requirements of students and parents.

## **5.6 HOSTEL**

College hostel resembles a home away from home atmosphere. The college provide excellent, well-furnished and comfortable hostel accommodation separately for outstation boys and girls with strict overall supervision of the Warden and Teaching staff. Resident Tutors and Wardens of each hostel take care of adherence to discipline in the hostels. Current Hostel fee is - Rs. 1100/- per month (Room rent). The hostel fee regulates from time to time.

## **5.7 CAMPUS MANAGEMENT SYSTEM**

Our college uses 'Campus Management System - Linways' software to monitor all academic activities. The features of CMS software includes,

- Students / Parents can view attendance, Internal Marks, University Marks, Study Materials
- SMS to parents and students. (STMKNR, STMEXM)
- SMS related to general college affairs will come from STMKNR
- SMS related to exam affairs will come from STMEXM

## **5.8 TRAINING AND PLACEMENT**

Moulding Engineers is not the sole responsibility of St. Thomas College of Engineering & Technology. It is an important aspect of the educational philosophy of our institution to supplement its students with exposure to soft skills and research. An effective way for achieving these objectives is to let our students meet, listen and interact with eminent personalities who constitute an inspiring role model in society, whose words can extend a student's intellectual horizon, whose life embodies them a vision of moral excellence, and edifying messages. Such an interaction shall help in maturing the overall personality and professional capabilities of the students. Motivated by these thoughts, two separate programs, namely, personality Development workshop and Professional Development workshops have been initiated. The college has a Placement & Training Department to manage all placement and training related activities.

More than 80+ job offers have already been achieved by our passed out batch students with many more placement activities planned to enable each and every student who are eligible, an opportunity to leave the college with a campus placement

## **5.9 ADMINISTRATIVE STRUCTURE**





# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **6.0 VARIOUS SCHOLARSHIPS/EDUCATIONAL CONCESSIONS AVAILABLE.**

### **6.1 CENTRAL/AICTE SCHEMES**

- Pragati Scholarship Scheme For Girl Students (Technical Degree)
- Saksham Scholarship Scheme For Specially Abled Student ( Technical Degree)
- Post Matric Scholarships Scheme For Minorities
- Merit Cum Means Scholarship For Professional And Technical Courses CS

### **6.2 STATE SCHEME**

- E-Grantz for SC/ST/OEC Students. (For Merit Seat Students) Subject To Income Limits.

*More general scholarships are available as per the government offers. Office will facilitate the students applying for such cases.*

## **7.0 CO-CURRICULAR ACTIVITIES**

### **7.1 INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)**

The Innovation and Entrepreneurship Development Centre (IEDC) is an initiative of Kerala Start-up Mission under Start-up Boot camp Scheme of Government of Kerala. Under this scheme financial assistance is given to selected colleges for supporting innovative products and thereby builds an entrepreneurial ecosystem inside the campus.

STM IEDC has established a well-equipped IoT lab. STM IEDC Chapter has won several achievements including, 1st Prize in StartUp i3 (2 times), Shortlisted for Project Presentation at Kerala's Biggest Start-Up SME Conclave (Green Room), shortlisted for the final stage of Project Competition conducted by KTU etc. Also STM IEDC chapter has conducted several activities including 'Out of Syllabus – An experience sharing session', Hands-on Workshop on Website Development, IoT Workshop, Logo Design Competition etc.

### **7.2 NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING (NPTEL)**

NPTEL (National Programme on Technology Enhanced Learning), a project funded by the Ministry of Human Resource Development is a joint initiative of the IITs and IISc. NPTEL has been offering self-



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

study courses across engineering, humanities and science streams for more than a decade. Our institution has established a dedicated NPTEL local chapter which enables us to establish a fruitful relationship with the NPTEL nodal office and other participating colleges. NPTEL tutorials are made available in college intranet. A student who qualifies the NPTEL Exam will get certificates from IITs. Few students received 'Elite' category certificates for their good performance.

## **7.3 IEEE STUDENT BRANCH**

An IEEE Student Branch gives students a community of peers, and a connection to faculty and industry professionals who drive innovation in countless technical fields. Student involvement in Branch activities, whether special projects, social and technical meetings, outreach programs, conferences, local Section or Regional opportunities, etc. can help develop a record of accomplishment and capabilities beyond the norm.

Benefits of Forming an IEEE Student Branch

- Opportunities to network on a local level
- Free website hosting
- Obtain funding for events, projects, and activities
- Develop projects and obtain sponsorship based on your IEEE affiliation
- Receive support for hosting professional awareness programs
- Connect with other like minded student groups to advance the IEEE mission.

## **7.4 ISTE**

Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for Technical Education in the field of engineering and technology registered under the Societies Registration Act of 1860. The organization was established in 1941 with the motto of Career Development of Engineering Teachers and Personality Development of Students and overall development of our Technical Education System.

At present, ISTE has a very large and an effective membership base consisting of 1,35,525 technical teachers as Life Members, 5 lakh Student members, 3052 Institutional Members (including IITs, IISc., NITs and other leading technical institutions), 1453 faculty chapters and 1649 students' chapters and 19 Sections at State level throughout the country.

The major objective of the ISTE is to provide quality training programmes to the teachers and the administrators of technical institutions. This is enabling them to update their knowledge and skills in their fields and lead to the production and development of top-quality professional engineers and technicians needed by the industry and other organisations.

## **7.5 COMPUTER SOCIETY INDIA (CSI)**

Computer Society of India (CSI) is the first and largest body of computer professionals in India. It was started on 6 March 1965 by a few computer professionals and has now grown to be the national body



# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

representing computer professionals. Through the initiatives of Professor Rangaswamy Narasimhan, the first President, CSI has been in close liaison with International Federation for Information Processing (IFIP) its inception in 1965, when observers from India attended the IFIP Council meeting.

The inaugural ceremony of “STM CSI Student Branch Chapter” commenced with the lighting of lamps on 26th October 2017. Various activities conducted under CSI include, A talk on “FOSS in higher education”, 4 day workshop on “Web development”, A talk on “Crypto currency”, A talk on “Knowing the industry, being the Entrepreneur”, 4 day workshop on “Android App development”, Tech quiz on “Technobuzz” and 4 days workshop on “Machine learning” etc.

## **7.6 SPOKEN TUTORIAL**

The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, LibreOffice etc. via an easy Video tool - Spoken Tutorials.

The Spoken Tutorial project is the initiative of the ‘Talk to a Teacher’ activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India and conducted by IIT Mumbai. The use of spoken tutorials to popularize software development and its use will be coordinated through their website.

## **7.7 ICT**

ICT Academy is an initiative of the Government of India in collaboration with the state Governments and Industries. ICT Academy is a not-for-profit society, the first of its kind pioneer venture under the Public-Private-Partnership (PPP) model that endeavours to train the higher education teachers and students thereby exercises on developing the next generation teachers and industry ready students.

## **7.8 ICFOSS**

ICFOSS is the outcome of a decade of work by Free Software enthusiasts, advocates, developers and supporters in the state of Kerala and outside. Recognizing the strides made by the FOSS community in Kerala, and sensing a need to do more, the Government of Kerala, in 2008, had set up a Committee headed by Prof Rahul De of IIM Bangalore to recommend what further could be done to support the cause of FOSS. Prof De's Committee, after consulting the FOSS Community and its leaders, made several recommendations to the Government of Kerala, of which setting up of a nodal organization for supporting and extending Free Software activities in the state, at the same time linking with communities, developers, groups and institutions abroad. Given the fact software is globalized, it was suggested by the FOSS community that this organization is international in character in order to enable ease of working with FOSS communities that span continents.



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: www.stthomaskannur.ac.in Email:stthomaskannur@gmail.com

---

## **7.9 VIRTUAL LAB**

Virtual Labs project is an initiative of Ministry of Human Resource Development (MHRD), Government of India under the aegis of National Mission on Education through Information and Communication Technology (NMEICT). This project is a consortium activity of twelve participating institutes and IIT Delhi is a coordinating institute. It is a paradigm shift in ICT-based education. For the first time, such an initiative has been taken-up in remote-experimentation. Under the Virtual Labs project, over 100 Virtual Labs consisting of approximately 700+ web-enabled experiments were designed for remote-operation and viewing. The intended beneficiaries of the projects are:

- All students and Faculty Members of Science and Engineering Colleges who do not have access to **good lab-facilities and/or instruments.**
- High-school students, whose inquisitiveness will be triggered, possibly motivating them to take up higher-studies. Researchers in different institutes who can collaborate and share resources.
- Different engineering colleges who can benefit from the content and related teaching resources.

Virtual Labs do not require any additional infrastructural setup for conducting experiments at user premises. The simulations-based experiments can be accessed remotely via internet.

## **7.10 SPECIAL INTEREST GROUPS (SIG)**

A special interest group (SIG) is a group of students within the college with a shared interest in advancing a specific area of knowledge, learning or technology where members and faculties join hands together to produce and develop solutions within their particular field, and may communicate, meet, and organize conferences. Each department has their own SIG.

Computer Science and Engineering department- Python for Computer Science Engineers

Mechanical Engineering-Robotics

Electronics & Communication engineering-Internet of Things

Civil Engineering-Geographic Information system, Green Building

## **7.11 INDIAN GEOTECHNICAL SOCIETY (IGS)**

The society was founded as the “Indian National Society of Soil Mechanics and Foundation Engineering” in 1948 by a group of engineers and scientists who identified the need for a platform to address the various challenges and advancements in the field of Geotechnical Engineering. Over the years, the IGS has expanded its influence to become one of the most renowned and respected organizations in the field of Geotechnical Engineering in India. The IGS has a vast network of Local Chapters and Student Chapters across the country. IGS collaborates with numerous national and international organizations and institutions to foster knowledge and exchange ideas in Geotechnical Engineering.



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: www.stthomaskannur.ac.in Email:stthomaskannur@gmail.com

## **8.0 EXTRA CURRICULAR ACTIVITIES**

### **8.1 NATIONAL SERVICE SCHEME (NSS)**

The Goal of the National Service Scheme or N.S.S. as it is popularly known may be listed as follows

- Service for the nation and humanity
- Personality development through social service.
- To develop the personality of its volunteer's and imbibe in the leadership qualities.

The N.S.S. unit of St. Thomas College of Engineering & Technology has put in a lot of effort all these years to meet these goals and has been successful to a great extent in doing the same. The N.S.S. unit of our college has the vision to work forward with the mission of forgetting and surrendering one's self and rendering selfless service to others. The enrolment in this unit is open to all the students of the degree college irrespective of their caste, creed and religion.

#### **Activities**

- Formed an anti-liquor and anti-drug students club in association with excise division, Mattanur.
- Yoga day celebration
- Collected an amount of 25000 for a kidney failure patient and handed over the amount to Kairali charitable trust.
- As a part of Swachh Bharat Pakhwada NSS volunteers visited Sivapuram LP School and cleaned school premises.
- NSS seven day special camp was conducted between 27th December 2016 and 2nd January 2017.
- Conducted blood donation camp, as the part of national blood donation day (October 1) and "Manaviyam-16"
- As a part of Punarjani project NSS volunteers have visited Peravoor Taluk Hospital and they did many maintenance works in hospital such as repairing of hospital equipment, plumbing, wiring and revamping of coats and wheel chair.
- International women's day celebration.
- Recreated an asset of worth Rs 5950200 at Kuthuparamba Taluk Hospital as part of Punarjani 2017
- As part of Sansad Adarsh Gram Yojana (SAGY), a village development project launched by Government of India in October 2014, our institute is attached to Kolayad Panchayat and received appreciation from AICTE and government of kerala.
- Lots of activities/ Sessions/ Campaigns were conducted in the online and offline modes.

### **8.2 SPORTS and GAMES**

Physical Education has the opportunity to inculcate ethical values and influence moral behaviour of students through Sports and Games. The college provides excellent facilities for sports and games. A wide range of opportunities for outdoor games and indoor games are available in the campus. The college has a well-spaced play ground in the back side, near to the main Cafeteria. Indoor games include table tennis, caroms, chess etc. To keep the students fit and strong, a health club is also set up.



# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

An Annual Sports Meet “IGNITE” is conducted in college comprising major Track and Field Events as well as team sports.

## **8.3 CULTURAL and ARTS**

Cultural and Arts day competitions include literary arts: fiction, creative nonfiction, essays and poetry; the performing arts, such as dance and drama; and the visual arts, which include various categories of painting. The arts encompass a broader spectrum of our lives. We challenge our students to develop life-long skills such as analytical thinking, clarity in written and spoken expression, collaboration, and creativity. These skills can all be developed through the arts and are valuable in any career.

An annual technocultural fest ‘XTASY’ is conducted every academic year to foster and encourage the extracurricular talents of our students. College has its own music band “Saptha” and dance club “Lasya”. In addition to this college celebrates festivals like Onam, Christmas and other functions every year





# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **9.0 COLLEGE RULES AND REGULATIONS**

1. Official working hours of the college will be between 8.30 AM to 4.45 PM on all days from Monday to Friday, except Govt. notified public holidays.
2. Classes will commence at 8.50AM and end at 4.40 PM. Classes will be conducted as per the Academic schedule published from time to time.
3. All students are expected to be in the respective classrooms by 8.45 AM.
4. Students shall be present in their classrooms before the commencement of each period and shall not be permitted to leave the class during the class hours. However, on specific request from the Principal/Competent authorities, teachers may permit a student or students to leave the class as requested.
5. Students are not permitted to leave the campus between 8.45 AM and 4.40 PM without prior permission from the Principal/HOD.
6. Students are required to be regular in attending classes and doing the work assigned to them by the faculty.
7. Previous sanction from the HOD, through a proper leave letter, should be obtained for all absence from the class. For absence of more than two days, the leave letter must be endorsed by the Parent/Guardian. Leave on medical grounds should be supported by proper medical certificates. Unauthorized absence will be viewed seriously and are liable for disciplinary actions.
8. Abstaining from classes en-mass will be considered as a serious offence and will invite suitable actions.
9. Students who happen to have free hours shall not loiter in the verandas during class hours or disturb other classes.
10. Students are expected to adhere to the dress code prescribed by the institution (details will be provided during the commencement of classes). The ID card should be displayed whenever they are inside the college campus.
11. Every student shall bring his/her own textbooks, notebook, drawing instruments and such other accessories and articles required for regular classroom/laboratory work.
12. College properties should be handled with maximum care and everything possible should be done to preserve the building, furniture and premises neat, tidy and fit. College will be forced to impose a fine on wilful damages to the buildings, fittings, furniture or equipment.
13. Students are not allowed to bring mobile phones to the campus. If students are found to be in possession of a mobile phone while inside the campus, the same will be confiscated and will be returned only after paying a fine of Rs 2000/- to college office, with the presence of the parents.
14. However for urgent communication with parents/ Guardian land phone facilities available in the college campus and hostels may be used.
15. Students are not generally permitted to bring private vehicles, owned or hired, inside the campus. However, day scholars desirous of commuting to and fro for attending the college can do so by making a request to the Principal in writing, authorized by their parents and submit copies of the registration documents of the vehicle and valid driving license. Such vehicles should be parked at the space allowed near the entrance of the campus.
16. Students are directed to go through the law related to prevention of Ragging in the educational institution. Ragging in any form and in any place is totally prohibited. Not only those who are





# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

engaged in the actual act of ragging but also those who are found to be assisting or supporting shall be considered to be associated with ragging and are liable to be punishable as per law.

17. Any incident of ragging should be reported to the Principal/ Director for subsequent report to the police.
18. Organizing meetings or assembling students within the campus for purposes other than academics, is strictly prohibited. Prior permission of the Principal shall be obtained for such gatherings. All political activities are prohibited inside the college campus.
19. Possession and consumption of alcoholic beverages, tobacco products, toxic matter (Pan masala etc.) are strictly prohibited in the college and hostel campus.
20. Cordial relationship shall be maintained with members of the staff working in the college and cooperation extended to them in serving you better. Students shall not enter into any kind of arguments or disputes with the staff. Complaints, if any, shall be brought to the attention of the Principal/ Director.
21. Students are not allowed to entertain visitors inside the college during working hours. However visitors may contact the students at the area near the reception with the permission of the Principal.
22. All are expected to actively participate in the co-curricular/ extra-curricular activities organized at the college.
23. All students should conduct themselves in a dignified manner with a high degree of discipline at all times, at all places so as to prepare themselves to take up positions of responsibilities in future.
24. These rules and regulations may be modified or may be added as deemed necessary.
25. Principal's/ Director's decisions in all matters regarding the functioning of the college shall be final and has the right to change content/rules from time to time.



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: www.stthomaskannur.ac.in Email:stthomaskannur@gmail.com

---

## **10.0 LIBRARY RULES AND REGULATIONS**

### **10.1 GENERAL RULES**

- Library shall remain open on all working days
- Silence should be maintained at all time
- Students are expected to behave in a responsible manner in the library.
- Students shall handle library materials carefully. Any damage done shall have to be rectified.
- Examine the borrowed books carefully before you leave the library.
- Each user would be provided with library cards for the issue of books.
- Each student would be issued two books at a time for a period of one week.
- Re-issue of books to a user may be allowed up to twice more after the first issue.
- Failure to return books on due date would compulsorily lead to a penalty of Rs.1 /day for all the students.
- A ‘No dues’ certificate for each student is to be obtained from the librarian while withdrawing any student from college.
- In case a user loses a book, he/she would have to either replace the book or deposit three times the price of the book in the library.
- Magazines and periodicals will also be issued for a week only.

### **10.2 ADMISSION TO LIBRARY**

- Students are allowed to library only on production of their authorized/valid Identity Cards

### **10.3 WORKING HOURS OF THE LIBRARY**

- 8:30 am to 4:40 pm in all working days

### **10.4 CIRCULATION**

**ISSUE SYSTEM:** Books will be issued on presentation of the library card. Students are instructed to check the books while borrowing and they will be responsible for any type of damage or mutilation noticed at the time of return.

**OVERDUE CHARGES:** Books will be issued to the students for 14 days only. In the first page slip is pasted and stamped mentioning the due date and the fine will be charged @ Re.1 per day per book from the due date till the book is returned to library.

**BOOK LOST:** If the books are lost, then the borrower shall replace the books of the same edition or latest edition or pay double the cost of the book after getting permission from the librarian.

**CARE OF LIBRARY BORROWER CARDS:** Take special care to maintain the library borrower cards. Do not fold, alter entries made on the cards, members are responsible for the entire set of library borrower card issued to them.



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

**LOSS OF CARDS:** Loss of borrower card should be reported to the librarian in writing. After checking the borrowing register they will be issued a fresh replacement card on a payment of Rs.25/- per card.

**NO DUE CERTIFICATE:** Each student shall obtain No dues certificate from the library after returning all the books issued, surrendering the borrower's cards and after paying outstanding dues, if any.

**CARE OF LIBRARY BOOKS:** Students are required to handle the books/ Journal very carefully; marking with pencil, writing or highlighting, tearing the pages or mutilating the same in any other way will be viewed very seriously. In such cases readers shall be held responsible unless these are brought to the notice of the library staff at the time of issue.

**REFERENCE SECTION:** This section has rare books, Text books, and reference books etc. which are only available for reference. Users can make use of these resources.

**PERIODICAL SECTION:** In this section, journals, general magazines and newsletter are available. They are arranged alphabetically. The latest issues are displayed on the display rack and other previous issues are arranged in the drawer.



# St. Thomas College of Engineering & Technology

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

## **11. IMPORTANT CONTACT NUMBERS**

**College Website:** [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in)

**Contact Number:** 0490 2401700, 01, 02, **Mobile:** 9605500216/ 7560800216

### **Principal**

Name	Contact Number
Dr. Shinu Mathew John	9367926966

### **CEO**

Name	Contact Number
Mr. Rijo Thomas	9447400216

### **Head of the Departments**

Name of Staff	Department	Contact No
Asst. Prof. Rahul V A	Applied Science and Humanities( <b>First Year</b> )	9400210861
Asst. Prof. Nithin C	Electronics & Communication Engineering	9496940171
Asst. Prof. ShreeKiran	Mechanical Engineering	9447542757
Asst. Prof. Vijila Balakrishnan	Civil Engineering	9645705410
Asst. Prof. Amitha I C	Computer Science and Engineering	9074777986
Asst. Prof. Jithika M	Computer Science and Engineering( Data Science)	9526734873

### **Staff Advisors**

Class	Class Advisor	Contact number
1 <sup>st</sup> year Computer Science and Engineering	Asst.Prof. Subina K	9946098229
1 <sup>st</sup> year Computer Science and Engineering (Data Science)	Asst.Prof. Anjali P P	7034353196
1 <sup>st</sup> year Electronics and Communication Engineering	Asst. Prof. Sreelakshmi Prasad	9495097062
1 <sup>st</sup> year Civil Engineering	Asst. Prof. Rasma S	9562811876
1 <sup>st</sup> year Mechanical Engineering	Asst. Prof Lipin K	9496360182

### **Office**

Name of Staff	Designation	Contact Number
Mr. Gangadharan C	Administrative Officer	9446679950
Mr. Joshey E J	Bus Manager	9745660265



# **St. Thomas College of Engineering & Technology**

Vellilode, Sivapuram PO. Mattanur Via Kannur Pin 670702

Approved by AICTE New Delhi, Govt. of Kerala and Affiliated to APJAKTU

.Phone 0490-2401700, 701, 702, Website: [www.stthomaskannur.ac.in](http://www.stthomaskannur.ac.in) Email: [stthomaskannur@gmail.com](mailto:stthomaskannur@gmail.com)

---

## **CURRICULUM**

**DEPARTMENT OF CIVIL  
ENGINEERING**

FIRST SEMESTER (July-December): Group C														
10 Days Compulsory Induction Program and UHV														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
1	A	GYMAT101	BSC	GC	Mathematics for Physical Science-1	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GZPHT121	BSC	GC	Physics for Physical Science	3	0	2	0	5.5	40	60	4	5
		GCCYT122			Chemistry for Physical Science									
3	C	GCEST103	ESC	GC	Engineering Mechanics	3	0	0	0	4.5	40	60	3	3
4	D	GCEST104	ESC	GC	Introduction to Mechanical Engineering & Civil Engineering (Part1: Mechanical Engineering)	2	0	0	0	3	20	30	2+2=4	4
					(Part 2: Civil Engineering)	2	0	0	0	3	20	30		
5	F	UCEST105	ESC	UC	Algorithmic Thinking with Python	3	0	2	0	5.5	40	60	4	5
6	L	GCESL106	ESC	GC	Engineering Workshop	0	0	2	0	1	50	50	1	2
7	I* S1/ S2	UCHWT127	HWP	UC	Health and wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3	100	0		
8	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(30 Hours, NASSCOM)	MOOC				2			-	
Total										30/ 32			20	24/ 25
Bridge Course (Mathematics or Introduction to Computer Science) *:										Total 15 Hrs.				

\*Valuation for HMC courses will be done at college level, Question papers will be provided by the University.

\*No Grade Points will be awarded for the MOOC course and I slot course.

- L-T-P-R: Lecture-Tutorial-Practical-Project
- SS(Self Study) Hours= 1.5L+0.5 T+0.5P+R
- CIA: Continuous Internal Assessment, ESE: End Semester Examination

Digital 101 (NASSCOM)		
Sl. No:	Technologies Covered	Hours
1	Artificial intelligence and Big Data Analytics (AI/BDA)	11
2	Internet of Things (IoT)	2.5
3	Cyber Security	2.5
4	Block Chain	2.5
5	Robotic Process Automation	1.5
6	Augmented and Virtual Reality (AR and VR)	2.5
7	Cloud Computing	2.5
8	3 D Printing and Modelling	2
9	Web, Mobile Dev and Marketing	2
10	Responsible AI	1
	<b>Total Hours</b>	<b>30</b>

**Note:** Engineering Physics, Engineering Chemistry, Health and Safety and Life skill and Life Skills and Professional Communication shall be offered in both S1 and S2. Institutions can advise students belonging to about 50% of the number of branches in the Institution to opt for Engineering Physics/ Engineering Chemistry in slot B and Health and wellness/ Life Skills and Professional Communication in slot I in the first semester and remaining 50% to opt similarly in the second semester

SECOND SEMESTER (January-June):Group C														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs. /We ek
						L	T	P	R		CIA	ESE		
1	A	GYMAT201	BSC	GC	Mathematics for Physical Science-2	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GZPHT121	BSC	GC	Physics for Physical Science	3	0	2	0	5.5	40	60	4	5
		GCCYT122			Chemistry for Physical Science									
3	C	GCEST203	ESC	GC	Engineering Graphics and Computer Aided Drawing	2	0	2	0	4	40	60	3	4
4	D	GZEST204	ESC	GC	Basic Electrical & Electronics Engineering (Part 1: Electrical Engineering)	2	0	0	0	3	20	30	2+2=4	4
					(Part 2: Electronics Engineering)	2	0	0	0	3	20	30		
5	E	PCCET205	PC	PC	Mechanics of Solids	3	1	0	0	5	40	60	4	4
6	F	UCEST206	ESC	UC	Engineering Entrepreneurship & IPR	3	0	0	0	4.5	60	40	3	3
7	I* S1/ S2	UCHWT127	HWP	UC	Health and wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3	100	0		
8	L	GCESL218	ESC	GC	Civil Engineering Drafting lab	0	0	2	0	1	50	50	1	2
9	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(30 Hours, NASSCOM)	MOOC							1	
Total										34			24	27/ 28

\*No Grade Points will be awarded for the MOOC course and I slot course.



# **ELECTRONICS AND COMMUNICATION ENGINEERING**

FIRST SEMESTER (July-December): Group B														
10 Days Compulsory Induction Program and UHV														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
1	A	GYMAT101	BSC	GC	Mathematics for Electrical Science-1	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GBPHT121	BSC	GC	Physics for Electrical Science	3	0	2	0	5.5	40	60	4	5
		GXCYT122			Chemistry for Electrical Science									
3	C	GMEST103	ESC	GC	Engineering Graphics and Computer Aided Drawing.	2	0	2	0	4	40	60	3	4
4	D	GXEST104	ESC	GC	Introduction to Electrical & Electronics Engineering (Part 1: Electrical Engineering)	2	0	0	0	3	20	30	2+2=4	4
					(Part 2: Electronics Engineering)	2	0	0	0	3	20	30		
5	F	UCEST105	ESC	UC	Algorithmic Thinking with Python	3	0	2	0	5.5	40	60	4	5
6	L	GXESL106	ESC	GC	Basic Electrical and Electronics Engineering Workshop	0	0	2	0	1	50	50*	1	2
7	I* S1/S2	UCHWT127	HWP	UC	Health and Wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HM C		Life Skills and Professional Communication	2	0	1	0	3.5	100	0		
8	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(NASSCOM)	MOOC***				2			-	
Total										30/ 32			20	25/ 26
Bridge Course (Mathematics or Introduction to Computer Science) *:										Total 15 Hrs.				

\*No Grade Points will be awarded for the MOOC course and I slot course.

SECOND SEMESTER (January-June): Group B														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
1	A	GYMAT201	BSC	GC	Mathematics for Electrical Science-2	3	0	0	0	4.5	40	60	3	3
2	B S1/S2	GBPHT121	BSC	GC	Physics for Electrical Science	3	0	2	0	5.5	40	60	4	5
		GXCYT122			Chemistry for Electrical Science									
3	C	GXEST203	ESC	GC	Foundations of Computing: From Hardware Essentials to Web Design	3	0	0	0	4.5	40	60	3	3
		GBEST213			Engineering Mechanics (EEE, CP, RA & RU)									
4	D	GXEST204	ESC	GC	Programming in C	3	0	2	0	5.5	40	60	4	5
5	E	PCECT205	PC	PC	Network Theory	3	1	0	0	5	40	60	4	4
6	F	UCEST206	ESC	UC	Engineering Entrepreneurship & IPR	3	0	0	0	4.5	60	40	3	3
7	I* S1/S2	UCHWT127	HWP	UC	Health and Wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3.5	100	0		
8	L	GXESL208	ESC	GC	IT Workshop	0	0	2	0	1	50	50*	1	2
	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(NASSCOM)	MOOC***							1	
Total										34			24	27/ 28

\*No Grade Points will be awarded for the MOOC course and I slot course.

- L-T-P-R: Lecture-Tutorial-Practical-Project
- SS (Self Study) Hours= 1.5L+0.5 T+0.5P+R

CIA: Continuous Internal Assessment, ESE: End Semester Examination

**Note:** Physics, Chemistry, Health and Wellness & Life Skill and Professional Communication can be offered in both Semester 1 (S1) and Semester 2 (S2). Institutions are encouraged to guide approximately 50% of their branches to choose between Physics **or** Chemistry (Slot B) and Health and Wellness **or** Life Skill and Professional Communication (Slot I) in Semester 1.

Digital 101 (NASSCOM)		
Sl. No:	Technologies Covered	Hours
1	Artificial intelligence and Big Data Analytics (AI/BDA)	11
2	Internet of Things (IoT)	2.5
3	Cyber Security	2.5
4	Block Chain	2.5
5	Robotic Process Automation	1.5
6	Augmented Reality and Virtual Reality (AR and VR)	2.5
7	Cloud Computing	2.5
8	3 D Printing and Modelling	2
9	Web, Mobile Dev and Marketing	2
10	Responsible AI	1
	<b>Total Hours</b>	<b>30</b>

**Skill Enhancement Course:** Digital 101 is an introductory Massive Open Online Course (MOOC) offered by NASSCOM. It is designed to provide students with foundational knowledge and skills in digital technologies, preparing them for further studies and careers in the digital domain. By incorporating the Digital 101 course into the curriculum, KTU ensures that all students gain valuable digital skills early in their academic journey, enhancing their readiness for advanced courses and future careers in technology.

**Course Registration and Completion:**

- Students have the flexibility to register and complete the Digital 101 course either in their first semester (S1) or second semester (S2).
- The credit for this course (1 credit) will be officially recorded in the second semester grade card.

# **COMPUTER SCIENCE AND ENGINEERING**

FIRST SEMESTER (July-December): Group A														
10 Days Compulsory Induction Program and UHV														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
						L	T	P	R		CIA	ESE		
1	A	GAMAT101	BSC	GC	Mathematics for Information Science-1	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GAPHT121	BSC	GC	Physics for Information Science	3	0	2	0	5.5	40	60	4	5
		GXCYT122			Chemistry for Information Science									
3	C	GMEST103	ESC	GC	Engineering Graphics and Computer Aided Drawing.	2	0	2	0	4	40	60	3	4
4	D	GXEST104	ESC	GC	Introduction to Electrical & Electronics Engineering (Part 1: Electrical Engineering)	2	0	0	0	3	20	30	2+2=4	4
					(Part 2: Electronics Engineering)	2	0	0	0	3	20	30		
5	F	UCEST105	ESC	UC	Algorithmic Thinking with Python	3	0	2	0	5.5	40	60	4	5
6	L	GXESL106	ESC	GC	Basic Electrical and Electronics Engineering Workshop	0	0	2	0	1	50	50*	1	2
7	I** S1/ S2	UCHWT127	HWP	UC	Health and Wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3.5	100	0		
8	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(NASSCOM)	MOOC***				2			-	
Total										30/ 32			20	25/ 26
Bridge Course (Mathematics or Introduction to Computer Science) *:										Total 15 Hrs.				

SECOND SEMESTER (January-June): Group A														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
						L	T	P	R		CIA	ESE		
1	A	GAMAT201	BSC	GC	Mathematics for Information Science-2	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GAPHT121	BSC	GC	Physics for Information Science	3	0	2	0	5.5	40	60	4	5
		GXCYT122			Chemistry for Information Science									
3	C	GXEST203	ESC	GC	Foundations of Computing: From Hardware Essentials to Web Design	3	0	0	0	4.5	40	60	3	3
4	D	GXEST204	ESC	GC	Programming in C	3	0	2	0	5.5	40	60	4	5
5	E	PCCST205	PC	PC	Discrete Mathematics	3	1	0	0	5	40	60	4	4
6	F	UCEST206	ESC	UC	Engineering Entrepreneurship & IPR	3	0	0	0	4.5	60	40	3	3
7	I** S1/ S2	UCHWT127	HWP	UC	Health and Wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3.5	100	0		
8	L	GXESL208	ESC	GC	IT Workshop	0	0	2	0	1	50	50*	1	2
	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(NASSCOM)	MOOC***							1	
Total										34			24	27/ 28

\* Internal evaluation by college

\*\*No Grade Points will be awarded for the MOOC course and I slot course.

- L-T-P-R: Lecture-Tutorial-Practical-Project
- SS (Self Study) Hours=  $1.5L + 0.5T + 0.5P + R$
- CIA: Continuous Internal Assessment, ESE: End Semester Examination

**Note:** Physics, Chemistry, Health and Wellness & Life Skill and Professional Communication can be offered in both Semester 1 (S1) and Semester 2 (S2). Institutions are encouraged to guide approximately 50% of their branches to choose between Physics **or** Chemistry (Slot B) and Health and Wellness **or** Life Skill and Professional Communication (Slot I) in Semester 1.

Digital 101 (NASSCOM)		
Sl. No:	Technologies Covered	Hours
1	Artificial intelligence and Big Data Analytics (AI/BDA)	11
2	Internet of Things (IoT)	2.5
3	Cyber Security	2.5
4	Block Chain	2.5
5	Robotic Process Automation	1.5
6	Augmented Reality and Virtual Reality (AR and VR)	2.5
7	Cloud Computing	2.5
8	3 D Printing and Modelling	2
9	Web, Mobile Dev and Marketing	2
10	Responsible AI	1
Total Hours		30

**Skill Enhancement Course:** Digital 101 is an introductory Massive Open Online Course (MOOC) offered by NASSCOM. It is designed to provide students with foundational knowledge and skills in digital technologies, preparing them for further studies and careers in the digital domain. By incorporating the Digital 101 course into the curriculum, KTU ensures that all students gain valuable digital skills early in their academic journey, enhancing their readiness for advanced courses and future careers in technology.

**Course Registration and Completion:**

- Students have the flexibility to register and complete the Digital 101 course either in their first semester (S1) or second semester (S2).
- The credit for this course (1 credit) will be officially recorded in the second semester grade card.

# **MECHANICAL ENGINEERING**

FIRST SEMESTER (July-December): Group C														
10 Days Compulsory Induction Program and UHV														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
1	A	GYMAT101	BSC	GC	Mathematics for Physical Science-1	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GZPHT121	BSC	GC	Physics for Physical Science	3	0	2	0	5.5	40	60	4	5
		GCCYT122			Chemistry for Physical Science									
3	C	GCEST103	ESC	GC	Engineering Mechanics	3	0	0	0	4.5	40	60	3	3
4	D	GCEST104	ESC	GC	Introduction to Mechanical Engineering & Civil Engineering (Part1: Mechanical Engineering)	2	0	0	0	3	20	30	2+2=4	4
					(Part 2: Civil Engineering)	2	0	0	0	3	20	30		
5	F	UCEST105	ESC	UC	Algorithmic Thinking with Python	3	0	2	0	5.5	40	60	4	5
6	L	GCESL106	ESC	GC	Engineering Workshop	0	0	2	0	1	50	50	1	2
7	I* S1/ S2	UCHWT127	HWP	UC	Health and wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3.5	100	0		
8	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(30 Hours, NASSCOM)	MOOC				2			-	
Total										30/ 32			20	24/ 25
Bridge Course (Mathematics or Introduction to Computer Science) *: Total 15 Hrs.														

\*Valuation for HMC courses will be done at college level, Question papers will be provided by the University.

\*No Grade Points will be awarded for the MOOC course and I slot course.

- L-T-P-R: Lecture-Tutorial-Practical-Project
- SS (Self Study) Hours= 1.5L+0.5 T+0.5P+R
- CIA: Continuous Internal Assessment, ESE: End Semester Examination

Digital 101 (NASSCOM)		
Sl. No:	Technologies Covered	Hours
1	Artificial intelligence and Big Data Analytics (AI/BDA)	11
2	Internet of Things (IoT)	2.5
3	Cyber Security	2.5
4	Block Chain	2.5
5	Robotic Process Automation	1.5
6	Augmented and Virtual Reality (AR and VR)	2.5
7	Cloud Computing	2.5
8	3 D Printing and Modelling	2
9	Web, Mobile Dev and Marketing	2
10	Responsible AI	1
<b>Total Hours</b>		<b>30</b>

**Note:** Physics, Chemistry, Health and Wellness & Life Skill and Professional Communication can be offered in both Semester 1 (S1) and Semester 2 (S2). Institutions are encouraged to guide approximately 50% of their branches to choose between Physics or Chemistry (Slot B) and Health and Wellness or Life Skill and Professional Communication (Slot I) in Semester 1.



SECOND SEMESTER (January-June): Group C														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
1	A	GYMAT201	BSC	GC	Mathematics for Physical Science-2	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GZPHT121	BSC	GC	Physics for Physical Science	3	0	2	0	5.5	40	60	4	5
		GCCYT122			Chemistry for Physical Science									
3	C	GCEST203	ESC	GC	Engineering Graphics and Computer Aided Drawing	2	0	2	0	4	40	60	3	4
4	D	GZEST204	ESC	GC	Basic Electrical & Electronics Engineering (Part 1: Electrical Engineering)	2	0	0	0	3	20	30	2+2=4	4
					(Part 2: Electronics Engineering)	2	0	0	0	3	20	30		
5	E	PCMET205	PC	PC	Material Science and Engineering	3	1	0	0	5	40	60	4	4
6	F	UCEST206	ESC	UC	Engineering Entrepreneurship & IPR	3	0	0	0	4.5	60	40	3	3
7	I* S1/ S2	UCHWT127	HWP	UC	Health and wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3.5	100	0		
8	L	GZESL208	ESC	GC	Basic Electrical and Electronics Engineering workshop	0	0	2	0	1	50	50	1	2
9	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(30 Hours, NASSCOM)	MOOC							1	
Total										34			24	27/ 28

\*No Grade Points will be awarded for the MOOC course and I slot course.

THIRD SEMESTER (July-December)														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
						L	T	P	R		CIA	ESE		
1	A	GYMAT301	BSC	GC	Mathematics for Physical Science-3	3	0	0	0	4.5	40	60	3	3
2	B	PCMET302	PC	PC	Mechanics of Solids	3	1	0	0	5	40	60	4	4
3	C	PCMET303	PC	PC	Fluid Mechanics and Machinery	3	1	0	0	5	40	60	4	4
4	D	PBMET304	PC-PBL	PB	Manufacturing Processes	3	0	0	1	5.5	60	40	4	4
5	F	GNEST305	ESC	GC	Introduction to Artificial Intelligence and Data Science	3	1	0	0	5	40	60	4	4
6	G S3/S4	UCHUT346	HMC	UC	Economics for Engineers	2	0	0	0	3	50	50	2	2
		UCHUT347			Engineering Ethics and Sustainable Development									
7	L	PCMEL307	PCL	PC	Computer Aided Machine Drawing & Modelling	0	0	3	0	1.5	50	50	2	3
8	Q	PCMEL308	PCL	PC	Materials Testing lab	0	0	3	0	1.5	50	50	2	3
9	R/M		VAC		REMEDIAL/MINOR/COURSE	3	1	0	0	5			4*	4*
Total										31/36			25/29*	27/31*

# **COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)**

FIRST SEMESTER (July-December): Group A														
10 Days Compulsory Induction Program and UHV														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
						L	T	P	R		CIA	ESE		
1	A	GAMAT101	BSC	GC	Mathematics for Information Science-1	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GAPHT121	BSC	GC	Physics for Information Science	3	0	2	0	5.5	40	60	4	5
		GXCYT122			Chemistry for Information Science									
3	C	GMEST103	ESC	GC	Engineering Graphics and Computer Aided Drawing.	2	0	2	0	4	40	60	3	4
4	D	GXEST104	ESC	GC	Introduction to Electrical & Electronics Engineering (part 1: Electrical Engineering)	2	0	0	0	3	20	30	2+2=4	4
					(Part 2: Electronics Engineering)	2	0	0	0	3	20	30		
5	F	UCEST105	ESC	UC	Algorithmic Thinking with Python	3	0	2	0	5.5	40	60	4	5
6	L	GYESL106	ESC	GC	Basic Electrical and Electronics Engineering Workshop	0	0	2	0	1	50	50*	1	2
7	I** S1/ S2	UCHWT127	HWP	UC	Health and Wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3.5	100	0		
8	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(NASSCOM)	MOOC***				2			-	
Total										30/ 32			20	25/ 26
Bridge Course (Mathematics or Introduction to Computer Science) *:										Total 15 Hrs.				

SECOND SEMESTER (January-June): Group A														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
						L	T	P	R		CIA	ESE		
1	A	GAMAT201	BSC	GC	Mathematics for Information Science-2	3	0	0	0	4.5	40	60	3	3
2	B S1/ S2	GAPHT121	BSC	GC	Physics for Information Science	3	0	2	0	5.5	40	60	4	5
		GXCYT122			Chemistry for Information Science									
3	C	GXEST203	ESC	GC	Foundations of Computing: From Hardware Essentials to Web Design	3	0	0	0	4.5	40	60	3	3
4	D	GYEST204	ESC	GC	Programming in C	3	0	2	0	5.5	40	60	4	5
5	E	PCCST205	PC	PC	Discrete Mathematics	3	1	0	0	5	40	60	4	4
6	F	UCEST206	ESC	UC	Engineering Entrepreneurship & IPR	3	0	0	0	4.5	60	40	3	3
7	I* S1/ S2	UCHWT127	HWP	UC	Health and Wellness	1	0	1	0	0	50	0	1	2/3
		UCHUT128	HMC		Life Skills and Professional Communication	2	0	1	0	3.5	100	0		
8	L	GXESL208	ESC	GC	IT Workshop	0	0	2	0	1	50	50*	1	2
	S1/ S2	UCSEM129	SEC	UC	Skill Enhancement Course: Digital 101(NASSCOM)	MOOC							1	
Total										34			24	27/ 28

- \*No Grade Points will be awarded for the MOOC course and I slot course.

- L-T-P-R: Lecture-Tutorial-Practical-Project
- SS (Self Study) Hours=  $1.5L+0.5T+0.5P+R$
- CIA: Continuous Internal Assessment, ESE: End Semester Examination

**Note:** Physics, Chemistry, Health and Wellness & Life Skill and Professional Communication can be offered in both Semester 1 (S1) and Semester 2 (S2). Institutions are encouraged to guide approximately 50% of their branches to choose between Physics **or** Chemistry (Slot B) and Health and Wellness **or** Life Skill and Professional Communication (Slot I) in Semester 1.

Digital 101 (NASSCOM)		
Sl. No:	Technologies Covered	Hours
1	Artificial intelligence and Big Data Analytics (AI/BDA)	11
2	Internet of Things (IoT)	2.5
3	Cyber Security	2.5
4	Block Chain	2.5
5	Robotic Process Automation	1.5
6	Augmented Reality and Virtual Reality (AR and VR)	2.5
7	Cloud Computing	2.5
8	3 D Printing and Modelling	2
9	Web, Mobile Dev and Marketing	2
10	Responsible AI	1
	<b>Total Hours</b>	<b>30</b>

**Skill Enhancement Course:** Digital 101 is an introductory Massive Open Online Course (MOOC) offered by NASSCOM. It is designed to provide students with foundational knowledge and skills in digital technologies, preparing them for further studies and careers in the digital domain. By incorporating the Digital 101 course into the curriculum, KTU ensures that all students gain valuable digital skills early in their academic journey, enhancing their readiness for advanced courses and future careers in technology.

**Course Registration and Completion:**

- Students have the flexibility to register and complete the Digital 101 course either in their first semester (S1) or second semester (S2).
- The credit for this course (1 credit) will be officially recorded in the second semester grade card.

# LINWAYS USER MANUAL

**Link:** <https://stmkannur.linways.com/student/>

## GET STARTED

Step 1: Login with username and password if you are already registered.

Linways AMS - Convenience and the ability to learn at any place and any time.




### Student Benefits

- ✓ Learning convenience.
- ✓ Access course materials.
- ✓ Submit assignments online.
- ✓ Tests appear online.
- ✓ Access to results of various tests.
- ✓ Evaluate or rate the faculty.
- ✓ Easy library access.

### Sign In

Sign in

 Sign in with Google

[Forgot Password?](#)

This web application is best viewed using [Firefox 3](#), [Safari 3](#), [Chrome 3](#) or its higher versions.


## UPDATE YOUR PROFILE

## ➡ Update your profile

The screenshot shows the student portal interface for St. Thomas College of Engineering & Technology, Kannur. The browser address bar displays <https://stmkannur.linways.com/student/student.php?menu=home>. The top navigation bar includes links for Home, My performance, Documents, and a notification bell. The left sidebar contains a list of menu items, with 'Profile Settings' highlighted by a red rectangle. The main content area features a 'NOTIFICATIONS' section with icons for Assignments (2), Announcements, From Tutor, and Exams (25). Below this is a 'BATCH: CSE2017, S7' section with tabs for Calendar, Timetable, Subjects, and Attendance. A legend identifies event types: Examinations (red), Assignments (purple), Special events (brown), Ordinary events (blue), Holidays (green), Multiple Events (orange), and Quizzes (pink). The calendar for October 2020 shows events such as 'CS401' on Monday the 28th, 'CS407' on Wednesday the 30th, 'Series Test 1' on Thursday the 1st, 'COMPUTER GRAPHICS' on Thursday the 8th, 'COMPUTER SYSTEM ARCH' on Friday the 12th, 'CRYPTOGRAPHY AND NET' on Saturday the 13th, and 'Second Saturday' on Sunday the 10th.

## Change Password

Profile settings → Change password



### CHANGE PASSWORD

Old password

Choose a password

Re-enter password

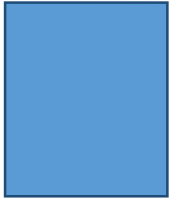
[Change Password](#)

#### Profile Settings

- My profile
- Change password**
- Attendance
- Assignment Mark
- Normalised Marks

## ACADEMIC CALENDER

St.Thomas College of Engineering & Technology,Kannur
Home
My performance
Documents
13



#### NOTIFICATIONS

Assignments 2
 Announcements
 From Tutor
 Exams 25

#### BATCH: CSE2017, S7

[Calendar](#)
[Timetable](#)
[Subjects](#)
[Attendance](#)

Examinations
Holidays

Assignments
Multiple Events

Special events
Quizzes

Ordinary events

< today >
<< October 2020 >>
month week

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28 CS401	29	30 CS407	1 Series Test 1 COMPUTER GRAPHICS +3 more	2 Gandhi Jayanthi	3
4 Holiday	5 Series Test 1 COMPUTER SYSTEM ARCH +3 more	6 Series Test 1 CRYPTOGRAPHY AND NET +3 more	7	8	9	10 Second Saturday CS431 CS431
11	12	13	14	15	16	17

# TIMETABLE

BATCH: CSE2017, S7

Calendar **Timetable** Subjects Attendance

Time table from 12-10-2020 to 18-10-2020

Days/Hours	Hour 1		Hour 2		Hour 3		Hour 4		Hour 5		Hour 6	
	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
Monday 12-10-2020	08:30	09:10	09:10	09:50	10:20	11:00	11:00	11:40	12:10	12:50	12:50	13:30
	CS405 (STMTF107) CSE2017 [08:30 AM to 09:10 AM]		CS407 (STMTF076) CSE2017 [09:10 AM to 09:50 AM]		CS401 (STMTF081) CSE2017 [10:20 AM to 11:00 AM]		CS403 (STMTF116) CSE2017 [11:00 AM to 11:40 AM]		CS401 (STMTF081) CSE2017 [12:10 PM to 12:50 PM]		CS403 (STMTF116) CSE2017 [12:50 PM to 01:30 PM]	
Tuesday 13-10-2020	CS401 (STMTF081) CSE2017 [08:30 AM to 09:10 AM]		CS403 (STMTF116) CSE2017 [09:10 AM to 09:50 AM]		CS409 (STMTF060) CSE2017 [10:20 AM to 11:00 AM]		CS405 (STMTF107) CSE2017 [11:00 AM to 11:40 AM]		CS409 (STMTF060) CSE2017 [12:10 PM to 12:50 PM]		CS403 (STMTF116) CSE2017 [12:50 PM to 01:30 PM]	
Wednesday 14-10-2020	CS409 (STMTF060) CSE2017 [08:30 AM to 09:10 AM]		CS467 (STMTF010) CSE2017 [09:10 AM to 09:50 AM]		CS401 (STMTF081) CSE2017 [10:20 AM to 11:00 AM]		CS405 (STMTF107) CSE2017 [11:00 AM to 11:40 AM]		CS467 (STMTF010) CSE2017 [12:10 PM to 12:50 PM]		CS407 (STMTF076) CSE2017 [12:50 PM to 01:30 PM]	
Thursday 15-10-2020	CS401 (STMTF081)		CS467 (STMTF010)		CS403 (STMTF116)		CS409 (STMTF060)		CS407 (STMTF076)		CS405 (STMTF107)	

# ATTENDANCE

Calendar Timetable Subjects **Attendance**

SUBJECT WISE ATTENDANCE REPORT (HOUR-WISE)

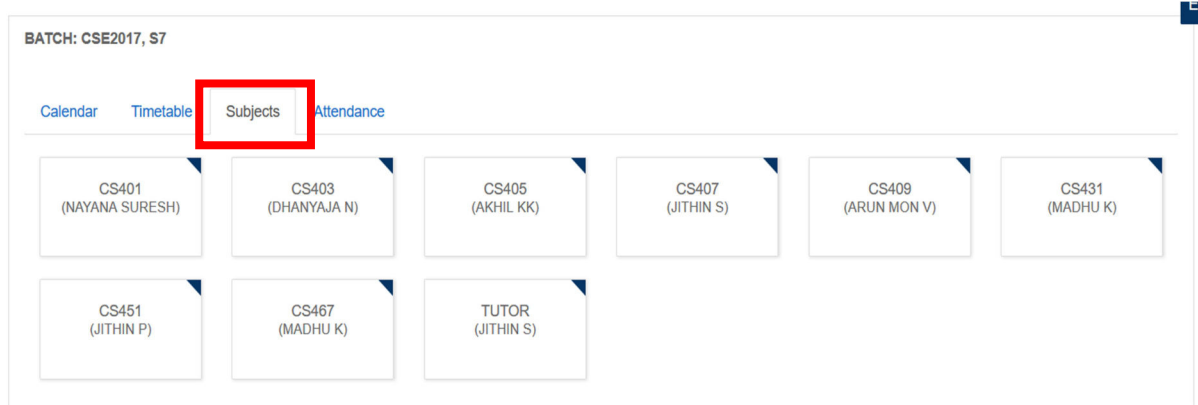
Using attendance rule  
from 2020-08-17 to 2020-10-14

Sl No	Subject Name	Number of Attended Hour	Total Hour	Attendance Percentage	Attendance Percenta
1	COMPUTER GRAPHICS (CS401)	23	38	60.53%	60.53%
2	PROGRAMMING PARADIGMS (CS403)	23	36	63.89%	63.89%
3	COMPUTER SYSTEM ARCHITECTURE (CS405)	22	31	70.97%	70.97%
4	DISTRIBUTED COMPUTING (CS407)	21	31	67.74%	67.74%
5	MACHINE LEARNING (CS467)	19	30	63.33%	63.33%
6	CRYPTOGRAPHY AND NETWORK SECURITY (CS409)	22	32	68.75%	68.75%
7	COMPILER DESIGN LAB (CS431)	3	6	50%	50%
8	SEMINAR AND PROJECT PRELIMINARY (CS451)	10	10	100%	100%
Total		143	214	66.82%	66.82%

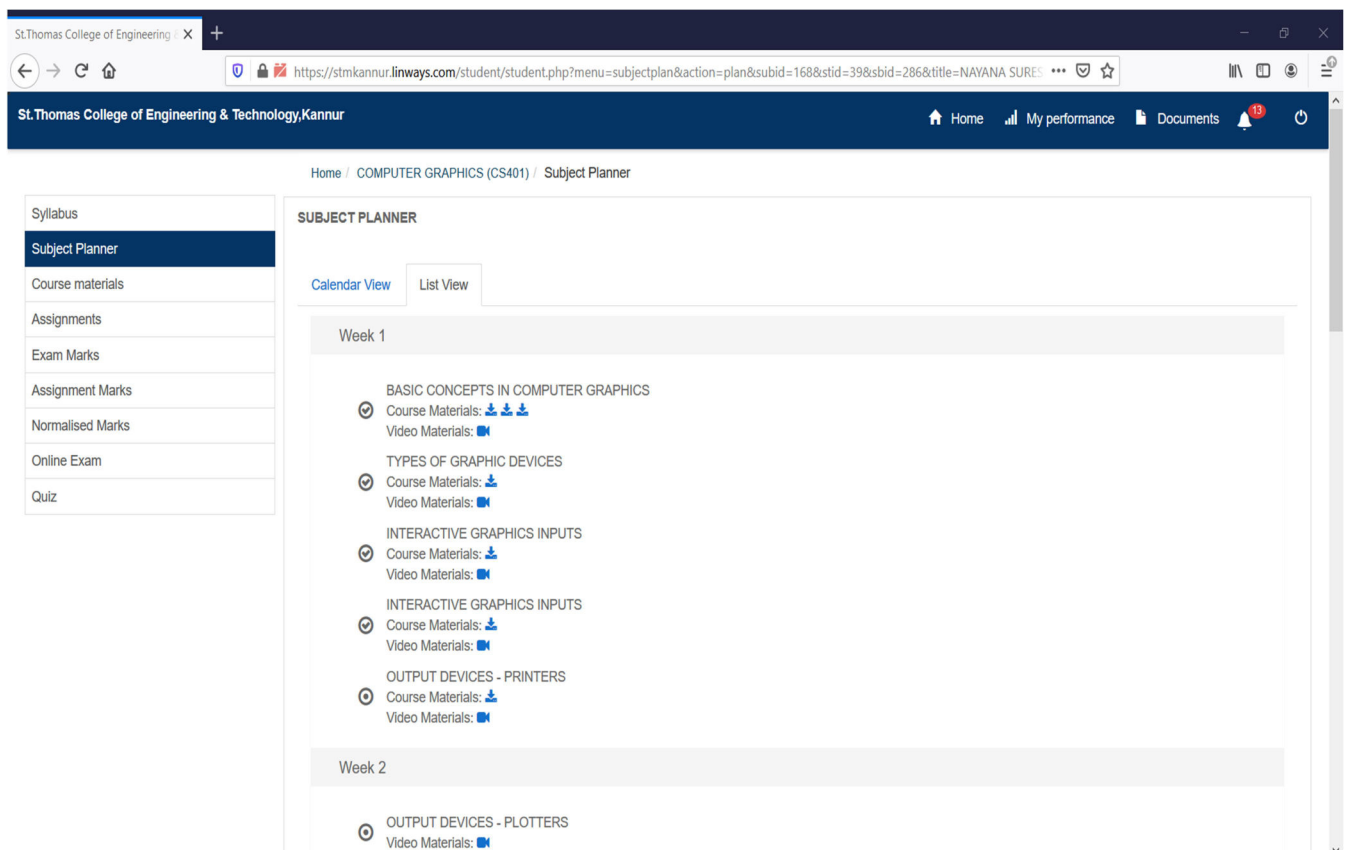


## HOW TO ACCESS CLASS MATERIALS?

→ Go to 'subjects'

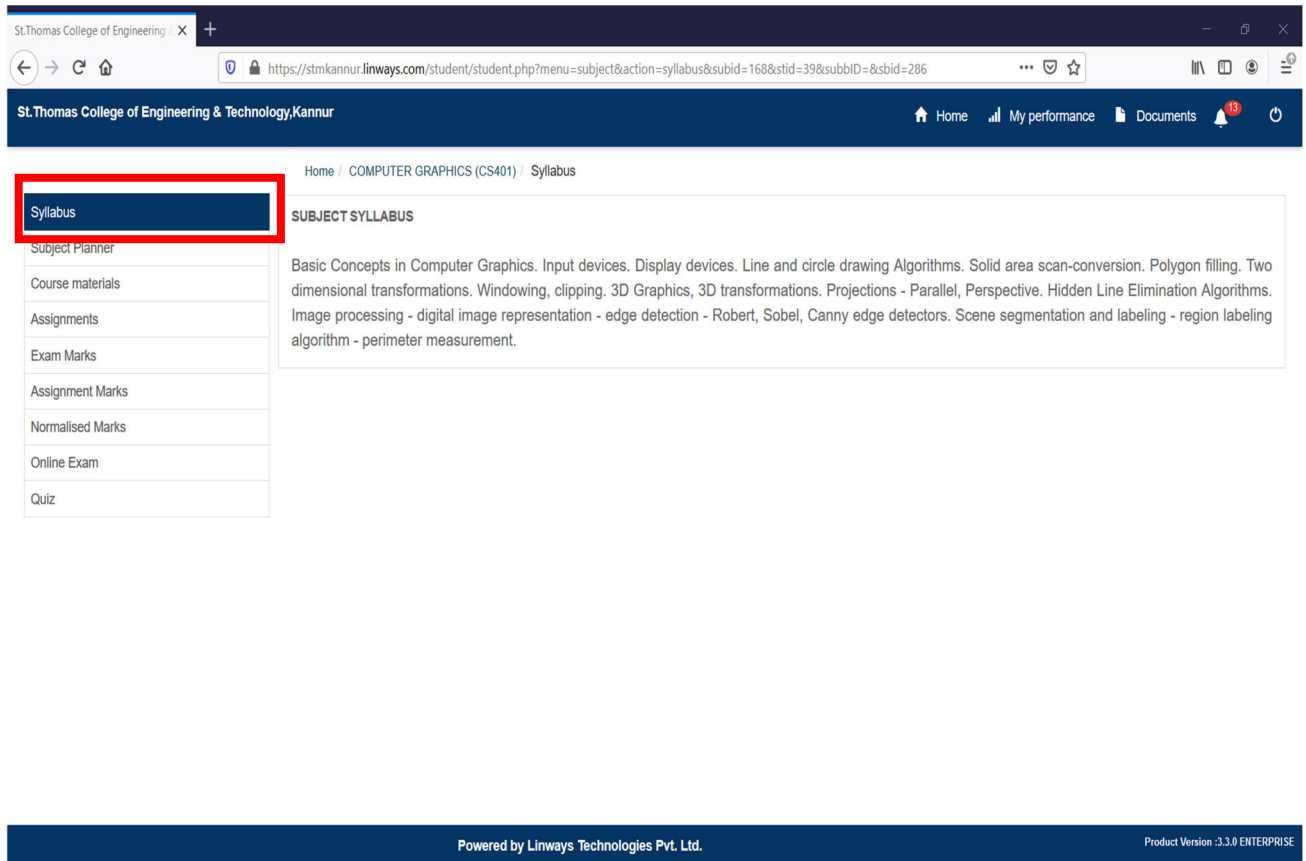


→ Select any subject from the list →



In this window, you will see a complete overview of respected subject.

## →How to find syllabus of a subject?

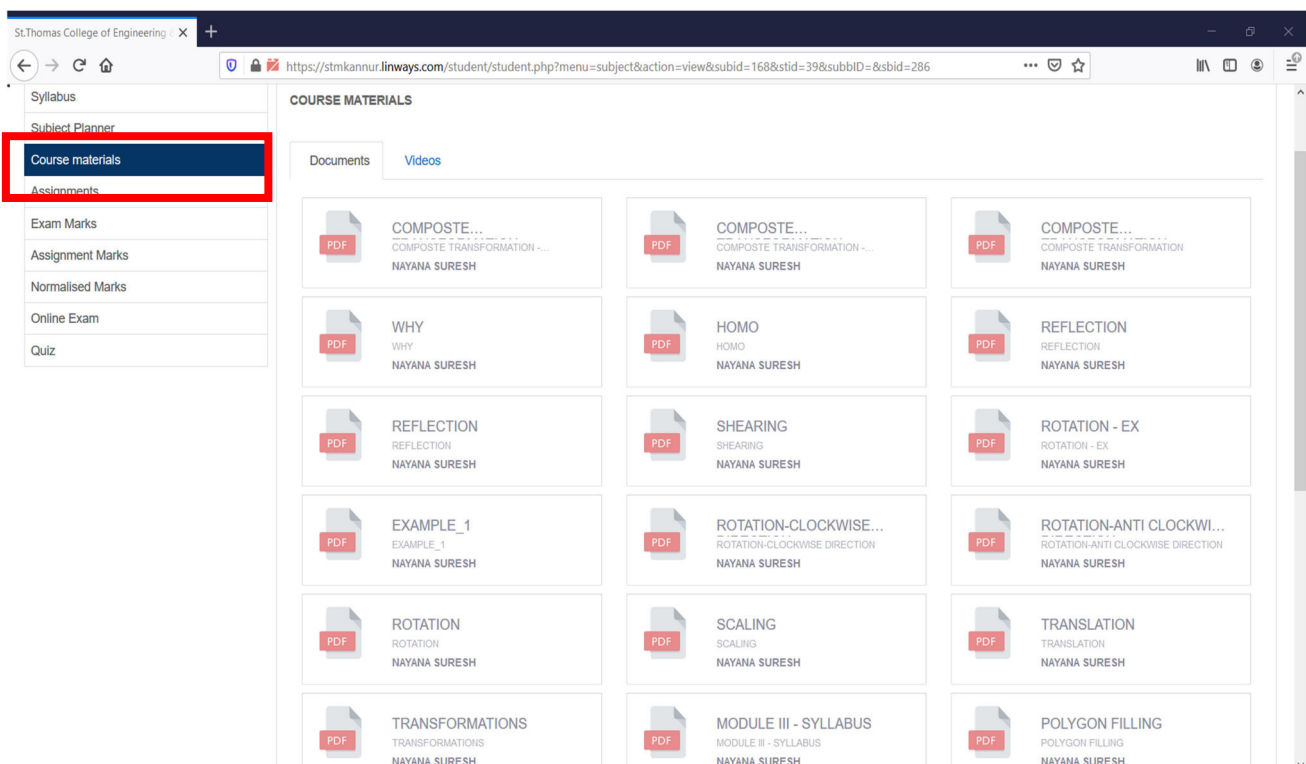


The screenshot shows a web browser window with the URL <https://stmkannur.linways.com/student/student.php?menu=subject&action=syllabus&subid=168&stid=39&subID=&sbid=286>. The page title is "St.Thomas College of Engineering & Technology,Kannur". The left sidebar contains a menu with "Syllabus" highlighted in a red box. The main content area displays the "SUBJECT SYLLABUS" for "COMPUTER GRAPHICS (CS401)". The syllabus text is as follows:

Basic Concepts in Computer Graphics. Input devices. Display devices. Line and circle drawing Algorithms. Solid area scan-conversion. Polygon filling. Two dimensional transformations. Windowing, clipping. 3D Graphics, 3D transformations. Projections - Parallel, Perspective. Hidden Line Elimination Algorithms. Image processing - digital image representation - edge detection - Robert, Sobel, Canny edge detectors. Scene segmentation and labeling - region labeling algorithm - perimeter measurement.

At the bottom of the page, there is a footer that reads "Powered by Linways Technologies Pvt. Ltd." and "Product Version 3.3.0 ENTERPRISE".

## →How to access course study materials?



The screenshot shows the same web browser window as the previous one, but the URL is <https://stmkannur.linways.com/student/student.php?menu=subject&action=view&subid=168&stid=39&subID=&sbid=286>. The left sidebar menu has "Course materials" highlighted in a red box. The main content area displays the "COURSE MATERIALS" for "COMPUTER GRAPHICS (CS401)". The materials are organized into a grid of 18 items, each with a PDF icon and a title:

- COMPOSITE... COMPOSITE TRANSFORMATION -... NAYANA SURESH
- COMPOSITE... COMPOSITE TRANSFORMATION -... NAYANA SURESH
- COMPOSITE... COMPOSITE TRANSFORMATION -... NAYANA SURESH
- WHY WHY NAYANA SURESH
- HOMO HOMO NAYANA SURESH
- REFLECTION REFLECTION NAYANA SURESH
- REFLECTION REFLECTION NAYANA SURESH
- SHEARING SHEARING NAYANA SURESH
- ROTATION - EX ROTATION - EX NAYANA SURESH
- EXAMPLE\_1 EXAMPLE\_1 NAYANA SURESH
- ROTATION-CLOCKWISE... ROTATION-CLOCKWISE DIRECTION NAYANA SURESH
- ROTATION-ANTI CLOCKWI... ROTATION-ANTI CLOCKWISE DIRECTION NAYANA SURESH
- ROTATION ROTATION NAYANA SURESH
- SCALING SCALING NAYANA SURESH
- TRANSLATION TRANSLATION NAYANA SURESH
- TRANSFORMATIONS TRANSFORMATIONS NAYANA SURESH
- MODULE III - SYLLABUS MODULE III - SYLLABUS NAYANA SURESH
- POLYGON FILLING POLYGON FILLING NAYANA SURESH

St.Thomas College of Engineering & Technology, Kannur

Home / COMPUTER GRAPHICS (CS401) / Course Materials

**COURSE MATERIALS**

Documents Videos

search

	NON - IMPACT PRINTERS		MID POINT CIRCLE DRAWING ALGORITHM
	OUTPUT DEVICES - PRINTERS		MID POINT CIRCLE DRAWING ALGORITHM
	REFLECTION		DDA ALGORITHM
	BASIC 2D TRANSFORMATIONS		LINE DRAWING ALGORITHMS
	SHEARING, ROTATION		CIRCLE GENERATION ALGORITHMS
	CRT		RASTER SCAN DISPLAYS

→ How to see assignments that are published by the teacher?

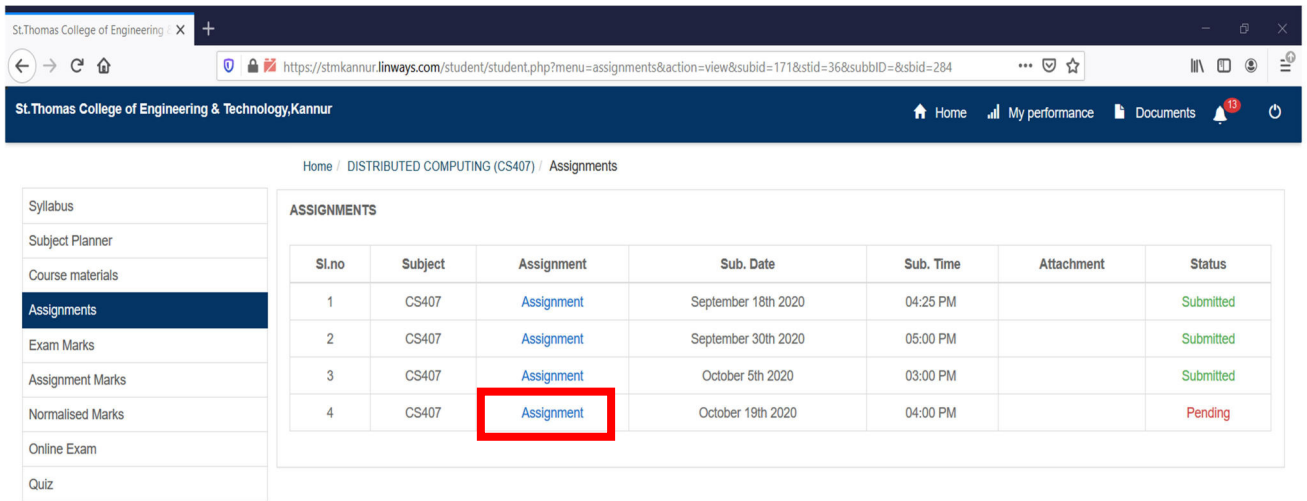
St.Thomas College of Engineering & Technology, Kannur

Home / COMPUTER GRAPHICS (CS401) / Assignments

**ASSIGNMENTS**

Sl.no	Subject	Assignment	Sub. Date	Sub. Time	Attachment	Status
1	CS401	<a href="#">Assignment</a>	September 11th 2020	04:20 PM		Submitted
2	CS401	<a href="#">Assignment</a>	September 28th 2020	02:30 PM		Submitted
3	CS401	<a href="#">Assignment</a>	October 1st 2020	11:05 AM		Submitted

## →HOW TO SUBMIT ASSIGNMENTS?



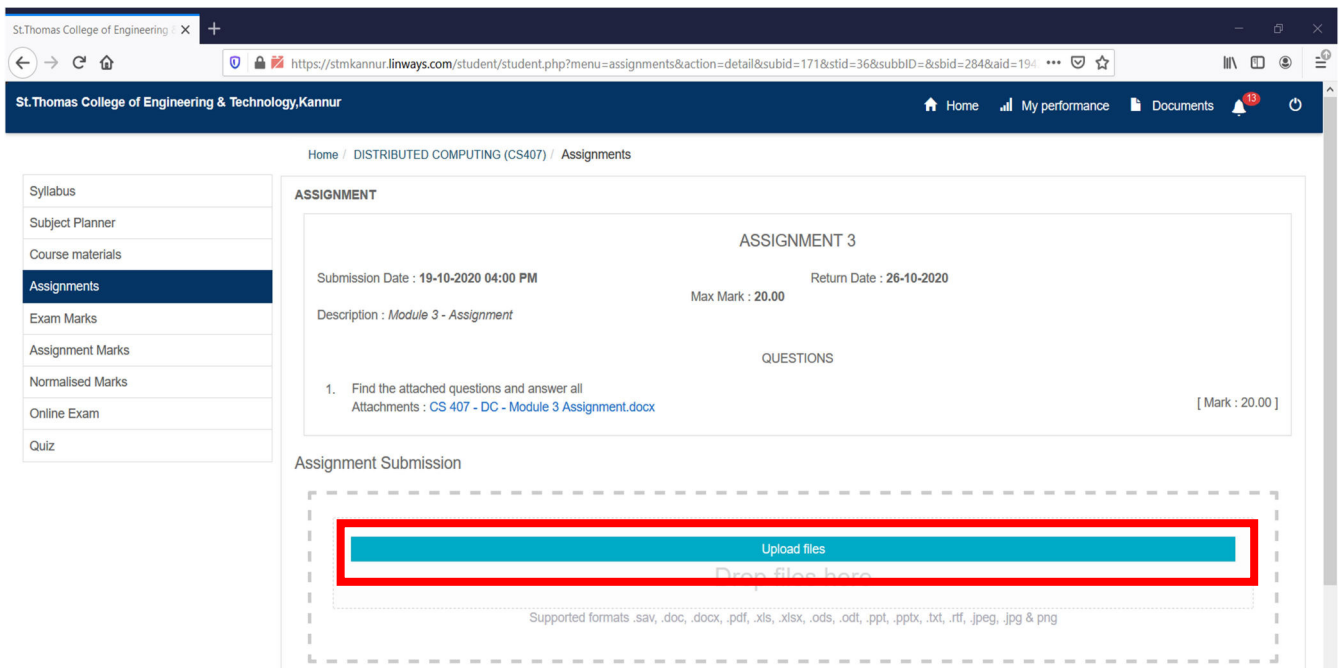
The screenshot shows the Linways student portal interface. On the left is a sidebar menu with options: Syllabus, Subject Planner, Course materials, Assignments (highlighted), Exam Marks, Assignment Marks, Normalised Marks, Online Exam, and Quiz. The main content area displays a table of assignments for the subject 'DISTRIBUTED COMPUTING (CS407)'. The table has columns for Sl.no, Subject, Assignment, Sub. Date, Sub. Time, Attachment, and Status. The fourth assignment is highlighted with a red box.

Sl.no	Subject	Assignment	Sub. Date	Sub. Time	Attachment	Status
1	CS407	<a href="#">Assignment</a>	September 18th 2020	04:25 PM		Submitted
2	CS407	<a href="#">Assignment</a>	September 30th 2020	05:00 PM		Submitted
3	CS407	<a href="#">Assignment</a>	October 5th 2020	03:00 PM		Submitted
4	CS407	<a href="#">Assignment</a>	October 19th 2020	04:00 PM		Pending

Powered by Linways Technologies Pvt. Ltd.

Product Version 3.3.0 ENTERPRISE

## Click Assignment



The screenshot shows the details of 'ASSIGNMENT 3' in the Linways student portal. The sidebar menu is the same as in the previous image. The main content area shows the assignment details: Submission Date (19-10-2020 04:00 PM), Return Date (26-10-2020), Max Mark (20.00), and Description (Module 3 - Assignment). Below this, there is a 'QUESTIONS' section with one question: 'Find the attached questions and answer all'. The attachments are 'CS 407 - DC - Module 3 Assignment.docx' with a mark of 20.00. At the bottom, there is an 'Assignment Submission' section with a red box highlighting the 'Upload files' button. Below the button, it says 'Supported formats .sav, .doc, .docx, .pdf, .xls, .xlsx, .ods, .odt, .ppt, .pptx, .txt, .rtf, .jpeg, .jpg & png'.

**ASSIGNMENT 3**

Submission Date : 19-10-2020 04:00 PM      Return Date : 26-10-2020  
Max Mark : 20.00

Description : Module 3 - Assignment

**QUESTIONS**

1. Find the attached questions and answer all  
Attachments : CS 407 - DC - Module 3 Assignment.docx [ Mark : 20.00 ]

**Assignment Submission**

[Upload files](#)

Supported formats .sav, .doc, .docx, .pdf, .xls, .xlsx, .ods, .odt, .ppt, .pptx, .txt, .rtf, .jpeg, .jpg & png

## →How to see your exam marks of respected subject?

St.Thomas College of Engineering & Technology, Kannur

Home / CRYPTOGRAPHY AND NETWORK SECURITY (CS409) / Exam Marks

Syllabus  
Subject Planner  
Course materials  
Assignments  
**Exam Marks**  
Assignment Marks  
Normalised Marks  
Online Exam  
Quiz

**EXAM MARKS**

Exam Name	Marks Obtained	Max Marks
SERIES EXAM 1	36	50

Powered by Linways Technologies Pvt. Ltd. Product Version :3.3.0 ENTERPRISE

## →How to access assignments mark?

St.Thomas College of Engineering & Technology, Kannur

Home / CRYPTOGRAPHY AND NETWORK SECURITY (CS409) / Assignment Marks

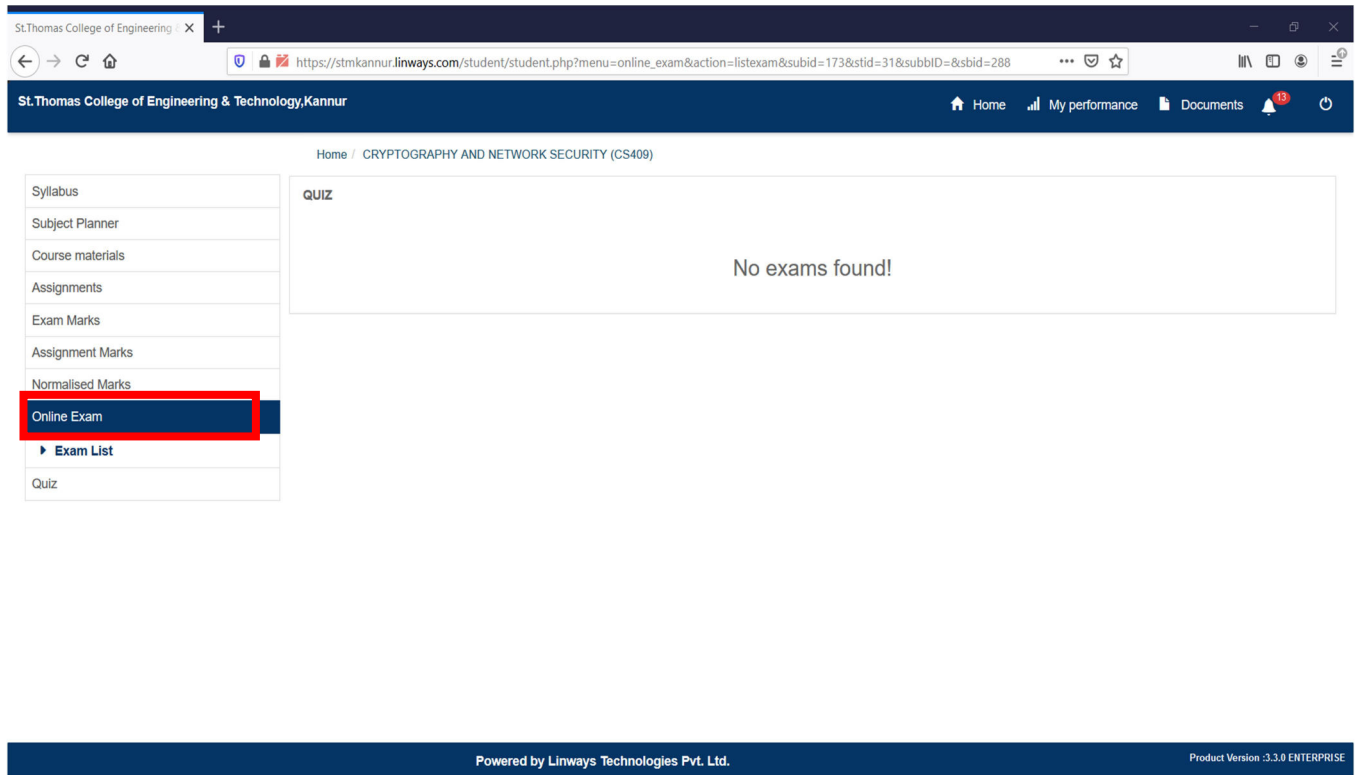
Syllabus  
Subject Planner  
Course materials  
Assignments  
**Assignment Marks**  
Exam Marks  
Normalised Marks  
Online Exam  
Quiz

**ASSIGNMENT MARKS**

Assignment No	Marks	Max Marks
Assignment 1	19	20.00

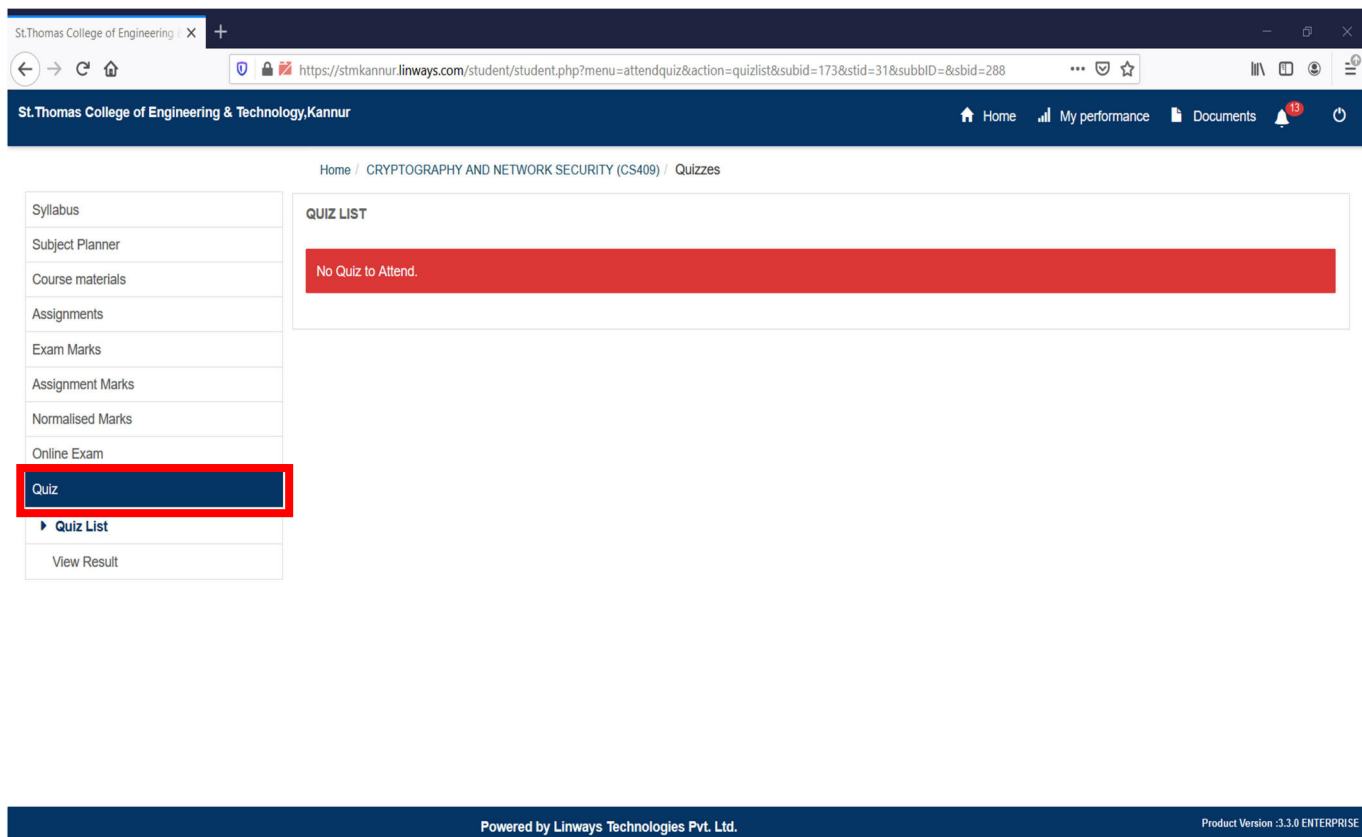
Powered by Linways Technologies Pvt. Ltd. Product Version :3.3.0 ENTERPRISE

## →How to access online exams?



The screenshot shows a web browser window with the URL [https://stmkannur.linways.com/student/student.php?menu=online\\_exam&action=listexam&subid=173&stid=31&subblD=&sbid=288](https://stmkannur.linways.com/student/student.php?menu=online_exam&action=listexam&subid=173&stid=31&subblD=&sbid=288). The page header displays "St.Thomas College of Engineering & Technology,Kannur" and navigation links for Home, My performance, Documents, and a notification bell. The breadcrumb trail is "Home / CRYPTOGRAPHY AND NETWORK SECURITY (CS409)". On the left sidebar, the "Online Exam" menu item is highlighted with a red box, and its sub-item "Exam List" is visible. The main content area, titled "QUIZ", displays the message "No exams found!". The footer indicates the system is "Powered by Linways Technologies Pvt. Ltd." and the "Product Version :3.3.0 ENTERPRISE".

## →How to access online quiz?



The screenshot shows a web browser window with the URL <https://stmkannur.linways.com/student/student.php?menu=attendquiz&action=quizlist&subid=173&stid=31&subblD=&sbid=288>. The page header displays "St.Thomas College of Engineering & Technology,Kannur" and navigation links for Home, My performance, Documents, and a notification bell. The breadcrumb trail is "Home / CRYPTOGRAPHY AND NETWORK SECURITY (CS409) / Quizzes". On the left sidebar, the "Quiz" menu item is highlighted with a red box, and its sub-item "Quiz List" is visible. The main content area, titled "QUIZ LIST", displays the message "No Quiz to Attend." in a red box. The footer indicates the system is "Powered by Linways Technologies Pvt. Ltd." and the "Product Version :3.3.0 ENTERPRISE".

## →How to access result of quiz?

### Quiz→View Result

The screenshot shows a web browser window with the URL [https://stmkannur.linways.com/student/student.php?menu=attendquiz&action=view\\_result&subid=173&stid=31&subbid=&sbid=288](https://stmkannur.linways.com/student/student.php?menu=attendquiz&action=view_result&subid=173&stid=31&subbid=&sbid=288). The page header identifies the user as 'St.Thomas College of Engineering & Technology, Kannur'. The main navigation bar includes links for Home, My performance, Documents, and a notification bell. The breadcrumb trail shows the path: Home / CRYPTOGRAPHY AND NETWORK SECURITY (CS409) / Quizzes. On the left sidebar, the 'Quiz' menu is expanded, and the 'View Result' option is highlighted with a red box. The main content area displays a 'QUIZ RESULT' section with a red banner stating 'No Quiz Results Available!!'. The footer contains the text 'Powered by Linways Technologies Pvt. Ltd.' and 'Product Version :3.3.0 ENTERPRISE'.

## DETAILED ATTENDANCE VIEW

### Click Attendance→

#### Sub options

- Attendance Percentage
- Date wise attendance
- Subject wise attendance report

St.Thomas College of Engineering & Technology, Kannur

Home My performance Documents 13

ATTENDANCE

Attendance Percentage: Hour-wise

From 17-08-2020 to 14-10-2020

Attended Hours	: 143
Total Hours	: 214
Attendance Percentage	: 66.82%

Profile Settings

Attendance

- View percentage
- View By Dates
- Subject Wise Report

Assignment Mark

Normalised Marks

My Performance

University Results

Hostel & Transport

Message box (20)

Grievance

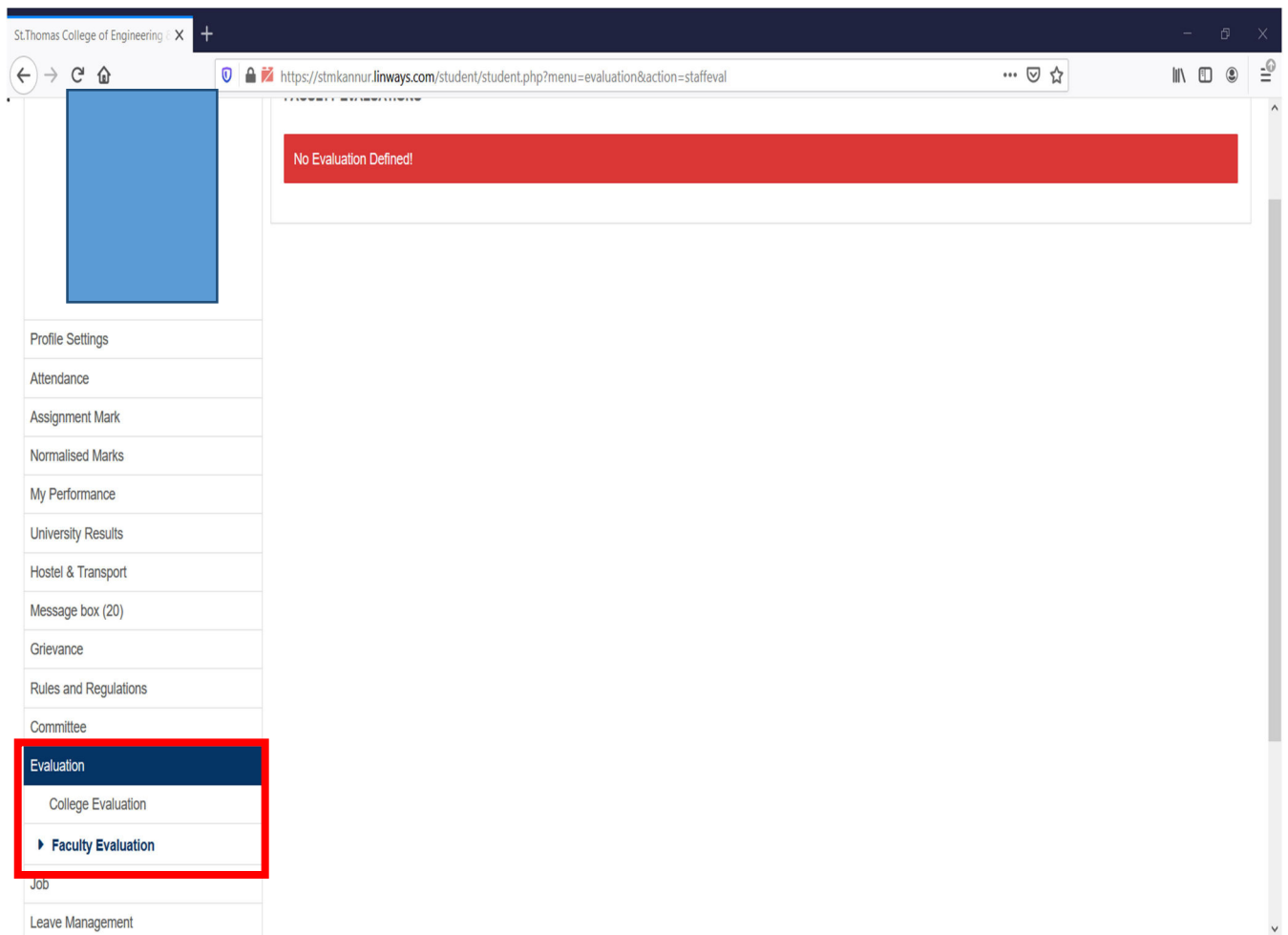
Rules and Regulations

## TEACHER'S EVALUATION

→ By this option you can give feedbacks about teachers

→ Evaluation → Faculty Evaluation





## IS THERE A PLACE TO TELL MY GRIEVANCE?

→ You can send your grievance to HOD or Principal.

Go to 'Grievance' option

St.Thomas College of Engineering & Technology, Kannur

Home My performance Documents

SEND MESSAGE

To: HOD

Subject:

Message:

Send Cancel

Profile Settings

Attendance

Assignment Mark

Normalised Marks

My Performance

University Results

Hostel & Transport

Message box (20)

Grievance

Send Messages

View Sent Messages

Rules and Regulations

Committee

## NOTIFICATIONS

→ Notification menu help you to access newly published course materials, assignments, exams, online quiz and any other published information by teachers or college.

St.Thomas College of Engineering & Technology, Kannur

Home My performance Documents

Notifications

New Assignment Published In CRYPTOGRAPHY AND NETWORK SECURITY in 5 hours

New Assignment Published In CRYPTOGRAPHY AND NETWORK SECURITY in 5 hours

A new video content titled has been added. 5 hours ago

A new video content titled has been added. a day ago

A new video content titled has been added. 2 days ago

See All

BATCH: CSE2017, S7

Calendar Timetable Subjects Attendance

Examinations Assignments Special events Holidays Multiple Events Quizzes

October 2020

Sun 27 Mon 28 Tue 29 Wed 30 Thu 1 Fri 2 Sat 3

CS401 CS407 Series Test 1 Gandhi Jayanthi

COMPUTER GRAPHICS +4 more

4 5 6 7 8 9 10

Holiday Series Test 1 Series Test 1 Second Saturday

COMPUTER SYSTEM ARCH CRYPTOGRAPHY AND NET CS431 CS431

+3 more +3 more

11 12 13 14 15 16 17

## Note:-

The above illustrated options are frequently used and very important to students. There are many other options and features available. You can try and find more.