GURUDEVA INSTITUTE OF SCIENCE AND TECHNOLOGY

GISAT
GENERATION WITH EXCELLENCE COMES FROM HERE...

Prospectus
www.gisat.in
About GISAT

The college started functioning during the academic year 2010-11. It is run by Sree Narayana Guru Trust constituted by the SNDP Yogam, Kottayam Union. The trust is committed to the objectives of promoting equality, fraternity and secularism based on the teachings of Sree Narayana Guru. Committed to charitable and social work in noble ways, ensuring the betterment of the marginalized sections of the society. The trust upholds the philosophy of ‘Progress Through Education’ and ‘Emancipation for all’, through it.

The SNG Trust keeps the words and deeds of the great philosopher and visionary, Sree Narayana Guru close to its bosom and domain of action while positioning the Gurudeva Institute of Science and Technology (GISAT) at Vennimala, Kottayam-11 as a seat of enlightenment and a platform to impart quality education in the technical arena, at an affordable expense.

GISAT, today boasts of a spacious campus, state-of-the-art infrastructure and an esteemed faculty of scholars trained at leading universities in India. It is located in a place which is depicted with several legends and in a beautiful landscape of 12 acres at Vennimala, about 10 km east of Kottayam town. The scenery of the surroundings creates an ideal atmosphere for learning and an eco-friendly environment for creative thinking as well as entertainment.
Principal

Dr. T. JUSTIN JOSE, Principal of Gurudeva Institute of Science And Technology (GISAT) was conferred Doctorate Degree in the specialization of Computer Science and Engineering from St.Peter’s University, Chennai. He graduated in BE – Computer Science and Engineering and completed his Post Graduation in Computer Science and Engineering with first class. He has over 16 years of experience in the field of academia. His commitment in the field of research is reflected in his contribution of more than 15 International Publications. His area of research includes the cloud computing, Image Processing and network security. He had convened numerous workshops/seminars/National and International conferences and is actively involved in the QIP and is the member of ISTE.

HEAD OF THE DEPARTMENTS

FACULTY MEMBERS

Highly rated and qualified faculty members are the asset of GISAT. They inspire and motivate the students in their chosen areas of study, apart from ensuring all around grooming and growth.

GISAT Affiliates to A. P. J. A.K. Kerala Technological University

A.PJ Abdul Kalam Kerala Technological University (a state government university) has come into existence on May 21, 2014 with an aim to give leadership to the technology related policy formulation and engineering planning for the state. It also emphaziss to improve the academic standards of the graduate, post graduate and research programmes in engineering science, technology and management and regulate the academic standards of all colleges affiliated to the University. The main thrust areas of the University are Research, Development and Innovation.

Courses Offered

B-Tech

Undergraduate Courses - BTech

Civil Engineering (Civil) – 60 Seats
Computer Science Engineering (CSE) – 60
Mechanical Engineering (ME) – 60
Electrical & Electronics Engineering (EEE) – 30
Electronics & Communication Engineering (EC) – 30

M-Tech

Postgraduate Courses - MTech

CSE - Cyber Security – 24
ECE - Communication Engineering – 24
Departement of **CIVIL ENGINEERING**

CE department was stated in the year 2010 with an annual intake of 60 students. The students are selected from the rank list of Kerala Engineering Entrance examinations conducted by the commissioner of entrance examinations, Government of Kerala [KEAM]. The experienced well qualified and dedicated faculty of the Department motivates and guides the students in their overall development. All the Laboratories are well equipped with the latest equipments.

Consultancy works and projects are also undertaken by the Department. In addition to the Central Library CE department has a separate department Library. The Department Library contains reference books, project report and seminar report etc. Faculty in charge controls the functionality of department Library.

Departement of **MECHANICAL ENGINEERING**

The Mechanical Engineering program provides a quality, well-rounded education that is based on imparting fundamental knowledge and skills in mathematics and pure science as well as engineering science and design.

ME graduates are uniquely suited to jobs in all traditional areas of mechanical engineering including mechanics, machine design, energy systems, fluid flow, heat transfer and thermodynamics. To ensure this, all students take the same fundamental courses, but then choose a series of technical electives geared towards their own interests or career objectives. Additional experience is gained through student design projects and voluntary participation in student clubs, honor societies, and design competitions. As an engineering professional you might be responsible for product design, testing, planning or profitable and high-quality production, or the management of the business.

Departement of **ELECTRICAL & ELECTRONICS ENGINEERING**

The Electrical and Electronics department of our institute offers undergraduate course in Electrical and Electronics Engineering which is one of the core branches of engineering. Our mission is to transform students into innovative engineers by providing them with quality education and to make them ready to face the competitive world.

The department has a strong faculty cell for providing quality education and has well equipped laboratories such as Electrical Machines laboratory, Electrical Measurements laboratory, Power Electronics and Drives laboratory, CAD Laboratory, Electrical workshop and Computer laboratory. When completing the course, the graduates will have fundamental and broad knowledge in electrical and electronics engineering which includes knowledge about various types of electrical machines, generation, transmission, control and utilization of power, power electronics, electrical and electronics circuits and digital electronics. Our department has a strong alumni strength many of whom are placed in well known companies both inside and outside the country. The pure dedication of faculties along with hard work of students helps us to achieve this.
Departement of

COMPUTER SCIENCE & ENGINEERING

The Computer Science and Engineering Department of Gurudeva Institute of Science and Technology focus on promoting excellence in Academics as well as extracurricular activities. The department, established in 2010 offers undergraduate and post graduate programmes in Computer Science.

The students are acquainted with Automata theory, compiler construction, programming languages, database management systems, data structures, computer networks, operating systems, software engineering, object oriented programming, computer graphics, algorithms, artificial intelligence are some of the main streams of studies offered by the department. Department plays a vital role to bring up students with knowledge in Computer Science & Engineering by offering short term/add-on courses apart from the courses in the curriculum. To broaden their knowledge in the emerging technologies, the department frequently conducts seminars and expert talks with the support of experienced resource persons from the industry.

M. Tech program in Cyber Security is the body of technologies, processes and practices designed to protect networks, computers, programs and data from attack provides a good blend of necessary theoretical background, analytical methods and management practices in the field of Cyber Security It aims at groom the students into an Information Security professional.

Departement of

ELECTRONICS & COMMUNICATION ENGINEERING

The fully fledged Electronics & Communication Engineering Department provides ample opportunities to budding engineers of tomorrow, to quench their thirst for acquiring knowledge and developing ingenuity.

The four year B-TECH program structure comprises foundation classes, core disciplines, elective core disciplines, skill development and practical session. The department is guided by a team of devoted and diligent faculty members. The laboratories are provided with the most and updated modern equipments, under the supervision of qualified technical support staff. Trained professionals on this stream have career opportunities in the growing areas of Telecommunication engineering, Satellite Communication, TV Industries, Power Sectors, Music Industries, Microelectronics development and also in defence laboratories.

M. Tech program in Communication Engg

The current era is witnessing technological explosions and its magnitude in the field of communications is especially high. Keeping the current trends and advancements in technology, we have started a Post Graduate Program in Communication Engineering with an annual intake of 24 students, established in the year 2014 and the curriculum falls in line with the demands of industry.
Admission Procedures
Transparent and totally merit-based admission policy
* 50% seats Merit & 50% seats management in every branch.
Management seats admission booking started for the year 2019.
Please contact the administrative office for details and prospectus.
Ph: 9207173888, 9207673888, 0481-2354800
Email: gisatonline@gmail.com

Fee Structure

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<th>Particulars</th>
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<td>Tuition Fee (Per semester)</td>
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<td>CE</td>
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Lateral Entry

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M.Tech

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<tr>
<th>Particulars</th>
<th>CSE (Cyber Security)</th>
<th>ECE (Communication Engg.)</th>
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<td>Tuition Fee (Per semester)</td>
<td>25,000</td>
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Caution Deposit (Refundable): 10,000/-

KTU Administration Fee, Admn. Fee, PTA, Insurance, Placement Training, Internet, Examination fee, Uniform & Bus Fees etc. are also applicable.

GISAT Scholarships

Students admitted with State Entrance Rank less than 25000 and toppers with excellent grade in plus two are considered for scholarship in slab-wise.

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<th>Eligibility</th>
<th>Scholarship Details</th>
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<td>KEAM Rank upto 10000</td>
<td>*Tuition Fee full Scholarship</td>
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<td>PLUS TWO PCM Marks</td>
<td>OR</td>
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<td>STATE</td>
<td>Above 93%</td>
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<tr>
<td>CBSE</td>
<td>Above 90%</td>
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| KEAM Rank between 10001-15000 | OR |
| PLUS TWO PCM Marks          |   |
| STATE                        | 88 to 92% |
| CBSE                         | 85 to 89% |

| KEAM Rank between 15001-25000| OR |
| PLUS TWO PCM Marks           |   |
| STATE                        | 80 to 87% |
| CBSE                         | 80 to 84% |

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<th>PLUS TWO PCM Marks</th>
<th>75 to 79%</th>
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*Other fees are applicable to scholarship students also.

M.Tech

Special Scholarship for GISAT pass out students – Tuition fee 20,000/- per semester

Other Scholarships

Students from financially backward category will be given ‘Special Scholarships’ subject to Management’s decision.
GISAT - Uniqueness

Consistent Good Results with University Ranks

4th Position in KTU First year Results

GISAT secured 4th position in recently published KTU results of 1st year, among all engineering colleges in nearby districts – Kottayam, Pathanamthitta, Idukki, Alapuzha. From the 1st Batch itself GISAT continually maintains an excellent record of result. We are always listed among the top new generation colleges in University Results for every semester. Last year, we got 100% pass in many subjects. We got 90% in CE, 69% in ECE, 79% in CSE and overall 65% in S7 results of MGU, November 2017. Our student, Printu Prakash, B.Tech Mechanical Engineering has secured a total marks of 10 out of 10 in S3 Exam Dec 2018. College believes in keeping a proactive approach for the overall development of the institution through Excellent Results. It has an excellent academic coordination methodology which has been producing excellent results in terms of students pass percentage and university ranks.

Mentoring System

Another unique feature of GISAT is the mentoring system where each teacher is assigned a small group of student wards. During their four years’ journey through the under graduate engineering programme students often need mentoring, guidance and counselling from a loving elderly figure. The interactions between them help the mentors to have a comprehensive record of their activities, academic co-curricular achievements and problems. The practice is aimed at fostering a better rapport between the students and the teachers at a personal level. Students are guided regarding their career options.

Faculty members are on full-time employment as Professors, and Asst. Professors and Lecturers and they are readily available for consultation for students. Digital tools help in development of personality, as they make it possible for the students to interact with the teachers and others on a deeper level. The entire focus of education is on instilling qualities of self-reliance, self-confidence and self-esteem in the students.

Additional Skill Development Programmes

Educating and skilling the youths to enable them to get employment is our task. Due to the fact that organisations operate in an increasingly competitive environment, it results in a need for continuous employee skill development. Agreeing to the fact that there is a need to provide skill training even to the Engineering students, GISAT offers Additional Skill Development Programmes in association with leading computer centres & other institutions.

To make students more industry ready, we impart great importance to internships, industry visits, and labs and workshops.
CAMPUS — A Glance

Ladies hostel
Hostel facilities for girls & boys are provided in a high level. Premium finished ladies hostel has started in the campus. Those candidates seeking admission in to the hostels have to submit separate application at the college office. Hostel accommodation will be allotted to deserving candidates on first come first served basis.

Central Library
The pride of the institution is the central library which caters to the instable knowledge thirst of the voracious readers. The basic aim of a library is to collect, organize, store, retrieve and disseminate information to its users expeditiously and pin pointedly. The main objective of GISAT central library is to serve the academic needs of all students and faculty members. As a center for information repository a good collection of books & journals in S & T are acquired, organized and disseminated for the purpose of study and teaching. The GISAT Central Library has an area of 525 sq.m and it has a seating capacity of 150 client. Library has a growing collection of 11806 volumes and 2437 titles. Dewey Decimal Classification Scheme is used to organize subjects. Anglo-American Cataloguing Rules are used for creating book database in GRANTHA Software. Automatic circulation system is used in the library. A good collection of CD-ROMs are maintained as part of the digital library and a good number of National & International journals are available in GISAT Library. Internet browsing facility is provided for students and faculty members. Number of full-text E-Journals are available in library through IEEE, DELNET, ASTM, ELSEVIER, SCIENCE DIRECT etc. Printing & Reprographic services are also provided in GISAT central library.

Placement & Training
Gurudeva Institute of science and technology (GISAT) gives a lot of emphasis to the training and placement requirements of the student community. There are many training programs that are schemed to groom the students according to meet the requirements of the industry. During the semesters specific time dedicated for co-curricular activities with a special focus to placement oriented training aimed at the overall development of the students. The placement activities are aligned to meet the current challenges and the emerging market scenarios. All the students are made to go through a series of aptitude training, analytical quantitative, logical and reasoning training and soft skill enhancement training programs during their course.

Our Recruiters
Transportation Facility

A fleet of buses are plying from far flung areas of Kottayam and nearby districts for the convenience of students. Transportation facility is provided to students and staff. More than 10 bus services are arranged from the college to various places. At present, the destinations include:

- Thiruvalla, Changanacherry, Ponkunnam, Pallickathodu, Kottayam, Bundroad, Kumarakom, Mannanam, Athirampuzha, Ettumanoor, Kidangoor, Manarcad, Puthupally, Ayarkunnam, Manimala, Pampady, Kurichi, Mallappally, Karukachal, Pala, Kaduthuruthy, Kuruppanthara, Muttuchira, Kanakkary

It is intended to supplement the fleet this year to cover more destinations.

Canteen & Cafetaria

The College has a spacious and furnished canteen. It functions on all working days of the college and also caters to the needs of the students. Snacks, cool drinks, ice creams, vegetarian and non-vegetarian food items are available for students, staff and visitors. Food is being served to students at a concessional rate. The Canteen is leased to private entrepreneurs on an annual contract basis. Its functioning is supervised by a committee consisting of teachers. The canteen has always been the cynosure and breathing space for friend circles to perk up during breaks.

A Cafetaria is also functioning near Mechanical Engg Block.

Reprographic Centers

Reprography has become an indispensable part of information storage and retrieval systems. The College Reprographics Units have friendly teams of people who will help the students with all printing, photocopying, Spiral binding and finishing requirements to a high standard. As the nature of the work is largely academic, the photo copying charges are fixed at a nominal rate which is just enough to support the operational costs.

GISAT Stationery Store

A stationery shop is functioning in the college campus, from where students can purchase all stationery items for their day to day requirement at affordable price. Almost all items required by the students and staff are available in the GISAT store. The benefits of store include availability of low-priced stationery at the doorsteps of students. Apart from a price, it ensures hassle-free availability.
Co-Curricular & Extra Curricular Activities

Technical Exhibitions

A group of young intelligentsia who were joined from streams of Engineering, joining their hands together to craft and script a new Era. Two days filled with Excitement, Interest and Entertainment for the ever too hardworking Engineers.

Every year the premises of the College is set for students participating from various universities and colleges to showcase practical ideas and solutions in competitive events. The campus is filled with vigor and competitiveness.

GISAT IEDC

The innovation and entrepreneurship development centre (IEDC) is the epi centre of all the startup related activities in the college. The IEDC established in the year 2013 has been recognized by Kerala Startup Mission and has been receiving financial and technical support for the all it’s activities. Students can use the mini incubation centre set up in the college to develop their own ideas. Students have received funding from Kerala Startup Mission for their ideas and a good number of students are closely working with public sector companies for developing their product.

Cultural Fest – Aarav

The Techno-Cultural Extravaganza of the College which is situated on Rubber Town of Kerala, which is spanning over 2 days. It is one of the best college fests organised in the Engineering Colleges. Aarav has had a benign response from various prestigious colleges across Kerala.

Days that bring you out of the books and technical world and encourages you to participate in some co-curricular and extra co-curricular activities. Time to follow the interest with passion and come up, open up the minds and let the air enthral everyone.

The variety of events range from fashion show to management competitions; from street plays to games. Events that serve the purpose of talent and fun are best served in Aarav.
Social Service Activities

The motto of NSS is ‘NOT ME, BUT YOU’ reflects the essence of democratic living and upholds the need for selfless service. In this perspective the NSS Tech Cell of our college has actively engaged in various programs in and around the campus. It aims at organizing festival celebrations, Blood donation camps, distribution of clothes, books and a health survey in association with the Inter University Center For Biomedical Research Centre, Thalappady.

The name “PUNARJJANI” project means “RE-BIRTH”. As the name indicates, it has led to the rebirth of the damaged furniture and equipments in various hospitals; which depicts the meaning of rebirth; a new life of hope. Also the organization had taken an initial step for growing bio-vegetables in our campus.

Home is nothing but two arms holding you tight when you are at your worst, and the emerging tomorrows of our unit, the volunteers came across with a project called “HOME FOR HOMELESS”. NSS unit is acting as a catalyst to build up awakening future and they proved it by adopting a village named “kochumatto” which is 1 km away from vennimala hills.

Above all the NSS unit brings out the voluntary work among students and still continuing its services for social transformation and upliftment.

P.T.A

Parent Teacher Association is truly enriching the students academic performance as well as shaping their all round development. The PTA continues to be the strong pillar and support for the smooth functioning of the college. Along with the teachers and management they focus on the integral part of the institution with untiring efforts in attaining the vision and mission for which the college stands for.

Alumni

To foster a lifelong intellectual and emotional connection between the college and its graduates and to serve as a link between the institutions faculty, students, management and the industries; ALUMINI ASSOCIATION is constituted. It enhances industry academic collaboration and communications including public relations.
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Approved by AICTE and affiliated to
APJ Abdul Kalam Technological University
Vennimala, Payyappady P. O.,
Puthuppally, Kottayam-686 011
Tel: 0481-2354800, 2568913.
Fax: 0481-2354620
Mob.: 9446349099, 9946464172.
E-mail: gisatonline@gmail.com.
Website: www.gisat.in