

SONIC VIEW

2018 -2019



**BHAI GURDAS INSTITUTE
OF ENGINEERING AND
TECHNOLOGY
SANGRUR**

ABOUT INSTITUTE



Bhai Gurdas Institute of Engineering and Technology, committed to the cause of skilled and quality education at par with Global Standards, appeared on the academic front in 2002. Bhai Gurdas Group has the credit of establishing the first private engineering college in Punjab.

The Group has successfully been running seventeen institutions in various districts of Punjab. Bhai Gurdas Group has been established with the objective of providing high-quality education in Engineering, Technology, Management, and medical sciences. This year the group has introduced one more institute of Technology. This is an I.K.G. Punjab Technical University affiliated and AICTE approved institution.

The ultimate aim of the Institution is to create a better nation by creating better citizens. Bhai Gurdas Group of Institutes believes in the overall growth of its students, that they remain united with their human ways of living.

CHAIRMAN DESK



Bhai Gurdas Group of institutions is one of the foremost educational groups in North India. We deem that creating an academic foundation for societal, educational, scientific, economic and technological development in our Nation can establish into Global perspectives. We endeavour at establishing bench marks in academic excellence and holistic grooming to assist our students to meet the career challenges in the increasingly globalised economic conditions. Thus, BGGI has earned goodwill by our students and society at large.

BGIET is dedicated to foster in its students, the pursuits of individual fineness and participate in full range of scholastic, spiritual, cultural, social and physical activities, and to make them evolve as all-rounder. Education is the basis for all future possibilities in the life of a student. Also, quality education is a passport to its steep rise in life and creates practical avenues to attain financial gains. It provides golden opportunities to lead a life of decorum & affluence.

I am extremely pleased to welcome you all to being a part of our BGGI family. I pray to the Almighty to bless you with a great future. I assure you that the institute will provide you the apt launching pad to fly high motivated by great leadership and inspiring faculty me.

Our team of committed and highly qualified faculty strives to broaden the students horizon of learning, thereby helping every student to experience success with high grades. We take exceptional care that our ideas are not merely discussed but executed.

Dr. Guninderjit Singh Jawandha
Chairman, Colleges Bhai Gurdas Group of Institutions, Sangrur

DIRECTOR DESK



Bhai Gurdas Institute of Engineering and Technology established in the year 2002, is a leading engineering institute of Punjab and north India. We are proud that this institution has consistently maintained its tradition of excellence in the field of technical education till date. We have a mission to serve the humanity by providing quality technical education to students and transforming them into employable managers, technocrats, bureaucrats and above all good citizens of India.

After 14 years of service, we feel proud that thousands of our students have established their identity in industries, government organizations, trans-national companies and universities in different capacities, functional areas, countries and work environments through their technical knowledge and skill that they have been infused with during their tenure in BGIET. In today's competitive global scenario, it is essential to inculcate research culture and habits amongst students and faculty. Apart from academics other activities like sports, cultural, extracurricular and social are equally important to boost their confidence, improve communication/presentation skill, build team spirit, inculcate sportsmanship, leadership quality and decision making ability. In tune with our Institute's Vision and Mission our commitment is to develop human beings who are technologically superior having social concern.

Dr. Tanuja Srivastava
Director

Bhai Gurdas Institute of Engineering & Technology

MESSAGES FROM HOD'S

ELECTRICAL ENGINEERING



Electrical Energy is only form of the energy which transmits over distance. Electrical Engineering is one of the oldest branch and is the base for many of technological streams. We cannot assume our life without electricity. Electrical Engineers can work with Government sectors, private companies, as consulting engineers or as entrepreneur in the field of research, design, projects, production, maintenance and testing etc.

Requirement of Energy audit, renewable energy sources, smart systems, automation etc has open up new exciting careers for electrical engineers. will constantly interact with scholars from industry , research organizations and academia to produce globally competent and locally relevant engineering graduate. Above these, department will nurture human values, sense of responsibility and ethics for all stake holders.

Objective of Electrical Engineering Department, Faculty of Technology is to prepare graduates as per industrial and societal needs. Graduates of the department will be skilled to work with latest technology including Microcontrollers, Power Electronics, Renewable, modern computer tools etc. To achieve this goal, the department has team of highly qualified, committed and self motivated learners who will nurture the career of young and enthusiastic students as teacher, guide and mentor. Laboratories are equipped with equipments that are in line with current industrial trends. Teaching -learning process is well defined and is student centric.

Dr. Sushil Kakkar
Associate Professor & H.O.D

ELECTRONICS & COMMUNICATION ENGINEERING

Welcome to the Department of Electronics and Communication Engineering. Electronics & Communication Engineering converts the concepts of basic sciences into real time applications. Electronics Engineers play pivotal roles in various necessities of today's technology based life like computer, internet, satellite, mobile phones, robotics, aerospace security systems.

BGIET provides graduate and post graduate degrees in Electronics & Communication Engineering. ECE department at BGIET has well equipped Labs of Microprocessor & Micro-controller,



Digital Signal Processing, Microwave, Electronics Devices, Digital Electronics, VLSI, Linear Integrated Circuits etc, and all the classrooms are having LCD projectors. Faculty of this department is very dedicated, around 60% faculty are on the completion of their Ph.D's. Students of this department always achieve university positions. Final year students have designed very sophisticated projects which are useful in industries.

Teaching strategies adopted by the faculty are in such a way that the students are having all the necessary basic skills of a competent electronics engineer when he completes his course. About 80% students are placed in renowned companies like TCS, Infosys, Ericsson, Google and many more.

Er. Naveen Goyal
Assistant Professor & H.O.D.

DEPARTMENT OF FOOD & TECHNOLOGY



The department was set up in 2014 to cater to the ever growing demand for food technology professionals . The Food Technology Department is one of the best among Bhai Gurdas Group of Institutions (BGGI) it offers 4 - year Bachelor of Technology course to the students which is backed by its talented faculty . It also offers lateral entry to the diploma passed students to be admitted to 2nd year of its 4 - year B. Tech course . At BGIET Food Technology department , we aspire for excellence in teaching and education to meet the shortfall of such skilled manpower in the food processing sector .

The department also plans frequent visits to food processing plants to show the students various processing and preservation techniques currently in use in the industries. The faculty has developed excellent infrastructure in the laboratories to provide practical knowledge to its students and has strong collaboration with several industries and organizations for internship and placement purposes. We believe that our efforts will make significant contributions towards offering solutions to food security and environmental sustainability . It is our endeavor to provide our students with the most modern education in the world.

Dr. Raj Kumar
H.O.D

COMPUTER SCIENCE ENGINEERING



Department of Computer Science & Engineering commits to work towards developing Engineers with a rich blend of competent, technical, social skills and contribute to nation building .Department places emphasis on all the important aspects of computers such as Computer Networks, Mobile Communication, Algorithm

Department takes the initiative to improve the soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently. To meet the objectives, department pays special emphasis on teaching and hands on practical work. Students exhibit their innovative ideas, skills and potentials as final year projects and have won many awards at University level.

The excellent infrastructure, experienced team of faculty dedicates to strengthen effective teaching learning process ensuring quality education.

We believe that this approach to teaching-learning, coupled with practical experience gained during Industrial Training equips our students to handle the challenges posed by the IT industry. Students of Computer Science and Engineering are placed with top IT companies.

We as a team resolve to take the Department to heights of success and glory and prepare for the forthcoming challenges.

Dr. Arun Kumar Singh
Professor & H.O.D

MASTER OF BUSINESS ADMINSTRATOR DEPARTMENT



Welcome you all to the Department of Management Studies at BGIET. The disruptive power of technology is very much evident with the ushering in fourth industrial revolution. It is important that the future generation of leaders should have adequate appreciation of technology. The future businesses are mostly technology enabled or built around emerging technologies. To handle the challenges of an ambitious global career, MBA professionals need self-confidence, strong character and a multi-dimensional personality.

Our department has evolved itself with such a pedagogy that enables the students to be future ready with all the required skill set. We follow a comprehensive teaching, learning pedagogy including case based teaching, project based learning, business games, simulation exercise, experiential learning, expert talks from industry and academia, various certificate courses like: AI for business, Logistics and supply chain Management, grooming modules, Finance Lab, etc. Our aim is to chisel the best out of budding managers and business leaders to make them ready for the challenging business environment. On our part we can assure you of our wholehearted support whenever and whatever desired. Together we have a great future.

Mrs. Geetika
Assistant Professor & H.O.D.

INFRASTRUCTURE



Induction Program





BGIET hosted the Induction Program, a unique fusion of specially engineered academic and non-academic activities, to nurture, mould and fortify engineering entrants for the days to come. Total 500 entrants from Civil, Computer, Electronics, Electrical, Mechanical, and Production branches of engineering participated enthusiastically and obtained benefit from the program. They were provided the cursory view of various dimensions of engineering and the career opportunities in the field and the systems and procedures of the BGIET to ease their transition to the core engineering program. They were enlightened about the prospective scope of the arena that they had opted for their success. The BGIET committee for Induction programme invited experts from different leading industries and esteemed institutions to interact with the entrants and brief the learners with their expertise in various fields. Along with expert talks, the students were exposed to village visit and industrial visits for catering their social as well as technical side of learning.

NSS Camp for plantation



Respected Chairman sir Dr. Guninderjit singh Jawandha , Madam Baljinder Kaur

Planting trees is the ideal approach to support nature. It additionally helps other living species, including people, in many ways. Trees give us oxygen, food, shelter, and many more. They are natural air filters and noise safeguards. Trees are the earth's life supportive network. They support and are essential for life on earth. Aside from giving oxygen, trees additionally work as common safeguards of noise pollution. The forests do develop naturally. Be that as it may, today, forests are chopped down at a rate more noteworthy than they could develop. This causes a sort of irregularity, wherein relatively few trees are left to meet our oxygen supply and different requirements. Trees are a source of shelter and nourishment for many species, reptiles, and birds. Any place a tree is planted it gives another lease of life to these species. Trees additionally cause rain and prevent floods. BGIET inspires students and staff to plant more and more saplings so that they can easily make One of the recognized purposes behind tree plantation is forestry. Hon'ble Chairman Sir, DR.GUNINDERJIT SINGH inspires and encourages all students and staff to take care of the environment by planting more and more trees. Tree plantation is one of the most important and ecofriendly activities all over the world which is taking place. BGIET believes in eco-friendly activities and it promotes tree plantation and the benefits of planting Trees and maintain an eco-friendly campus.

Teacher's Day



Teachers day celebrated in BGIET

It was an auspicious day for students, to celebrate Teachers' Day. "Teacher" is defined as a Motivational candle of student's life. By this view BGIET, organized teacher's day on 5th Sept 2019 at BGIET campus. On this occasion students conducted lectures on various subjects like computer organization, OOPS, DEL and soft Skills in the respective classes. Teachers' day celebration began at 2.00 pm, as the students presented gifts, as a token of respect. HOD CSE and Respected faculty members inaugurated the program by lightening the lamp. Dr.Tanuja Srivastwa Director of BGIET also graced the event by visiting the department and shared her views and motivated students in building their career. Hence forth Dr.Tanuja Srivastva guided students and gave the overview of Dr. Sarvapalli Radhakrishnan, also gave the importance of teacher in every student's life. One of the students described the meaning of teacher by giving a nice poem on "Pandhari" on this special occasion.

Students continued the activity by organizing a drawing competition for all faculty members by the theme of the imagination of individuals within 5 minutes of span of time. Later on students made faculty members to explain the drawing of the individuals by this students made faculties to remember their school days.

Student of EE shared his views about importance of teacher in life and the way how they mould the student's life in building once carrier. Also Students performed Skit, Dance and Song on this special occasion which created a good environment for students and faculty members. The event concluded by the musical performance by students of different branches. Hence, program was successful and entertaining, in disciplined manne

FRESHER'S DAY CELEBRATION



BGIET welcome the fresher student in th college and faculty members motivated them to study well and enjoy their time in BGIET



SPORTS





Sports are an essential part of our lives. For the all-round development of our personality, we must take up a sport and follow it, without a break. To make students aware of the need to play various sports, colleges have a compulsory subject on sports and physical education. Our institute organized this year's sports day on 15th and 16th of October 2021. The responsibility of the sports day was taken by the sports teacher, the cricket and football coach of our institute team, and the student's organization. The preparations for the sports day began 2 weeks before the actual event.

The organizing committee prepared the list sports and games that will be played, the number categories and number of prizes in each category, and took the permission from our Director for it. The sports ground of the college was cleaned and decorated for the sports day. The former students of the college, who are very successful sportspersons now, were invited for the inauguration. On sports day Dr. Tanuja Srivastava, Director of BGIET, Sangrur encouraged students to take part in games and motivated them to live a healthy life.

CULTURAL EVENTS

BGIET has organised an cultural festival as to connect with culture gives us pleaseure and an important role in a College days are among the best days of our life — the friends we make, the time we spend hanging out in the canteen, sharing everything from class notes to class gossip and full of exciting events. During which a student learns new things and comes across several experiences.

College festivals offer a chance to do all this and much more to a fresher who is willing to hop on to the festival bandwagon. Every student should experience this organization process at least once during the course of their undergraduate studies. It instills the importance of originality and individuality that are the most vital aspects of engineering. In fact you have to say that the importance of Technical and Cultural Events in college equals the importance of education.d



Culture makes people understand each other better, so to make students aware about each other 's Culture BGIET solemnized culture Programme.





Festivals are an essential part of our lives as the greatness of a culture can be found in its festivals, BGIET celebrated lohri the folk festival of Punjab and campus Director Dr. Tanuja Srivastva along with Madam Baljinder kaur wished all the faculty members and students and encourage them to work more energetically. BGIET in pursuit of supporting Rural Education. A three day School principal' s training workshop inaugurated today at BGIET campus with SCERT and DEO. Program addressed various key issues such as library Langer, Uddan Project and Spoken English Training. Dr Guninderjit Singh Jawandha Chairman, BGIET

ENGINEER'S DAY



BGIET College of engineering celebrated Engineer's Day on 15-09-2019 organized by department of computer science and engineering. The Engineering Community across India is celebrating Engineers Day on 15 September every year as a remarkable tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya (popularly known as Sir MV). He is held in high regard as a pre-eminent engineer of India. "Role of Engineers in developing India" was the theme of the event. This event is planned to create awareness to students and faculties on Role of engineers in the development of our Nation. . On this day Dr. Gupta, HOD, Aeronautical Department, MVJCE gave a lecture on "Role of Engineers in developing India". Around 500 students and faculty members from various departments have participated.

HOLI CELEBRATIONS



Colours are what make us feel alive . BGIET added more colours to students life by celebrating holi in campus.

Festival of colors was observed in BGIET Sangrur, BGIET celebrated the fiesta with students of Nepal, Bengal Sudan, Kashmir and others at the campus. The faculty of BGIET played holi with students and wished them happiness and success.

OUTDOOR WORKSHOP



As the proverb goes “ The Logic Can Take You From A To B , But Imagination Can Take You Anywhere” it perfectly corroborates to the magnificent creations of civil engineering which have been built by the admirers of Civil Engineering following their creative insight. No other branch of engineering is much more creative and ingenious as Civil Engineering is, so in order to cater the creative minds of civil engineering students and to make them abreast with the practical side of their coursework, a site visit to Construction Mussorie, was organised by the Civil Engineering Department of BGIET , Sangrur



The Alumni Association of BGIET organized "ALUMNI MEET on 4th dec 2021- a programme to facilitate, consolidate and coordinate Alumni Activities at conference Hall .The alumni meet is to reconnect with the Alumni and celebrate their success and various achievements. The Alumni started arriving in institute by 9.00 a.m. and they were received by the registration team and they have been asked to fill the registration form. The Alumni Meet started with a welcome address by the alumni association president. The meeting was graced by the chairman Dr.Guninderjit singh jawandha . Alumni also interacted with the students and gave motivational talk regarding preparing for higher studies and placements. Students asked many questions regarding placements and the alumni shared their view. Alumni association secretary thanked the various organizers alumni members of the event. He also thanked the management of BGIET for the support and guidance which has made Alumni Meet 2021 a grand succes

International Women Day Celebration



Bhai Gurdas Institute of Engineering & Technology organized the International women's Day on the theme of "BREAK THE BIAS" in association with art of living. This event was organized at the premises of Bhai Gurdas Group of Institutions, Sangrur. A Medical camp was also organized for general checkups of students and faculty members. In this event special guest Mr. Rajesh Jindal, Expert (Art of Living) inspired students and faculty members to live a life full of positivity and cheerfulness. In his motivational speech motivated why women should be treated equally without any bias or prejudice and asked them to excel themselves in their interest. However, he said today women's have reached the moon and plays a vital role in shining the image of city, state & country. On March 8, Women's Day is commemorated to honour women of all ages and races in a world where they can live freely and up to their own terms. Sardarni Baljinder Kaur Jawandha, Secretary BGIET and Dr. Tanuja Srivastava, Campus Director

NSS Camp



Industrial visit



Extra Curricular Events



FRESHER'S PARTY



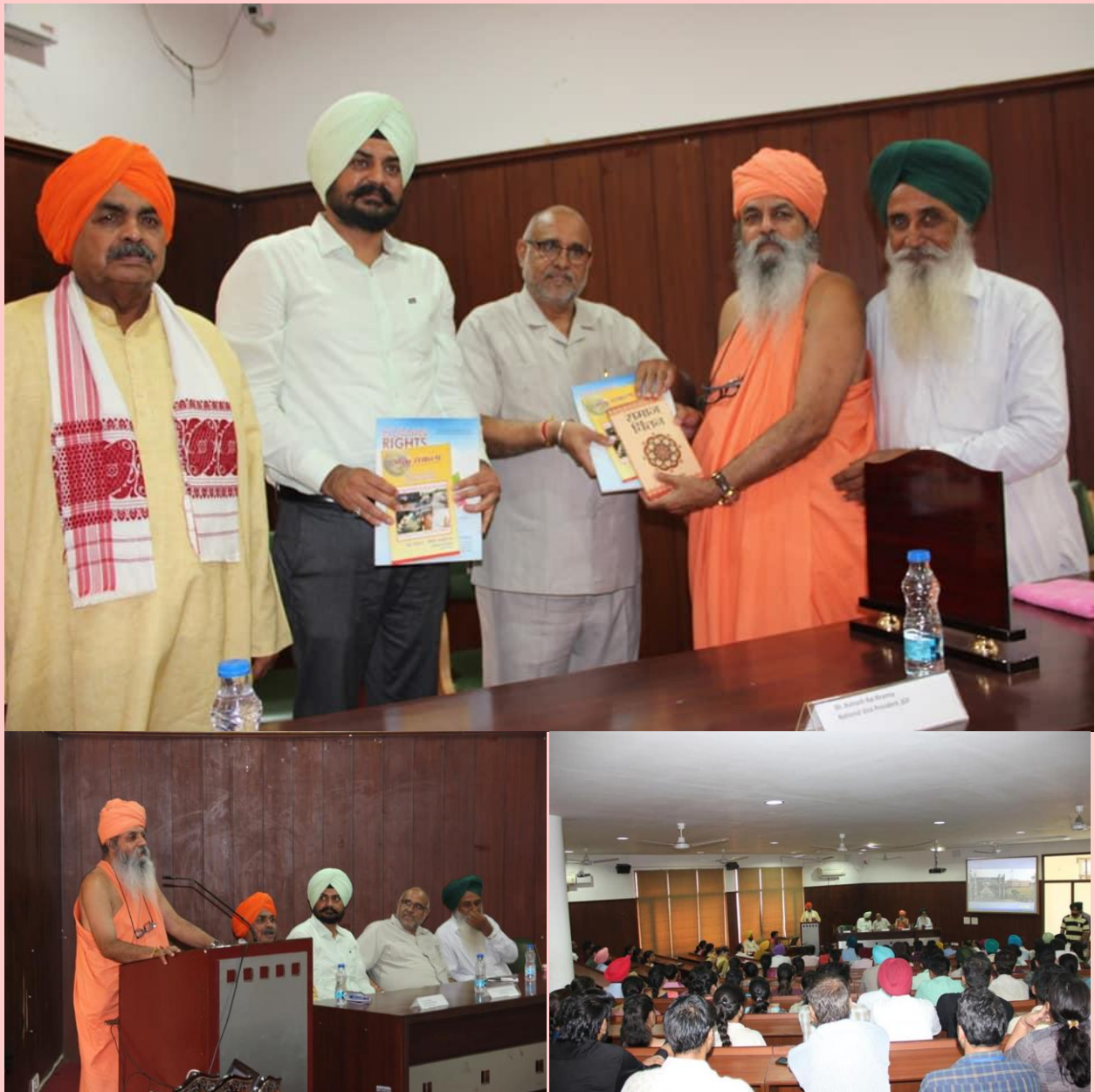
BGIET remind the freshers to study as well as make friends by celebrating freshers's party.

International Conference



We are feeling pleased to announce that Bhai Gurdas Institute of Engineering and Technology, Sangrur is organizing 9th International Conference on Advancements in Engineering and Technology going to release the proceeding during this occasion. This conference focuses on bringing out together leading academicians, researchers, scholars and students to share as well as exchange their researches, experiences and knowledge on the aspects of innovations in Engineering and Technology. For past twenty years BGIET has been rendering quality service in the field of engineering education by providing the right team of well qualified staff and excellent Infrastructure facilities. Our institution is committed to provide integrative quality education and create efficient professionals at graduate and post graduate levels. With a pledge to create technical graduates with our excellent teaching and research environment, we are heading towards highly competitive world of technology successfully. This conference was inspiring, encouraged, energize, and motivate the young scholars. The organizers wished all delegates and researchers the best of luck for their deliberations in the confere

Seminar's



BGIET organized Parents awareness programme.



Farewell Party



The Farewell party was organized in BGIET in the auditorium where students of institute Bid farewell to the outgoing students of BGIET with great enthusiasm! The function began with the welcome speech of Dr .Pawan Kumar Sharma.Students of, current batch, presented very interesting skits, group dance and Solo singing performances which entertained the audience to the fullest. A melodious Qawali, was presented, a beautiful skit showing a contrast between college and school life. Students entertained the audience with their energy rich dance performances. The performances were thoroughly enjoyed by the audience. Many interesting and tricky games were played to pep up the environment. Different Titles were awarded to different students. Summing up, the day was great, filled with nostalgia and fun and excitement.

Placements





Twenty Two students of BGIET have secured placement offers from Sach Tech Pvt. Ltd., Finndit and Sensation Software Solution Pvt. Ltd., BGIET is owing to the impeccable placement of graduates at multi natinal corporatins.

EDITORIAL TEAM

Er. Manpreet Singh

(Assistant Professor, E.C.E. Dept.)

Er. Parminderpal Singh

(Assistant Professor, M.E. Dept.)

Er. Sukhminder Kaushal

(Assistant Professor, E.C.E Dept.)

Mrs. Sandeep Kaur

(Assistant Professor, M.B.A. Dept.)

Ms. Swati

(Assistant Professor, F.T. Dept.)

Er. Mohit

(Assistant Professor, C.E. Dept.)

Riddles

1. What has hands but doesn't clap?

Answer: A clock.

2. What has many keys but can't open any doors?

Answer: A piano.

3. What has no legs, never walks but always runs?

Answer: A river.

4. Where does Friday come before Thursday?

Answer: In the dictionary.

5. When things go wrong, what can you always count on?

Answer: Your fingers.

6. What do you call a bear with no teeth?

Answer: A gummy bear.

7. What fish costs the most?

Answer: A goldfish!

8. Why was 6 afraid of 7?

Answer: Because 7, 8 (ate), 9!

9. I travel all around the world, but never leave the corner. What am I?

Answer: A stamp.

10. What type of music do rabbits listen to?

Answer: Hip hop!

11. Why can't a pirate ever finish the alphabet?

Answer: Because he always gets lost at sea!

12. If fish lived on land, where would they live?

Answer: In Finland.

13. How does the gingerbread man make his bed?

Answer: With cookie sheets.

14. Why does a dragon sleep all day?

Answer: So it can hunt knights!

15. How do you clean a dirty tuba?

Answer: With a tuba toothpaste!

BHAI GURDAS INSTITUTE OF ENGINEERING & TECHNOLOGY



VISION

To impart value based multidisciplinary quality education to the students which can enable them to contribute their knowledge I industrial development, technology revolution and economic growth of the nation with global prospective.

MISSION

1. TO develop technical manpower of quality standards with capabilities of accepting new challenges.
2. To provide excellent teaching and research environment.
3. To promote collaborative coexistence amongst academic institute and industries for resource sharing.

QUALITY POLICY

We are committed to provide and continually improve the healthy learning environment and supporting faculties for the students at Under Graduate and Post Graduate Level to achieve academic excellence for better opportunities.