

SONIC VIEW

2019 -2020



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, Kapurthala 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'S 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.

BGGI 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. To attain this objective, trainings in placement, personality development, communication skills and other soft skills are provided by expert members.

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. The placement scenario is also quite laudable as several premier companies visit our campus for recruitment. We never compromise on any part of our quality and our policy of providing technical education in international standards.

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

DIRECTOR'S DESK



Bhai Gurdas Institute of Engineering and Technology [NBA accredited Institution] 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. The Institute provides competent technical manpower to the country. We believe in strong industry-institute collaboration. We work through an ERP system wherein the students receive all the information through a single window. Hassle free information access and quality education are the key objectives set by us. Research is an integral part of formal education.

In today's competitive global scenario, it is essential to inculcate research culture and habits amongst students and faculty. The faculty and students are encouraged to work on state of art research projects, carry out expert consultancy work and create wealth of knowledge by filing patents in a multidisciplinary work environment. 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

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.

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. The department 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.

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.

FOOD TECHNOLOGY HOD MESSAGE



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 BGIET 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
Professor & 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 Design, Operating System, Advance Database Systems, Theory of Computation, Computer Graphics and many more.

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

INFORMATION TECHNOLOGY HOD



Welcome to Department of Information Technology, Department of Information Technology was established in 2000. The Department seeks to combine excellence in education with service to the industry. Our vision is to be recognized as innovative and leading Information Technology Department. Our goal is to provide students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs. In our department students are nurtured to become best software professionals as Project Managers, System Analysts or Team leaders in Industry or become Entrepreneurs in their own innovative way. I am sure in times to come; many students from our department will make indelible mark nationally and internationally in the field of Information Technology and make us proud. We are having hard-working students, a young and dynamic faculty, whose expertise spans the range of disciplines in computer science stream and a very healthy work-culture, are the basic elements that comprise the Department of Information Technology, the hub of the institute's academia. We hold firm belief in our ability to succeed, and we nurture an attitude of self-reliance, confidence, commitment and responsibility to the motherland that we are to serve. Such is the psychology behind the young and dynamic IT department in effect, the Department of IT believes in building career, enriching minds and provides a remarkable experience that lasts a life time.

Er. Ramandeep Kaur
Assistant Professor & H.O.D

MECHANICAL ENGINEERING DEPARTMENT



Dear Students,

In the current context of rapid changes that are taking place in our country, all activities directed towards economic advancements are required to be addressed with the highest priority. In this effort, it is also imperative to prepare social engineers, who could contribute to and manage the needs of the society with the equanimity of mind and an attitude of selfless social service.

BGIET is consistently rated amongst the top 100 Engineering colleges of our country by various ranking institutions. The college is affiliated with the IKG PTU Jalandhar. Mechanical engineering is one of the oldest branches of engineering. It is also referred to as the “mother” branch of engineering. Another appealing feature of Mechanical engineering is that the application base of this field of study is extremely broad and diverse. Almost all inventions during the ancient period and a vast majority in the modern era are direct contributions of one or the other application of mechanics.

In all our efforts, we seek the Lord’s Grace to keep us on the path of virtue, courage, and wisdom. May thy grace and blessings flow through us to the world around us in all our efforts to make better quality engineers, who can make a positive impact in our society and help build our nation in these ever-changing and challenging times. Thank you very much for visiting our website.

Warm Regards & Good Wishes!

Dr. Parminderpal Singh
Assistant Professor & H.O.D

CIVIL ENGINEERING HOD MESSAGE



My vision is to develop constructive thinking and analytical capabilities of every student of Civil Engineering Department. Our department is committed to provide students with a strong, broad based fundamental engineering education and prepare the students for a career in the industry, teaching and national laboratories. We also plan to develop entrepreneurial skills in students through summer internships so that they would drive the spirit of growth of our economy and would be able to generate employment opportunities for other qualified and skilled people.

I personally look forward to integrate my experience of over 18 years in teaching and research into the learning systems and the collective efforts of the faculty of the department and build a comprehensive methodology that encompasses whatever that matters for nurturing the minds of our students. I look forward for preparing my students to face the challenges; the technology and engineering sector would offer in the future and succeed in offering technological solutions for the betterment of the society and our nation.

Wishing all our students brilliant and bright future.

With Best Wishes,

Dr. Dinesh Kumar Sharma
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.

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

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. Honourable 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



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 manner.

FRESHER'S DAY CELEBRATION

The purpose of Fresher's Party is to welcome new students in a friendly atmosphere and to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college. Students of First Year were welcomed with red rose to this party which was organized by Student's Council in the Multi-purpose hall at 11 am. The program started with lamp lightening and inaugural speech by Honorable Director, Dr. Tanuja Srivastava for the fresher's. Various activities were performed by the senior as well as junior students like dancing singing, ramp walking etc. Students enjoyed each and every second of that party. After that pictures were clicked by the students with each other and with their respective teachers.



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 srivastva director of BGIET, Sangrur encouraged students to take part in games and motivated them to live a healthy life.

ORIENTATION PROGRAM



Student Orientation Programme plays an important role in a student's transition to a college life. Orientation programmes are aimed at familiarizing the students to an unknown campus

environment, its faculties and infrastructure. It helps them to find their way in the institute for the next years and also encourages them to get better adjusted to the institute environment. BGIET organized an 'Orientation Program' for newly admitted students every year, as it plays a significant role in introducing the institutions activities.

During orientation, students were informed about the various cells and their activities, infrastructural facilities, extracurricular activities, learning resources, and the college culture. They were made to understand their role and responsibilities during college life. Therefore, in order to give the most accurate view of an institution, there must be both an academic and social component to the orientation program. Students were also informed about the rules & regulations, campus safety and the academic calendar. BGIET motivates the students and wished them Good Luck for their bright and glorious future.







Figure 1. Schematic diagram of the experimental setup. The subject is seated in a chair, viewing a screen displaying a target. The target is a vertical line, and the subject is required to move a cursor to the target. The cursor is represented by a small circle on the screen. The subject's hand is positioned at the starting point, and the cursor is moved to the target. The distance between the starting point and the target is 10 cm. The subject is required to move the cursor to the target within a specified time limit. The time limit is 10 seconds. The subject is required to move the cursor to the target within the specified time limit. The time limit is 10 seconds. The subject is required to move the cursor to the target within the specified time limit. The time limit is 10 seconds.

[illegible]

HOLI CELEBRATIONS



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 . A group of 26 students got an opportunity to learn the basics of construction and foundation laying at the construction site accompanied by faculty members.



International Women Day Celebration

Bhai Gurdas Group of Institutions 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. , 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,



However Secretary BGGI and Dr. (Prof.) Tanuja Srivastava, Campus Director BGGI welcomes the guest with bouquet and enlighten with their wonderful thoughts how “Narri Shakti” has become phenomenon across the world and Women have always been suppressed by some kind of force that has restricted their choices and freedom. But as times are progressing, women are rising up to their full potential and taking steps to ensure they have the means, choice and freedom to speak, and do whatever they want. Concluded the event with honoring the guest and wishes women that this day belongs to you. May you prosper and stood affirm in the course of life. Happy International Women's Day.

NSS Camp



Extra Circular Events



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 (ICAET-2021) on 25, 26 June 2021 and 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 conference.

Seminar on Environment Awareness





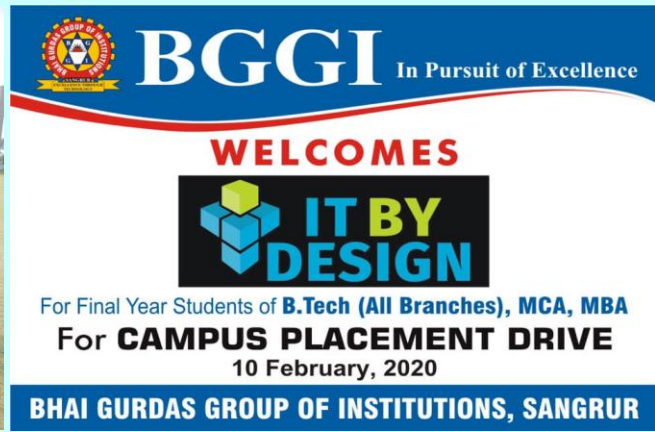
Farewell Party



The Farewell party was organized in BGIET on 8 July 2022 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





2 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 date 29 nov 2021.

Editorial Team

Dr. Manpreet Singh

(Associate Professor, E.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. You will find me in Mercury, Earth, Mars and Jupiter, but not in Venus or Neptune. What am I?

The letter R

2. What are the three R's that keep our planet clean?

The three R's are Reduce, Reuse and Recycle.

3. Which weighs more, a ton of concrete or a ton of feathers?

They both weigh the same (a ton).

4. I can rush, be still, be hot, be cold, and be hard. I can slip through almost anything. What am I?

Water

5. What can go up and come down without moving?

The temperature

6. What has a foot on each side and one in the middle?

A yardstick

7. What grows only upwards and can never come down?

Our height

8. I am excellent to taste, but horrible to smell. What am I?

A tongue

9. I touch your face. I am in your words. I am a lack of space and beloved by birds. What am I?

Air

10. What breaks but never falls?

Dawn

11. What falls but never breaks?

Dusk

12. What has a mouth but cannot chew?

A river

13. What kind of rocks are on the bottom of the Mississippi River?

Wet rocks

14. What is the moon worth?

\$1, because it has 4 quarters

15. What is the center of gravity?

The letter V

16. Give it food and it will live; give it water and it will die. What is it?

Fire

17. How can you tell a tree is a dogwood tree?

By its bark

18. What runs faster, cold or hot?

Hot, because you can catch a cold.

19. Why did the scientist take out his doorbell?

He wanted to win the no-bell prize.

20. What was the first animal to go into space?

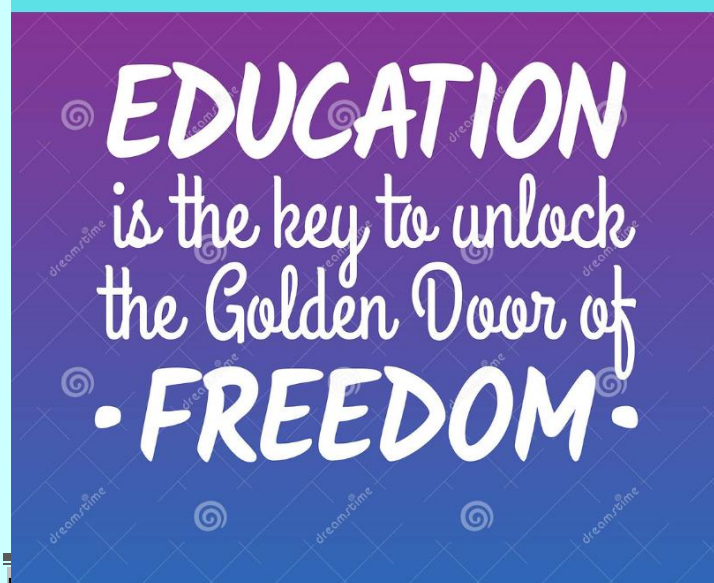
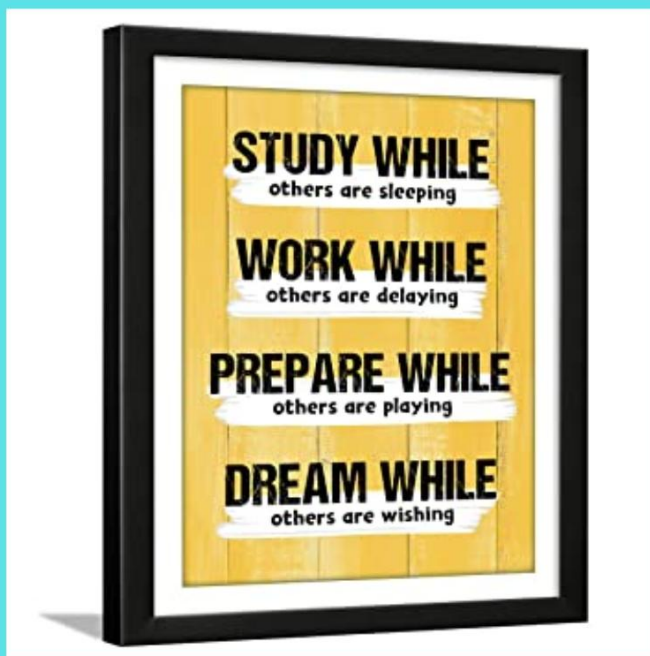
The cow that jumped over the moon

21. What kind of tree can fit into your hand?

A palm tree

"Learning is never done without errors and defeat." - Vladimir Lenin

It doesn't matter what others are doing, it matters what you are doing.



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.