

Step Into a
Brighter Future



BRILLIANT

GROUP OF TECHNICAL INSTITUTIONS



Kasireddy Narayanreddy College of Engg. & Research

EAMCET CODE
KNRR

Brilliant Institute of Engineering & Technology

EAMCET CODE
BRIL

**Brilliant Grammar School Educational Society's Group of
Institutions (Integrated Campus) Engineering & Pharmacy**

EAMCET CODE
BRIG

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Prospect



Education your Way



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Abdullapur (V), Near Ramoji Film City, Hayathnagar (M), R.R. Dist., Hyderabad-501505

Ph: 040-23437777, 9849398168, 9701340896, 9985656390, 7731064433

www.bgti.in



*At **BGTI** we instigate the students to embark in right path*

Facilities & Resources

Brilliant Group of Technical Institutions constitute 3 Engineering colleges with the approval of AICTE, affiliated to JNTUH, sponsored by Brilliant Grammar School Educational Society, at Abdullapur(v), Hayathnagar(M) RR Dist, Hyderabad.

Kasireddy Narayanreddy College of Engineering & Research was established in 2008. it has Polytechnic, Engineering and MBA courses with counselling code KNRR. Dr. S.Amaresh Babu, B.E. (Civil), M. Tech, Ph. D(Hydraulics) is the Principal of the college. He has a vast experience of 30 + years as a Professor & Principal.

Brilliant Institute of Engineering & Technology is a highly reputed Institute, established in 2008. it has Polytechnic, Engineering and MBA courses with counselling code BRIL. Dr. Shaik Rusthum B.E. (Civil), M. Tech, Ph. D (Hydraulics) is the Principal at the helm of affairs of the college. He is an eminent academican and highly accomplished man with vast experience. Brilliant Grammar School Educational Society's Group of Institutions (Integrated campus) has

Polytechnic, Engineering and Pharmacy courses with counselling code BRIG. The college is led by Dr. K. Kumar B. Tech(Mechanical), M. Tech (Production), Ph. D (Finite element analysis) and Dr. D. Sathyavathi, M. Pharm, Ph. D(Pharmacology).



Welcome to Brilliant Group of Technical Institutions

*Education's Purpose is to repalce
an empty mind with open one*

Brilliant touched new heights under the able guidance of young and dynamic secretary of Brilliant Group of Institutions Sri Kasireddy Narayan Reddy, Hon'ble MLC, his sagacious outlook and deep insight into the future needs of education won him laurels in india and abroad. He is honoured with many awards like "Vikas Ratan Gold Award" by international integration and Growth Society, New Delhi and "The Best young educationist excellence award" by cultural association of Osmania University, Hyderabad.

He established Brilliant Group of Technical institutions after he had felt a gap between the engineering graduates and their Industry readiness in terms of transformation of knowledge into practical application. His aim is to provide education on par with international standards to produce world class Professionals.

Brilliant Group of Technical Institutions was established in 2008 with the approval of All India Council for Technical Education(AICTE, PCI), New Delhi and Affiliated to Jawaharlal Nehru Technological University(JNTUH) Hyderabad, Telangana, India on a vast expanse of 70 acres campus near Ramoji Film City, free from noise & dust pollution. It has been a constant endeavor of Brilliant to incorporate great features of excellence in its campus.

At a point when the industry is striving for a clear cut distinction between qualified and quality on the professional perspective, a visionary Sri Kasireddy Narayan reddy realized his rationate to fill the gap between theory and application in the education of teaming millions of tech graduates so that they change the face of the globe.

The Mission Behind The BGTI is to Educate the Students so that they become enlightened and transformed to excel in their respective fields



Sri Kasireddy Narayan Reddy
*MLC, Mahabubnagar Dist.
Chairman, Brilliant Group*



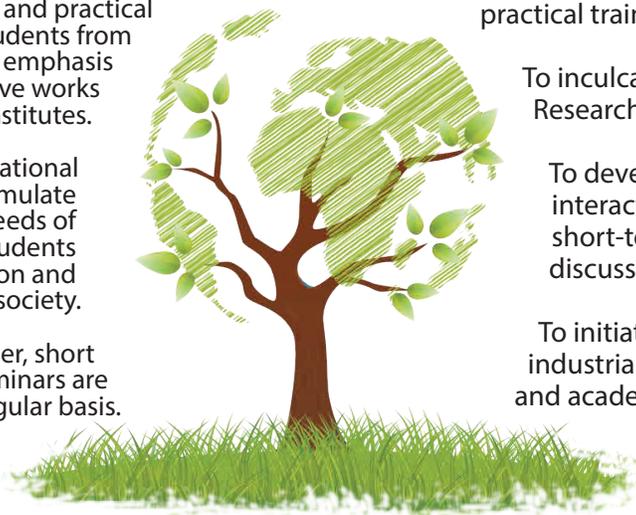
Our Vision & Mission

Vision

To create world class facilities and ambience for advance level of teaching and practical training for attracting best students from the country and abroad greater emphasis on research and collaborative works with industries and other institutes.

To provide pro-eminent educational experiences which stimulate accountability to satisfy the needs of century and prepare our students for leadership in their profession and society.

To develop technical manpower, short term courses, workshops, seminars are arranged on regular basis.



Mission

To create advanced facilities of teaching and practical training to the UG & PG Students

To inculcate facilities in the arena of Research & Development

To develop technical manpower through interactive communication, training, short-term courses, seminars, group discussions, mock-interviews etc.,

To initiate the collaborative real life industrial projects with nearby industries and academic institutions.

*“We ensure that **BGTI** is a place where you want to **Be1** - a place of learning and discovery, laughter and friendship.”*





Computer Science & Engineering

Computer science (abbreviated CSE) is the scientific and practical approach to computation and its applications. It is the systematic study of the feasibility, structure, expression, and mechanization of the methodical processes (or algorithms). They underlie the acquisition, representation, processing, storage, communication and access to information, which is encoded as bits in a computer memory or transcribed in genes and protein structures in a human cell.



A computer scientist specializes in the theory of computation and the design of computational systems.

Its sub-fields can be divided into a variety of theoretical and practical disciplines. Some fields, such as computational complexity theory (which explores the fundamental properties of Computational and intractable problems), are highly abstract, while fields such as computer graphics emphasize real-world visual applications. Still other fields focus on the challenges in implementing computation. For example, programming language theory considers various approaches to the description of computation. The study of computer programming itself investigates various aspects of the use of programming language and complex systems. Human-computer interaction considers the challenges in making computers and computations useful, usable, and universally accessible to human kind.



Electronics & Communication Engineering

Electronics engineering is a field of engineering that generally deals with the study and application of electricity, electronics and electromagnetism. Communication engineering or Telecommunications engineering, or Telecom engineering is a major field within electronic engineering. The work ranges from basic circuit design to strategic mass development. A telecommunication engineer is responsible for designing and overseeing the installation of telecommunications equipment and facilities, such as complex electronic switching systems, copper telephone facilities, and fibre optics. Telecom engineering also overlaps heavily with broadcast engineering.





Civil Engineering

Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works like roads, bridges, canals, dams, and buildings. Civil Engineering is the second-oldest engineering discipline after military engineering. It is traditionally broken into several sub-disciplines including architectural engineering, environmental engineering, geo-technical engineering, geophysics, geodesy, control engineering, structural engineering, transportation engineering, earth science, atmospheric sciences, forensic engineering, municipal or urban engineering, water resources engineering and material engineering.

Civil engineering is the application of physical and scientific principles for solving the problems of society, and its history is intricately linked to advances in understanding of physics and mathematics throughout history. Because civil engineering is a wide ranging profession, including several separate specialized sub-disciplines, its history is linked to knowledge of structures, material science, geography, geology, soils, hydrology, environment, mechanics and other fields.



Mechanical Engineering

Mechanical engineering is a discipline of engineering that applies the principles of engineering, physics and material science for analysis, design, manufacturing, and maintenance of mechanical systems. It is the branch of engineering that involves the production and usage of heat and mechanical power for the design, production, and operation of machines and tools.

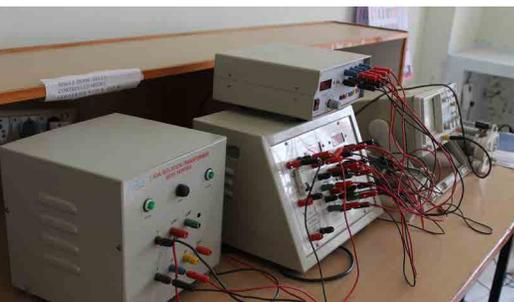
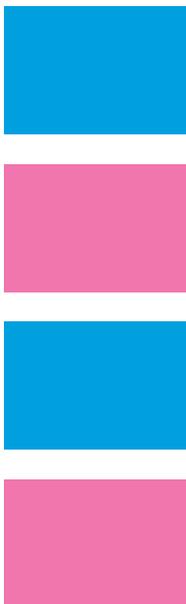
It is one of the oldest and broadest engineering disciplines.



This engineering field requires understanding of core concepts including mechanics, kinematics thermodynamics, material science, structural analysis, and electricity. Mechanical engineers use these core principles along with tools like computer-aided engineering, and product life cycle management to design and analyse manufacturing plants, industrial equipment and machinery such as Heating and cooling systems, transport systems, aircraft, water craft, robotics, medical devices, weapons, and others...

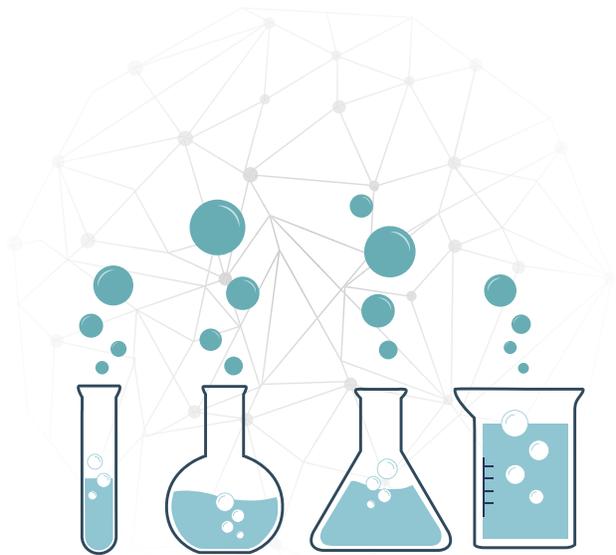
Electrical & Electronics Engineering

Electrical engineering is a field of engineering that generally deals with the study and application of electricity, electronics, and electromagnetism. This field first became an identifiable occupation in the later half of the 19th century after commercialization of the electric telegraph, the telephone, and electric power distribution and use. Subsequently, broadcasting and recording media made electronics part of daily life. The invention of the transistor and, subsequently, the integrated circuit brought down the cost of electronics to the point where they can be used in almost any household object. The personal computer and information technology are the most complex electronics yet to be used in everyday life.



Electrical engineering now has been subdivided into a wide range of sub-fields including electronics, digital computers, power engineering, telecommunications, control systems, RF engineering, signal processing, instrumentation, and microelectronics. The subject of electronic engineering is often treated as its own sub-field but it intersects with all the other sub-fields including the power electronics of power engineering.

Electrical engineers typically hold a degree in electrical engineering or electronic engineering. Practicing engineers may have professional certification and be members of a professional body. Such bodies include the institute of Electrical and Electronic Engineers (IEEE) and the Institutions of Engineering and Technology (IET).



Pharmacy

Pharmacy is the science and technique of preparing as well as dispensing drugs and medicines. It is a health profession that links health sciences with chemical sciences and aims to ensure the safe and effective use of pharmaceutical drugs.

The scope of pharmacy practice includes more traditional roles such as compounding and dispensing medications, and it also includes more modern services related to health care, including clinical services, reviewing medications for safety and efficacy, and providing drug information. Pharmacists, the experts on drug therapy and the primary health professionals who optimize use of medication for the benefit of the patients.





Polytechnic

A Polytechnic is a Course dealing mainly with various arts and crafts. One of the distinguishing features of polytechnic education is the strong emphasis on practice based learning.

Work attachment is included as part of the practical curriculum and this can vary from time to time

The education provided is directly relevant to the future career of Polytechnic students so that they find it easy to get a job.

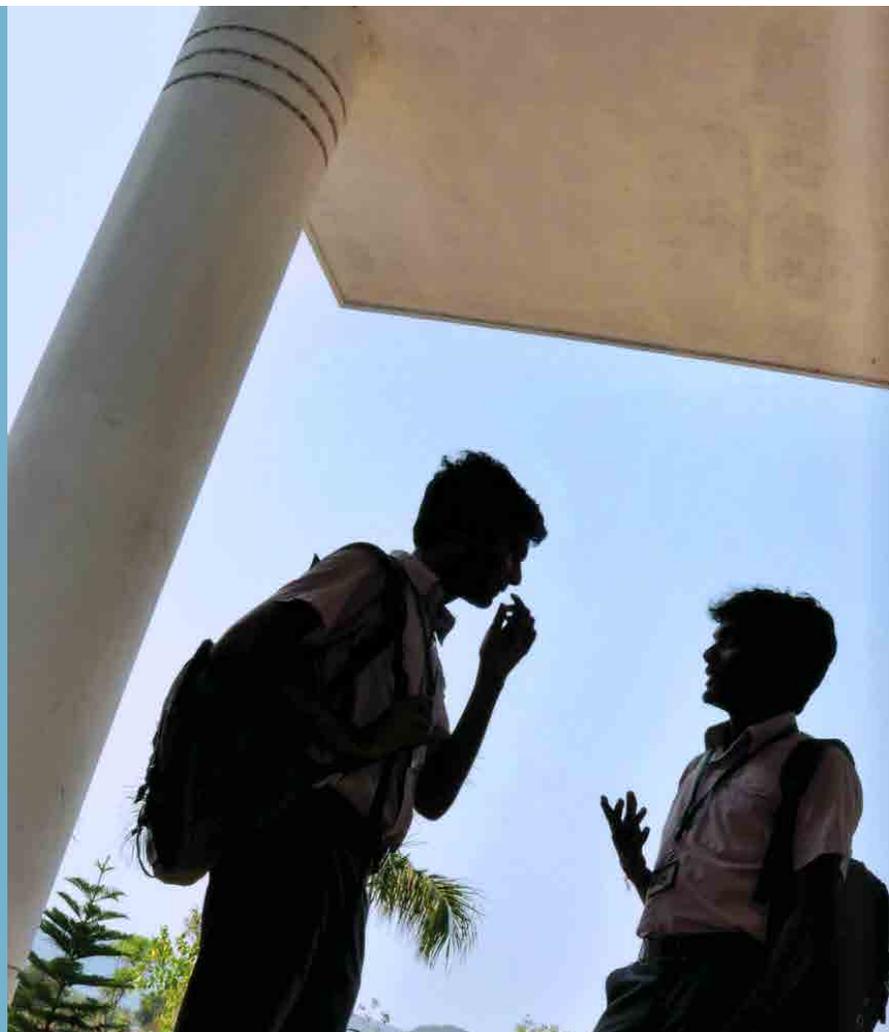


STEP INTO A BRIGHTER FUTURE



PG Programs MBA/M.Tech/M.Pharm

Postgraduate education involves learning and studying for Professional degree. It is normally considered to be part of higher education. In North America it is generally considered as graduate school. This program varies from institution to institution and country.



Life is blend of vocation and avocation

- Robert Frost





Brilliant Helps you Grow as an Individual and Change the world





Student Research & Development Wing

At BGTI faculty members, students and staff are committed to the development of innovations in engineering and applied science. Our goal is to bring real enhancements to the quality of life through our endeavours. To fulfil this commitment, we have devoted considerable effort to important challenges in the areas of Environmental engineering, Sensing & Imaging, and Engineered Materials.

Participating in research is an enriching and rewarding experience for many students at BGTI. As they are taught the innovative ideas which feed the future needs. All faculty give value to the student research participation and are willing to suggest suitable projects. Guidance in identifying research opportunities is provided by the team of experts from different departments. Interdisciplinary, environment friendly projects having impact on the development of society are preferred. A Web site <https://sites.google.com/site/BJCstudentrnd/home> is developed which provides information on different Research Opportunities for Students in the College.

The success of the 'Bus tracking Project', 'Solar car' and 'Hover craft' are examples of such an opportunity. BGTI also has research projects on friction generated electricity, green buildings, flying vehicles etc.

The BGTI Student Research and Development Cell provides resources, programs, expertise, consistency, and coordination across the different departments of the college. The cell also helps in finding suitable funding resources and in patenting process of new products or innovations.

Current R&D Projects Going on in the Department of Computer Science & Engineering are

Automatic Irrigation System – Proposals sent to ITRA for funding of 4 cores. Initial proposal accepted. The final proposal is sent.- Dept of CSE Vehicle Tracking System using GPS – First Demo is over – Developed by students of II Year – Funded by the college

Department of Mechanical Engineering

Solar Up-draft Tower
Hover Craft
Design And Fabrication Of Solar Car
Design And Fabrication Of Personnel Transport Vehicle
Self Tracking Robo Transporter

Department of Electrical & Electronics Engineering

Drain Water Power Generation
Self Powered Exerciser
Inspection of railway tracks & automated railway gate control
Green Energy Harvesting Light for High way Guiding

Inter Disciplinary Project

RFID based Student Attendance and Tracking System

Seminars & Workshops

College arranges guest lectures, seminars and workshops by technical leads from renowned Industries.

A sizeable number of seminars and workshops were conducted wherein the students participate actively. In addition to this a seminar was conducted on Global Career Recruitment. The faculty members of college showcase their calibre in conducting faculty empowerment workshops which are directly related in grooming the students of the college in terms of adopting corporate culture, building team spirits, and constructive role in bridging the gap between corporate and institution relations.

The college has signed up MOUs and tie-ups with many corporate Companies in technological transformations.



Acquiring leadership qualities

Engineers contributions effect tremendously on the world. By developing creative, ethical, sustainable, collaborative solutions to societal problems, engineers improve the quality of life for humankind. This is how every engineer is a leader. You dont have to be a to be leader by nature. In the Brilliant Group of Institutions, you can learn and practice leadership skills in many ways.

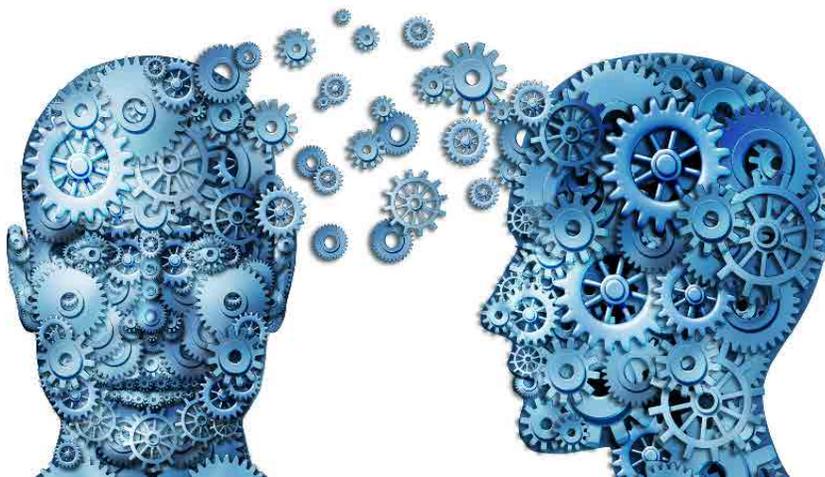
*Throughout your academic career, **YOU** are encouraged to*

- ▶ Take any community service activity.
- ▶ Gain real-world experience to co-op or intern-ship.
- ▶ Participate in extracurricular activities and competitions.
- ▶ Join or lead a student organization or student club
- ▶ To publish your own magazine or newsletter
- ▶ To conduct seminars and workshop
- ▶ Take advantage of professional development opportunities.

*These experiences root **YOUR** strong professional future.*

Brilliant offers many chances for the students to socialize with their fellow students, engage in sports and recreational activities, volunteer in the community and take on leadership positions. These experiences add a rich layer to the students time at the college to explore the categories and find the groups and activities that fit best to their interests and academic/ professional goals. Our team of experts at the Centre of Leadership will help you to do that.

Extracurricular activities are an important part of college preparation because they allow your prospective employer to see that you are about more than just books. Companies are interested in absorbing well-rounded individuals. Another benefit of extracurricular activities is that they will help you stand out as an individual and fill your life with great joy.



Skill Development Centre

The centre main aim is to make students ready for the industry. It realized unanimously though lately that there is a big gap between academic knowledge and technical skills required by the industry. Therefore at Brilliant, with the excellent set of academic teaching, various technical skills required by the industry/corporate world are also taught to the students. Students here are trained to be practically oriented rather than just academically perfect.

The main objectives of Skill development centre are:

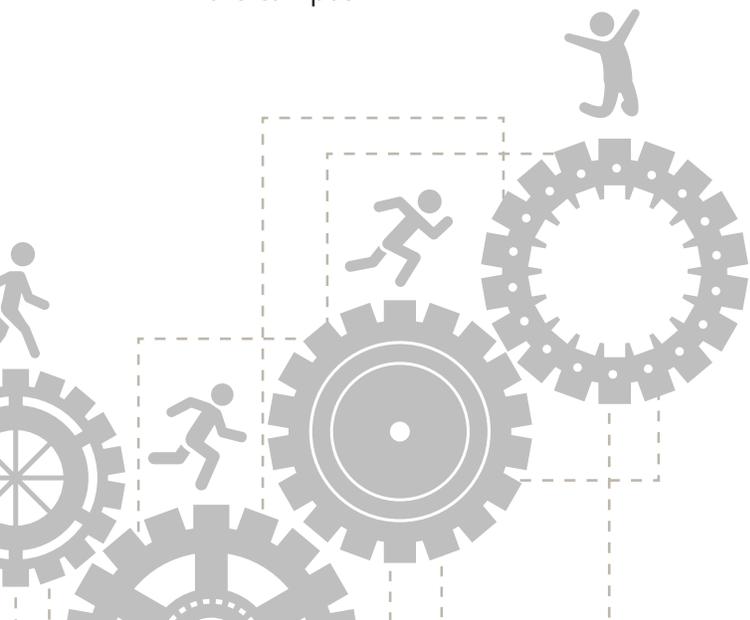
- ▶ To provide all the facilities and resources like latest software, electronic devices, equipments, journals, books etc.
- ▶ To give practical training to the students in the required essential technical skills
- ▶ To conduct Workshops and Seminars by industrial experts
- ▶ To facilitate Institute industrial interactions and knowledge exchange programmes
- ▶ To arrange Industrial visits in and around the city and outskirts
- ▶ To coordinate with the placement activity in the campus



The faculty members who train students at the skill development centre are expert internal faculty especially those whose background is based on industry and research & development. Different sessions of training in technical skills required by the industry are conducted with the groups of students.

Workshops and seminars are conducted regularly by the industrial expertise from reputed companies to share the latest trends and requirements of the industry.

This training at the centre along with intern-ship programs prepare the students to face the future challenges and make them industry ready. So when they study at Brilliant, they will not only have knowledge, but also know how to use it.



Teaching methodology

Brilliant offers an environment where academic excellence is applauded and independent enquiry is encouraged. We stress on student centred learning activity rather than passivity. Students are expected to assess and critically think about the issues rather than simply repeating learned information. Special tutorial classes are arranged for average students at city centre office during holidays for the benefit of students.

Teachers- student meetings are held regularly to discuss the ongoing teaching techniques which can be entertained for the benefit of the students. The aim is to provide international kind of teaching environment and provide human values along with the technical training. Faculty here are facilitators and not merely instructors.



Learning Environment

- ▶ Teaching is based on lectures, seminars and personal tutorials.
- ▶ In seminars, small groups of students evaluate case studies and discuss the material in detail covered in lectures.
- ▶ Personal tutorial sessions allow students to discuss any aspect of the course on a one-to-one basis with their tutor.
- ▶ Teaching takes place in fully equipped lecture rooms with the required support systems.



Mentor Mentee interactions

Each student here is given an individual care and concern by the faculty. A group of 15-20 students is put under the constant care and guidance of each faculty member, who also enjoys being responsible for students. A sense of accountability is instilled in both the mentor (faculty) and the mentee (student). The mentor oversees the group in all matters of personal growth of the student like behaviour, attendance, performance in tests and exams, guidance for improvement etc...

The mentor also interacts with their parents and updates them about the students progress at the college. This method works excellently and has done wonders to the students. The faculty and the students feel the need for each other.

Teacher parent association

Parents are important stakeholders for the institutions, and their recommendations and suggestions are always taken into consideration under college development plan. Parents forum is established where parents discuss and deliberate with the faculty and management. It is not only about the progress of their ward but also the functioning of college. Teacher Mentors frequently contact the parents and appraise the activities and improvement of their children. They also hold individual and group meetings regularly which build a relationship among teachers and parents to allow both to work together for a better future of their children.



Scholarships

Scholarships and fee concession is provided to deserving students. Meritorious students are motivated with awards and prizes.

This facility enables students to compete in academic program. Poverty Should not be the hindrance to the deserving students

Athletics

For an all round development of the personality of students, facilities of indoor games and outdoor sports are offered. Throughout the year, sports and games are carried out regularly. Spacious playgrounds with facilities for sports like cricket, football, volleyball, badminton, table tennis, etc. are available. The students are motivated and encouraged to participate in athletic meets and inter-college tournaments organized every year.



Brilliant has an extensive array of sporting facilities. There are many sports to choose including basketball, baseball, cricket, badminton and indoor games. Competitions are conducted and prizes are distributed. Some of our students received prizes in National and Inter-College Competitions.

College supports the talented students to excel in their fields and sponsor them to participate in national and international events.





Cafeteria

Our College cafeteria serves hot and cold drinks and a variety of pastries, wraps and meals as well as classics such as a Samosas and other snacks which are all hygienically prepared. The place is famous for its relaxed atmosphere, friendly staff and beautiful view. It also allows students to discuss their projects, club activities, share learning experiences. Students can drop by after the classes for a refreshments or visit at the time of breakfast or lunch.

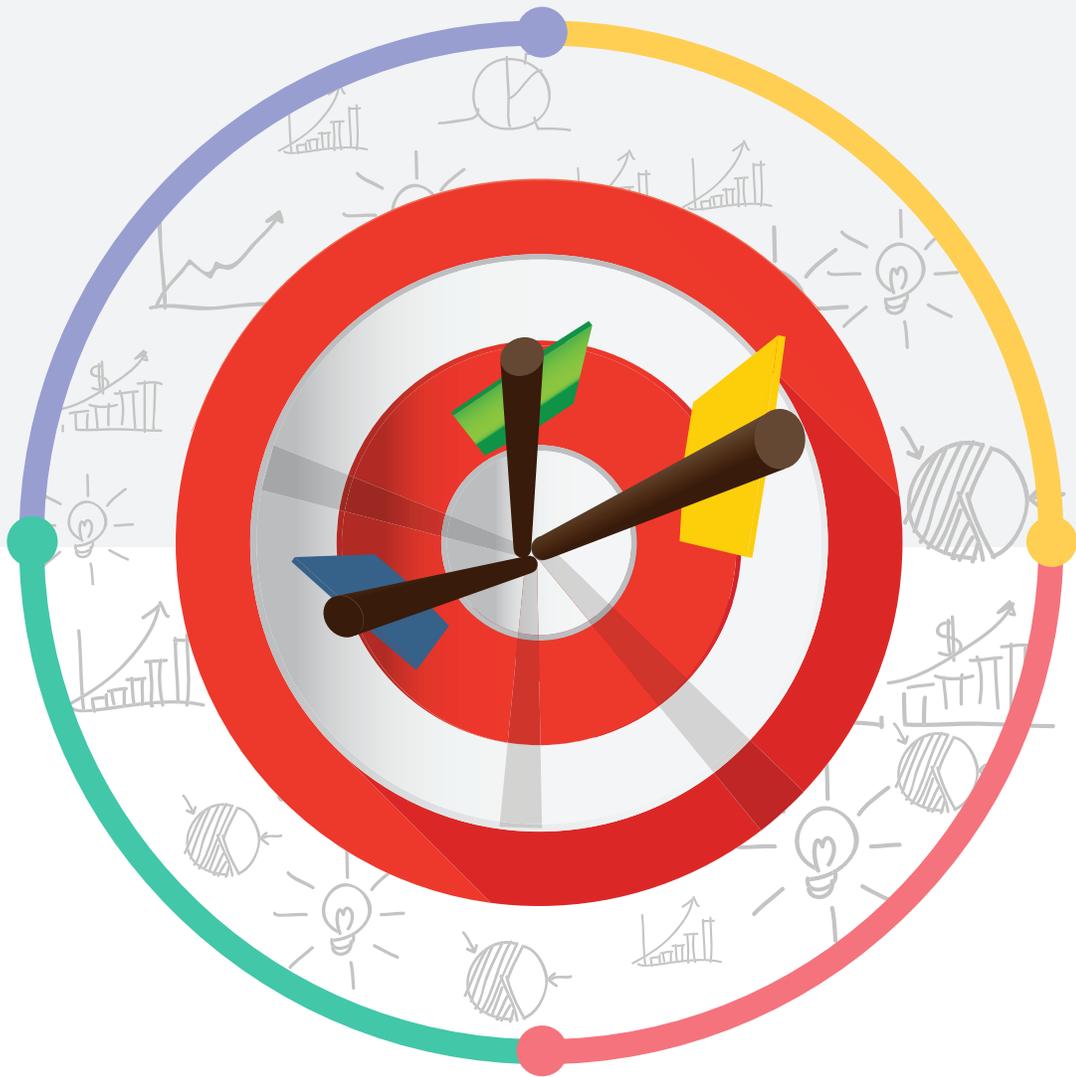


Transport

The Institution operates a fleet of 17 buses for the students and staff to commute comfortably from city. These buses connect every nook&corner of the city to the campus.

To make students aware of the current happenings, improve vocabulary and inculcate the habit of reading, latest magazines on sports, business, politics etc, daily newspapers and interesting books on personality development are now made available in the buses.





Panoramic view

- Academic and career guidance, a separate Counselling Cell to encourage and motivate the students.
- To Improve learning capabilities workshops for the first year students comprising effective reading, listening and reviewing skills and good study skills.
- Encouragement and cooperation for extra-curricular activities such as sports, games, literary and cultural events, a separate 'Soft Skill Development Cell to train the students in different skills such as personality development, soft skills & communication skills.
- Student memberships, industrial training, industry projects and mini-projects to impart practical experience to the students.
- A separate Placement and Training Cell' to ensure that every student's skills are properly identified, tuned in harmony with industrial needs and then the students are placed appropriately in reputed organizations
- An 'Overseas Education Centre to encourage and assist the students in cherishing their global dream for higher education.
- Special training for project and report writing are also entertained.

*Self assessment activities for students to know their strengths and weaknesses
Group projects, term papers and Seminars and Workshops throughout the academic year*

Placement Cell

The main aim of Placement Cell at Brilliant Group of Technical Institutions is to get students placed in reputed Multinational Companies, NGOs, Government and Private sectors.

All students registered with Placement Cell will also be provided placement assistance and also, counselling for employment and Self/Social entrepreneurship. We encourage young Engineers to participate in the "Innovation and Entrepreneurship Development Centre" and practice Outcome Based Education for a better future. The Placement Cell assures logistic support for visiting companies at every stage of the placement process by making college infrastructure available to them. The Placement Cell will act as an edge between the industry and the students, and will mainly facilitate the students to select for their career options.

We facilitate the selection process of all the companies as per their requirement. Our Placement Cell has liaison with corporate organizations to provide suitable jobs and intern-ship for the candidates for completing their studies from the Brilliant Group of Technical Institutions.

The Placement Cell also conducts seminars and workshops to enable the students of our Institution to become successful professionals.

Our motto is to help the students to fulfil their dreams by providing quality placement and to assure a challenging career. To achieve this, we are now in collaboration with Monster Jobs, one among the India's largest job service providers.



Powered by
monster



and many More ...

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