

Editorial Board

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Message from Head Academic Co-ordinator :



Mr. P. R. Naik

It was very rightly said that "Education is a shared commitment between dedicated teachers, motivated students and enthusiastic parents with high expectations".

At GIET Castle of Dreams, we strive to give every student the opportunity to express themselves through a carefully planned curriculum. Each student has his own unique quality and as an educator, it is our responsibility to nurture and develop every learner in their formative years.

GIET, Polytechnic opens its gates every morning to the non-stop chatter, giggles and happy feet of children eagerly rushing into the school, looking forward to a day of fun and action.

Our dedicated teachers are equipped with reservoirs of love and warmth to help nurture the young minds to think out of the box and awaken a thirst and a healthy curiosity to know more.

GIET, Polytechnic is exposed to a holistic play way method. Learning may be expressed in a variety of ways through language, play, drama, art, music and movement. We help children to develop their innate curiosity about the world around them. Students are involved in in-depth thinking, lateral thinking and hands-on experience to retain knowledge which helps them in their growing years.

Message from HOD Comp. Sc. :

Welcome to Department of Computer Science & Engineering, GIET.



Er. J. K. Mohanta

The Department of Computer Science and Engineering welcomes you to be a part of the thriving computer science community and become visionaries and change makers of the future. Our distinguished faculty members ensure a wide

range of diverse learning experiences ranging from the fundamentals of Computer Science, Core Courses, Programming, Emerging Technologies like Big Data Analytics, Data Mining, AI, Machine Learning, Cyber Security, Blockchain, Professional Ethics, Research Methodologies and Open-Source Technologies—to name just a few.

Information technology, in recent years, has become overwhelmingly pervasive, while its parent, computing science, has become correspondingly hard to find. Our Department of Computer Science & Engineering (CSE) is dedicated for ensuring great careers for its students. Our faculty and students are constantly striving to excel and to advance the state of the art in Computer Science and Engineering. Our understanding is that persons who are clear and thorough about the fundamentals can adapt to rapid changes in technology relatively easily.

SPARKERS

Orientation Programme

On 16.08.2019 Ganesh Institute of Technology conducted its Orientation Programme for the freshers in its campus with a full of joy & excitement. The Programme started with the lighting of the lamp at Lord Ganesh followed by some Cultural Programme. Sj. Panchanan Panigrahi, Deputy Director, DTET was the Chief Guest in this event. At the out set Prof. P. K. Behera, Principal, GIET Polytechnic presented a brief report about rules, regulations and facilities given to the students to enhance their potentiality. In his address, the Chief Guest Sj. P. Panigrahi motivated the students to give emphasis on the importance of moral values along with college studies. On this occasion, Dr. B. B. Tripathy, Chairman, GIET Group of Institutions explained to maintain discipline during these three years of study career and how to get a job after completion of their study. Prof. Hrushikesh Mishra, Consultant Human Resource & Dr. Sanghamitra Mohanty, VC North Odisha University were present in this event as our invited guests. The successful conduct of the programme was done by the branch HODs' and Vote of thanks was given by Dr. S. P. Mishra, Director, GIMS, BBSR and sent best wishes to the freshers.



Blood Donation Camp

A Blood Donation Camp was conducted on 06.01.2019 by GIET, Polytechnic at its Polytechnic Campus with the collaboration of Red Cross, BBSR. A Medical Team of SUM Medical College, Bhubaneswar was collected 110 units of blood. Dr. Harwekrushna Satapathy, VC, Sri Jagannath University, Puri was the invited guest in this occasion. Dr. Satapathy inspired the students to donate blood and told them how to save life by donating blood. Many students, teachers and college staffs donated blood voluntarily and became a part of the programme. Several local people also participated in this programme. After donating blood everyone ate fruits and drank juice.



Annual Function - 2019

GIET, Polytechnic conducted its Annual Function "Swastik 2019" with joy & great excitement. Miss Somalin Mohanty, Actress, Olywood Industry was inaugurated the Opening Ceremony by lighting the lamp with the presence of Prof. P. K. Behera, Principal GIET, Polytechnic. In the closing ceremony Sj. Arun Sahoo, Hon'ble Minister, Development of Higher Education was the Chief Guest in this event. At the outset the Principal P. K. Behera read out the Annual report and welcomed the students. The Chief Guest, Sj. Arun Sahoo inspired the students saying about New Technology and opportunities that enhance the aims and objectives of the students. Sj. Pramod Kumar Mohapatra, Sr. Journalist, The Samaj & Dr. R. N. Behera, Sr. Technical Director, NIC were the invited guests in this occasion. The meeting followed by some cultural programme and at the end Dr. B. B. Tripathy, Chairman, GIET Group of Institutions presented the vote of thanks to the all dice members.



Annual Sports

GIET, Polytechnic hosted its Annual Sports Meet from 10.01.2020 to 11.01.2020 with great pleasure and enthusiasm. During these two days activities student exhibited their sportive qualities and selfless interest in different events. The event was Kick started with the opening Ceremony in which Dr. Soubhagya Ranjan Parija, Deputy Director, Higher Education cut the ribbon and lit the candle which ignited the inner sportsman spirit of the students. Miss Minati Sahoo, Coach, Self Defence & Mr. Guruprasad Pattanayak, Sports Officer were invited guests in this event. Dr. Parija opened the sports meet by announcing through microphone followed by a March past. All the Participants took oath for maintaining discipline during these two days activities. Different indoor and outdoor events were conducted among different wings of the institution in a smooth manner. The closing ceremony was conducted on 11.01.2022 with the presence of some invited guest. Sj. Soumendra Priyadarhini IPS, Ad.DG. and Sanjay Satapahty, Cricket Player. At last winners were awarded with prizes after flag down the sports flag handed it to the Principal, GIET, Polytechnic, Prof. P. K. Behera for next year.



NATIONAL QUANTUM MISSION(NQM)

Today, scientists across the globe are pushing quantum computers' abilities, trying to arrive at the most powerful quantum computing technologies. But why? quantum machines can solve a certain problem a

billion times faster than classical computers. Tech giants like IBM, Google and Microsoft are racing for quantum supremacy. One such approach has been initiated by Indian Government to strengthen our hold on quantum technologies. On April 19, the union cabinet, chaired by hon'ble Prime Minister Shri Narendra Modi approved the "National Quantum Mission (NQM)" at an estimated cost of 6000 crores rupees. The mission is expected to start from 2023-24 and aims to be completed by 2030-31. It aims to accelerate the development and application of quantum technologies. What does quantum computing mean to us? Quantum computing is a type of computing technology that uses the principles of quantum mechanics to perform calculations. "Quantum mechanics", this word shows how hard it is to understand the working of quantum computer but let me explain it in simpler terms. The normal computers we use use bits 1 and 0 to do all operations but quantum computers use quantum bits or "qubits" to store information. Qubits can be in a superposition of states, meaning that they can be in both 0 and 1 at the same time. This allows quantum computers to perform calculations that are impossible for classical computers. The NQM is led by the Department of Science and Technology (DST) and is implemented by a consortium of national laboratories, universities, and industry partners. The mission's goals include:

- Developing quantum computers and other quantum devices
- Creating a quantum-ready workforce
- Promoting the development of quantum-based applications

The NQM is expected to have a significant impact on India's economy and society. Quantum technologies have the potential to revolutionize a wide range of industries, including healthcare, finance, and manufacturing. The mission is also expected to create new jobs and boost

innovation in India. The NQM is expected to have a significant impact on India's economy and society. Quantum technologies have the potential to revolutionize a wide range of industries, including healthcare, finance, and manufacturing. The mission is also expected to create new jobs and boost innovation in India. The NQM is a major step forward for India in its efforts to become a leader in quantum technologies. The mission is well-funded and has the support of the government and the scientific community. With the NQM, India is well-positioned to reap the benefits of the quantum revolution. Here are some of the potential benefits of the NQM for India: Economic growth: Quantum technologies have the potential to revolutionize a wide range of industries, including healthcare, finance, and manufacturing. This could lead to significant economic growth for India.

- Job creation: The NQM is expected to create new jobs in the quantum technology sector. This could help to reduce unemployment and boost the Indian economy.
- Innovation: The NQM is expected to promote innovation in India. This could lead to the development of new products and services that could benefit the Indian people.
- National security: Quantum technologies could be used to improve India's national security. For example, quantum computers could be used to break encryption codes. Countries like US, Austria, Finland, France and China already have dedicated quantum missions and India will be sixth country to accomplish this. NQM will place India in rigid race with global leaders and competitors like China and America. The race to create such computers is sometimes referred to as the "Global Quantum Race." There is international competition to be the first country to create a fully-fledged quantum computer. Experts estimate that by 2026, the global market for quantum computing will be worth around \$2.2 billion. The financial industry, healthcare, and supply chain management are just a few of the sectors that stand to greatly benefit from the advent of quantum computing.

By Er. Nigam Prasad Baliarsingh
H.O.D. of Electrical Engg.

Institute Vision

To create socially responsible and value based technical professionals to meet the emerging needs of the industry as well as socially.

Institute Mission

Mission No	Statement
M1	To develop the capability of young professionals by enhancing their level of knowledge.
M2	To develop skills and competencies through quality education.
M3	To ensure personality development through quality education and training.