



BETHLAHEM

INSTITUTE OF ENGINEERING

Karungal, Kanyakumari District

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

PROSPECTUS

THE GATEWAY TO
PROFESSIONAL EXCELLENCE.....

COUNSELLING CODE
4992

ARISE & SHINE



WELCOME TO BIoE..

Dear Prospective Technocrats,

Congratulations on choosing to learn at Bethlahem Institute of Engineering (BIOE). Life is an endless journey in which acquisition of wisdom is a milestone. Completing your graduation from Bethlahem Institute of Engineering will certainly be a memorable landmark. Science can amuse and fascinate us all, but it is Engineering that changes the world. As Engineers, you are going to bring revolutionary reformatations through your technological traits. So feel proud for choosing Bethlahem Institute of Engineering to pursue your wonderful Engineering Programme.

Our Institution has been successfully functioning with the Motto of "Arise and Shine". Arise, shine, for your light has come, and the glory of the LORD rises upon you.

The college life in Bethlahem Institute of Engineering is the start of something wonderful. As shining stars we welcome you to explore yourself, extend your limits, challenge your capabilities, take part in many activities as you can, express yourself, spread the wings of your freedom. But in this endeavor, do not lose your track. Fasten up your shoe laces and buckle up your belts for the journey ahead, because the best part of your life is waiting for you. We look forward to kindle you as you start your long and rewarding journey towards a career in the Engineering field.

Management, Staff & Students
Bethlahem Institute of Engineering



ABOUT THE INSTITUTION

Bethlahem Institute of Engineering was established in the year 2008 by the Nesamony Memorial Trust with a mission to provide focused technical education to empower budding Engineers with technical and entrepreneurial skills, so as to become globally competent to serve the society.

The Institution is well known for its technical excellence, modern facilities and an eco-friendly environment which is conducive to the all round development of the students. The campus provides an ideal ambience for the young minds to explore new ideas, stimulate creativity and independent thinking. The adherence to high academic standards, strict internal evaluation, state-of-the-art infrastructure, technically qualified faculty and the exciting opportunities offered make Bethlahem Institute of Engineering a favored destination for Engineering aspirants.

Bethlahem Institute of Engineering is located on a sprawling 15 acre eco-friendly serene campus located at Karungal in Kanyakumari district. It is 23 Km from Nagercoil, the headquarters of Kanyakumari district, 38 Km from Kanyakumari, the international tourist spot and 15 Km from Kerala border.



BETHLAHEM GROUP OF INSTITUTIONS

- * BETHLAHEM MATRIC & HIGHER SECONDARY SCHOOL
- * BETHLAHEM INSTITUTE OF ENGINEERING
- * BETHLAHEM COLLEGE OF EDUCATION
- * BETHLAHEM HILLSIDE INTERNATIONAL SCHOOL
- * BETHLAHEM NEW CBSE SCHOOL
- * BETHLAHEM COLLEGE OF ARTS & SCIENCE

To transform the Institution into a world renowned centre of learning with global competency with regard to educational research and development, and employability, and continually strive to uplift the under privileged masses of this region.

Vision

Mission

To provide students with quality education that kindles creativity, encourages innovation and inculcates ethical practices thereby enabling them to compete in the Global Technical arena successfully. To help them gain an edge over others in the employment market and to make a difference in their career.

MESSAGE FROM THE CHAIRMAN



Shri. Gerald Selvaraja
Chairman, Bethlahem Group

We are living in an era where technological revolution is a dominant force for the growth and prosperity of nation. Sound professional qualifications are the important credentials essential for today's youth to succeed in this scenario. I am happy that Bethlahem Institute of Engineering has made a mark of excellence in the field of technical education. It is my endeavor to make it a reputed Institute at the national level. Excellence in education is the energetic principle at Bethlahem group of Institutions. All activities are focused on the needs of the students to nurture and guide them for a promising future. The Institution aspires to make every student to blossom into responsible individual who would be a life-long learner and a trust worthy citizen. It is my strong belief that BIoE shall be the choice for any aspiring youth who want to be a successful technocrat.

I welcome you all to join us on the journey towards a successful career.

MESSAGE FROM THE DIRECTOR



Er. T. Isan
Director

In today's rapidly evolving professional landscape, I am glad to record that Bethlahem Institute of Engineering imparts holistic education integrating the intellectual, social, physical and spiritual facets. BIoE campus is set in a beautiful landscape with a spectacular ambience for value based education. The broad motive behind our venture is to produce quality education. It provides the best infrastructural facilities with state-of-the-art technology. The institute provides a platform for the students to pursue their research interests and translate innovative ideas into prototypes. I am confident that BIoE, will continue to create world quality Engineers, good human beings and worthy citizens.

It is my pleasure to extend a warm welcome to you all to BIoE.

MESSAGE FROM THE PRINCIPAL

Dr. S. Jerald Jeba Kumar
Principal



It gives me immense pleasure to see that you have opted Bethlahem Institute of Engineering to pursue your higher Education. BIoE has been doing yeomen service in shaping the destiny of young technocrats. We aim at establishing bench marks in academic excellence and holistic development of students to meet the career challenges in the increasing globalized economic scenario. The team of dedicated and highly qualified members of the teaching fraternity with the aid of state-of-the-art laboratories will make you build your capabilities in a way that fits your passion and aspiration and guide each of you to land on lucrative jobs by transmitting your intellectual strength by clutching you with surging love and unshakable faith. It has been proved by our placement records over recent years.

Feel proud of becoming a part of this esteemed Institution and make your life joyous and meaningful. I pray to God Almighty to shower his manifold blessings upon you to mould you a great personality.

MESSAGE FROM THE DEAN

Dr.N.Selvaraj
Dean



Bethlahem Institute of Engineering is one among the best Engineering colleges in Tamilnadu with an enviable track record. With best infrastructure dedicated, qualified and experienced faculty, excellent performance of students in academics, sports, games and cultural activities, BIoE is held esteem especially in South Tamilnadu. BIoE takes maximum interest in finding placements for our students through on campus and off campus interviews.

BIoE is committed to develop a high quality, professionally groomed Engineering manpower with respect for the profession, social values, moral values and spirit of service. It is my sincere desire that youth who are looking for a profession in Engineering can join BIoE for their journey to success in life.

COURSES OFFERED

- B.E - AUTOMOBILE ENGINEERING**
- B.E - CIVIL ENGINEERING**
- B.E - COMPUTER SCIENCE AND ENGINEERING**
- B.E - ELECTRICAL AND ELECTRONICS ENGINEERING**
- B.E - ELECTRONICS AND COMMUNICATION ENGINEERING**
- B.E - MECHANICAL ENGINEERING**
- B.TECH-INFORMATION TECHNOLOGY**



ELIGIBILITY CRITERIA

H.Sc (ACADEMIC) OR OTHER EQUIVALENT EXAMINATIONS WITH MINIMUM PRESCRIBED AVERAGE MARKS IN MATHEMATICS, PHYSICS AND CHEMISTRY

B.E FIRST YEAR

OR
H.Sc (VOCATIONAL) OR OTHER EQUIVALENT EXAMINATIONS WITH ANY ONE OF THE ENGINEERING RELATED SUBJECTS (MATHEMATICS, PHYSICS AND CHEMISTRY) WITH MINIMUM PRESCRIBED AVERAGE MARKS.

B.E SECOND YEAR

DIPLOMA IN ENGINEERING AND TECHNOLOGY WITH MINIMUM PRESCRIBED MARKS IN ALL SEMESTERS.

OR

B.Sc WITH MATHEMATICS AT H.Sc LEVEL OR WITH MATHEMATICS AS CORE OR ANCILLARY SUBJECTS WITH MINIMUM PRESCRIBED MARKS IN ALL SEMESTERS.

45%

GENERAL , KERALITES

40%

BC/BCM/MBC&DNC/SC/SCA/ST



- M.E - APPLIED ELECTRONICS**
- M.E - COMMUNICATION SYSTEMS**
- M.E - COMPUTER SCIENCE AND ENGINEERING**
- M.E - MANUFACTURING ENGINEERING**
- M.E - POWER ELECTRONICS AND DRIVES**
- M.E - STRUCTURAL ENGINEERING**

ELIGIBILITY CRITERIA

50%

GENERAL , KERALITES

45%

BC/BCM/MBC&DNC/SC/SCA/ST

M.E FIRST YEAR

B.E/ B.TECH IN THE RELEVANT DISCIPLINE

OR

AMIE DEGREE ALONG WITH TWO YEARS OF WORK EXPERIENCE

DEPARTMENTS

Bethlehem Institute of Engineering aims at imparting quality education to students through different branches of study with a team of well-qualified, experienced and dedicated faculty members. Each department is well equipped with state-of-the-art laboratories.

AUTOMOBILE ENGINEERING

Department of Automobile Engineering aims at imparting knowledge to design vehicles with lesser pollution and better safety standards. Automobile Engineers have excellent job opportunities in various fields like process of designing, developing, research & development, automobile service, maintenance & transport departments.

LABORATORIES

- * AUTOMOTIVE COMPONENTS LAB
- * AUTOMOTIVE FUELS AND LUBRICANT LAB
- * AUTOMOTIVE ELECTRICAL & ELECTRONICS LAB
- * TWO AND THREE WHEELERS LAB
- * ENGINE PERFORMANCE AND EMISSION LAB
- * VEHICLE MAINTENANCE LAB

DEGREE	COURSE
B.E	AUTOMOBILE ENGINEERING



CIVIL ENGINEERING

Department of Civil Engineering involves planning, designing and execution of structured works. The Civil Engineers can use their talents in the field of Building Material, Building Construction, Structural Engineering, Environmental Engineering etc.

LABORATORIES

- * SURVEY LAB
- * SOIL MECHANICS LAB
- * STRENGTH OF MATERIALS LAB
- * CONSTRUCTION LAB
- * HIGHWAY ENGINEERING LAB
- * STRUCTURAL ENGINEERING LAB



DEGREE	COURSE
B.E	CIVIL ENGINEERING
M.E	STRUCTURAL ENGINEERING

DEPARTMENTS

COMPUTER SCIENCE & ENGINEERING

Department of Computer Science & Engineering gives the students a firm footing into intricacies of technologies such as algorithm, circuit, database, programming languages, modeling etc. Computer Science and Engineering professionals have carrier opportunities in research, industry business organizations and many more.

LABORATORIES	
*	PROGRAMMING LAB
*	DATA STRUCTURE LAB
*	SOFTWARE DEVELOPMENT LAB
*	OPERATING SYSTEM LAB
*	SECURITY LAB
*	OBJECT ORIENTED & ANALYSIS LAB

DEGREE	COURSE
B.E	COMPUTER SCIENCE & ENGINEERING
M.E	COMPUTER SCIENCE & ENGINEERING



ELECTRICAL & ELECTRONICS ENGINEERING

Department of Electrical and Electronics Engineering deals with the study and application of the principles of electricity to develop machines, devices and systems. Electrical Engineers can be absorbed in areas related to the power generation, distribution, transmission, communication, product designing and electronics industry and so on.

LABORATORIES	
*	CIRCUIT THEORY LAB
*	ELECTRIC CIRCUITS LAB
*	MEASUREMENTS & INSTRUMENTATION LAB
*	ELECTRICAL MACHINES LAB
*	POWER ELECTRONICS LAB
*	POWER SYSTEM SIMULATION LAB



DEGREE	COURSE
B.E	ELECTRICAL & ELECTRONICS ENGINEERING
M.E	POWER ELECTRONICS & DRIVES

DEPARTMENTS

ELECTRONICS & COMMUNICATION ENGINEERING

Department of Electronics & Communication Engineering provides the students a pragmatic view of the scenario of Electronics and Communication in industry and equip them with concepts related to it. Electronics and Communication Engineering graduates find opportunities in the terrestrial and extra terrestrial communication systems space like telephones, television, satellites, radar, remote sensing.

LABORATORIES

- * ELECTRONICS LAB
- * DIGITAL SIGNAL PROCESSING LAB
- * COMMUNICATION SYSTEM LAB
- * MICROPROCESSORS & MICROCONTROLLERS LAB
- * ELECTRONICS SYSTEM DESIGN LAB
- * OPTICAL AND MICROWAVE LAB

DEGREE	COURSE
B.E	ELECTRONICS & COMMUNICATION
M.E	APPLIED ELECTRONICS
	COMMUNICATION SYSTEMS



MECHANICAL ENGINEERING

Department of Mechanical Engineering deals with the innovative application of science in designing parts and products required for any machineries to work. Mechanical Engineers can be placed in almost all sectors including automobile, biomechanical, aeronautical and space research

LABORATORIES

- * MECHANICAL WORKSHOPS
- * MANUFACTURING TECHNOLOGY LAB
- * THERMAL ENGINEERING LAB
- * CAD/CAM LAB
- * METROLOGY AND MEASUREMENT LAB
- * MECHATRONICS LAB



DEGREE	COURSE
B.E	MECHANICAL ENGINEERING
M.E	MANUFACTURING ENGINEERING

DEPARTMENTS

INFORMATION TECHNOLOGY

Department of Information Technology deals with the information processing techniques, data security, enhanced computer applications and its supporting hardware peripherals. IT professionals can be placed as software developers, Mobile application developers, software Engineer, Application Analyst, IT Consultant, industry business organizers and many more.

LABORATORIES

- * DATABASE MANAGEMENT SYSTEMS LAB
- * MOBILE APPLICATION DEVELOPMENT LAB
- * CLOUD COMPUTING LAB
- * WEB TECHNOLOGY LAB
- * PYTHON PROGRAMMING LAB
- * DATA MINING & DATA WAREHOUSING LAB

DEGREE	COURSE
B.E	INFORMATION TECHNOLOGY



SCIENCE & HUMANITIES

LABORATORIES

- * LANGUAGE LAB
- * PHYSICS LAB
- * CHEMISTRY LAB

Department of Science & Humanities imparts fundamental knowledge in all facets of Science, Mathematics and English which is needed to acquire better expertise in all disciplines of Engineering.

Today's global requirement places English communication skills as a crucial factor in making the students employable. Our Language laboratory is equipped to develop the personality, communication and soft skills of the students and social backgrounds to boast them in the modern and globally competitive environment.



FACILITIES

LIBRARY

The Institution has well-stocked library with 24000+ books on subjects related to the courses taught, in addition to literary volumes and ready reference encyclopedias. It subscribes National and International journals in addition to important newspapers and magazines. E-journal facility has been subscribed with DELNET center which provides online access to various journals and periodicals.



HOSTEL



The Institution runs separate hostels for boys and girls with comfortable and hygienic surrounding. All facilities are made available within the campus. Both the hostels are designed with a multi-gym and spacious playground facilities. Entertainment hall with television facility is also available.

CANTEEN

The Institution has a well furnished and hygienic canteen which serves nutritious food for the students, staff and visitors. Separate dining hall for boys and girls. Food menu is changed periodically to cater the needs of students. The food provided in the canteen maintain the food quality levels of Food Safety and Standards Authority of India (FSSAI)



TRANSPORT



A transport department functions in the Institution with a fleet of buses to provide transport facility to students and faculty from various parts of the Kanyakumari and Trivandrum Districts.

CO-CURRICULAR ACTIVITIES

PROFESSIONAL SOCIETY MEMBERSHIP

- ★ ISTE
- ★ ICT Academy
- ★ NPTEL Chapter
- ★ ASCE Chapter
- ★ ASME Chapter



TECHNICAL ASSOCIATION

Association organizes various technical events on recent trends to equip the students to conform to the diverse requirements of industry.

- ★ Symposium
- ★ Conference
- ★ Workshop
- ★ Seminar

INDUSTRIAL VISIT

To experience industry operation students are taken for Industrial Visit once in every semester.

INTERNSHIP

To enhance the practical knowledge students undergo Internship during the vacation.

EXTRA CURRICULAR ACTIVITIES

CLUB ACTIVITIES

- ★ Cultural Club
- ★ Eco Club
- ★ Red Ribbon Club
- ★ NSS
- ★ Blood Donation Camp
- ★ NCC

SPORTS

- ★ Playground facilities are available for sports & games.
- ★ Mechanized multi-gym is also available.
- ★ Our students participated in zonal -level competitions and tagged medals.



ALUMNI ASSOCIATION

BloE has produced Leaders, Engineers, Managers who collectively have a wealth of knowledge and experience. The BloE Alumni Association brings all these outstanding people together on a single platform.

QUALITY ENHANCEMENT CELLS

RESEARCH & DEVELOPMENT CELL

- ★ Undertake research in newly emerging fields & publishing in high impact Journals.
- ★ Develop innovative research that leads to patentable inventions
- ★ Materialize Memorandum of Understanding with Educational Institutions and Industries
- ★ Initiates Projects for innovative product development.



CARRIER GUIDANCE AND PLACEMENT CELL (CGPC)

The Institution offers career guidance on all aspects of career planning, job searching, & post graduate studies. CGPC focuses on Communication & Soft Skills, Personality Development, Aptitude Training, Gate coaching & NAC Techexams. Students are getting better placement through campus interviews in various departments.



ENTREPRENEURSHIP DEVELOPMENT CELL

EDC aims to promote entrepreneurship & develop entrepreneurial abilities

ANTI-RAGGING COMMITTEE

Anti - ragging committee is headed by the Head of the Institution to prevent ragging in the Institution.



ACHIEVEMENTS

Students have proved their talents & skills in different ways & brought laurels to the Institute. Here is a list of achievements made by students of various departments in different fields.



CAMPUS GLIMPSE



COLLEGE DAY CELEBRATION



SPORTS DAY



ALUMINI MEET



ONAM CELEBRATION



WOMENS DAY CELEBRATION



CHRISTMAS CELEBRATION



CULTURAL EVENTS



INDEPENDENCE DAY CELEBRATION



GRADUATION CEREMONY



UNIVERSITY RANK



COLLEGE CHOIR



FRESHERS DAY



SPORTS



LIBRARY (JOURNALS & PERIODICALS)



CLASS ROOM

CAMPUS GLIMPSE



DRUG AWARENESS



ENTREPRENEURSHIP AWARENESS



ISTE MOTIVATIONAL TALK



CIVIL ENGINEERING WORKSHOP



EEE INVITED TALK



CSE MOTIVATIONAL TALK



HACKATHON WORKSHOP (ICT)



ANTI RAGGING AWARENESS



ROAD SAFETY AWARENESS



MECHANICAL ENGINEERING INVITED TALK



NATIONAL LEVEL SEMINAR (IoT)



BLOOD DONATION CAMP



AWARENESS PROGRAM



INDUSTRY-INSTITUTION INTERACTION PROGRAM



CAMPUS PLACEMENT

LOCATION



ADMISSION HELPLINE

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04651 - 268007



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