

BETHLAHEM INSTITUTE OF ENGINEERING

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

Accredited by NAAC with A Grade

Recognized under Section 2(f) of the University Grants Commission (UGC) Act, 1956



PROSPECTUS

COUNSELLING
CODE
4992



WELCOME TO BETHLAHEM

Bethlahem Institute of Engineering (BIOE), Karungal, is a premier educational institution known for its commitment to ethics, creativity, and innovation in engineering and technology. Established in 2008 by the Nesamony Memorial Trust, the institute aims to educate and empower young minds in Engineering and Technology. BIOE is approved by the All India Council for Technical Education (AICTE), New Delhi, and is affiliated with Anna University, Chennai. It has also been accredited with an 'A' grade by NAAC (1st Cycle). Professionally managed, BIOE is part of a network of nine educational institutions under the Nesamony Educational Trust. The institution is widely recognized for its technical excellence, modern facilities, and eco-friendly environment, which fosters the all-round development of students. The campus provides an ideal setting for young minds to explore new ideas, stimulate creativity, and drive innovation. With high academic standards, rigorous internal evaluation, state-of-the-art infrastructure, highly qualified faculty, and exceptional opportunities, BIOE has become a preferred destination for engineering aspirants.

Bethlahem Institute of Engineering is located on a sprawling 15-acre eco-friendly campus in Karungal, Kanyakumari district, Tamil Nadu. BIOE enjoys a strategic location. It is 48 km from Cape Comorin (the southernmost tip of India and an international tourist destination), 23 km from Nagercoil (the district headquarters of Kanyakumari), and 58 km from Trivandrum (the capital of Kerala). The nearest airport, Trivandrum, is 58 km away, and the closest railway station, Kuzhithurai, is just 10 km from the campus.



COLLEGE VISION

To become a premier institution and centre of professional education with moral ethics in engineering and technology to produce socio-friendly technocrats.

COLLEGE MISSION

- * To provide quality skill-based professional education for all deserving candidates belonging to all sectors of society.
- * To adopt innovative strategies, add-on courses, and establish the state-of-the-art infrastructure for effective teaching learning processes and research activities.
- * To attract and nurture the excellent and committed faculty members and the technical workforce.
- * To organize healthy interactions with the stakeholders for the students' overall personality development.
- * To inculcate the social responsibilities among the prospective engineers.

EDUCATIONAL EXCELLENCE ASSUARANCE



Bethlahem Institute of Engineering (BIOE) has established an Internal Quality Assurance Cell (IQAC) to uphold and enhance the Teaching-Learning Process and Evaluation (TLPE) through various specialized initiatives. These include:

Faculty Development Programs (FDPs) focused on quality assurance, accreditation, and Outcome-Based Education (OBE). Faculty Orientation Programs (FOPs) to facilitate faculty training and continuous learning. Student Development Programs (SDPs) aimed at fostering individual and team-based learning. Student Orientation Programs (SOPs) designed to enhance students' academic and professional growth. To ensure continuous quality enhancement at the departmental level, each department follows a structured framework that includes Program Coordinators, Module Coordinators, the Program Assessment Committee (PAC), and the Department Advisory Board (DAB). At the institutional level, IQAC leads and monitors quality assurance efforts. BIOE is committed to faculty development and lifelong learning through the Performance-Based Appraisal System. Each semester, faculty members undertake professional courses on online platforms like NPTEL and Coursera, positioning BIOE as an NPTEL nodal center. Additionally, the institution has signed an MoU with IIT Bombay Remote Centre, allowing students and faculty to interact with IIT Bombay professors and participate in skill-based training programs.

With a strong emphasis on Outcome-Based Education (OBE), BIOE has been awarded an 'A' grade by the National Assessment and Accreditation Council (NAAC) for five years (valid from January 16, 2025, to January 15, 2030). BIOE is among the select institutions in the southern part of Tamil Nadu to receive an 'A' grade from NAAC in its first accreditation cycle.



Dr. S. A. praylin Selva Blessy
IQAC Coordinator

ENLIGHTENED LEADERS



Shri. Gerald Selvaraja

CHAIRMAN

Sound professional qualifications are essential for today's youth to succeed in the evolving world. I am pleased to say that Bethlehem Institute of Engineering (BIOE) has established a strong reputation for excellence in technical education. My goal is to elevate BIOE to national recognition. Excellence in education is the core principle at Bethlehem Group of Institutions, with every activity focused on addressing the needs of students and guiding them toward a promising future. The institution strives to help each student grow into a responsible individual, equipped to be a lifelong learner and a trustworthy citizen. I firmly believe that BIOE will be the top choice for any aspiring youth who seeks to become a successful technocrat. We are dedicated to providing the best opportunities for career development, personal growth, and academic excellence. I warmly welcome all of you to join us on this exciting journey toward a successful and fulfilling career.

DIRECTOR

In today's rapidly evolving professional landscape, I am pleased to share that Bethlehem Institute of Engineering (BIOE) is committed to providing a holistic education that integrates intellectual, social, physical, and spiritual development. Our goal is to offer high-quality education that excels academically while nurturing well-rounded individuals. BIOE takes pride in providing state-of-the-art infrastructure and technology, ensuring that students have access to cutting-edge resources for an enhanced learning experience. The institute also offers a dynamic platform for students to explore their research interests, fostering innovation and creativity. Students are encouraged to turn their ideas into prototypes, promoting hands-on learning and critical thinking. I am confident that BIOE will continue to produce engineers who are not only technically proficient but also responsible citizens and compassionate human beings. It is my pleasure to extend a warm welcome to all of you to Bethlehem Institute of Engineering.

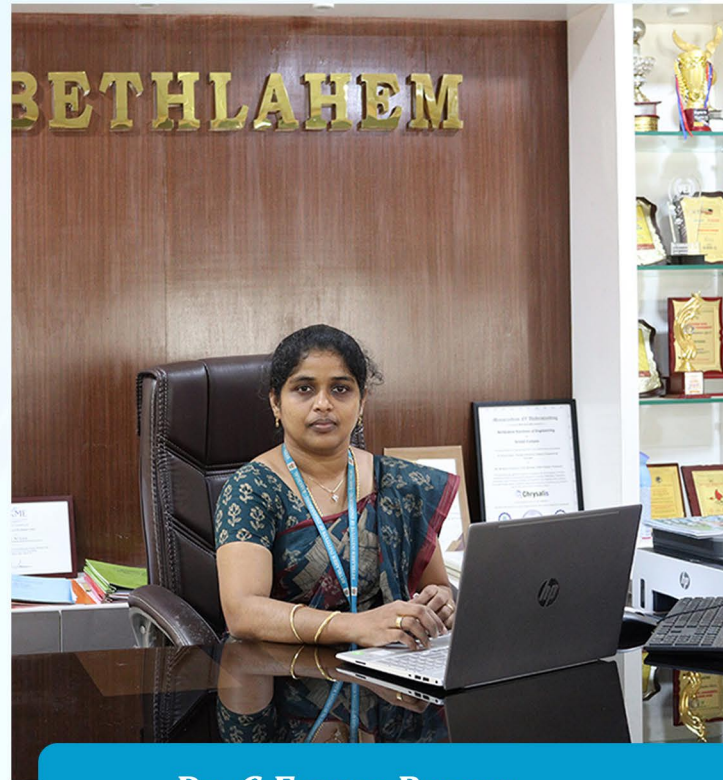


Er. T. Isan

PRINCIPAL

Bethlehem Institute of Engineering (BloE) is recognized as one of the premier engineering colleges in Tamil Nadu, with an exceptional track record of success. Boasting state-of-the-art infrastructure and a team of dedicated, qualified, and experienced faculty, BloE stands out for its excellent performance in academics, sports, games, and cultural activities. The institute enjoys a strong reputation, particularly in South Tamil Nadu.

BloE places a strong emphasis on student placements, organizing both on-campus and off-campus interviews to ensure students secure promising career opportunities. The institute is committed to developing highly skilled, professionally groomed engineering professionals who uphold the highest standards of respect for the profession, social and moral values, and a spirit of service. It is my sincere belief that aspiring engineers seeking a bright future should choose BloE as their platform for success.



Dr. C.Emmy Prema

DEAN



Dr. S. Jerald Jeba kumar

Bethlehem Institute of Engineering (BIOE) is widely recognized as one of the top engineering colleges in Tamil Nadu, with an exceptional and enviable track record. The institute is equipped with state-of-the-art infrastructure, and its faculty consists of dedicated, qualified, and experienced professionals who are committed to shaping the future of students. BIOE is highly regarded for the outstanding performance of its students in academics, sports, games, and cultural activities, earning it great esteem, particularly in South Tamil Nadu.

The institute also prioritizes student placements, taking proactive steps to ensure maximum opportunities through both on-campus and off-campus interviews. BIOE is deeply committed to nurturing high-quality, professionally trained engineers who are not only skilled but also hold a deep respect for the profession, social and moral values, and the spirit of service. It is my sincere hope that young aspirants seeking a career in engineering choose BloE as their pathway to success.

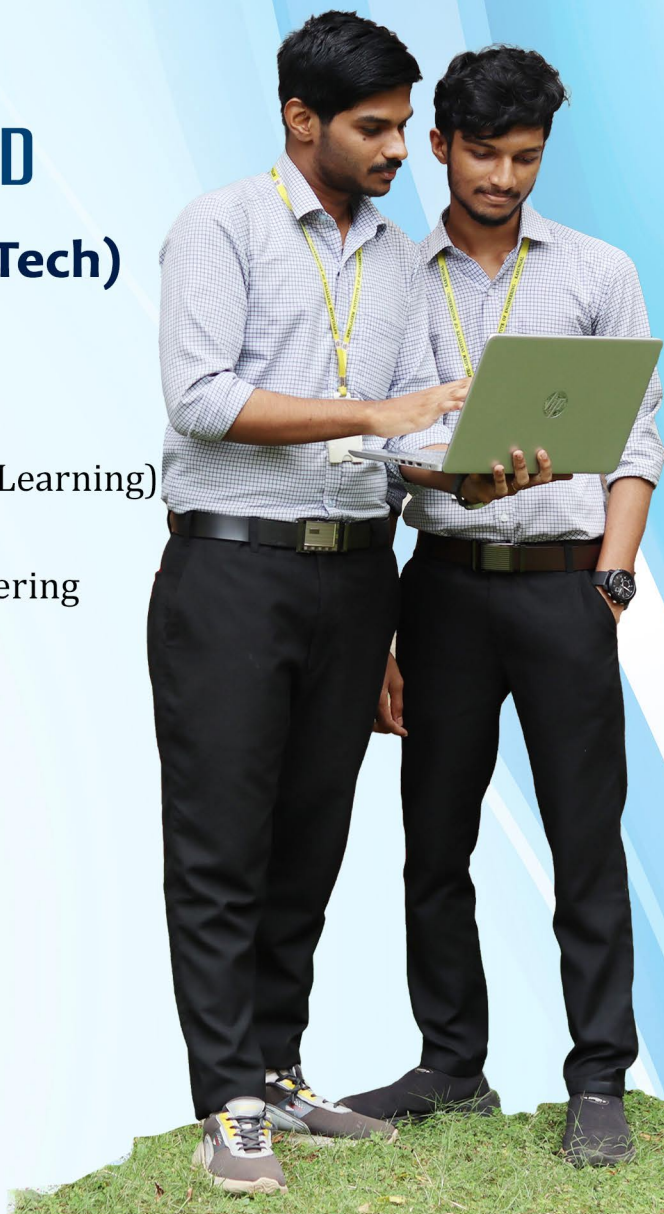
PROGRAMMES OFFERED

UNDERGRADUATE (B.E/B.Tech)

Biomedical Engineering
Civil Engineering
Computer Science & Engineering
CSE(Artificial Intelligence & Machine Learning)
Electrical & Electronics Engineering
Electronics & Communication Engineering
Information Technology
Mechanical Engineering

POSTGRADUATE (M.E)

Structural Engineering
Computer Science and Engineering
Power Electronics and Drives
Communication Systems
Manufacturing Engineering



FEE DETAILS

Sl. No	Programmes	Fee Structure per Year	
		Government Quota (₹)	Management Quota (₹)
UG Programmes			
1	Biomedical	50,000	80,000
2	Civil	50,000	80,000
3	CSE	50,000	80,000
4	CSE (AI & ML)	50,000	80,000
5	EEE	50,000	80,000
6	ECE	50,000	80,000
7	Mech	50,000	80,000
8	IT	50,000	80,000
PG Programmes			
1	SE	50,000	50,000
2	CSE	50,000	50,000
3	PED	50,000	50,000
4	CS	50,000	50,000
5	ME	50,000	50,000

BACHELOR OF ENGINEERING

45%

GENERAL
KERALITES

40%

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

MASTER OF ENGINEERING

45%

GENERAL
KERALITES

40%

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

B.E FIRST YEAR

H.Sc (Academic) or other equivalent examinations with minimum prescribed average marks in Mathematics, Physics and Chemistry

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.

M.E FIRST YEAR

B.E/ B.Tech in the relevant discipline

or

AMIE degree along with two years of work experience

PROGRAMMES

BIOMEDICAL ENGINEERING

Biomedical engineering combines engineering principles with medical and biological sciences to design and develop healthcare technologies. It includes creating medical devices, prosthetics, imaging systems, and artificial organs. The field aims to improve patient care, diagnostics, and treatment, bridging the gap between engineering innovation and medical needs for better health outcomes.



Biomedical Instrumentation Lab

Human Physiology Lab

Diagnostic Equipment Lab

Biochemistry Lab

Medical Electronics Lab

Microcontroller Lab

LABORATORIES



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



COMPUTER SCIENCE AND 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 career opportunities in Research, Industry Business Organizations and many more



Programming Lab
Data Structure Lab
Software Development Lab
Operating System Lab
Security Lab
Object Oriented & Analysis Lab

LABORATORIES



CSE(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

Computer Science & Engineering with a focus on Artificial Intelligence (AI) and Machine Learning (ML) explores the development of intelligent systems that can learn, adapt, and make decisions. This field combines algorithms, data science, and computational theory to solve complex problems in automation, robotics, and predictive analytics.

LABORATORIES

Artificial Intelligence & Machine Learning Lab
Data Science Lab
Software Development Lab
Operating System Lab
Security Lab
Object Oriented & Analysis Lab



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, Electronics industry, Communication, Product Designing, and so on.



Instrumentation Lab
Circuit Theory Lab
Electric Circuits Lab
Electrical Machines Lab
Power Electronics Lab
Power System Simulation Lab

LABORATORIES



ELECTRONICS AND 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 & Communication Engineering graduates find opportunities in the terrestrial and extra terrestrial communication systems like Telephones, Television, Satellites, Radar, Remote Sensing etc.

LABORATORIES

Electronics Lab
Digital Signal Processing Lab
Communication System Lab
Electronics System Design Lab
Optical and Microwave Lab
Nano Electronics Lab



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 Engineers, Application Analysts, IT Consultants and many more.



Database Management Systems Lab
Mobile Application Development Lab
Cloud Computing Lab
Web Technology Lab
Python Programming Lab
Data Mining & Data Warehousing Lab

LABORATORIES



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



LIBRARY

The Institution features a well-stocked library with over 24,000 books, covering subjects relevant to the courses offered, as well as a diverse collection of literary volumes and reference encyclopedias. It subscribes to a range of national and international journals, alongside important newspapers and magazines, ensuring access to up-to-date, relevant information. Additionally, the library offers an E-journal facility through the DELNET (Developing Library Network) center, providing a wealth of digital resources to support academic and research endeavors for both students and faculty.



CANTEEN

The institution features a well-furnished, hygienic canteen that serves nutritious, delicious meals for students, staff, and visitors. Designed for comfort and cleanliness, it offers a pleasant dining experience. Separate dining halls are provided for boys and girls, ensuring privacy and convenience. The food adheres to the highest standards of quality and safety, complying with the Food Safety and Standards Authority of India (FSSAI). The institution is dedicated to providing healthy, balanced meals that promote the well-being of everyone on campus.



FACILITIES

HOSTEL

The institution provides separate hostels for boys and girls, ensuring comfortable and hygienic living conditions. All essential facilities are conveniently available within the campus for ease of access. Additionally, an entertainment hall with television facilities is provided, offering students a space for relaxation and recreation.



TRANSPORT

The institution operates a dedicated transport department with a fleet of buses to provide convenient transportation services for students and faculty. These buses cover various routes across Kanyakumari and Trivandrum districts, ensuring easy and safe commute to and from the campus for everyone.



CO-CURRICULAR ACTIVITIES

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



PROFESSIONAL SOCIETY MEMBERSHIP

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

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

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.

SPORTS

Playground facilities are available for sports and games. Students have participated and won medals in sports and games

CLUB ACTIVITIES

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



QUALITY ENHANCEMENT CELL



RESEARCH AND 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

ENTREPRENEURSHIP DEVELOPMENT CELL

EDC aims to promote entrepreneurship & develop entrepreneurial abilities

CAREER GUIDANCE & PLACEMENT CELL

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.

ANTI RAGGING COMMITTEE

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



GALLERY



GRADUATION DAY



COLLEGE DAY



ACADEMIC EXCELLENCE AWARD



IIT BOMBAY REMOTE CENTER



ONAM CELEBRATION



CHRISTMAS CELEBRATION



EDUCATIONAL TOUR



CLASS ROOM



LIBRARY(JOURNALS & PERIODICALS)



PLACEMENT DRIVE



VALUE ADDED COURSE



CUTURAL EVENTS



SPORTS DAY



WOMENS DAY CELEBRATION



COLLEGE CHOIR



CONFERENCE



KIDNEY CAMP(NSS)



SPORTS



CAMPUS HIGHLIGHTS



GREEN ENVIRONMENT
Green fougere - in the midst
of great green carpet



SCHOLARSHIP
Let not the money
be a hurdle



LIBRARY
Knowledge hub for
techno buddies



LAB FACILITIES
Practical dias for the
Techno poets



PLACEMENT
Spread your wings
to fly high

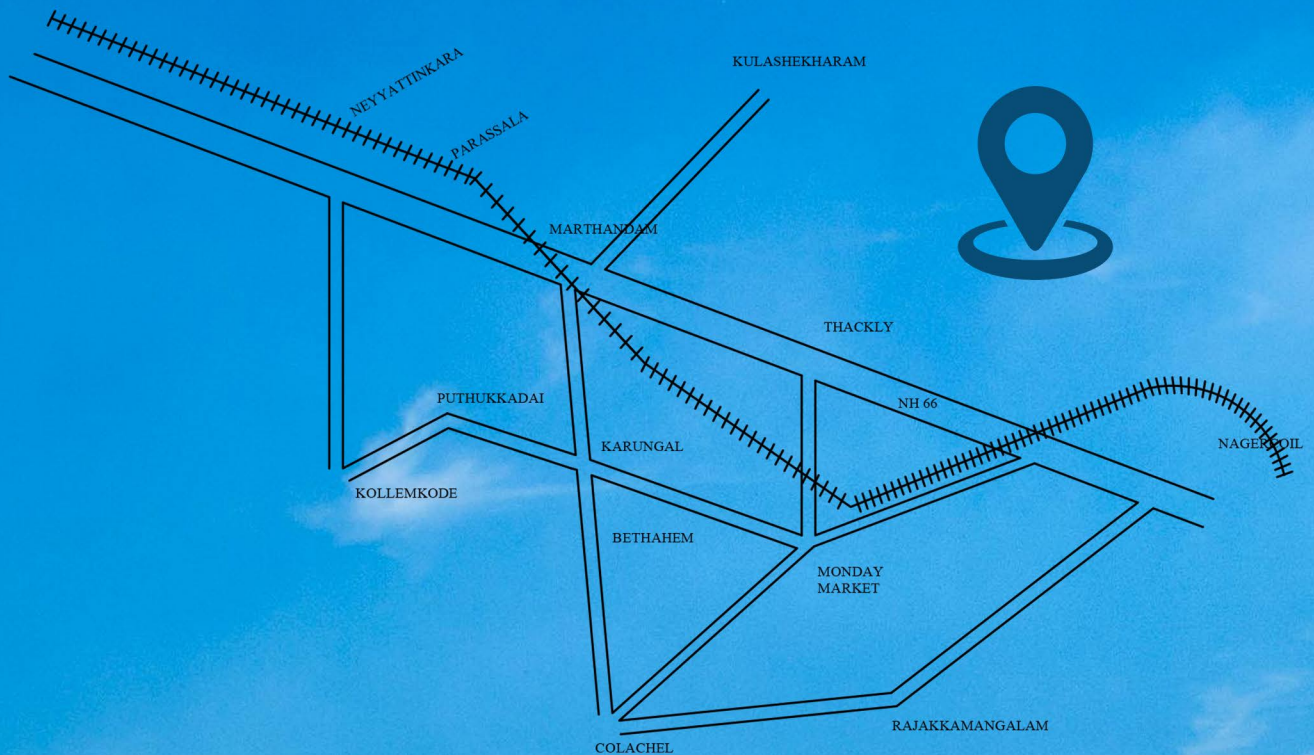


FACULTY
Guiding stars for the
future superstars



OUR RECRUITERS





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