CHESS COMPETITION

The chess competition was held at Bethlahem Institute of Engineering on March 23, 2019. The active participation of the students made the event a grand success. In the end, the best student award was presented by the principal.



SURVEY CAMP



The Department of Civil Engineering successfully conducted a Survey Camp for the Third year students in Courtallam, Tenkasi District from 31st May, 2019 to 09th June, 2019 (A ten-day program). The field experiment location was showed to the students using conventional and advanced equipment. Certificate Training Program was conducted by Survey Consultant, Ladder Survey Institute and Technology, Chennai. The survey camp was a great success and the students enjoyed a lot.

EDITORIAL TEAM

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Dr. A. Justin Diravium PRINCIPAL

ASSOCIATE EDITORS

Ms. S.A Praylin Selva Blessy Assoc. Prof./Dept. of ECE Mr. M. Saravanan HoD/Dept. of S & H

DESIGN

Ms. Aleesha Livingston L Asst. Prof./Dept. of ECE

STUDENT EDITORS

Mr. Sudheesh S
IV ECE
Ms. Bhuvaneshwari P
IV ECE

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.

Bethlahem Institute of Engineering

Nadutheri, Karungal, Kanyakumari District, Tamilnadu - 629157, India. Phone : 04651 - 268466, 268655 mail@bethlahem.org, www.bethlahem.org

BETH CHRONICLES

THE OFFICIAL NEWSLETTER OF BETHLAHEM INSTITUTE OF ENGINEERING

VOLUME 4, ISSUE 2

JANUARY 2019 TO JUNE 2019

GRADUATION DAY

The 7th Graduation Day was celebrated on 30th March, 2019. The celebrations started with the academic procession in which the dignitaries, the Chief Guest, Director, Director (Academics), Principal and Heads of various Departments were ushered to the venue of the function. The Chief Guest Dr.A.Albert Rajan, Deputy Registrar, Karunya University shared words of encouragement with the graduands and distributed the degrees.







"The best way to predict your future is to create it." - Abraham Lincoln

ALUMNI MEET

The first Alumni meet was held on 8th June, 2019. It was an incredible reunion of 2008, 2009 and 2010 batches. The Chief Guest Dr.James R.Daniel (Formerly Principal, Scott Christian College) emphasized the role of Alumni and the importance of Alumni meet. The charming, spectacular and awesome day ended with memories to cherish with new hopes. Prof.M.Saravanan, Secretary and Dr.C.Emmy Prema, Treasurer of Alumni Association together with a team of staff members arranged all the necessities of the program.



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NATIONAL LEVEL CONFERENCE - CHAKRA'19



RECENT TRENDS AND DEVELOPMENTS IN MECHANICAL ENGINEERING

A National Conference on Recent Trends and Developments CHAKRA'19 was organized by the Department of Mechanical Engineering on February 22, 2019, at Bethlehem Institute of Engineering, Karungal. Prof. Jeya Raj, HoD/Mech, welcomed the chief guest and the participants. Prof. M. Abraham Suba Raj introduced the chief guest. The lecture was delivered by Er. A. David Dason, DGM, ISRO Mahendragiri. He shared his knowledge on recent trends and developments in the mechanical field and provided strategies for advancing in this successful arena. Students found this session to be very useful.



BLOOD DONATION CAMP

Bethlahem Institute of Engineering organized a Blood Donation Camp on March 14, 2019, showcasing the Institution's commitment to social responsibility and public health. The event provided an opportunity for educators, staff and students to donate blood thereby making a significant contribution to the local healthcare system. BIoE collaborated with nearby blood banks and healthcare providers to ensure a safe and efficient donation process, transforming our college campus into a hub of compassion and generosity.

The blood donation camps not only saved lives but also helped the academic community understand the importance of humanitarianism and the power of



teamwork for the betterment of society. BloE's aim is to create a culture of empathy & compassion that extends beyond academic pursuits.

Save blood save life

ANNUAL DAY-BETH FEST 2K19

The Annual Day is a special occasion that celebrates learning, talent, and achievement. It is a day that brings the entire institution together, promoting a sense of unity and shared accomplishment. By providing a platform for students to showcase their talent and rewarding their hard work, it plays a crucial role in shaping their overall development.

The 11th Annual Day of Bethlahem Institute of Engineering was celebrated on March 1st, 2019. The program traditionally began with an invocation song as a tribute to the mother language. The Principal, Dr.Selvaraj proudly presented the Annual report of the institution for the academic year 2018-2019. Report highlighted the following:

- MoUs signed with Industries
- Project Awards
- Regular activities
- Professional Society activities
- Programmes organized by IQAC
- Extension Activities
- Training & Placement Initiatives

Principal took the moment to record her gratitude to the management for the immeasurable support and guidance to all the endeavours.

PRESIDENTIAL ADDRESS

At the 11th Annual Day, Mr. Nellai Kannan gave a Presidential Address, urging students to work hard and stay focused. He appreciated parents' dedication and reminded students that there are numerous job opportunities available to those who demonstrate a positive attitude and sportsmanship

PRIZE DISTRIBUTION

Awards recognize individual progress, contributing to department and institutional growth. Exceptional undergraduate students recently received certificates, books, and the Best Library User Award for their academic achievements.





BEST DEPARTMENT AWARD

Since 2015, BIoE evaluate the academic and co-curricular performance of the students and faculty members based on specific criteria. Those who excel were presented with a recognition award. The 11th Annual Day celebration ended with a formal vote of thanks and the singing of the national anthem as a tribute to our country.



BETH CHRONICLES





ANUAL SPORTS MEET



The Bethlehem Institute of Engineering's 11th Annual Sports Meet on February 27th was electrifying. The day began with a beautiful choir performance followed by highly competitive events, including the Inter-House March Past. The Boys band, together for just 8 months, gave outstanding performances. Green House emerged as the House Champions, making it a day full of sportsmanship and unforgettable memories. Dr. Selvaraj thanked the teachers for their support and urged the students to continue embracing the institution's spirit of sportsmanship.



SPELLING BEE COMPETITION



Bethlahem Institute of Engineering organized an exciting Spelling Bee competition at Chellam Konam Government School on March 11, 2019, providing students with an opportunity to showcase their linguistic skills and compete in a fun and challenging environment. The competition aimed to promote vocabulary development, spelling accuracy, and language proficiency among students. Participants from various grade levels enthusiastically joined in rounds of spelling challenges, demonstrating their ability to spell words accurately under pressure. Through this event, BloE aimed to

encourage a love for language learning and provide students with a platform to enhance their communication skills. The Spelling Bee competition at Chellam Konam School, conducted by BloE, was a memorable and enriching experience for all participants, fostering a spirit of academic excellence and healthy competition.



International Women's Day was celebrated on 08.03.2019. The celebration began with inspiring keynote addresses from the Director and the Principal. The resource person, Dr. Sumithra Raghuvaran, focused on equal access to education, social and economic independence, equality in decision-making, and the ability to pursue any career path one chooses. The occasion served as a reminder of the significance of women's empowerment and gender equality, encouraging students to continue advocating for a fair and just society for everyone. Ms. Christal Saji delivered a formal vote of thanks to successfully .conclude the program











When life seems hard, the courageous do not lie down and accept defeat; instead, they are all the more determined to struggle for a better future.

PLANTATION

On 15th February 2019, Bethlehem Institute of Engineering, Karungal successfully completed a Tree Plantation event under the National Service Scheme on the college campus. Trees are the primary source of oxygen production in the environment, which helps to reduce the level of CO2. As we all know, the entire world is facing the issue of global warming, and planting trees has become one of the most crucial measures to combat this problem. Everyone felt happy and proud after the tree plantation event concluded because it truly feels great to contribute positively to nature.

TALENT SHOW



Bethlahem Institute of Engineering organized an enthralling Talent Show for the students of St. Ephrem Higher Secondary School, Sooriacode, on April 12, 2019. This event provided a platform for students to showcase their diverse talents and artistic abilities in front of their peers, teachers, and parents. From mesmerizing musical performances to captivating dance routines and spellbinding theatrical acts, the Talent Show showcased the incredible creativity and talent nurtured within the school community. Through this event, BloE aimed to inspire and encourage students to explore their passions, express themselves artistically, and build confidence in their abilities. The Talent Show fostered a spirit of camaraderie, appreciation for the arts, and celebration of individuality at St. Ephrem Higher Secondary School, Sooriacode, making it a memorable and enriching experience for all involved.

CHOOSE A CAREER

THAT SUITS YOU ...

Career Counselling on Entrepreneurship Skill,

Attitude & Behaviour Development

In today's dynamic and competitive world, fostering entrepreneurship skills, attitudes, and behaviors among individuals is crucial for personal and societal growth. Career counseling plays a pivotal role in guiding individuals towards exploring and nurturing these essential attributes. A career counselling program was organized by the Placement Cell 06-03-2019 to foster entrepreneurship skills, attitudes, and behaviors. Session started with the welcome address by Mr. Roshan Xavier X, AP/Automobile followed by the felicitation address by Dr. Justin Thiraviam, Principal. The resource person, Mr. Ramaiah Chidambaram motivated students to pursue entrepreneurship and emphasized that having the right skill set is crucial for success. During the session, the speaker also discussed the challenges that entrepreneurs face in their daily lives and encouraged students to embrace challenges, expand their horizons, and unlock their full potential throughout their lives. The session ended with the formal vote of thanks by Mr. Monikanda Kumar R, AP/Automobile.



CAREER GUIDANCE ON

GLIMPSE IN10 CORPORATE LEVEL



On February 19th, 2019, a career guidance session titled "Glimpse into Corporate Level" was conducted at 10:30 a.m. The session started with the welcome address by D. Martin, III Automobile student followed by the felicitation address by Dr. Justin Thiraviam, Principal. During the session, the speaker, Mr. Sooraj shared his experience of corporate culture and advised attendees on how to adapt to the corporate environment. In addition, the speaker discussed how to develop the ability to provide solutions to a wider range of problems. The attendees expressed confidence in their ability to pursue professional prospects in the corporate sector. Finally, the session ended with the vote of thanks by N.S. Nithin, III-year Automobile student

ENGLISH ELOCUTION

In view of Republic Day, the English Elocution event was held at Bethlahem Institute of Engineering at 2:00 p.m. on January 25th, 2019. The students actively participated, showcasing their talents and contributing to the grand success of the event. The best student was awarded by the principal.





The badminton competition was held at Bethlahem Institute of Engineering at 2.00 p.m. on March 1, 2019. The students energetically contributed, demonstrated their talents, and made the event a grand success. The best student was awarded by the principal.

VEGETABLE CARVING



The vegetable carving event took place at Bethlahem Institute of Engineering on February 14, 2019, at 3:00 p.m. The students participated actively, showcasing their talents & contributing to the great success of the event. The principal awarded the best student.



CUEST LECTURE ON SUCTABLITY AND SOCIAL INPACT IN STATE OF SOCIAL INPAC



The Department of Civil Engineering organized a session on Sustainability and Social Impact in Start-ups, coordinated by Ms. Eso Kumary Paul, Assistant Professor of the Civil Department. The resource person, Dr. M. C. Jobin Christ, began the session with a detailed presentation on the social impact in start-ups. He provided the students with valuable information and encouraged them to create their own identity. He shared the key points that in the realm of startups, sustainability and social impact have emerged as critical pillars driving innovation and success. The program was a resounding success.

ACCOLADES IN SPORTS AND GAMES



In the Anna University
Zonal Level Table Tennis
Tournament held at Stella
Mary's College of
Engineering, Azhikkal, the
Girls team secured III
place.



In the Tamil Nadu College Premier League, the Boys team became the League Stage winners in the District.



In the Anna University
Zonal Level Ball
Badminton held at Scott
Christian College,
Nagercoil, the Boys team
won II prize.



In the Tamilnadu College Premier League, the Boys team is qualified for semi-final held at Namakkal.



The Boys team secured III
Place in the Anna
University Zonal Level
Badminton held at
St.Xaviers Catholic College
of Engineering,



In the 38th Tamil Nadu State
Masters Athletic
Championship
Ms.M.Minimole,Physical
Director won III Place in 800
mts Running Race and 4 x 100
mts Relay Race.

SEMINAR ON Cloud Drops





A seminar entitled "Cloud Drops" was held on March 5, 2019, at 10:30 a.m. Mr. Biron Gifty, AP/CSE, opened the ceremony, and Dr. Justin Diraviam, the Principal, then delivered the presidential address. The presentation was given by Mr. Aravind A. I., Lead Architect of Ignitho Technologies in Kochi. Cloud computing, cloud security and cloud storage were all discussed at the event. The resource person addressed design concerns, interface strategies, visualizations, and virtual information. There was time allotted for questions and discussion on these topics. Vishal, a final-year CSE student, delivered a formal vote of thanks to conclude the program. The session provided insightful information about cloud technologies and was both entertaining and educational.

self defence training for airl students

Self Defence Training for Girl Students held within the premises of Bethlahem Institute of Engineering on 08th March 2019 exemplify the institution's commitment to both community health and social responsibility. Students were much enthrilled and gained more tactics in self defence. Through the training, the girls students were taught to become psychologically, intellectually and physically strong enough to protect themselves in times of distress.



"Self defense is not just a set of techniques, it's a state of mind that begins with the belief that you are worth defending"



NATIONAL LEVEL TECHNICAL SYMPOSIUM-LASTRA 2K19

The national-level technical symposium LASTRA, with the license plate number 1, was successfully held on February 8th, 2019. The event began with a formal inaugural function at 9:30 am in the conference hall of the civil department. The Director (Academics) Dr. R.I Rajidap Neshtar, Principal Dr. A. Justin Diraviam, and MJF Lion Er. P. Justin Paul, Founder Chairman of Builders Association of India, Kanyakumari (Chief Guest) graced the event with their presence. The function started with a prayer song followed by a welcome speech by Prof. Jegan Lal, HOD/Civil. Prof. J. Mercury Udhayam presented the annual report, followed by the Presidential address by the Director Academic Dr. R.I Rajidap Neshtar. The Principal Dr. A. Justin Diraviam then delivered the Inaugural address, followed by the key-note address by the Chief Guest MJF. Lion Er. P. Justin Paul. Meanwhile, the university's rank holders were honored by the Chief Guest. The Vote of Thanks was Proposed by the I-year M.E student R. Maria Jenisha.











Numerous technical and non-technical events were conducted in multiple venues, within the Civil Department. Students from Ponjesly College of Engineering, St. Xavier's College of Engineering, Mar Ephrem College of Engineering, Arunachala College of Engineering, Stella Mary's College of Engineering, DMI College of Engineering, Vins Christian College of Engineering, Rohini College of Engineering, Maria College of Engineering and Technology, CSI Institute of Engineering, and V.V College of Engineering participated in the events.

Book Published



S.A.PRAYLIN SELVA BLESSY

Intensity Inhomogeneity Correction in Brain MR Images Based on Filtering Method

ISBN number: 2327-0411

Journal Published



C. EMMY PREMA

Local Binary Pattern based Hybrid Texture Descriptors for the classification of Smoke Images

ISSN NUMBER: 2278-0181

JOURNAL NAME

International journal of
Engineering Research & Technology

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DOORS TO A WORLD
FULL OF ENDLESS
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Journal Published



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ISSN NUMBER: 09296212

JOURNAL NAME

Wireless Personal Communications

Throughput Enrichment &
Drooping Off Power Ingestion in
Ad Hoc Networks by EE-MAC
Protocol

ISSN NUMBER: 09296212

JOURNAL NAME

Wireless Personal Communications

Journal Published



ABRAHAM SUBARAJ. M

The corrosion rate of b4c particles reinforced with AI-SI alloy prepared by powder metallurgy in acidic solution using RSM

ISSN NUMBER: 2249-6890

JOURNAL NAME
International Journal of Mechanical
and Production Engineering
Research and Development

REPUBLIC DAY CELEBRATION









Republic Day in India is celebrated every year on the 26th of January. It was on this day that the constitution of India came into being, replacing the Government of India Act 1935 and making India a Republic Nation.

To commemorate this day, Bethlahem Institute of Engineering, celebrated the Republic Day on January 26, 2019, from 8.30 am to 9 30am. The students, faculties and staff of BIoE have participated in the programme. The National Flag was hoisted by the Principal Dr. Justin Draviam in the presence of the Academic Director Dr. R.I Rajidap Neshtar. The program ended with the National Anthem.