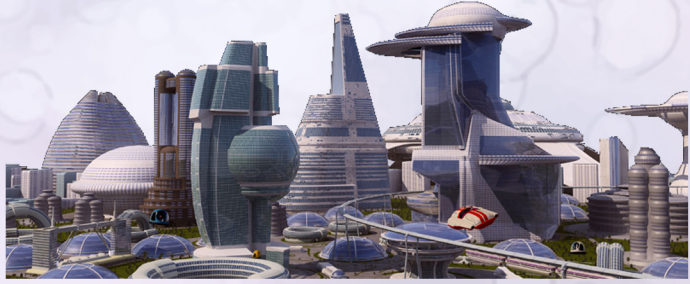


WEBINAR ON FUTURE TECHNOLOGIES FOR CONSTRUCTION INDUSTRIES



A webinar entitled "Future Technologies for Construction Industries" was conducted at the seminar hall on June 18, 2020. Mrs. P. Sharmini, Assistant Professor of Civil Engineering, extended a welcome address and introduced the chief guest, Mr. R. Selvaraj, Assistant Engineer at Southern Railway to the gathering. The resource person focused on recent advancements in the construction field highlighting that the industry often lacks understanding and implementation of advanced technologies. The session was highly beneficial for the students as they gained valuable insights. The webinar concluded with Bincy B. C, a fourth-year Civil Engineering student proposing a formal vote of thanks.

WEBINAR ON RESEARCH CHALLENGES IN IMAGE TEXTURE ANALYSIS

A one-day webinar on 'Research Challenges in Image Texture Analysis' organized by the Department of ECE was held at the seminar hall on 30-06-2020 with over 76 participants. Ms. R.M. Priyanka, AP/ECE warmly welcomed all the guests and participants. Inaugural remarks were delivered by Er. T. Isan, Director and Dr. S.A. Praylin Selva Blessy, AP/ECE introduced the chief guest. The resource person, Dr. C. Emmy Prema, Associate Professor/ECE delivered an insightful speech on the research challenges in Image Texture Analysis delving into various methods used for texture analysis in detail. The webinar concluded with a vote of thanks proposed by Mr. C.M. Edwin Thurai, AP/ECE.



EDITORIAL TEAM

CHIEF EDITORS

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Asst. Prof./Dept. of ECE

STUDENT EDITORS

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Ms. Mercilin Sheeba R.T
IV CIVIL

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

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Plastic Awareness Drive

The National Service Scheme conducted a 'Plastic Awareness Drive' program at Melmidalam Beach on January 17, 2020. This initiative was led by the NSS team to raise awareness about the hazards of plastic. While plastic is easily manufactured, its disposal causes pollution to the environment. Students and faculty members of the college visited Melmidalam Beach. The volunteers collected plastic waste from various parts of the beach and educated the villagers about proper plastic waste disposal methods. Dr. R.I. Rajidap Neshtar, Director/Academics, and Mr. C.M. Edwin Thurai, NSS Program Coordinator also participated in the drive.



PONGAL CELEBRATION



The NSS volunteers of BioE visited Murasancode orphanage and prepared delicious Pongal to celebrate the Pongal Festival on January 14, 2020. They shared the pongal with the orphanage children who thoroughly enjoyed the meal. The volunteers spent quality time with the orphans fostering a sense of togetherness and family bonding which makes Pongal special for everyone. Great preparations were made for this festival.

12TH ANNUAL DAY - BETH FEST



On March 2, 2020 at 10.30 a.m, Bethlahem Institute of Engineering College celebrated its 12th College Day. About 1300 college students and parents attended the occasion. The Chief Guest was actor, comedian, writer, and film director Ramesh Khanna. Dr. Rajidap Nestar- Academic Director, Mr. T. Isan- Director, and Dr. N. Selvaraj- Principal, extended a hearty welcome to our guest. Later there was a spectacular display of cultural events displayed. At last The institution had also set some rewards for the winners for both faculty and students. The Chief Guest Shri. Ramesh Khanna awarded the different winners and also commended them for their presentation. He encouraged them to pursue their dreams.



ORPHANAGE VISIT

The NCC unit of Bethlahem Institute of Engineering visited St.Mary's Convent orphanage, Murasancode to foster social awareness and a sense of social responsibility among students. The NSS team of BioE visited the orphanage on January 14, 2020, arrived at 8:00 A.M. Upon arrival, the children of the orphanage warmly welcomed the members of the team. After a brief introduction, BioE team engaged in conversations with the orphans about their daily lives. It was observed that the orphanage was maintained in a systematic and beautiful manner. Arrangements were made for lunch and breakfast for the orphans. As the day concluded, the volunteers departed with hearts filled with love and joy. The experience was deeply satisfying for the students, as they witnessed the smiles they brought to the faces of the children. This experience helped them realize the importance of contributing and understanding their social responsibilities towards society.



CAMPUS CLEANING EVENT



The NSS unit of the college organized a campus cleaning program on January 18, 2020 under the guidance of the Director/Academics, Dr. R.I. Rajidap Neshtar and NSS Coordinator Mr. C.M. Edwin Thurai. All NSS volunteers and students actively participated in this initiative. Mr. C.M. Edwin Thurai, the NSS officer divided the volunteers into groups, with each group assigned a specific area for cleaning. Enthusiastically, the NSS group members collected plastic waste, tea cups, weeds and dry leaves scattered around the campus. They gathered all the waste into trash bags which were then taken to the designated area for disposal. The entire cleaning drive was inspiring and motivating for the NSS team members. The collected waste including renewable materials such as dry leaves and twigs as well as non-renewable items such as plastic bags was segregated and disposed of appropriately. The renewable waste was burnt, while efforts were made to remove mesquite from the university campus. At the end of the event, snacks were provided to both NSS volunteers and students.

TREE PLANTATION IN COLLEGE

On January 22, 2020, a tree plantation program was inaugurated at Bethlahem Institute of Engineering with a sapling planted by the Director, Er. T. Isan, Director/Academics, Dr. R.I. Rajidap Neshtar and NSS Coordinator, Mr. C.M. Edwin Thurai. Staff members, students and the NSS team actively participated in the program by planting many saplings at various locations within the village. Various types of saplings were planted, including borsalli, neem, Tulsi, aelovra, champa, etc. The NSS team and NSS program officer made great efforts to ensure the smooth conduct of the program. Each planted tree symbolizes a new member of the BioE family.



WEBINAR ON RECENT TRENDS IN ARTIFICIAL INTELLIGENCE RESEARCH METHODOLOGY

A one-day webinar on "Recent Trends in Artificial Intelligence" organized by the Department of ECE was held at the seminar hall on June 22, 2020 and proved to be a resounding success with over 44 participants. Ms. L. Aleesha Livingston, Assistant Professor of ECE extended a warm welcome to all the guests and participants. The inaugural remarks were given by Er. T. Isan, Director followed by Ms. J. Sophia Jone, Assistant Professor of ECE who introduced the chief guest. The resource person, Dr. Praylin Selva Blessy, Assistant Professor of ECE delivered an informative speech on recent trends in Artificial Intelligence (AI) providing a comprehensive introduction to AI and its role in the future technological world. The webinar concluded with a vote of thanks proposed by Mr. A. Alwin Raja Singh, Assistant Professor of ECE.

TREE PLANTATION



The NSS unit of the institution organized a 'Tree Plantation' event on Jan 20, 2020 at Government Primary School, Melmidalam. Initially, the volunteers presented the saplings to the Head Mistress of the school. Following this, the Head Mistress addressed the volunteers emphasizing the crucial role of trees in human life and urging everyone to prioritize environmental conservation. Subsequently, the Director/Academics ceremoniously planted a sapling near the school premises. The volunteers then proceeded to plant indigenous trees including Neem, Pimple, Banyan Tree and Tamradus Indica. Some volunteers were tasked with watering the newly planted saplings while others diligently dug holes for planting. In total, 50 trees were planted from 8:30 a.m. to 11:30 a.m., marking a significant contribution to environmental preservation and fostering a greener and healthier community.



AWARENESS PROGRAM ON PLASTIC FREE CAMPUS

'The Plastic Free Campus' event held at Bethlehem Institute of Engineering on April 31, 2020, underscores the institution's dedication to community health and social responsibility. Through initiatives like Plastic Free Campus (PFC) BioE aims to combat single-use plastic pollution on a global scale. Aligned with the Green Campus Policy, the college strives for a Clean and Green Campus where environmentally friendly practices and education converge to promote sustainability both on and off-campus. Embracing a plastic-free lifestyle not only fosters intentionality in food and beverage choices but also mitigates potential toxicity issues associated with plastic use thereby contributing to overall health and well-being.

CAREER GUIDANCE ON OPPORTUNITIES AFTER ENGINEERING

A special program was conducted in the seminar hall to guide students on career opportunities after completing their engineering degree on June 4th, 2021 at 2:00 PM. Mr. Prabin Raja, Placement Officer, explained the role of the Placement and Training department in assisting students to secure jobs within the campus easily. He also covered various job opportunities and work nature available after completion of engineering. The students found the program very motivating and informative.

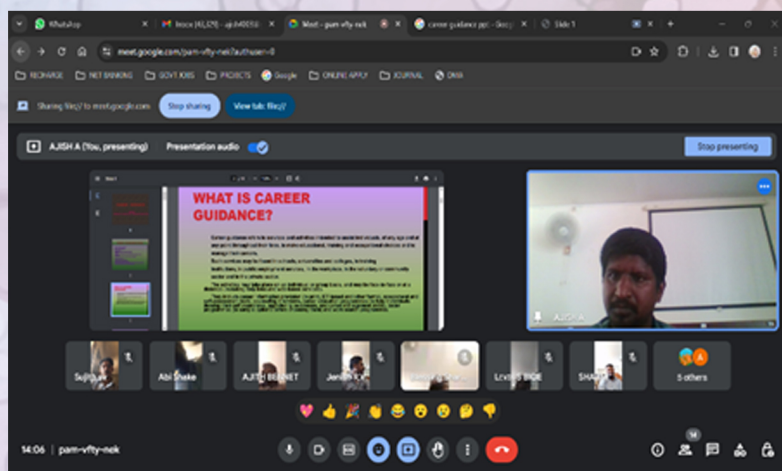
JOB OPPORTUNITIES IN INDIA AND ABROAD



CAREER COUNSELLING

Placement and Training cell conducted a special session for students to bring awareness about "Career counseling on job opportunities in India and abroad" on 05-03-2020 by Mr. Arjun Kannabiran, Process Planning Officer and United Industry Plastics at 1.00 p.m. The session started with the welcome address by Mr. P. Libin Jacob, AP/CSE, Placement officer followed by the felicitation address by Dr. N Selva Raj, Principal. He explained about the important skills sets required to enhance the employability of students. He also provided valuable insights into current job market trends, and highlighted the sectors experiencing growth. The session ended with the formal vote of thanks by Abinaya M, III year ECE student.

CAREER DEVELOPMENT OF STUDENTS IN PANDEMIC



The Placement and Training Department held a special online session to discuss career development for students during the pandemic on June 18th, 2020 at 11:00 am. The speaker emphasized the importance of skill sets that are required to enhance students' employability. He listed various skills and interacted with the students about observation. The process involves understanding users, their activities and their environment in an organization to make informed conclusions by using their enhanced skill set.

BLOOD DONATION CAMP

A Blood donation camp was organized by the National Service Scheme through which more than 80 units of blood were donated by the students of the college. Bethlahem Institute of Engineering hopes to address the grave issues surrounding the severe scarcity of blood. Annually, the Institution hosts blood donation drives, wherein staff and students willingly donate their blood. The camp provided an opportunity for individuals to contribute to a noble cause by donating blood voluntarily. Certificates of appreciation and tokens of gratitude were presented to donors as a gesture of thanks for their lifesaving contributions. Through voluntary blood donation, participants demonstrated compassion and a commitment to the well-being of their community.



CAREER GUIDANCE ON HOW TO START WITH "PLACEMENT"



A career guidance program on "How to Start with Placement" was conducted on 04-03-2020. The program started with the welcome address by D. Ajith, II-year Mechanical student followed by the Felicitation address by Dr. N Selva Raj, Principal. Mr. Shaji, the speaker inspired the students by giving a summary of the placement process, outlining its important phases, deadlines and employer expectations. Additionally, he provided insights on the key competencies and skills needed for a successful placement such as communication skills, resume writing and other business etiquette. The program ended with the vote of thanks by M. Angel, II year IT student.



8th GRADUATION DAY

"It is absolutely still possible to make a difference."

The eighth graduation day at Bethlehem Institute of Engineering College was a historic event that celebrated the academic accomplishments of the graduates. The ceremony took place on March 7th, 2020 at the college grounds. The graduation ceremony began at 10:00 a.m. with a spectacular academic procession led by the Academic Director, Dr. R.I. Rajidap Nesar, the Principal Dr. N. SelvaRaj and Director T. Isan as well as the heads of departments, deans and vice-principals. The chief guest of the ceremony was Dr. S. Paul Pandiyan, the Deputy Director IISU/ISRO. The Chief Guest, Dr. S. Paul Pandiyan, the Deputy Director IISU/ISRO officially declared the Graduation day open marking the commencement of the ceremonial activities and celebrations.



Drawing Competition

The drawing competition event was held at Bethlahem Institute of Engineering on January 27, 2020 at 2:30 p.m. The students eagerly participated showcasing their talents and contributing to the grand success of the event. The principal awarded the best student.



Carrom Tournament

The Carrom Tournament took place at Bethlahem Institute of Engineering on January 11, 2020. The event was a huge success with a large number of participants. The top student was awarded by the principal.

Kabaddi (Men's)

The Kabaddi (men's) sports event took place at Bethlahem Institute of Engineering at 2:00 p.m. on March 11, 2020. The students participated enthusiastically demonstrating their skills and contributing to the event's success. The principal awarded the best student, acknowledging their outstanding performance.



Volley Ball (Men's)

The men's volleyball event held at Bethlahem Institute of Engineering on February 14th, 2020, was a resounding success. The enthusiastic participation of the students added to the vibrancy of the occasion, showcasing their exceptional talent and passion for sports. The principal bestowed the honour on the most outstanding student.



Throw Ball (Women's)

The Throw Ball (women's) event hosted at Bethlahem Institute of Engineering on February 29th, 2020 at 1:30 p.m., was a remarkable display of talent and sportsmanship. The enthusiastic participation of the female students elevated the event, showcasing their skills and dedication to excellence. The best student of the event was selected and honoured by the principal.



DENGUE AWARENESS

A "Dengue Awareness Campaign" program took place at Bethlahem Institute of Engineering on January 16, 2020, coordinated by Mr. C. M. Edwin Thurai, Assistant Professor of Electronics and Communication Engineering. He emphasized the importance of early detection and treatment of Dengue, highlighting its potential to save lives. Students actively participated in the program by raising awareness among the community through door-to-door visits in Karungal. Dengue fever, a mosquito-borne viral infection manifests with flu-like symptoms and can be severe or fatal. The "Dengue Awareness Campaign" program concluded with students being equipped with vital knowledge for early detection and treatment potentially saving lives and fostering a healthier community.



Extra curricular Activities

JOURNAL Published



C. EMMY PREMA

Characterization, corrosion and failure strength analysis of Al7075 influenced with B4C and Nano- Al2O3 composite using online acoustic emission

ISSN NUMBER : 2053-1591

JOURNAL NAME

Materials Research Express

Processing and characterization of mechanical and wear behavior of Al7075 reinforced with B4C and nano graphene hybrid composite

ISSN NUMBER : 2053-1591

JOURNAL NAME

Materials Research Express

UNIVERSITY RANK HOLDERS



M.E. APPLIED ELECTRONICS

D.V.SHERLY



M.E. POWER ELECTRONICS AND DRIVES

J.D.SREEJA



M.E. APPLIED ELECTRONICS

C.S.ANCY



M.E. APPLIED ELECTRONICS

P.BABITHA

INTERNATIONAL CONFERENCE ECE | ICIFAIT'20

On February 20, 2020 the department of Electronics and Communication Engineering organized an International Conference on IoT Based Instrumentation, FPGA and Artificial Intelligence Technology(ICIFAIT'20). The Chief Guest Dr.M Marsaline Beno, Vice Principal and Dean Academics of St.Xavier's Catholic College of Engineering explored generic ideas among student communities and inspired the developing engineers with better exposure.

