

COLLEGE DAY REPORT 2023 – 2024

Distinguished Chief Guest and our dear Alumnus, Mr. Venkat Ranganathan, respected Chairperson of our College, Dr M Mala, respected Secretary, Shri G Manikandan, Selvi. Rakshana, beloved Trust Member, Deans, Heads of the Departments, Members of the faculty and the non-teaching staff, parents, students, ladies and gentlemen, good afternoon to all.

I'm much privileged to stand before the galaxy of the guests from external world, leading lights from the Management, academicians and student community who join us this afternoon to be part of the College Day Celebration. Today, we commemorate the academic excellence of our College and celebrate the diverse talents and aspirations of our JCE family.

On this momentous occasion, I would like to present the Annual Report of our College for the academic year 2023 and 2024 to the large and enthusiastic audience and to recall the enormous strides the Institution made during the last academic year in the realms of academics, research and sports. The reflection on the milestones that we have passed and the challenges that we have overcome makes us elated and grateful to the Almighty.

Benjamin Franklin remarks, 'An investment in knowledge always pays the best interest.' We, at Jerusalem College of Engineering, help you invest for getting an excellent education so that you can get back your investment and also the interest.

First of all, I take much pleasure to familiarise you with the profile of our Institution. Jerusalem College of Engineering was established in 1995 by Jerusalem Educational Trust with an objective to provide a high-quality engineering education and thereby producing competent engineers and technologists. As an Autonomous College, it is affiliated to the Anna University and is accredited by NAAC and NBA. The Institution has rendered 29 years of meritorious service to the students of South India, particularly, Tamil Nadu and contributed to the socio-economic and technological development of our state, our nation and the world.

The Institution offers various Undergraduate Programs in Engineering and Post-Graduate Programs in Engineering and Business Administration. PhD Programs in various disciplines are also offered. The Institution applies new technologies like smart classrooms to make the teaching-learning process more effective and interesting. The syllabi are also framed to foster a spirit of enquiry and innovation. The College awards various scholarships and offers educational concessions to meritorious and deserving students. The alumni of our Institution contribute greatly towards the growth of the College and the welfare of the students.

We, at Jerusalem College of Engineering, firmly believe in the Vision of the College and we work tirelessly to materialize it by achieving the missions of the College. Our Institution made several achievements and this report gives a brief sum up of these feats and deeds during this academic

year 2023-24, which are possible only through the concerted efforts and the dedicated service of the staff, the students and the Management.

Now, let me present to you the major achievements of the Institution.

Dr N John Jebarathinam, the Dean of Internal Quality Assurance takes care of Affiliation, Approval and Accreditation of the Institution excellently and shoulders the responsibility of developing, applying and monitoring quality benchmarks for various academic and administrative activities and also of maintaining and enhancing the institutional quality. Under his guidance, the College has received 16 rankings such as Diamond Band with Grade A+, Grade A for the Best in Nurturing Entrepreneurship, A ranking Top Institution for Campus Life from different Institutions like India's Finest B-School Rankings 2024; Chronicle 11th All-India Engineering Colleges Survey 2023 and R World Institutional Ranking - MHW Ranking 2023.

Dr P Anuradha is the Dean Academics. She successfully coordinates strategic planning, sets academic policies, develops curriculum and promotes excellence in instruction. The Institution is conferred with the autonomous status in 2019. Under autonomy, the Institution successfully designed the Regulation 2019 curriculum, conducted examinations efficiently even during the pandemic, and published results in time. The first batch of students passed out in 2023 are either placed in reputed companies or continue their higher studies in India and abroad. The New Regulation 2023 is introduced for the 2023 – 2027 batch which includes industry powered laboratories.

Dr V Jamuna is the Dean Students Affairs and she is actively engaged in all the matters related to students' well-being and monitors the functioning of the various student committees for achieving the objectives of the students. Dr V Jamuna holds additional responsibility of the Alumni Association. The alumni serve as the ambassadors of the College spreading the reputation of the College far and wide. The Alumni scholarships are given to the economically weaker students our College. An alumna of 1996 – 2000 batch pays the four-year tuition fees Rs.2, 13, 000 for a first-year student. Mr. Natarajan adopts four students and Ms. Annie Juliet and Ms P. Deepti adopt two more students from this year. The institution hosts Alumni Meet on the last Sunday of January every year. This year, the Silver Jubilee Alumni Meet was organized grandly at Chariot Beach Resort, Mahabalipuram on January 28th 2024 with a record of 550 attending the meet. She takes care of the Indian Society for Technical Education (ISTE). It conducts several meetings to promote ISTE awareness and organizes many workshops.

Dr P Gnanasivam is the Dean for Industry Relations & Technology Business Incubators (TBI). He is instrumental in establishing an Innovation, Incubation, and Entrepreneurship Ecosystem in our Institution through Institution's Innovation Council and MSME Approved Incubation Centre. Business Incubator Council is incorporated at JCE on 28.02.2024 under the Companies Act, 2013 (18 of 2013). Rs. 38 lakhs is granted from MSME Hackathon 3.0 (women).

Industry Connect Curriculum is introduced in the Regulation 2023 and two computer labs are established at Rs. 60 lakhs exclusively for the Subject. An MoU is signed for the Industry Supported Laboratories, namely, Gaming Crafts Studio for doing live projects and for getting internship from gaming development companies. As promotional activities on innovation and entrepreneurship, more than 15 programs are conducted.

The Dean for Research and Development is Dr S ARUN and oversees the smooth and efficient coordination of research and developmental activities and is committed to applying for funds for sponsored research and getting grants from government and non-government agencies. The number of Journal Publications are 78; Conference Publications are 95. 27 members of the faculty pursue PhD and 15 scholars do research here from other institutions. 4 members are awarded PhD this year. 46 Project Proposals are applied. 15 Sponsored Research Projects are received. Around 50 lakhs research grants are received this year.

Dr. Sheeja V Francis is the Dean of Augmentation. Her active participation in the Augmentation Cell of our College ensures students' development and facilitates quality learning initiatives through IIT PALS partnership, NPTEL Local Chapter, GATE Study Circles, foreign language studies, career guidance and competitive exams training. Our College hosted INNOWAH! - An Intercollegiate Product Development Contest organized by IITPALS attracting 37 teams from various colleges. Four of our teams presented their projects at the final expo at IIT Madras Dr. Vinod, Head of the Department of Electrical and Electronics Engineering and his team won a work order for consultancy. The NPTEL Local Chapter at our Institution - LC 739, is recognized as 'Active local Chapter' and the Single Point of Contact (SPOC) by NPTEL. Our students are motivated to complete online courses offered by IITs and IISCs, especially courses like Cloud Computing, Introduction to Artificial Intelligence and Internet of Things. Students use the free GATE portal provided by NPTEL and M. Ramprasad of IV-year BME has secured All India Rank 8 in the GATE 2024 exam. Foreign language courses in French, German are offered here and 55 students are benefitted by these courses. Several Career guidance Orientation programs and workshops on UPSC exams preparation were organized.

Dr. K. Sundaramoorthy is the Dean Admission and Head of the Department of Information Technology. He takes care of the entire process of admission ably and employs various strategies to attract new admissions.

Now, I would like to present the report on the Department-wise major achievements:

Let me begin by unfolding the achievements of **the Department of Artificial Intelligence and Machine Learning headed by Dr. D. Parameswari.** The Department signed a Memorandum of Understanding (MOU) with Evolve Robot Lab, secured a patent and published a research paper in an international journal. The members of the faculty attended Faculty Development Programs.

Under the leadership of Dr. J. Sofia Bobby, the Department of Biomedical Engineering, the Department received for two projects for about 10 lakhs from EDI-IVP and published 6 Design Patents. The faculties published around 30 papers in Scopus Indexed and SCI journals and presented papers in National and International Conferences. Two books are published. An MoU was signed Medingers Healthcare Solutions. Notably Dr. Kishore Kanna published 20+ Scopus papers in the department.

Dr. R. Balaraman is the HoD in charge of the Department of Civil Engineering. Two patents are applied for. Faculties attended Faculty Development Programs and workshops. Congratulations for their Research center got renewed till June 2027.

The Department of Cyber Security is headed by Dr. R. Vanitha. The Department has signed an MoU with Ingu's Knowledge Academy Private Ltd. (SkillsDa). It has got a patent and published 4 Scopus Indexed papers. The Department arranged various programs and activities like Workshop, Guest Lecture, Poster Presentation, Webinar, Quiz Competition etc.,

The Department of Computer Science and Engineering is headed by Dr. Maya Eapen. The Department offers B.E Computer Science Engineering (CSE) and Computer Science and Business Systems (CSBS) and M.E. Computer Science Engineering. Two projects are granted Rs.21 lakhs and a project proposal has got Rs.7, 500/- in TNSCST. One patent is registered. Four papers are published in Scopus journals. One book is published. One award is won from Computer Society of India. Successfully initiated Student chapters of IE(I) from this academic year

Dr. Sheeja V Francis is the Head of the Department of Electronics and Communication Engineering. The Department offers B.E and M.E and PhD programs. The Department organized a National-level Technical Symposium INCENDIO and inaugurated IETE Students' Forum (ISF) and Institution of Engineers (India). The faculties published several articles in various refereed journals on emerging topics and acted as resource persons in an International Conference. One project received a fund of Rs 1, 58,000 from the Department of Science and Technology. One Best Project Award and one Best Paper Award are received. Two books and two book chapters are published. Research center for ECE is granted till Dec 2026. They are moving forward to acquire the credential of getting NBA

The Department of Electrical and Electronics Engineering is headed by Dr. S. Vinod. The Department offers B.E, M.E and PhD programs. It conducted a Seminar and a National Workshop. Four projects received a total of more than 19 lakhs from different organizations. Five faculties received grants for several patents. The Department has signed an MoU with Vector India Pvt Ltd. The faculties acted as Technical Chair, as resource persons. The faculties presented various papers and published articles. Research center for EEE granted till Dec 2026.

The Department of Information Technology is headed by Dr. K. Sundaramoorthy. The Department offers two graduation programs Information Technology (IT) and Artificial

Intelligence and Data Science (AI&DS). Four research papers and a book Chapter are published. One patent is published. The faculties of the Department are recognized as mentors for the NPTEL Online Certification Courses. The Department organized different Workshops, Guest Lectures, Seminars and Industrial Visits. Upgraded their department and marching towards the NBA accreditation.

Dr. S. Muthumani heads the Department of Management Studies. The faculties and the students of the Department published or presented 62 research papers. The Head of the Department, Dr. S. Muthumani is awarded with ‘the HoD of the year 2023’ by InSc (Institute of Scholar); One faculty acts as an External Subject Expert in Anna University Review Committee and two faculties act as reviewers in two reputed journals. The Department has organized seminars, guest lectures, alumni talk and various club activities. Applied for NBA accreditation.

The Department of Science & Humanities is headed by Dr. Beulah Shanthi John. Anna University recognizes the Division of Chemistry to offer PhD Program in Chemistry. PhD Degree is awarded to Mrs S. Sangeetha and Mrs E. Anitha Dolorosa of the Maths Division. Dr G. Babu Rao of Physics Division and Dr S. Jeyakumar of Chemistry Division are recognized as PhD guides by Anna University. Many of the faculties published papers, delivered lectures, attended conferences, participated in Faculty Development Program and completed various NPTEL courses. STEP Certification Course by The Hindu Group and an online Refresher Course are also offered. K. Manju of I year EEE went to Russia to see Russian Space Agency in Russia by successfully completing all the four levels in the milestone project of Rocket Science Program.

Library

The Chief Librarian of the College is Mr. Sivagnanam. It has a three-floor well-established library, housing thousands of books, journals and magazines. The library caters to the needs of the students and the staff by helping them to make the best use of its resources of more than 44970 volumes and 199 National periodicals. The online Journals available are IEEE, ASCE and J-GATE. OPAC system is also available. British Council Membership.

Training and Placement

Dr.S.Raghavenran, He takes care the international affairs and Training and Placement Cell. The cell provides training to students in order to develop their communication skills, soft skills and aptitude skills and to groom them into professionals so as to place them in well-reputed companies and get ahead in their careers. Tier 1 companies like Infosys, CTS, HP, IBM and TCS and companies like Hinduja Group (AL), Byju’s, Hexaware – SEGUE 2024 recruit many of our students this academic year.

Physical Education

The Department of Physical Education is headed by Dr. P. Natarajan. The Institution has accomplished in sports. S. Shruthi II-year BME was placed the First Position in Individual and Combat Event in the 4th International Silambam Porr Kalai Championship in Malaysia and also

in the Open National Level Silambam Competition – 2023 at Mother Teresa Women’s University, Kodaikanal. S J R Vejin of II-year IT and S P Dikshitha of I-year IT represented Tamil Nadu in the 9th Senior Compound National Archery Championship in Uttar Pradesh. Our College Staff Cricket Team won the Amma Trophy conducted by Melmaruvathur Aadhi Parasakthi Group of Institution and a cash prize of Rs. 50,000.

Professional Bodies

The Institution has a number of Professional Bodies such as ISTE, IEEE, IEI, BMESI, IETE, CSI and IIT Pals. Various activities are conducted to bring out the best in the students. A few of the achievements are cited. The students of Cyber Security and Computer Science Engineering secured two different Best Performance Awards in the IIT Pals Hackathon - CTF Challenge. Moreover, each Department has Associations and Clubs to cater to the needs of the students. Maths, and Science Clubs also conducted various events.

Proctor System

The proctorial system, the bench mark of the Institution, creates a strong bond between teachers and students through interactive sessions. It also helps to connect the parents of the students with their respective proctors for making joint efforts to promote their academic activities and to ensure the successful completion of their courses. Dr R Vaidyanathan is the Proctor-in-Chief, who steers it efficiently to complement the academic and personal needs of the students through personal counseling by the respective proctors.

National Service Scheme (NSS)

The Unit of National Service Scheme (NSS) headed by Mr B Arul Kumar effectively organizes several welfare programs like Blood Donation Camp, Dental Camp and Clean up Campaigns arranged on-campus and off-campus. MoU with M/S, Arokiyabharathi and doing number of joint programs to the society.

Youth Red Cross (YRC)

The Youth Red Cross Unit under the guidance of the Program Officer Mr L N Narayanan organized a number of events on the Independence Day, Teachers’ Day, World Heart Day, National Youth Day and Republic Day. Vaccination Camp and Dengue and COVID 19 Awareness Camp were also conducted.

Rotaract Club

The Rotary Club, under the guidance of Mr. J Jayachandran, plays a pivotal role in shaping the College Rotaract Club, with a membership of 194 volunteers. Ms. Vasumathi of final CSE is recognized as the Outstanding Rotaract President. Moreover, Ms. Nivetha and Mr. Lokesh, who were honored with the esteemed Star of Rotaract award by Rotary District 3232.

Halcyon Club and Tamil Mandram

The Halcyon Club, the English Literary Club of our College organized several co-curricular activities like Debate, Adzap, and Crossword Puzzle in English. Tamil Mandram conducted various events such as பேச்சுப் போட்டி, சீட்டு எடு கதை சொல்லு and சொல்லாடல் to improve the speaking skills of the students. Many students took part and won prizes events conducted on campus and off campus. Tamil Mandram celebrated Pongal organized a grand in the campus with all fun and frolic for the staff and the students.

Conclusion

We, at Jerusalem College of Engineering, render our educational service to society under the vibrant leadership of Dr M Mala, the Chairperson of the Institution. She takes a keen interest in all the activities of the Institution and personally monitors the academic and non-academic programs. She is committed to the development of the students, the staff and the Institution. Our commitment to excellence has not only propelled us forward but has also instilled in us a sense of responsibility towards society. With this sense of service, Jerusalem College of Engineering will enter many a new academic year. We feel affirmed that the challenges faced in this academic year would help us to be more practical and productive in the years to come. Major milestones like Accreditations, International University Collaborations, Industrial Collaboration and conduct of International Conferences, Symposiums, Inter-collegiate Competitions, Department Associations events and Extra-curricular activities have made the Institution one of the fastest growing and much sought after institutions in Tamil Nadu. I thank the Almighty for His providence and we pray to Him for His blessings for the new academic year.

At this juncture, let us remember the values that have guided us. These principles will serve as beacons of light, and help us navigate the complexities of life. On this occasion, we express our gratitude to all who have supported us – the Management, our faculties, parents, and our students. I call upon all the staff and the students to continue to strive for excellence, making our college proud at every step of the way. To keep pace with the fast-changing world and to face a promising future, we need to be updated and equipped with all the necessary skills. Let us come together and strive to achieve eminence in our chosen fields. I wish all the students a prosperous future.

Thank you.