

JERUSALEM COLLEGE OF ENGINEERING

(An Autonomous Institution)

Narayanapuram, Pallikaranai, Chennai 600100



JERUSALEM COLLEGE OF ENGINEERING,
Narayanapuram, Pallikaranai, Chennai, Tamil Nadu 600129

NEWSLETTER

July 2022 - December 2022

JERUSALEM COLLEGE OF ENGINEERING
(An Autonomous Institution affiliated to Anna University, Chennai)
VELACHERY MAIN ROAD, NARAYANAPURAM, PALLIKARANAI, CHENNAI –
100

NEWSLETTER

JULY 2022 - DECEMBER 2022

Chairperson's message

Editorial Board

Patron:

Prof. M. Mala
Chief Executive Officer

Principal:

Dr. Ramesh

Chairperson:

Dr. D. Charley Samuel

Member-Secretary

Ms. S. Persis

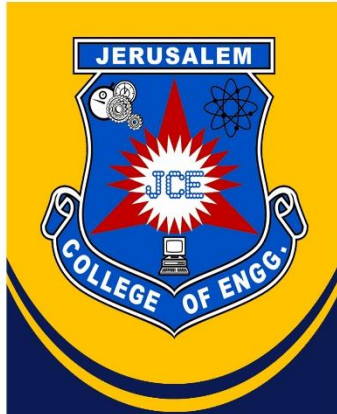
Members:

Dr. J. Sofia Bobby
Dr. S. Suriya
Ms. R. Sukanya
Ms. S. Lavanya Devi
Ms. S. Siva Jothi
Kavitha
Ms. K. Pushpavalli
Ms. S. Sivakanni



Principal's message





Editorial Board

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Chief Executive Officer

Principal:

Dr. Ramesh Sengottuvelu

Chairperson:

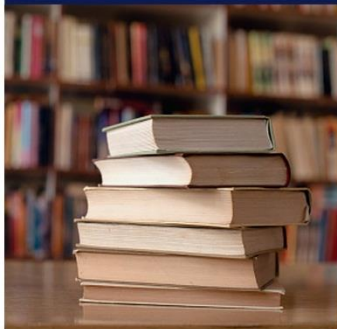
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Member-Secretary:

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Ms. K. Pushpavalli
Ms. S. Sivakanni



Vol. No. 21 July 2022 – December 2022

JERUSALEM COLLEGE OF ENGINEERING (An Autonomous Institution)

(Approved by AICTE, affiliated to Anna University and accredited by NBA & NAAC)
Velachery Main Road, Narayanapuram, Pallikaranai, Chennai-600100.

NEWSLETTER

CEO's Message



It gives me great pleasure to learn that Jerusalem College of Engineering publishes the College Newsletter to capture the events during January 2022 to June 2022. The College is known for its remarkable achievements in academics, research and sports. The Newsletter acts as an envoy to carry their updates in its pages. Bearing the scars of COVID-19, the College has tried to come back to normalcy. I am also glad that the place of higher learning has entered the 28th year of valuable service to the state of Tamil Nadu. I am confident that all the budding engineers of the Institution would be able to achieve their aspirations and be placed in the companies of their choice with the practical & technical guidance of the committed and whole-hearted faculties.

I urge all the students to optimize the facilities and services available on campus to shine in studies and to acquire sufficient knowledge required for the industry. I also desire them to participate actively in extracurricular activities and club activities. I wish that the faculties would concentrate on research work and increase their publications in the days to come. I hope that this Newsletter will prove to be an impetus to both faculties and students to put out their performance in their profession and academics. I congratulate the Editorial Board for bringing out this Newsletter.

Prof Dr M Mala
Chief Executive Officer

Principal's Message



I am much pleased that our College brings out this Newsletter that records the activities and achievements of our Institution during January 2022 and June 2023. Presenting the achievements of all the Departments and Clubs, the Newsletter provides inspiration to others to showcase their skills and talents in curricular, co-curricular and extra-curricular activities. The efficient service of the faculties to educate, encourage and engross our students & to bring out their innate skills and talents by providing opportunities and to explore new avenues. Their aspiration to realize their dreams and passions is admirable.

I desire that the students would be focused more on increasing their domain knowledge, upgrading their skills, expanding their career opportunities; similarly, the faculties would be more determined to explore various methodologies to teach and train the emerging minds. I hope that Physical Education & Club activities would strengthen their interpersonal and leadership skills and inculcate a sense of community in their minds. I am certain that with the backing of the Management, our Institution will reach many a milestone in the ensuing years by achieving new heights in academics, research and sports. I congratulate the Editorial Board for bringing out this Newsletter. Best Wishes.

PROFILE OF THE INSTITUTION

Jerusalem College of Engineering, Chennai established in 1995, is a part of Jerusalem Educational Trust. Jerusalem College of Engineering was established in the year 1995 under the umbrella of Jerusalem Education Trust to impart quality engineering education. Over the period of 23 years, it has made a mark of itself and got established as an institution which offers excellent engineering education. It is one of the very rare Institutes which is situated in close proximity to premier educational institutes and also the IT Hub of Chennai. The Institute offers 7 Under-graduate and 6 post-graduate courses in Engineering, Technology and Management. The Institute has very good infrastructural facilities and laboratories with state-of-the art equipment. The faculty of the college are a nice blend of both academic and industrial experience. The alumni of the college holding key positions in various national/international industries and academic institutions have brought laurels to the institution. The Institute has been consistently getting University Ranks at both the UG and PG level. The Institute is accredited by NAAC and NBA.

VISION

Jerusalem College of Engineering is committed in emerging as an international institution of excellence in imparting the finest quality engineering, technology and management education rooted in ethical and societal values through various academic programmes, multi-disciplinary research, consultancy and entrepreneurship activities, and hence in contributing towards social transformation and nation building.

MISSION

- Generating abundant resources and making conducive policies, the management led by the Chairperson strives towards promoting globally competitive academic programmes augmented with value added courses, in-plant training, co-curricular activities and ambience that support intellectual growth and skill acquisition.
- Promoting collaborative trans-border research programmes, continuing education in synergy with academia, industries and research organizations leading to real time solutions and lifelong learning.
- Transforming young men and women into competent professionals and entrepreneurs motivated by a passion for professional excellence, driven by human values and proactively engage in the betterment of the society through innovative practices and academic excellence.

- Facilitating effective interaction among faculty and students, and fostering network of alumni, industries, institutions and other stakeholders for successful career gain and placement. Motivate faculty – students’ interaction for maximal knowledge synthesis for their successful career gain and placement.

Quality Policy

“Qualitative Education and a sense of high discipline are promises”.

We at the Jerusalem College of Engineering make to posterity and accordingly, we shall adopt and adhere to Quality policies, constantly monitor accountability and assure all stakeholders that we shall keep our promise.

Environment Policy

Jerusalem College of Engineering is committed to energy savings and a sustainable environment by:

- i. Setting targets for improvements in energy savings and classroom utilization to minimize its use of energy and scarce resources through good practice, prudent maintenance and use of energy efficient resources.
- ii. Continually improving and maintaining the environment both within the college and, where appropriate externally.
- iii. Prevention of pollution and minimization of air, water pollution and solid waste generation.
- iv. Conservation of resources like water and power.
- v. Training of all employees on environmental awareness and environmental management.
- vi. Reducing the use of paper by critically appraising the need for use and by double-sided copying and use of electronic mail as far as practicable.
- vii. Including environmental issues in curriculum delivery where appropriate.
- viii. Linking with other organizations in the local community in dialogue and partnership to encourage and contribute to good environmental practice.
- ix. Encouraging the users of the college to seek environmentally acceptable economics in use of transport.
- x. Harnessing nature with green trees to beautify the surroundings.

DEPARTMENTAL

DEPARTMENT OF INFORMATION TECHNOLOGY



DEPARTMENT OF INFORMATION TECHNOLOGY WISTERIA - 2K22



National Level Technical Symposium- WISTERIA 2K22 on 05.11.2022



Industrial Visit to BSNL Chennai on 13.10.2022



Inauguration of Association of Information Technology on 07.09.2022 by Mr. V. Kannan (Sun Software Solutions)



132, Poonamallee High Rd, Pallavan Nagar, Maduravoyal, Chennai, Tamil Nadu
600095, India

Latitude 13.063783° Longitude 80.168194°

LOCAL 11:47:24 GMT 06:17:24 MONDAY 08.29.2022 ALTITUDE -76 METER

Industrial visit to Kaashiv Infotech on 29.08.2022

Funded Projects

Sl. No	Name of the Investigator	Title	Amount	Year applied
1	Dr. Maya Eapen	Cloud Based Traffic Monitoring System for Hassle Free Ambulance Movement	75,000	21.04.2022
2	Dr. Parameswari	Design of speech emotion recognition system for autism spectrum disorder affected children	1,45,000	April,2022

Books Authored by Faculties

Sl. No	Name of the Author	Name of the Book	Publisher
1.	Dr. K. Sundaramoorthy Mr. K. Arun Prasad	Introduction to Machine Learning and Artificial Intelligence	Scholars Press Dodo Books Indian Ocean Ltd, and OmniScriptum Publishing S.R.L Publishing group- 978-613-8-97562-5

Publications of Papers in Journals

Sl. No	Name of the Author	Title	Name of the Journal	Date
1.	Sudhagar D	Poor and rich dolphin optimization algorithm with modified deep fuzzy clustering for COVID-19 patient analysis	Concurrency and Computation: Practice and Experience (SCI & WOS)	DOI: 10.1002/cpe.7456
2.	Dr. Vinoth R	Realization of Sustainable Development Goals with Disruptive Technologies by Integrating Industry 5.0, Society 5.0, Smart Cities and Villages	Sustainability	https://www.doi.org/10.3390/su142215258

Conferences Attended by Faculties

Sl. No	Name of the Faculty	Title	Name of the Institution	Date
1.	Mr. D. Sudhagar	Construction of Malaria disease prediction system using deep learning	Mount Zion College of Engineering and Technology, Pudukkottai, Tamil Nadu,	13th - 15th December 2022
2.	Mr. D. Sudhagar	Train Track Crack Detection Using CNN	Jerusalem College of Engineering	7&8 th July, 2022
3.	Mr. D. Sudhagar	Crypto currency market price prognostication using datalody	Jerusalem College of Engineering	7&8 th July, 2022
4.	Mr. K. Arun Prasad	Patients Health Analysis and Record using PHP	Jerusalem College of Engineering	7&8 th July, 2022
5.	Mr. K. Arun Prasad	Prognosis of Phishing website using Machine Learning	Jerusalem College of Engineering	7&8 th July, 2022
6.	Mr. K. Arun Prasad	Price Tracker on E-Commerce	Jerusalem College of Engineering	7&8 th July, 2022

7.	Mr. K. Arun Prasad	Prophecy of Cyber attacks using Data Science Techniques	Jerusalem College of Engineering	7&8 th July, 2022
8.	Ms. K. Pushpavalli	Vehicle Accident Detection using IOT	Jerusalem College of Engineering	7&8 th July, 2022
9.	Ms. K. Pushpavalli	Mouse control system based on Hand Gesture	Jerusalem College of Engineering	7&8 th July, 2022
10.	Mr. Kumar Parop Gopal	Accident Detection and Alert system using Android Application	Jerusalem College of Engineering	7&8 th July, 2022
11.	Dr. D. Parameswari	An Android Application for Location based car and bike service recommendation	Jerusalem College of Engineering	7&8 th July, 2022
12.	Ms. S. Satheesree	Vulnerability Assessment and Penetration testing	Jerusalem College of Engineering	7&8 th July, 2022
13.	Dr. K. Sundaramoorthy	Indoor Farming	Jerusalem College of Engineering	7&8 th July, 2022
14.	Ms. S. Satheesree	Review Analysis of google play store	Jerusalem College of Engineering	

FDPs Attended by Faculties

Sl. No	Name of the Faculty	Title	Name of the Institution	Date
1.	D. Sudhagar	FDP on "AI-ML Workshop"	IITM PALS	28.11.2022
2.	D. Sudhagar	FDP on "Mathematical Foundations for Data Science"	conducted by Mathematics Division, Department of Science and Humanities, Jerusalem College of Engineering	31.10.2022 to 04.11.2022.
3	K. Arun prasad	One Week Faculty Development Program on "Technology Insights in Data Science" jointly with NIT Nagaland.	CIT COLLEG &NIT NAGLANDCHENNAI	31.10.22 to 5-11-2022
4.	K. Pushpavalli	One Week Faculty Development Program on "Technology	CIT COLLEG &NIT NAGLANDCHENNAI	31.10.22 to 5-11-2022

		Insights in Data Science" jointly with NIT Nagaland.		
5.	Dr. Vinoth R	One Week Faculty Development Program on "Technology Insights in Data Science" jointly with NIT Nagaland.	CIT COLLEG &NIT NAGLANDCHENNAI	31.10.22 to 5-11-2022
6.	K. Arun prasad	Enabling the professional development of Faculty on IR 4.0 Technology-ARTIFICIAL INTELLIGENCE	AMC-BANGALORE	07.11.22 to 11-11-2022
7.	K. Pushpavalli	Enabling the professional development of Faculty on IR 4.0 Technology-ARTIFICIAL INTELLIGENCE	AMC-BANGALORE	07.11.22 to 11-11-2022
8.	Dr. Vinoth R	Enabling the professional development of Faculty on IR 4.0 Technology-ARTIFICIAL INTELLIGENCE	AMC-BANGALORE	07.11.22 to 11-11-2022
9.	K. Shanmuga Priya	FDP on " Mathematical Foundations for Data Science"	conducted by Mathematics Division, Department of Science and Humanities, Jerusalem College of Engineering	31.10.2022 to 04.11.2022.
10.	D.SUDHAGAR	FDP on "Industry 4.0"	EASWARI ENGINEERING COLLEGE (AUTONOMOUS)	05.12.2022 to 09.12.2022
11.	D.SUDHAGAR	FDP on " Emerging Research Advancements in Intelligent Computing Technologies "	Sri Krishna College of Engineering and Technology (Autonomous): Coimbatore	19.12.2022 to 23.12.2022.

12.	K. ARUN PRASAD	Department of CSBS and AI&DS cordially invites all for the Two Days Faculty Development Programme on "ERA OF CHANGE - ARTIFICIAL INTELLIGENCE AND IOT USING GOOGLE CLOUD CORE INFRASTRUCTURE "	Sri Krishna College of Engineering and Technology (Autonomous): Coimbatore	22.12.2022 & 23.12.2022
13.	K. ARUN PRASAD	Department of CSE Organizing a International Level online Faculty Development Programme on" Emerging Research Advancements in Intelligent Computing Technologies "	Sri Krishna College of Engineering and Technology (Autonomous): Coimbatore	19.12.2022 to 23.12.2022.
14.	K. ARUN PRASAD	One-week International FDP on Industry 4.0 by Department of Information Technology	SRM EASWARI ENGINEERING (AUTONOMOUS)	05.12.2022 to 09.12.2022
15.	K. PUSHPAVALLI	Department of CSBS and AI&DS cordially invites all for the Two Days Faculty Development Programme on "ERA OF CHANGE - ARTIFICIAL INTELLIGENCE AND IOT USING GOOGLE CLOUD CORE INFRASTRUCTURE "	Sri Krishna College of Engineering and Technology (Autonomous): Coimbatore	22.12.2022 & 23.12.2022
16.	K. PUSHPAVALLI	Department of CSE Organizing a International Level online Faculty Development Programme on" Emerging Research Advancements in Intelligent Computing Technologies "	Sri Krishna College of Engineering and Technology (Autonomous): Coimbatore	19.12.2022 to 23.12.2022

17.	K. PUSHPAVALLI	One-week International FDP on Industry 4.0 by Department of Information Technology	SRM EASWARI ENGINEERING (AUTONOMOUS)	05.12.2022 to 09.12.2022
18.	Dr. R. Vinoth	Department of CSBS and AI&DS cordially invites all for the Two Days Faculty Development Programme on "ERA OF CHANGE - ARTIFICIAL INTELLIGENCE AND IOT USING GOOGLE CLOUD CORE INFRASTRUCTURE "	Sri Krishna College of Engineering and Technology (Autonomous): Coimbatore	22.12.2022 & 23.12.2022
19.	Dr. R. Vinoth	Department of CSE Organizing a International Level online Faculty Development Programme on" Emerging Research Advancements in Intelligent Computing Technologies "	Sri Krishna College of Engineering and Technology (Autonomous): Coimbatore	19.12.2022 to 23.12.2022.
20.	Dr. R. Vinoth	One-week International FDP on Industry 4.0 by Department of Information Technology	SRM EASWARI ENGINEERING (AUTONOMOUS)	05.12.2022 to 09.12.2022
21.	S. Aishwarya	One-week International FDP on Industry 4.0 by Department of Information Technology	SRM EASWARI ENGINEERING (AUTONOMOUS)	05.12.2022 to 09.12.2022
22.	K. Shanmuga Priya	One-week International FDP on Industry 4.0 by Department of Information Technology	SRM EASWARI ENGINEERING (AUTONOMOUS)	05.12.2022 to 09.12.2022

MoUs

Sl. No	Name of the Institution	Title	Date
1.	Sun Software Solutions	Industrial Training, Educational innovative methods of Teaching- Learning Process, Research related activities and providing Vocational Opportunity	07.09.2022

Parent-Teacher Meet

Sl. No	Name of the Department	Date
1	IT	15.10.2022

Club Activities

Sl. No	Name of the Department	Name of the Club	Year
1.	IT	(AIT CLUB) Just Remember and Paper Presentation	16.09.2022
2.	IT	Mind scribble	5.11.2022
3.	IT	GUESS WHAT?	5.11.2022
4.	IT	PALLETE	5.11.2022

Industrial Visits / Educational Tours

Sl. No	Name of the Organisation	Date	Year	No of students
1	Kaashiv Infotech	12.08.2022	2022	42
2	Kaashiv Infotech	12.08.2022	2022	59
3	Kaashiv Infotech	29.08.2022	2022	50

4	BSNL	13.10.2022	2022	59
5	U R Rao Satellite Centre	13.10.2022	2022	42
6	U R Rao Satellite Centre	13.10.2022	2022	50

Details of Internships by Students

Sl. No	Name of the Company	Date
1	Shiash Info Solutions Pvt Ltd	August 22 -December 22
2	Object Automation Software Solutions Pvt Ltd	August 22 -December 22
3	Verzeo	October 22 to December 22
4	Object Automation Software (P) Ltd.	Sept. 2022- Nov. 2022
5	Light2Speed	July 22 - December 23

Certificate courses completed by students.

Sl. No	Class	Year	Certification Course
1	IV IT	July- Dec 22	“Online Privacy”, NPTEL
2	II IT	July-Dec 22	“Basics of Biology”, NPTEL