Jain College of Engineering Belagavi

Approved by AICTE New Delhi, Affiliated to VTU Belagavi and Recognized by Government of Karnataka

Department of Electronics and Communication Engineering

Volume - 4 (October - December 2022)

SPECTRUM 2022

MESSAGE FROM DIRECTOR

I am happy to see that, the department of ECE is bringing out 'SPECTRUM 2022'. I wish you all the best to students and staff. *-Dr. R. G. Dharwadkar*

MESSAGE FROM PRINCIPAL

On this bright day, I feel proud to see the progress that this Evolve magazine has made over the years. It pleases me to see the involvement which the students have in both the technical and non-technical zones. I would like to see a lot more exciting content and an increase in the students' contribution over the upcoming years.

-Dr. J. Shivakumar

MESSAGE FROM HOD

I am gratified to know that the department of Electronics & Communication Engineering is bringing out the second issue of our Departmental magazine "Spectrum" of the second quarter of the academic year (2021-2022). This is an informative magazine about the faculty and student achievements of the department in the period. I wish the department faculty and students a very big success in all their ventures. I also applaud the coordination and efforts behind the team to bring out this issue. I wish them all success.

-Dr. Krupa Rasane

ABOUT THE DEPARTMENT

The Electronics & Communication Engineering department is established in the year 2010.This is one of the premier departments in the college and is most preferred by the student community. The department is affiliated to VTU and has Research Centre established in the year 2018. Department has Professional Student Bodies like JCE IEEE Student Branch and IEEE Women in Engineering Bodies. It also has Department Staff and Student Association named as ECHO.

VISION OF DEPARTMENT

"To impart quality technical education for developing globally competent, ethically sound Electronics and Communication Engineers and innovators."

MISSION OF DEPARTMENT

• To provide conducive environment through structured student centric, teaching-learning process.
• To nurture needs of society by infusing scientific temper in students and to grow as a centre of excellence with effective industry-institute interaction.
• To inculcate self learning skills, entrepreneurial ability and professional ethics.

EDITORIAL COMMITTEE

Chief Editor:
Dr. J Shivakumar, Principal and Director

Managing Editors:
Dr. Krupa R. Rasane HOD, ECE, 9341107810, hod_ec_krr@jainbgm.in
Prof. Shivanand Hugar, ECE, 9632679799, shivanand.hugar@jainbgm.in
Prof. Gourang Naik, ECE, 9743886525, gourangdnaik@jainbgm.in

Student Co-ordinators:
Mr. Karthik Angadi, ECE Student, 9741248214, Karthik.andadi06@gmail.com
Ms. Shriya Deshpande, ECE Student, 9036891042, shriya.desh2000@gmail.com

Department Activities

1. IEEE Day Celebration-2022

Department of Electronics & Communication Engineering, Jain College of Engineering (JCE), Belagavi, in association with IEEE student branch, WiE celebrated IEEE day on 10th October 2022. The main goal of this event is to make students aware of IEEE membership and its benefits. IEEE students along with the faculty members visited "Shantai Vrudhhashram" i.e, the second childhood wherein Mr. Vijay More who is taking care of that vrudhhashram felicitated Dr. Krupa Rasane and congratulated IEEE team and JCE for spending time with old age people. Some activities were conducted and prizes were distributed to the active participants of vrudhhashram. IEEE branch donated few cloths and some daily use things to old age people. Overall it was a day with full of energy, empathy and socialism.

2. IEEE-WiE-AESS Innaugration -2022

Department of Electronics & Communication Engineering,Jain College of Engineering (JCE), Belagavi. IEEE SB, WiE & AESS was inaugurated on 22nd November 2022. The basic objective is to make students aware of the basic motto of IEEE, WiE and AESS students branch chapters providing a platform to students where they can interact with their peer group from around the section and also with the professional members from around the globe. Several activities that would help the students in fostering their core knowledge and at the same time nurture their leadership and managerial skills are being planned as a part of the academic year.

Dr. Meghana Kulkarni was the resource person of the function & she highlighted the role of an Electronic Engineer, need of semiconductor and chip design. The event was also well accepted by Dr. J.Shivakumar, Principal & Director of JCE, Belagavi.

3. A Skit on Women Harassment

Department of Electronics & Communication Engineering, Jain College of Engineering (JCE), Belagavi. International Day for the Elimination of Violence against Women- A Skit on Women Harassment conducted on 25th November 2022. The premise of the day is to raise awareness around the world that women are subjected to domestic violence. A skit played highlighted few day today's routines issues of working women who work on shifts or till late night. Also the women empowerment from birth to death and the fields where women proved themselves were highlights of the skit.

IEEE Student Branch performed the skit on Women Harassment Empowerment and an entire JCE College witnessed the act and well appreciated by all including Principal & Director Dr. J. Shivakumar.

4. Face Painting and Microphotography

Jain College of Engineering (JCE), Department of Electronics and Communication Engineering conducted face painting and microphotography on 19-11-2022. The judges for microphotography were Dr. R. C. Patil and Prof. Shahak Patil. The judges for face painting were Prof. Ashwini A. & Prof. Deepali Patil. For face painting total 5 participants were present out of which Poorvika S I of 3rd sem secured first prize. For microphotography 12 participants had participated out of which Prathamesh Lohar secured first prize, Devraj secured 2nd prize and Shirish secured 3rd prize.

5. 7 A-Side Football (Boys) & Box Cricket (Girls)

Jain College of Engineering (JCE), Department of Electronics and Communication Engineering conducted 7 a-side football (boys) & box cricket (girls) on 17-12-2022. The tournament was inaugurated was HOD Dr. Krupa Rasane and all the teaching and non teaching faculties of ECE dept. The event was coordinated by Prof. Shahak Patil. Total of 6 teams had participated for football as well as cricket.

For football winners were team Suii of 3rd sem and runners were team Eagle of 7th sem. For cricket winners were team RCB of 7th sem and runners were team Crazy 7 of 5th sem.

6. Poster Presentation on Harassment & Domestic Violence against Women

On account of International Day for the Elimination of Violence against Women, AICTE initiated the women pakhwada from 25th Nov to 10th Dec 2022. JCE IEEE, Women in Engineering (WiE) student branch with the Departmental Staff and Students of Electronics and Communication Engineering Department conducted a Poster Presentation on Harassment & Domestic Violence against Women. The premise of the poster presentation is to raise awareness around the world that women are subjected to domestic violence. Around 09 Students have participated in the event. Winners of the competition are Abhishek and Saish Karambalkar.

The event was evaluated by Prof. Minal Patil& Prof. Akshata Patil& guided by HOD Dr. Krupa Rasane and IEEE staff co-coordinators Prof. M. Saritha, Prof. Ashwini Araballi & Prof. Deepali Patil. Overall it was a successful event.

7. JCE ECE IEEE SB-School Adaption

JCE IEEE, Women in Engineering (WiE) student branch with the Departmental Staff and Students of Electronics and Communication Engineering Department visited to a rural government school that is KSRP Government school Machhe on 16th December 2022. IEEE SB adopted this school to enrich the lives of the students helping them to overcome their basic needs in expressing and exploring their creative side in bringing their imagination into reality.

The aim of this visit is to address the reviews/feedbacks of last time visit and finding their problems etc. Around 45 students of IEEE conducted some technical, non technical events for students also demonstrated few science demos. The entire visit was guided by HOD Dr. Krupa Rasane and IEEE staff co-coordinators Prof. M. Saritha,

Prof. Ashwini Araballi & Prof. Deepali Patil. Overall it was a successful event.

8. Orientation Program on VLSI Design

JCE IEEE, Women in Engineering (WiE) student branch with the Departmental Staff and Students of Electronics and Communication Engineering Department conducted an "Orientation Program on VLSI Design" Intel India STEM SKILL program for women candidates on 21st December 2022.The objective of the program is to empower female candidates from various engineering colleges across Karnataka on VLSI design & technology through hands-on learning. The program was welcomed by HOD ECE Dr. Krupa Rasane and 77 students ECE attended this program.

Mr. Sachin Kumar Patil & Mr. Deepakkumar Chikkamath were the resource persons of the program. The entire program was guided by HOD Dr. KrupaRasane and IEEE staff co-coordinators Prof. M. Saritha, Prof. Ashwini Araballi, Prof. DeepaliPatil & Prof. Vinayak Dalavi.

Faculty Achievements

Certification and FDPs

List of Faculty who have completed NPTEL course from July to December 2022

Prof. Krupa Rasane on 'Soft Skills' and 'Accreditation and outcome based learning'.
Prof. Deepali Patil on 'System Design through Verilog' & 'Digital electronic Circuits'.
Prof. Ashwini Araballi passed Swayam course on Principals of Signals and Systems.
Prof. Shivanand Upari on 'System Design through Verilog'.
Prof. Shivanand Hugar on 'System Design through Verilog'.
Prof. Vinayak Dalavi on 'System Design through Verilog'.
Prof. Satish Shindhe on 'Control Engineering'.
Prof. Ashwini Araballi on 'Embedded System Design with ARM'
Prof. Shivanand Channi on 'Embedded System Design with ARM'

Student Achievements

Semester Toppers

8th Sem

1. Amogh M Kulkarni - 91.1%
2. Nidhi K Nilaj - 89.8%
3. Pooja Balu Salunke- 89.8%

6th Sem

1. Chaitra Bhadrashetti - 89%
2. Bhoomika B Kadabi - 89%
3. Spoorti Vadagave - 89%

4th Sem

1. Atiya Fazil - 86%
2. Kartik Solanki - 85%
3. Balayya S Walaginamath - 84%
4. Prajwal Mahesh Palled - 84

Placements

Students (2023 Passout Batch) are placed in reputed companies like TCS, Smart SoC Solutions, Musigma, Accenture, Crave infotech. Below Graph shows the Placement offers till now with salary offered in LPA.

Placement Offers

LPA	Offers
3.5 LPA	3
4 LPA	14
4.5 LPA	14
5.5 LPA	4
6 LPA	15
7.6 LPA	8