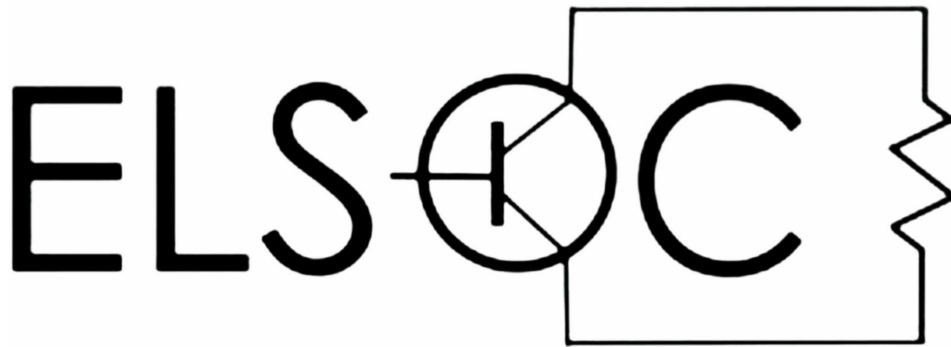


B.M.S. COLLEGE OF ENGINEERING
Autonomous Institute, Affiliated to VTU
Estd. 1946



ELSOC
Department of Electronics and Communication
BMS college of engineering

Author:

Shreyas S

Documentation head, ELSOC

Introduction

ELSOC(ELectronics SOCIety), a club under the Electronics and Communication Department of BMSCE, was established with the vision to bridge the gaps between academia and industry by conducting various workshops, competitions, and webinars on various topics related to Electronics, Communication, and other fields in demand.

Although electronics as a subject is intriguing and fun, being unaware of the basic circuits and their logic can make it seem difficult for a beginner. Students who had not opted for electronics as one of the core subjects in Pre-University often find it tough to understand certain concepts in electronics. Keeping this in mind, ELSOC BMSCE conducted a five-day peer learning session called “**Basic Electronics Made Easy**”.

Basic Electronics Made Easy

The sessions were conducted in blended mode on 11th, 12th, 13th, 16th and 18th of April, 2022. Basics of electronics such as Amplifiers, Oscillators, Op-Amps, Bistables, Registers, Multiplexers, Modulation, Modern communication systems, Embedded systems were taught by the instructors, and doubts regarding the same were clarified.

Instructors of the workshop were:

1. Bharath G S (6th Sem)
2. Bhuvan D B (6th Sem)
3. Gayatri Kulkarni (6th Sem)
4. Rakshith T S (3rd Sem)
5. Samrudh P (3rd Sem)
6. Sanjana A Hoskote (3rd Sem)
7. Sathvik S Srikanth (3rd Sem)
8. Shashank Shenoy Basty(6th Sem)
9. Shashank Bhat (6th Sem)
10. Shamitha T (3rd Sem)
11. Shreyas S (3rd Sem)
12. Tejas P V (3rd Sem)
13. Vishnu Vidyesh S (3rd Sem)
14. Vishvesha V (3rd Sem)

Meghana G K (6th Sem) and Soumya Gopal Kulhalli (3rd Sem) helped with organizing the peer learning session.

The first three sessions were conducted offline in Classroom No.303 of the Electronics and Communication Department. The last two sessions, upon the feedback received from the participants, were held online on Google Meet. The course “Basic Electronics and Communication Engineering ” of First year (chemistry cycle) was taken as a reference for the peer learning sessions. One unit from the above-mentioned course was covered in each session.

Day	Time	Concepts covered	No of Participants
11th	11 am to 1 pm	Voltage doubler, Tripler	8
12th	11 am to 1 pm	Op-Amps, Oscillators	2
13th	11 am to 1 pm, 2 pm to 4 pm	Adders, Decoders, Multiplexers, Bistables, Shift Registers, Counters	7 - Morning 4 - Afternoon
16th	2 pm to 4 pm	Basics of Embedded Systems, Communication Interface	30
18th	11 am to 2 pm	Modern Communication systems, Transmitter, Receiver, Multiplexing, Modulation	8

The instructors, along with teaching the concepts, solved problems, taught tips and tricks, conducted activities and encouraged the participants to interact and clarify any doubts regarding the subject. By the end of five sessions, the participants improved their understanding of electronics and were able to apply the concepts learnt with ease.

The peer learning sessions in total had 250 registrations and 30 participants. The feedback from the students was mostly positive, with constructive criticism that will be taken into consideration for future events. On 23/04/2022, Dr. Siddappaji, HoD, Dept. of ECE, along with the faculty members of ECE department presided over the felicitation ceremony to award certificates to the participants and the instructors of the peer learning session.

Attached below are the photos taken during the peer learning session :



Felicitation ceremony for the participants and the instructors :

