

CANARA ENGINEERING COLLEGE

Benjanapadavu, Bantwal, Mangaluru – 574 219

www.canaraengineering.in



IS&E NEWSLETTER

IKSHA

THE VISION

VOLUME 8 ISSUE 1 AUGUST 2021

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

Vision and Mission of the Institute

Vision

To be an Engineering Institute of the highest repute and produce world – class engineers catering to the needs of mankind.

Mission

- Provide the right environment to deliver quality education for all, irrespective of caste, creed or religion to produce future leaders.
- Create opportunities for pursuit of knowledge and all round development.
- Impart value education to students to build sense of integrity, honesty and ethics.

Vision and Mission of the Department

Vision

The Department of Information Science and Engineering strives to be a centre of learning in the field of Information Technology to produce globally competent engineers catering to the needs of the industry and society.

Mission

- Impart technical skills in the field of Information Science & Engineering.
- Train and transform students to become technological thinkers and facilitate a quality venture which meets the industrial and societal needs.
- Encourage students to become well-rounded in their professional competencies.

Program educational objectives

1. Graduates will succeed in the field of Information Science and Engineering, professional career and higher studies.
2. Graduates will analyze the requirements of the software industries and provide novel engineering designs and efficient solutions with legal and ethical responsibility
3. Graduates will adapt to emerging technologies, work in multidisciplinary teams with effective communication skills and leadership qualities.

HOD's Message:



Dr. Sumathi Pawar
HOD- IS&E

"It's not that we
use technology, we
live technology." –

The Information Science & Engineering Department is focused in cultivating well-educated and highly skilled students. The Department is established in the year 2004, provides quality education at affordable cost to the students. The department has well qualified, dedicated and experienced teaching and non-teaching faculty members with different specializations. Also it has well equipped laboratories to meet the requirements of the University and the students. We have Teacher-Guardian system and other professional society (CSI) and departmental association (CIPIX) to prepare the students for technologies. The department is conducting excellent training program through internal & external resource persons. Outcome-based education is one of the skill development programs conducting by the department for preparing the students to solve any given problem and to get placement skills. Through these various skill development activities, department has achieved 100% results in the final year from many years and have excellent placement records.

Chief Editor's Message:



Mrs. Archana Priyadarshini Rao
Newsletter "IKSHA" Chief Editor
IS&E Department

"The technology you use impresses no one. The experience you create with it is everything." – Sean Gerety

Welcome, everyone to a new chapter year and to our monthly newsletter IKSHA, Volume 8, Issue 1, August 2020. This newsletter is one such cherished work that has its roots in persuasion. The purpose of this newsletter is to unlock the hidden potentials within the students and faculties. I would like to extend sincere thanks to the management for the support and encouragement during this endeavour.

Technical Achievements:



SIRISH MAHADEVA BHAT (3rd yr ISE)

He has obtained HackerRank certificate for the skill on Python on 26th Oct 2020. He has achieved student level credential for completing CCNA Routing and switching under CISCO



UDBHAV U(3rd yr ISE)

He has obtained Hacker Rank certificate for the skill on Python.



LYOD KASAL(3rd yr ISE)

He has obtained Hacker Rank Certificate for the skill Python (basic) on 11th Dec 2020



NEHA KISHORE (3rd yr ISE)

She has obtained Hacker Rank certificate for the skill Python on 10th Dec 2020.

Technical Achievements:



NITHIN SHETTY(3rd yr ISE)

He has obtained HackerRank certificate for the skill Java on 12th Aug 2020.



KRISHNA RAO(3rd yr ISE)

He has obtained HackerRank certificate for the skill Python on 10th Dec 2020.



TANMAY NAYAK(3rd yr ISE)

He has obtained Hacker Rank certificate for the skill Python on 11th Nov 2020.

Technical Achievements:

ARCHANA ANANTH SHANBHAG (3rd yr ISE)



She has been the outstanding performer during the tenure of internship in the field of web development. She has successfully completed 3 different projects without any mentor as a part of learning and proved the meritorious capability by Verzeo. This was conducted on 20th Dec 2020. Eduonix congratulates Archana Shanbhag for the accomplishment obtained by completing the course "Learn Bootstrap development by building 10 projects" on Oct 24th 2020.

SHREYAS (3rd yr ISE)



He has been recognised as exceptional performer under full stack development with python django conducted by Regex during Oct 19th to Nov 19th 2020. Shreyas has obtained Hacker Rank certificate for the skill Python on 18th Sep 2020. He has successfully completed Machine Learning Internship at Internship Studio under the supervision of project mentor by demonstrating excellent performance and on time completion in the duration from 16th September 2020 to 23rd October 2020.

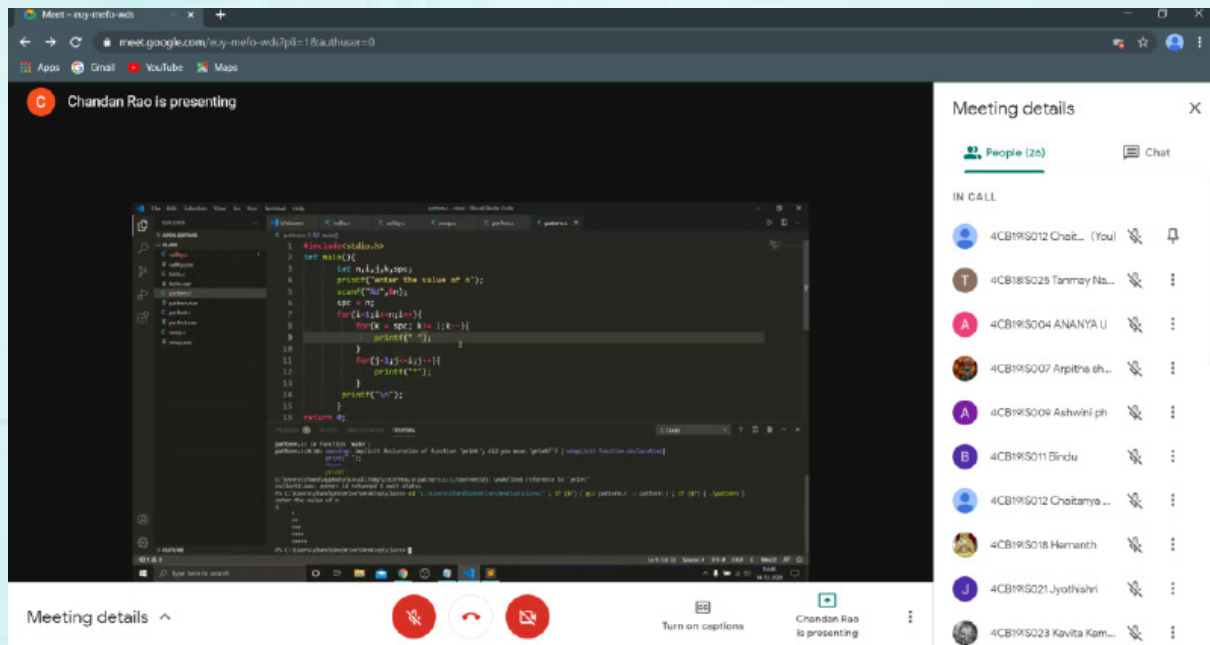
TECHNICAL PARTICIPATION in workshops/quiz/Webinars attended by students						
SL	USN	NAME	EVENTNAME	CATEGORY	PLACE	DATE
1	4CB18IS044	Sriraksa Shetty	Successfully completed online course on Java programming by Great Learning	Technical	online	Dec 2020
2	4CB18IS022	Krishna	<p>Participated in an online quiz "Startup, Innovation and IPR" organized by the Institution's Innovation Council of Shri Madhwa Vadiraja Institute of Technology.</p> <p>Participated in 3 days hands on workshop on "Cyber security and Ethical Hacking for beginners" organized by Ban-galore Institute of Technology</p>	Technical	online	7th to 9th December 2020
3	4CB18IS026	Neha Mudhol	<p>Participated in an online quiz "Start-up, Innovation and IPR" organized by the Institution's Innovation Council of Shri Madhwa Vadiraja Institute of Technology.</p> <p>Has been assigned the Design Intern by Chalk Piece design community, Chennai.</p> <p>Has successfully completed codedamn's HTML Fundamentals Learn the basics of web Developer certification representing approximately one hour of coursework by codedamn. Hasparticipate dinIEEE14.0Programming that hosted 7300+participants.</p>	Technical	online	Dec27, 2020

4	4CB18IS040	Shreyas	Has successfully completed the project on Full Stack development program on Python Django conducted by Regex.	Technical	online	20 th Oct to 2nd Dec 2020
5	4CB18IS017	Harshini	Successfully completed the online course on front end development-HTML by Great-learning. Successfully completed online course on MYSQL Basics by Great Learning Academy. Has completed the online course on SQL by Solo Learning.	Technical	online	20 th Dec 2020

INNOVATION CLUB ACTIVITIES:-

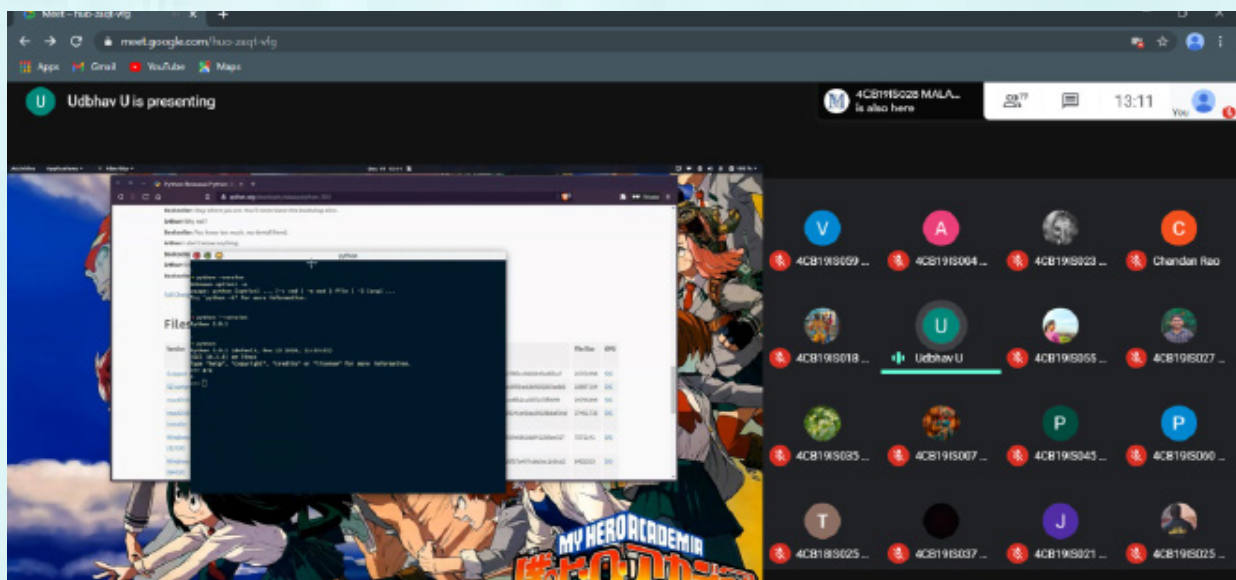
I.Enhancing C coding skills in addition to discussion of interview coding questions on C

The talk was conducted by the members of the Innovation club to 2nd year and 3rd year students. It commenced on 14th Dec 2020 from 1.30 p.m. During this session, Krishnamurthy from 2nd year briefed about certain concepts in C. Chandan from 3rd year gavew a detailed description on how to code and improve the coding ideas during interview sessions. He also took problem statements and explained the idea on coding. Many interview based questions were solved. Feedback was collected from students. The session was beneficial to both 2nd year and 3rd year students. The session came to an end by 3.00 p.m. Innovation Club Coordinator-Mrs.Archana Priyadarshini. Around 26 students participated in this event.



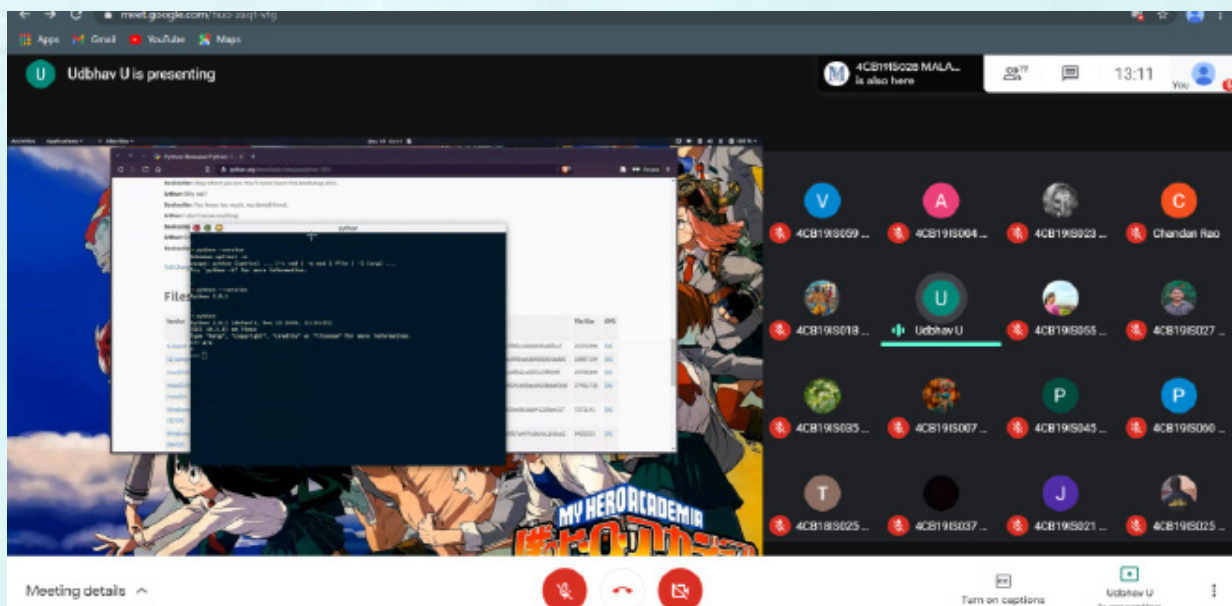
2. Session on -Gaining Java coding skills and highlights on the interview questions in Java

The session covered some basics of java mainly to second years. The session commenced on 16th Dec 2020 from 1.30 p.m. Tanmay explained the basics of Java along with some codes. Sirish explained in detail some of the coding tactics and solved practical interview based coding in Java. The session came to an end by 3.00 p.m. Feedback was taken from the students and the session was interactive. 27 students participated in this event.



3. Hands on Session-Gaining coding skills in python

Udbhav of third year ISE had presented over “introduction to python” to second year students on 20th Dec 2020. The session was very interactive and he also explained coding techniques required to work in python. The session commenced from 1.00 p.m. Feedback was taken among the students. The session came to an end by 3 p.m. Around 27 students participated in this session.



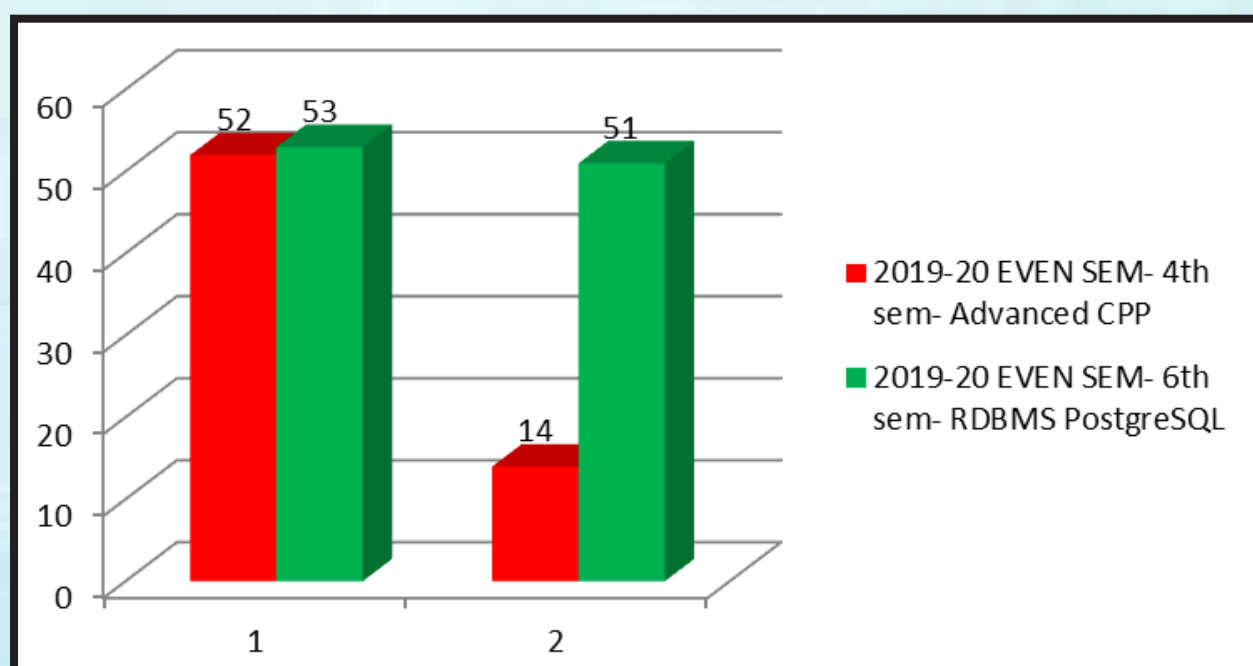
Summary Report on Training

Sl.	Year	Odd / Even		Subject	No. of Students Appeared	No. of students cleared	No. of students fail	Percent-age
1	2020-2021	ODD	3	C program (19.12.2020)	45	29	16	64.44%
			5	RDBMS Post-gre SQL	53	49	4	92.45%
2	2019-2020	EVEN	4	Advanced CPP	52	14	38	73.07%
			6	RDBMS Post-gre SQL	53	51	02	98.11%
3	2019-2020	ODD	3	C PROGRAM	48	31	17	64.58%
			5	JAVA	53	38	15	71.69%
4	2018-2019	EVEN	4	Advanced CPP	45	30	15	66.66%
			6	Python	49	37	12	75.51%
5	2018-2019	ODD	3	C Program	49	38	11	77.5%
			5	java	53	40	13	75.4%
6	2017-2018	EVEN	4	C Program	44	30	14	68.18%
			6	Python	46	36	10	78.2%
7	2017-2018	ODD	3	Introduction to Computers	50	47	03	94%
			5	Java	50	46	04	92%
8	2016-2017	EVEN	4	C++	50	41	09	82%
			6	Python	42	32	10	76.19%
			8	PERL	44	22	22	50%
9	2016-2017	ODD	7	PHP & My SQL	45	45	00	100 %
			5	Java	40	23	17	57.5 %
			3	C program	50	35	15	70 %

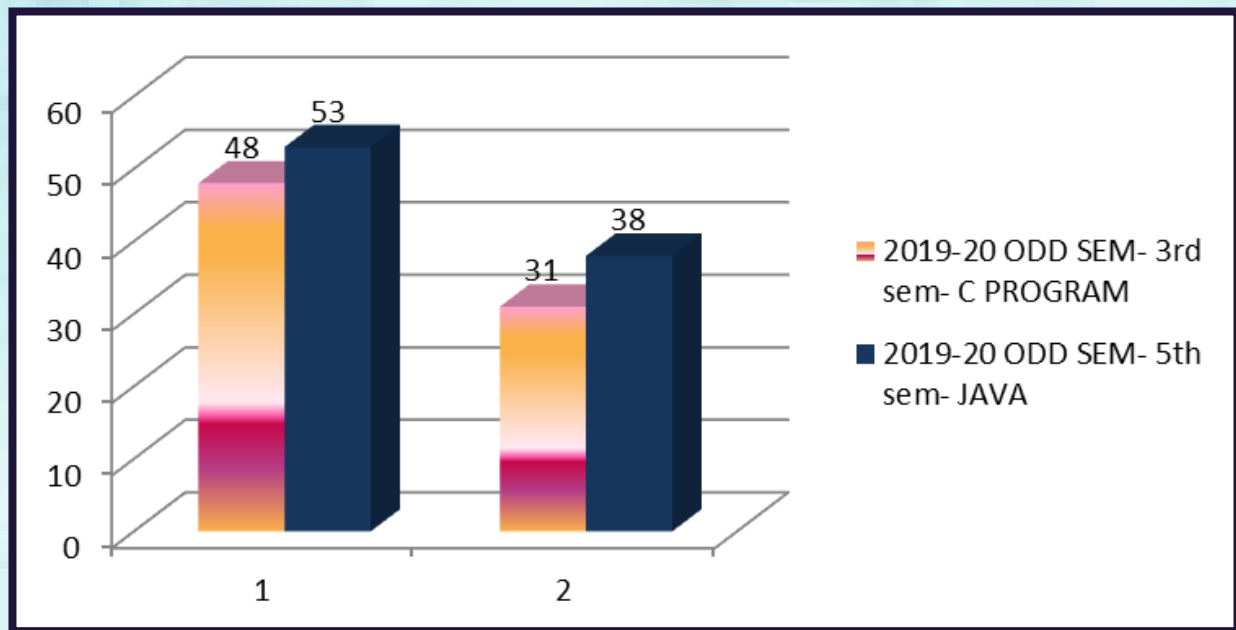
Spoken tutorial online test was conducted remotely from IIT Bombay and offered by the Spoken tutorial project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India. Advanced CPP and RDBMS PostgreSQL online test was organized. As the college closed due to COVID-19, it was required to take the test from home. Monitored and Coordinated by Prof. Ranganatha K Dept. of ISE. Second year and Third year students of ISE had enrolled for this test which was conducted on September 19th 2020.

Out of 51 students, 38 students and out of 53 students, 51 students of 2nd and 3rd Year students have cleared the test and received certificate respectively. C and RDBMS PostgreSQL online test was conducted on 19th Dec 2020. 45 students appeared for C test out of which 29 students have cleared the test and received the certificate. 53 students appeared for RDBMS PostgreSQL, out of which 49 students cleared the test and received the certificate

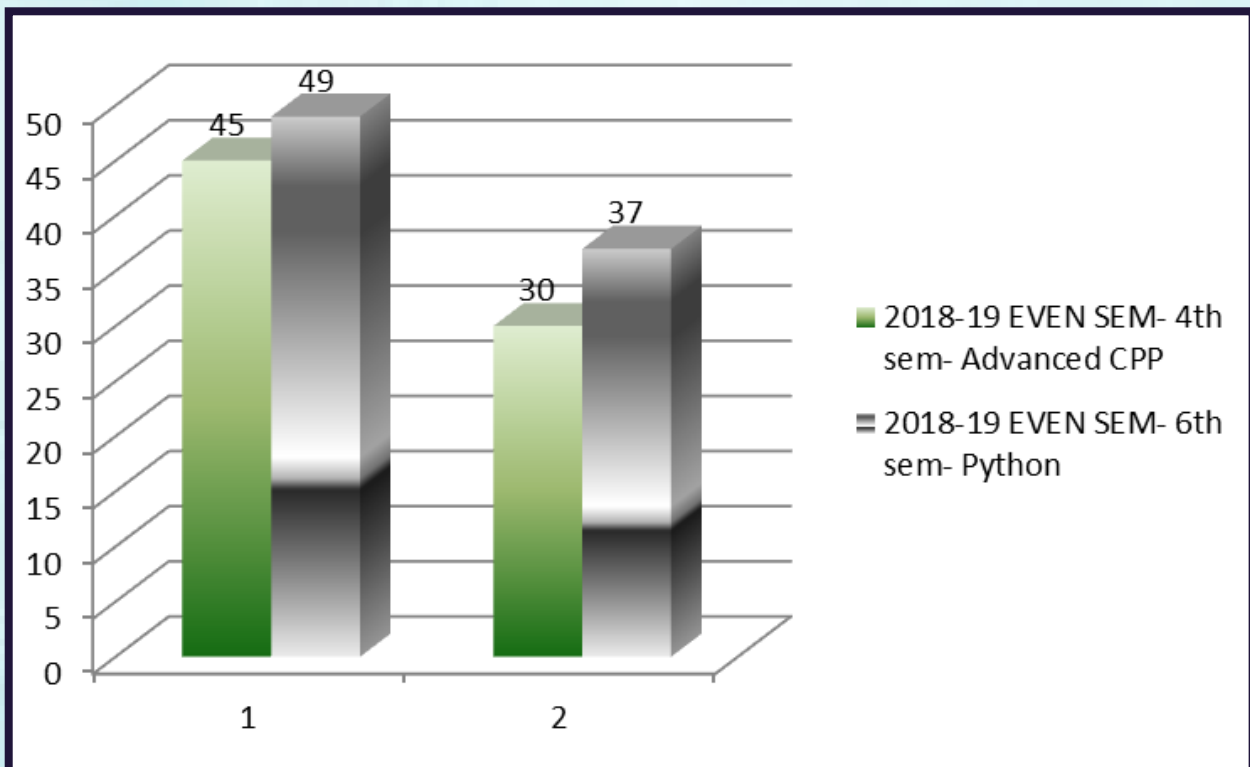
STATISTICS OF SPOKEN TUTORIAL 2020-21(ODD SEM)



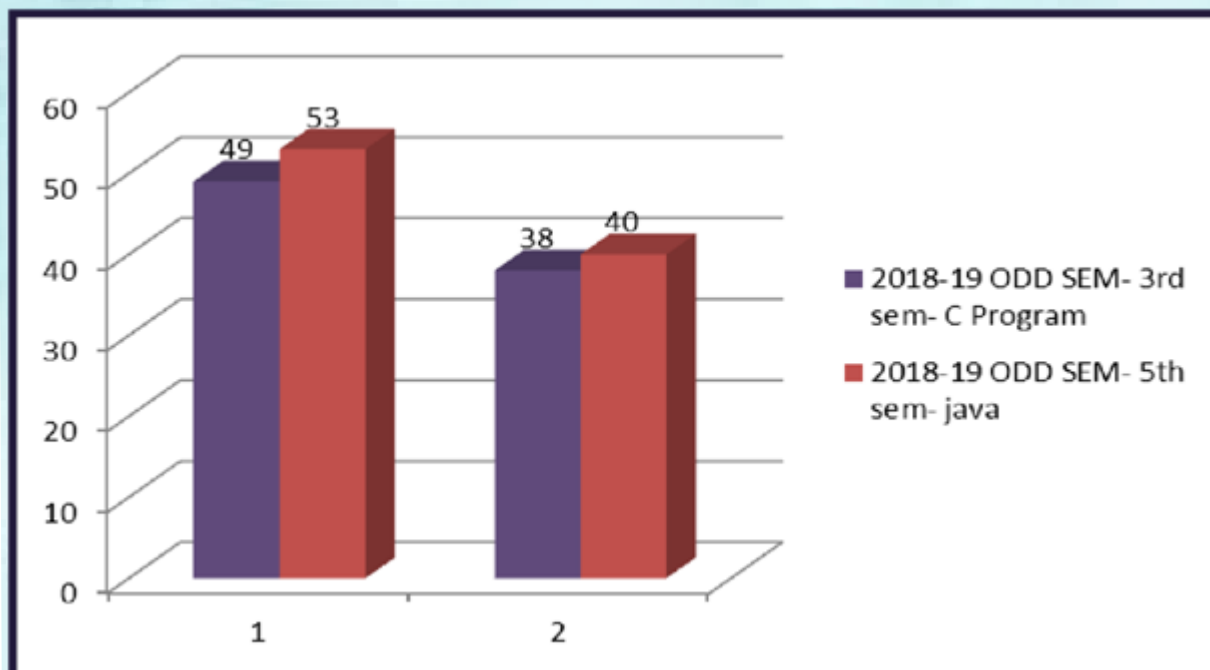
STATISTICS OF SPOKEN TUTORIAL 2019-20(ODD SEM)



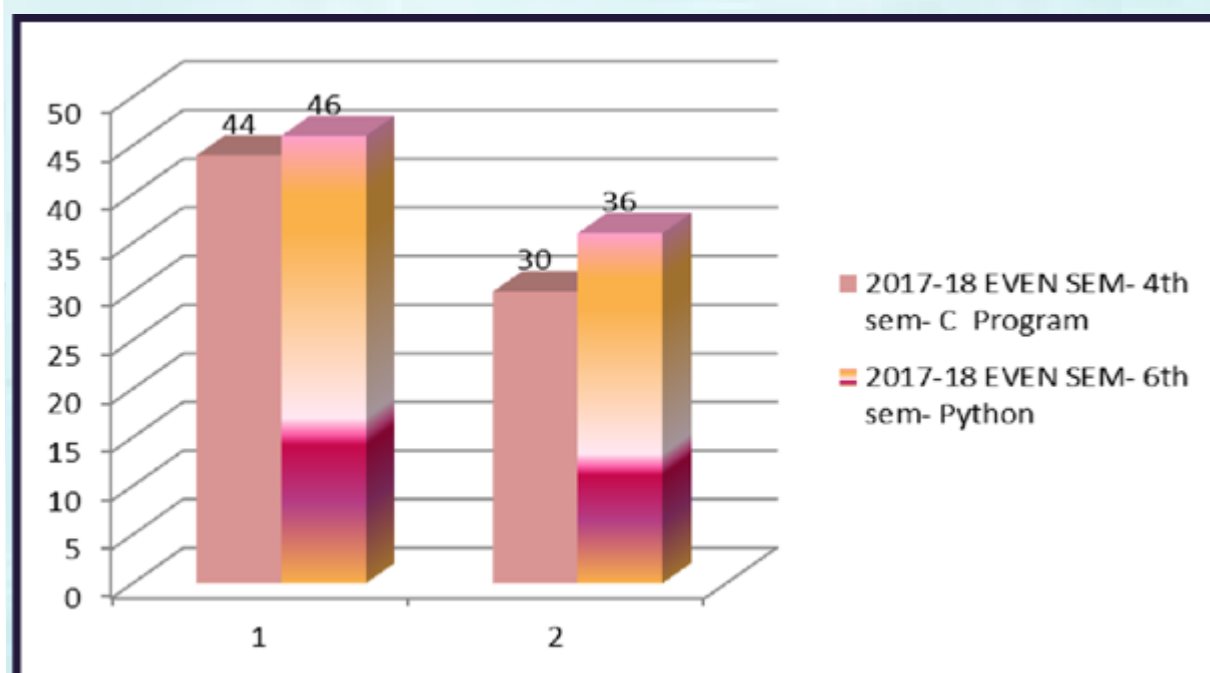
STATISTICS OF SPOKEN TUTORIAL 2018-19(EVEN SEM)



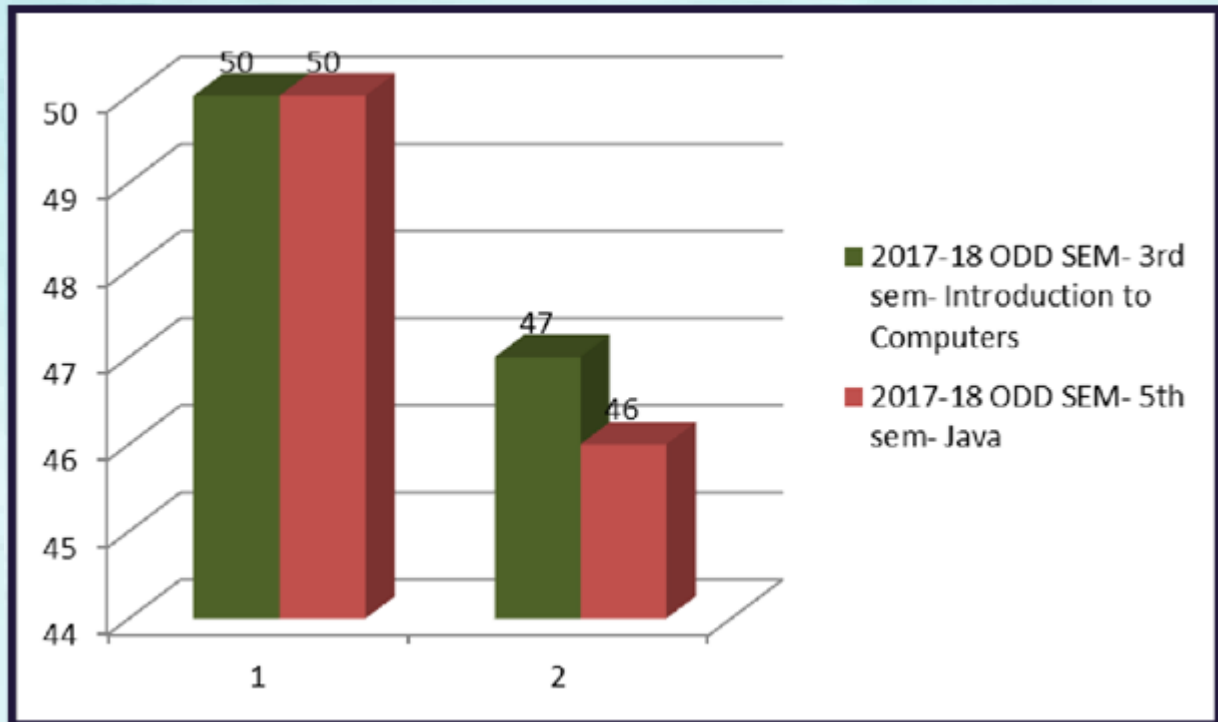
STATISTICS OF SPOKEN TUTORIAL 2018-19(ODD SEM)



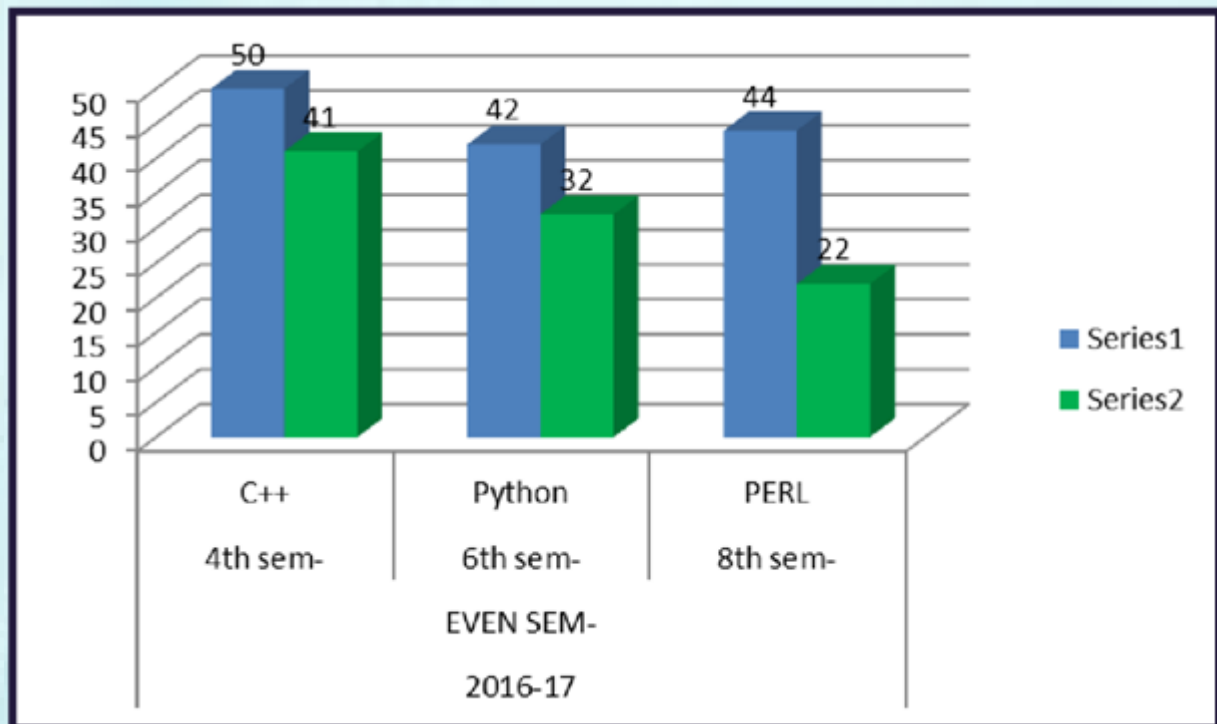
STATISTICS OF SPOKEN TUTORIAL 2017-18(EVEN SEM)



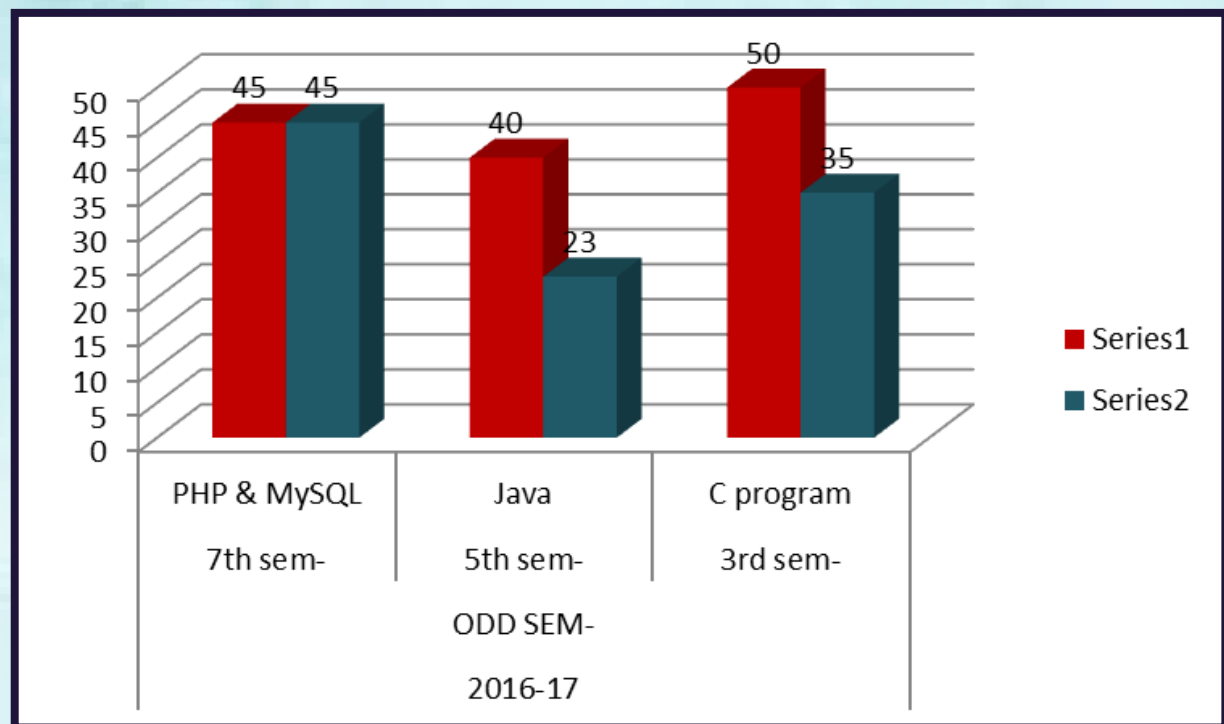
STATISTICS OF SPOKEN TUTORIAL 2017-18(ODD SEM)



STATISTICS OF SPOKEN TUTORIAL 2016-17(EVEN SEM)



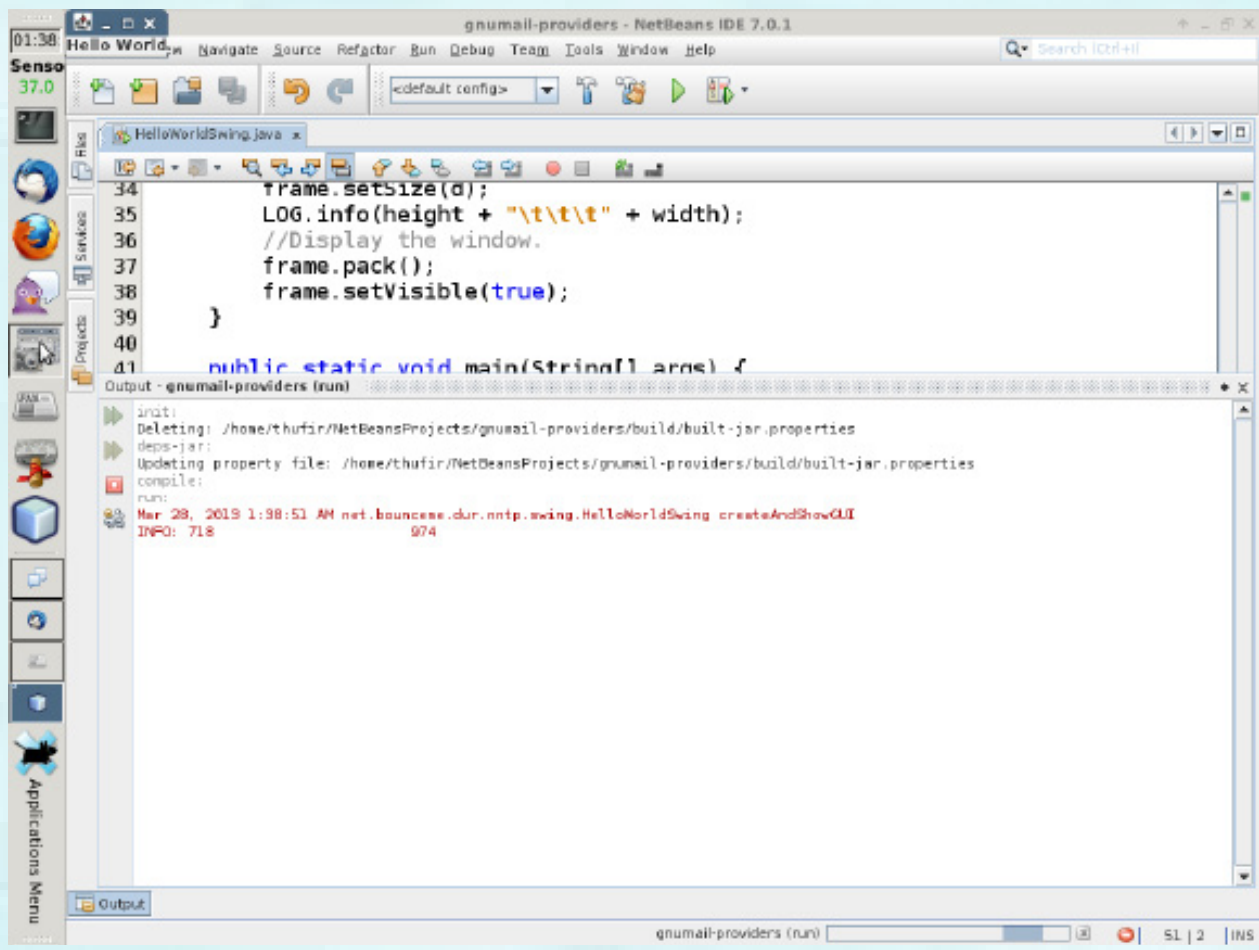
STATISTICS OF SPOKEN TUTORIAL 2016-17(ODD SEM)



CSI EVENT DETAILS

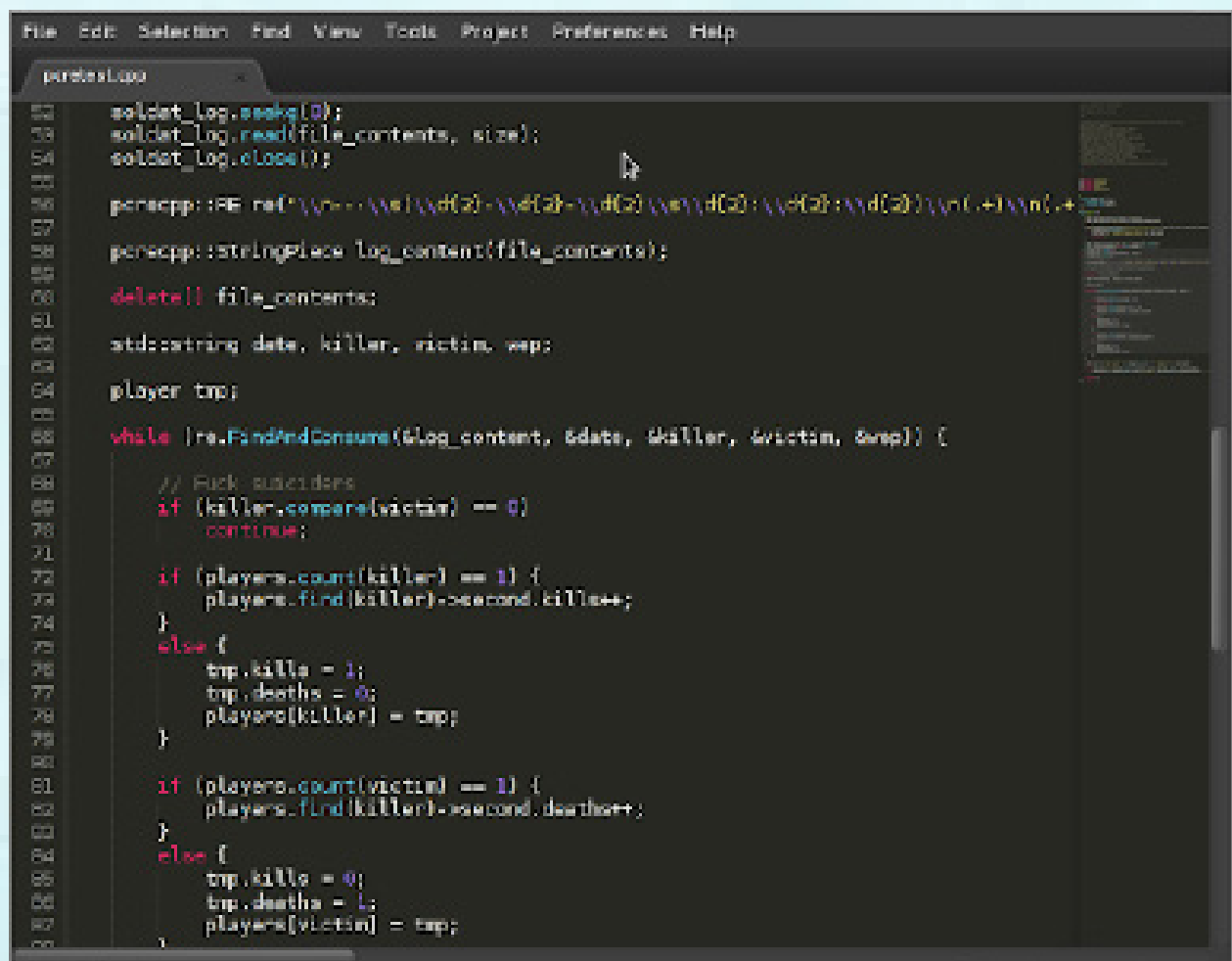
1. Workshop on JAVA PROGRAMMING

This workshop was conducted by neha B of final year ISE. This event was conducted on 12th Dec 2020. About 54 students participated in this event



2. Workshop on PYTHON PROGRAMMING:-

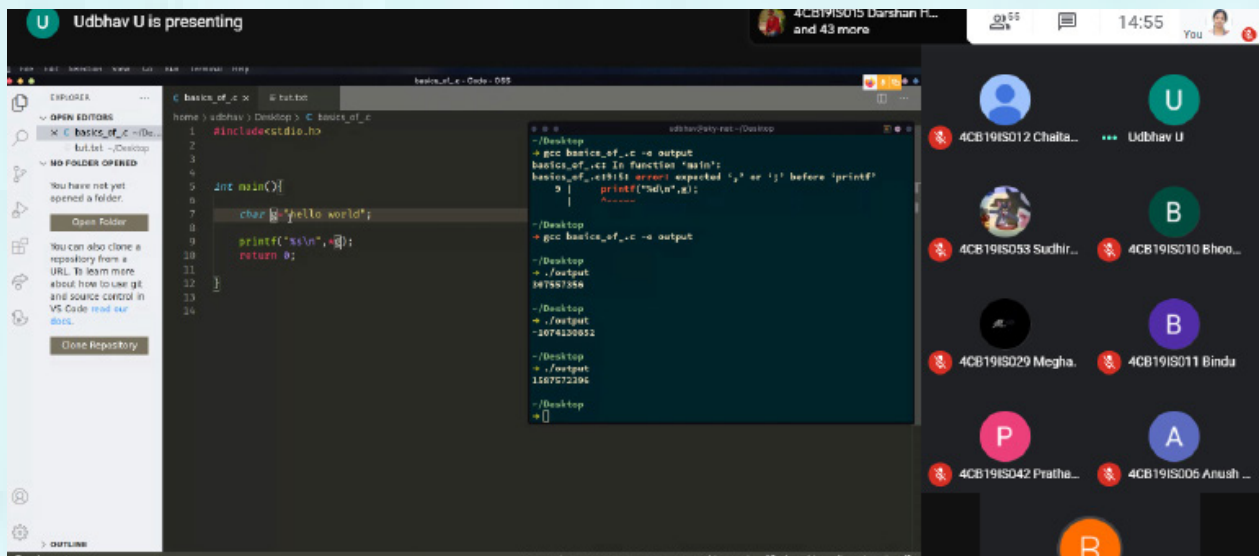
This workshop was conducted by MOHITH RAJ ,SAP LABS BANGALORE and VIJAY S RAO FINAL YEAR STUDENT CEC MANGALORE on 13th Dec 2020. Topics covered in python workshop were: Basic Data Types Control Flow Core Data Structures Functions. Around 54 students participated in this event.

A screenshot of a Python IDE window titled 'python3.py'. The code is written in Python and appears to be a game engine or simulation. It includes file handling, string parsing, and game logic. The code is as follows:

```
52 soldat_log.seek(0);
53 soldat_log.read(file_contents, size);
54 soldat_log.close();
55
56 pscpp::RE re("\\n-+\\s|\\d(2)-\\d(2)-\\d(2)\\s|\\d(2):\\d(2):\\d(2)\\n(.+\\n\\n)+");
57
58 pscpp::stringPiece log_content(file_contents);
59
60 delete[] file_contents;
61
62 atdcstrng date, killer, victim, wwp;
63
64 player tmp;
65
66 while (re.FindAndConsume(&log_content, &date, &killer, &victim, &wwp)) {
67     // Fuck suicides
68     if (killer.compare(victim) == 0)
69         continue;
70
71     if (players.count(killer) == 1) {
72         players.find(killer)->second.kills++;
73     }
74     else {
75         tmp.kills = 1;
76         tmp.deaths = 0;
77         players[killer] = tmp;
78     }
79
80     if (players.count(victim) == 1) {
81         players.find(killer)->second.deaths++;
82     }
83     else {
84         tmp.kills = 0;
85         tmp.deaths = 1;
86         players[victim] = tmp;
87     }
88 }
```

3. Workshop on BASIC C PROGRAMING

Vignesh P KUDVA Infosys Pvt Limited Mangalore and UD-BHAV 3RD STUDENT, DEPARTMENT OF ISE have presented this workshop on 19th Dec 2020. The workshop was aimed to gain knowledge in C programing. This workshop covered all aspects of Programming with C. The resource person detailed about the design, writing and testing of C programs. Many exercises are explained by the resource person to ensure that the statements taught are fully understood and practical experience is gained. Around 54 students participated in this event.



Faculty Publications:

Sl. No.	Name of the Faculty	Name of the Seminar/Conference Technical Fest/Journal	place	International Or National (Level of the event)	Name of the paper/event presented	PUBLICATION DATE,MONTH ,YEAR	DOI
1.	SADHANA B	Intelligent Computing, Information and Control Systems(ICICCS): SPRINGER PUBLICATION	ONLINE	International Conference	Detection of birds chirping using machine learning	JAN 29 2021	
2.	SADHANA B	Sentimental Analysis and Deep Learning (ICSADL 2020Conference	ONLINE	International	Retinal image diabetic detection Using multi layer	FEB 3 2021	

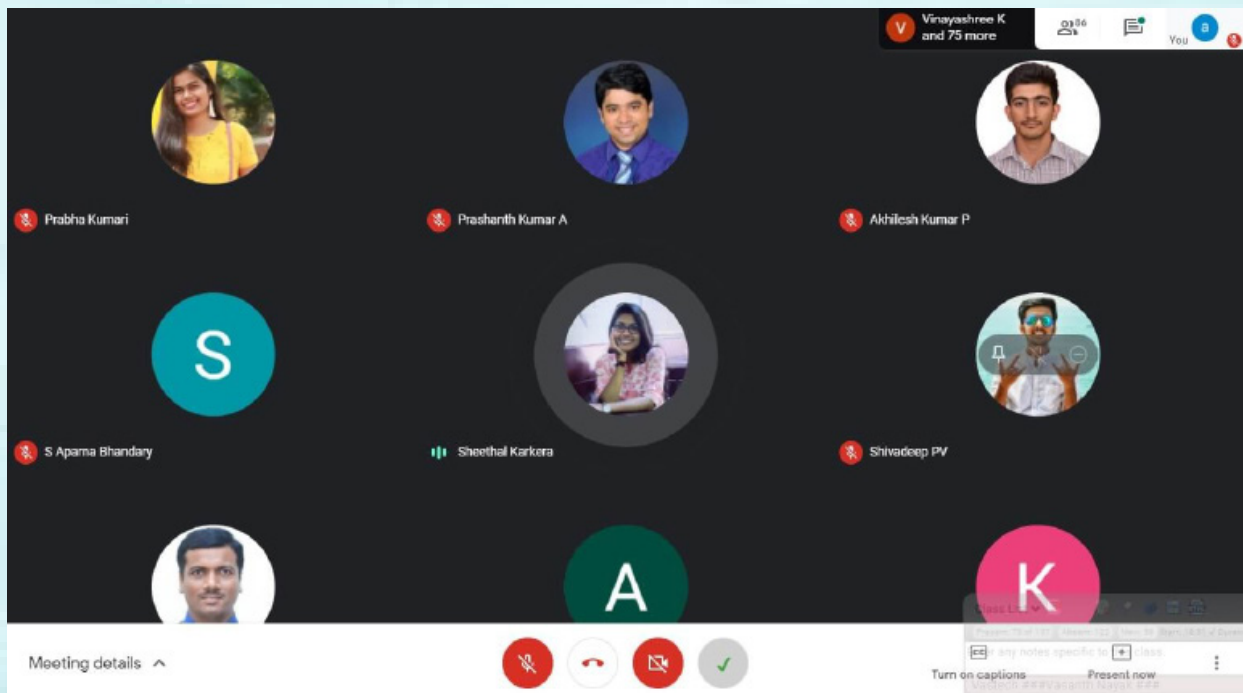
Conferences,Symposia,Seminars,Workshops etc.participated and published by Faculties:

Sl. No.	Name of the Conference/Workshop/FDP etc. Attended	Date & Month	Pages	DOI	Participants	Location
1	International workshop on “Research paper and report writing” from Vidyavardhaka College of Engineering	15th and 16th Dec 2020	nil	nil	Prof.Archana Priyadarshini	online
2	Webinar on “How to write proposals for Funding by ATME College of Engineering, Mysuru on 31st Dec 2020.	31st Dec 2020	nil	nil	Prof.Archana Priyadarshini	online

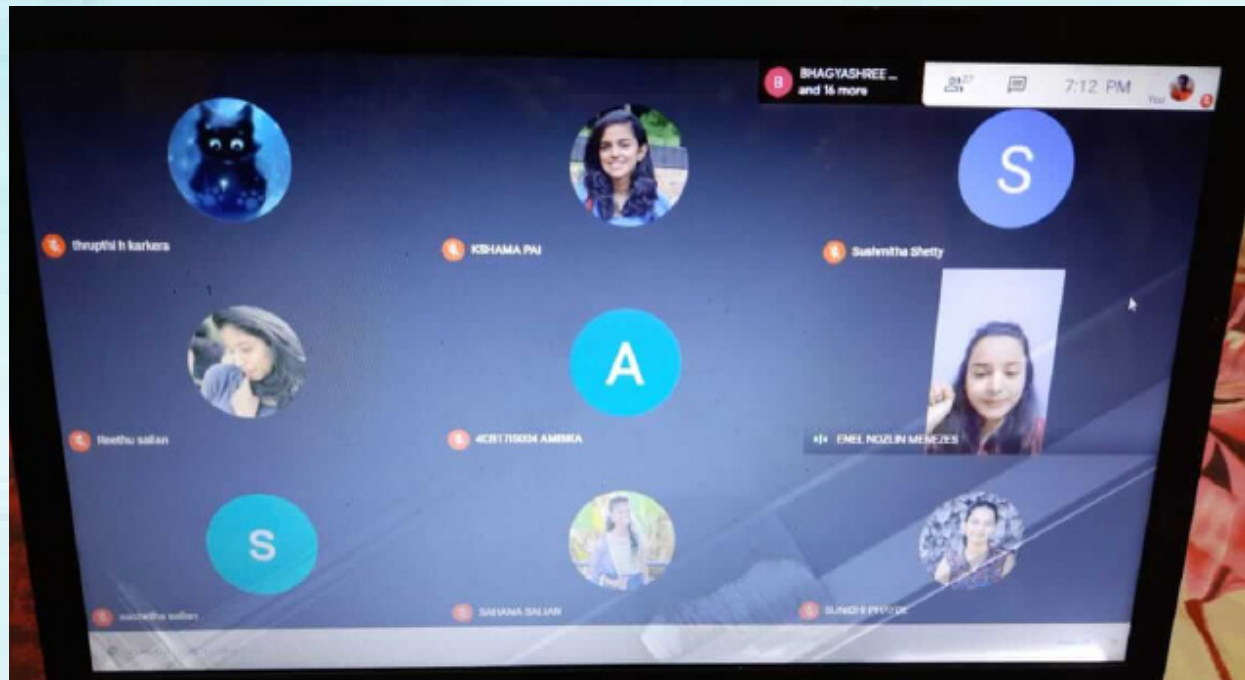
Alumni interactions with IS&E Students:

Ms. Sheethal Program Analyst Trainee, Alumnus of ISE 2020 , addressed how to face the CTS test and guidelines to prepare the readiness on 17th Oct 2020. Mr. Shivadeep P V Program Analyst Trainee, Alumnus of E&C 2019 batch currently working as a program analyst trainee in CTS, addressed how the HR will ask the question based upon resumes and interested subjects. Ms. K E Viditha Program Analyst Trainee, Alumnus of E&C 2018 batch currently working as a program analyst in CTS, addressed her experienced in the CTS. CS,IS &EC final year students were present in the google talk. 40 students of ISE were there in the meeting.

Ms. Pratiksha Prabhu, Trainee Software Engineer who was the Alumnus of ISE 2020, addressed how to face the Robosoft Technologies test and guidelines to prepare the readiness on 11th Dec 2020. 50 students of ISE participated in this event.



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ENEL NOZLIN MENEZES, has conducted placement guidance talk on SLK Software on 19th Dec 2020. All the final year students were participated. She has shared her experience in the company. More part concentrated about preparation of aptitude and self confidence. Around 57 students participated in this event.

