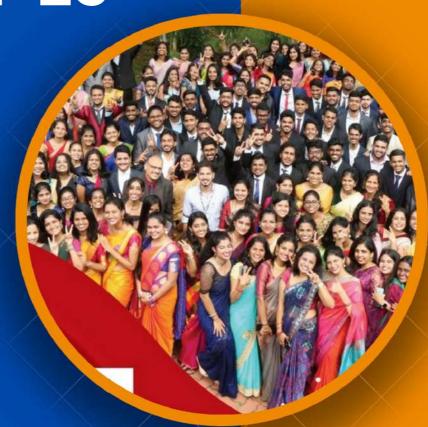




# CEC BULLETIN

2022-23





# **CONTACT US**

© Phone 8792727001 8792736001 Contact canarait@gmail.com www.canaraengineering.in

**⊙** Address Benjanapadavu, BantwalTaluk Mangaluru,DK574219









# Canara Engineering College (CEC)

Canara Engineering College has scaled to a prime position among technical institutions for its quality education at an affordable cost. In response to the changing trends, Canara Engineering College is providing quality technical human resources for the past 20 years, which has resulted in the institution gaining fame worldwide. Canara also has grown into a new destination for young technical talent to scale to greater heights in their career.



















#### PERSISTENCE PERSUARANCE IN PERSUIT OF PERFECTION

#### **COLLEGE VISION**

Quality Education at Affordable Cost being the philosophy Canara has the vision to be an Engineering Institute of highest repute and produce world-class engineers catering to the needs of mankind by providing the right environment to develop quality education for all, irrespective of caste, creed or religion to produce future leaders.

#### **COLLEGE MISSION**

To Create opportunities for pursuit of knowledge and all round development & to impart value education to students to build sense of integrity, honesty and ethics, To provide excellence in technical education and all round human resource development which is the corner stone and the guiding principle of this Institution.

B.E. in Computer Science & Engineering
B.E. in Information Science & Engineering
B.E. in Electronics and Communication Engineering
B.E. in Computer Science and Design
B.E. in Computer Science and Business System
B.E. in Artificial Intelligence and Machine Learning
Research Centre in CS, E&C, & Chemistry



**AV Classroom** 



**Digital Library** 



High Speed Internet



Bank & ATM



**Doctor on Campus** 



Hostel



**Bus Facility** 



Multi-Cuisine Canteen



**Huge Playground** 



Cultural Activities

**National Service Scheme** 

**Professional Counselling** 

Student Welfare Officer

**IIPC** 

Professional & Skill Development Training

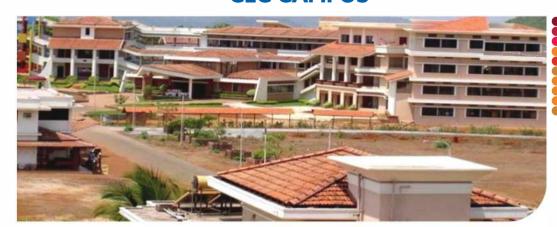
Cyber Center







## **CEC CAMPUS**







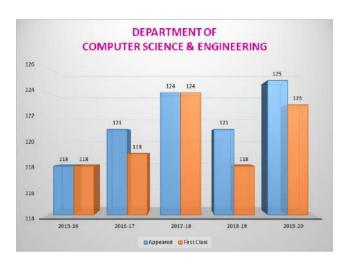


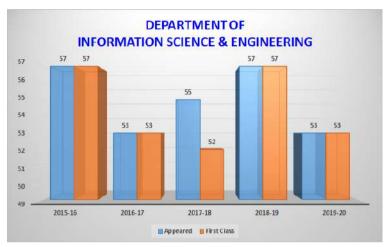


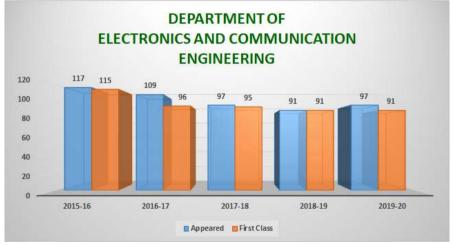


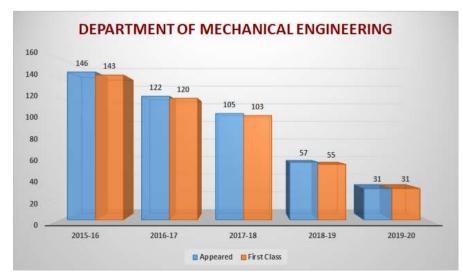


















The Placement and Training Department of our esteemed engineering college serves as a crucial bridge between the academic world and at the forefront of facilitating the seamless transition of students from academia to the professional world. This report aims to highlight the department's activities, achievements, and initiatives taken during the past academic year to empower students with the necessary skills and opportunities for a successful transition into the industry. The Training division within the department conducted a series of skill development workshops and training sessions. These workshops covered a wide array of topics such as technical skills, soft skills, mock interviews, resume writing, and personality development. The aim was to make our students job-ready and equip them with the necessary tools to excel in any professional environment.











# CAMPUS PLACEMENT DRIVES

Throughout the year, the Placement and Training Department organized several campus placements drives inviting a diverse range of top-tier companies and industries to the campus, creating ample opportunities for our talented students to explore and secure their dream jobs. The department's concerted efforts resulted in a significant increase in the number of companies visiting the campus for placements. This not only widened the options for students but also helped in securing diverse job roles.

## Placement drives at CANARA happen in 4 different levels

ON CAMPUS

**OFF CAMPUS** 

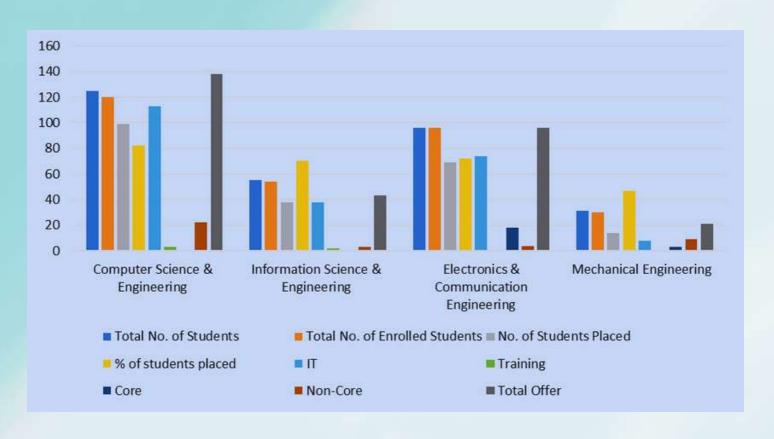
**VIRTUAL CAMPUS** 

POOL DRIVE AND PAN INDIA DRIVE

## **Students Statistics 2022-2023**

Branches	Total No. of Students	Total No. of Enrolled Students	No. of Students Placed	% of students placed	IΤ	Training	Core	Non-Core	Total Offer
Computer Science & Engineering	125	120	99	82.50	114	3	0	22	139
Information Science & Engineering	55	54	38	70.37	38	2	0	3	43
Electronics and Communication Engineering	96	96	69	70.83	74	0	18	4	96
Mechanical Engineering	31	30	14	46.67	4	1	7	9	21
Total	306	300	220	73.33	230	6	25	38	299

# Graphical Representation of Placement Statistics



# **Internship Opportunities**

Recognizing the significance of internships in nurturing future professionals, the department facilitated internships for students in reputed organizations. The internships offered valuable practical experience, enabling students to apply their theoretical knowledge and gain an edge in the competitive job market.

# **Training and Skill Development**

The Training division within the department conducted a series of skill development workshops. These workshops covered a wide range of topics, including technical skills, communication skills, problem-solving, and teamwork. The emphasis was on nurturing not only technical proficiency but also fostering holistic development to make our students well-rounded professionals.

# **Personality Enhancement Programs**

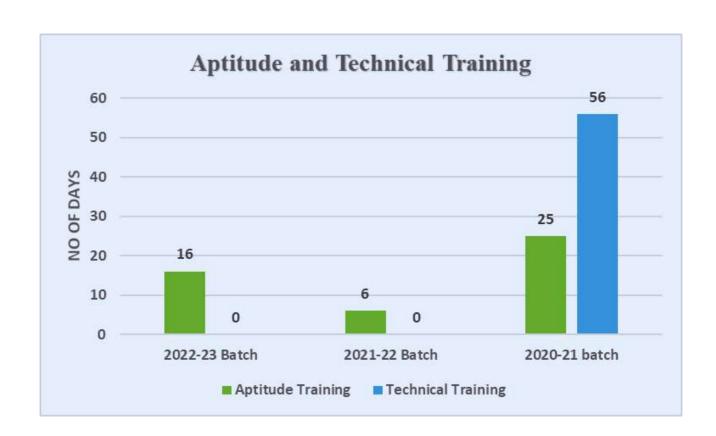
We understand the importance of soft skills in a student's professional journey. To address this aspect, the department organized personality enhancement programs. These programs focused on building confidence, improving communication, and developing leadership qualities, ensuring that our students stand out during interviews and in their workplaces.

# Alumni Engagement

The department actively engaged with its alumni network which comprises successful professionals across diverse industries., leveraging their expertise and industry connections. Alumni were invited to share their experiences through interactive sessions and career guidance programs. We organized alumni interactions, where former students shared their experiences and provided valuable insights into the corporate world.

These interactions created a strong network of support for current students and opened doors to numerous career opportunities. This connection served as an invaluable resource for current students, providing them with valuable insights into different career paths and industries.





# **Aptitude Training**





# **Technical Training**



# **Mock Interview**











































































Manipal Technologies Ltd.



















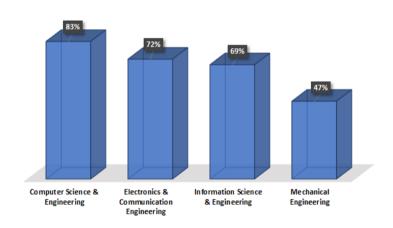


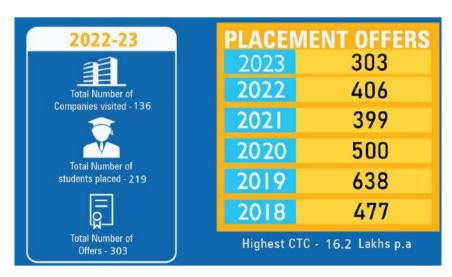






#### **TOTAL PLACED IN PERCENTAGE**





#### CAMPUS PLACEMENT

Infosys amazon.com Tech mahindra EMC OOLA CHGS Cigital circles MONAN maven







#### STUDENT WELFARE CELL

Student welfare is an integral part of any educational institution and at Canara Engineering College the Student Welfare Cell works relentlessly for student well-being.

Dr. Priya V. Frank, Dean – Student Welfare heads the cell, dealing with student issues, grievances, etc., while guiding and monitoring student behavioral and academic performance. Student Welfare Cell conducts numerous activities throughout the academic year to support and promote student wellness.

SL.NO	DATE	NAME OF THE EVENT	ORGANIZING CLUB
1	8/15/2022	Kalakaari	MAPS
2	8/15/2022	Selfie with Tiranga	MAPS
3	8/26/2022	Word Hunt	MAPS
4	9/2/2022	Brain Teasers	MAPS
5	9/11/2022	Pitchwell-Introduce Yourself	MAPS
6	9/11/2022	Scavenger Hunt	MAPS
7	9/15/2022	Shape the Scrap	MAPS
8	9/25/2022	Slide Deck	MAPS
9	9/25/2022	Who Am I?	MAPS
10	10/1/2022	Scavenger Hunt 2.0	MAPS
11	10/7/2022	CET Counselling - An Expert Talk by Mr. Narayana Moorthy	MAPS
12	10/14/2022	A Lecture on Basic Computing by Mr. Ajay Shet	Department of CSE and MAPS
13	10/15/2022	Tambola Evening	MAPS
14	10/29/2022	Canva Workshop	MAPS
15	11/6/2022	Skribbl	MAPS
16	11/12/2022	Checkmate	Sports Club
17	11/12/2022	Indradhanush	Fine Arts Club
18	11/12/2022	Workshop on Git and GitHub	Technical and Coding Club
19	11/12/2022	Fastest Fingers	Geek Hub
20	11/19/2022	Group Discussion	Gavel Club
21	11/19/2022	Docu-Fiction	Fine Arts
22	11/19/2022	Skribbl	GeekHub
23	11/19/2022	Swaach CEC	NSS, ESR, Adventure Club
24	11/16/2022	Awareness campain on Reducing and Recycling Single Use Plastic	DST and ESR Club

-				
	25	11/26/2022	Mit App Inventor - Workshop	Technovation
	26	12/1/2022	DSA December	Coding Club
	27	12/3/2022	Debate Competition	Gavel Club
	28	12/3/2022	Web Dev Version 1.0 ( Workshop)	Design Club
	29	12/3/2022	Line Follower Robot Hands on Workshop	Technovation Club
	30	12/3/2022	Blood Donation Camp	NSS and ESR Clubs
	31	12/3/2022	Priceless Moments: Photography Competition	Fine Arts and MAPS
	32	12/16/2022	CEC Replay	MAPS
	33	12/17/2022	Career Talks: 5 Tips to kickstart your Career by Shreya S. Aithal	Student Welfare Department and Industry Connect
	34	12/31/2022	Figma Fundamentals - A Hands on workshop by Vignesh Kunder	Department of CSE and GOC Technical Club
	35	12/31/2022	Python Boot Camp by Adithya Pai B	Deapartment of CSE and GOC Technical Club
	36	1/7/2023	Treasure Hunt	Adventure Club in association with Gavel Club
	37	1/7/2023	Best CV Competition	NDLI Club in association with Industry connect and Entrepreneurship club
	38	1/7/2023	Essay Competition - My Fav. Engineer	NDLI Club in association with Gavel Club
	39	1/7/2023	Essay Competition- My Fav. lady from Science	NDLI Club in association with Gavel Club
	40	1/7/2023	Workshop on Introduction to Basic Electronic Components	Technovation Club
	41	1/14/2023	Minesweeper - Time based problem solving Game	GeekHub
	42	1/14/2023	Trivia Trickery - Quiz Competition	MAPS
	43	1/14/2023	Poster Party - Poster Making Competition on Canva	MAPS
	44	1/21/2023	Spell Bee	Gavel Club
	45	1/21/2023	LinkedIn Workshop	MAPS
	46	1/21/2023	Workshop on Employability Skill Enhancement	Industry Connect Club
100				·

#### —ACTIVITIES CONDUCTED FOR 2022-23—

A talk on Anti Ragging, Road Safety, Cyber Crime, Drug Menace and Traffic Rules and fines was held for students of year. PSI, Gunapala J., addressed the students and enlightened them various legal sections and laws pertaining to the above issues. The program was held on 29th October, 2022 in the college Seminar Hall.

Talk by PSI, on Anti Ragging, Road Safety, Cyber-crime, Drug menace and Traffic rules



Dr. Rameela Shekhar, Mental Health Professional and Trainer, addressed students of 2nd year on "A look at workplace ethics". She addressed the students on workplace ethics, adhering to company rules, effective communication, being professional and about the time management. The talk was conducted on 4th November, 2022.

"A look at workplace ethics" – by Dr. Rameela Shekhar on 04.11.22



On 7th November, 2022, the Principal and Deans addressed students of higher semesters. Dean-Student Welfare addressed the students on discipline, zero tolerance for anti-ragging, dress code to be followed by the students and other matters related to student welfare. She also gave students an insight about student clubs and activities available in the college and encouraged students to participate in them.

Educative session for students of higher semesters – 07.11.22



Educative sessions for 1st year students were held on 1st December 2022. Dean-Student Welfare informed the freshers about various student clubs functioning in the college and encouraged them to register and participate in club activities. Educative sessions for 1st year students – 01.12.22



Radio Mirchi organized a "Ride Awareness Campaign" in the college campus for students on 16th December, 2022. Bikes were kept on display and students were enlightened on riding fundamentals and safety precautions. Contests and prizes was another highlight of the event.

"Ride Awareness Campaign" conducted at CEC on 16.12.22 by Bajaj and Radio Mirchi



Freshers Day was exclusively organized for the batch of 2022-23, to give them a chance to gel with their peers and to welcome them in to the Canara family. A one-hour cultural performance followed by a DJ night was held on 16th December, 2022. Fresher's Day – a cultural extravaganza to welcome the 1st years – 16.12.22



Ms. Shreya R. Aithal, Product Manager, Microsoft gave a very insightful and inspiring talk on "5 Tips to Kickstart Your Career" to the students of III year on 17th December, 2022. Building one's personal brand, expanding your network, cultivating the right mindset and attitude, honing technical and soft skills were some of the takeaways of the talk.

"5 Tips to kickstart your career" – Talk by Ms. Shreya R. Aithal on 17.12.22



Planet Education conducted sessions for students of 3rd year Engineering on 16th January 2023. Key highlights of the session:

1. Learn about Careers in Overseas 2. Part time jobs & post study work opportunities 3. Various Course/Country selection 4. Scholarships for qualified students 5. Assistance with Visas/Financials 6. Planet Alumni's & much more.

Awareness session on 16.01.23 for 3rd years on higher studies and careers overseas, by Planet Education



A Leadership program for 1st year students was organized on 19th and 20th January 2023. The speaker, Mr. Arjun Vellal, leadership expert talked about passion vs. talent, guiding principles, aspirations, role model, inspiration and influence, etc.

"Self-development is the first step to Leadership development" – Leadership program for 1st years by Mr. Arjun Vellal on 19th and 20th January 2023.



Dean – Student Welfare addressed students of 1st year CSBS and ECE, Sec G and H on how to maintain and boost emotional and physical wellness and manage to stay happy and stress free. The session was held on 31st May, 2023.

Addressing the 1st years on general wellness – 31.05.23



On 21st June, IISc, Bangalore conducted a program for students of 3rd year on the importance and benefits of GATE-JAM exams. The one-hour session was both informative and interactive.

Awareness session on GATE & JAM exams by IISc, Bangalore on 21.06.23



Arun Associates, Mangalore – a licensed passport and PAN card agent set up a help desk at the college for 3 days from 26th to 28th June, to facilitate application of passport and PAN card for students. The facility was open to all students.

Passport and PAN card facility provided to students – 26th to 28th June 2023

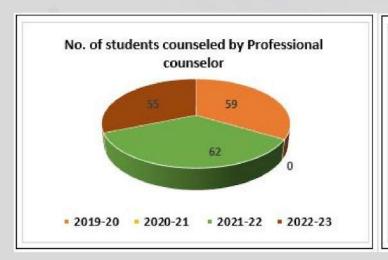


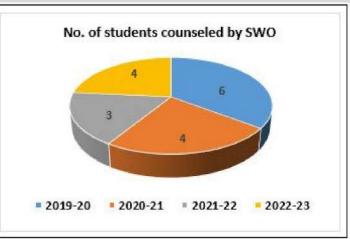
#### GRIEVANCES REDRESSAL SYSTEM

	No. of Griev	ances recei	ved through		No. of Grievances	Decision
Year & Semester	Suggestion box	Email / Online	In person	TOTAL	redressed (Action taken)	Pending
2022-23 - Odd Sem	0	1	14	15	15	NIL

#### STUDENT COUNSELLING

A Professional counselor visits the college every fortnight and interacts with students requiring counseling facility as per their personal or academic need, During, approximately 25 visits over the past year a number of students have benefitted from these counseling sessions. In addition, the Dean - Student Welfare also advises and guides students on academic or personal issues which may be minor in nature or need immediate attention.





#### **OUTCOMES OF COUNSELING**

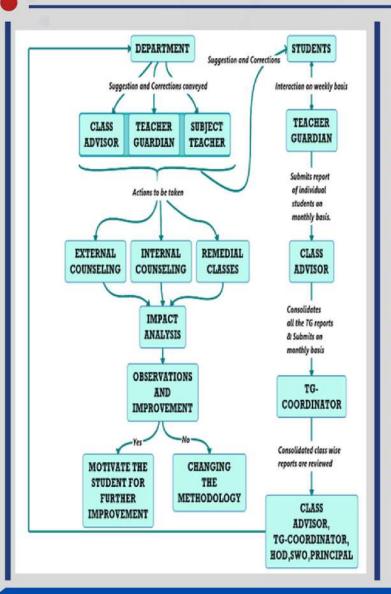
- Helping in boosting academic proficiency of students.
- Successfully mentoring students with personal problems.
- Identifying students needing psychiatric / psychological treatment and directing accordingly.
- Mentoring and guiding students with behavioral issues



#### TEACHER GUARDIAN MENTORING SYSTEM

#### **TEACHER GUARDIAN CELL (TG)**

- TG tracks every student's daily attendance, Internal Assessment results and any behavioral issues.
- Encourages students to participate in co-curricular & extracurricular activities.
- Gives academic feedback to the parents/guardians regularly.
- Counsels the students to solve difficulties encountered not only in college campus but in their personal lives too.
- Improves students' intra and interpersonal skills.
- Student gains important feedback on areas such as communication skills, technical abilities, leadership, time management, etc.
- Has been able to identify critical subjects and arrange remedial classes, pre-tests and other remedial measures for the improvement of performance.
- Gradually increases student's self-confidence during the span of academic life and thus have better control of his / her career.



#### TEACHER GUARDIAN CELL FUNCTIONING

- ·TG tracks every student's daily attendance, Internal Assessment results and any behavioral
- ·Encourages students to participate in co-curricular & extracurricular activities.
- ·Gives academic feedback to the parents/guardians regularly.
- ·Counsels the students to solve difficulties encountered not only in college campus but in their personal lives too.
- ·Improves students' intra and interpersonal skills.
- ·Student gains important feedback on areas such as communication skills, technical abilities, leadership, time management, etc.
- ·Has been able to identify critical subjects and arrange remedial classes, pre-tests and other remedial measures for the improvement of performance.
- ·Gradually increases student's self confidence during the span of academic life and thus have better control of his / her career.

## **CEC STUDENT CLUB**

In 2022-2023, the CANARA ENGINEERING COLLEGE spearheaded a wide array of activities conducted by various student clubs, including the Gavel Club, MAPS, the Sports Club, the Fine Arts Club, the Technical and Coding Club, the NDLI Club, the Technovation Club, GeekHub, etc. These activities were educational, yet also exciting, exemplifying the college's commitment to creating a multifaceted and dynamic learning environment.

Starting in August 2022, MAPS held cultural events like Kalakaari and Selfie with Tiranga to foster creativity and promote national pride. They also conducted a range of quizzes, games, and workshops like Brain Teasers, Pitchwell-Introduce Yourself, Shape the Scrap, and Slide Deck, offering students the chance to enhance a myriad of skills outside the traditional classroom setting.

In addition to cultural and fun activities, the academic growth of students was also prioritized — exemplified in the CET Counselling session led by Mr. Narayana Moorthy and a lecture on Basic Computing by Mr. Ajay Shet, both organized by MAPS and the Department of CSE. Moreover, in November 2022, a Workshop on Git and GitHub was held by the Technical and Coding Club to equip students with crucial tech skills.

The beginning of 2023 saw an increased collaboration between clubs, with the Gavel Club and the NDLI Club jointly conducting essay competitions. The Technovation Club gave students an introduction to basic electronic components and GeekHub continued to engage students through time-based problem-solving games like Minesweeper. MAPS also explored diversified events like Poster Party and LinkedIn Workshops, ensuring all-round development of students.

Briefly, the student clubs of CANARA ENGINEERING COLLEGE have hosted a wide spectrum of activities promoting learning and growth, encouraging student involvement, and cultivating an enriching campus culture. More details regarding these activities can be referred to in the summary table below. Further, a collage photo below will provide a glimpse into these engaging events.

































Sl.No	Date	Name of the Event	Organizing Club
1	8/15/2022	Kalakaari	MAPS
2	8/15/2022	Selfie with Tiranga	MAPS
3	8/26/2022	Word Hunt	MAPS
4	9/2/2022	Brain Teasers	MAPS
5	9/11/2022	Pitchwell-Introduce Yourself	MAPS
6	9/11/2022	Scavenger Hunt	MAPS
7	9/15/2022	Shape the Scrap	MAPS
8	9/25/2022	Slide Deck	MAPS
9	9/25/2022	Who Am I?	MAPS
10	10/1/2022	Scavenger Hunt 2.0	MAPS
11	10/7/2022	CET Counselling - An Expert Talk by Mr. Narayana Moorthy	MAPS
12	10/14/2022	A Lecture on Basic Computing by Mr. Ajay Shet	Department of CSE and MAPS
13	10/15/2022	Tambola Evening	MAPS
14	10/29/2022	Canva Workshop	MAPS
15	11/6/2022	Skribbl	MAPS
16	11/12/2022	Checkmate	Sports Club
17	11/12/2022	Indradhanush	Fine Arts Club

		I	
18	11/12/2022	Workshop on Git and GitHub	Technical and Coding Club
19	11/12/2022	Fastest Fingers	Geek Hub
20	11/19/2022	Group Discussion	Gavel Club
21	11/19/2022	Docu-Fiction	Fine Arts
22	11/19/2022	Skribbl	GeekHub
22	44/40/2022	Sh CFC	NSS, ESR,
23	11/19/2022	Swaach CEC	Adventure Club
24	11/16/2022	Awareness campain on Reducing and Recycling Single Use Plastic	DST and ESR Club
25	11/26/2022	Mit App Inventor - Workshop	Technovation
26	12/1/2022	DSA December	Coding Club
27	12/3/2022	Debate Competition	Gavel Club
28	12/3/2022	Web Dev Version 1.0 ( Workshop)	Design Club
29	12/3/2022	Line Follower Robot Hands on Workshop	Technovation Club
30	12/3/2022	Blood Donation Camp	NSS and ESR Clubs
31	12/3/2022	Priceless Moments: Photography Competition	Fine Arts and MAPS
32	12/16/2022	CEC Replay	MAPS
			Student Welfare
33	12/17/2022	Career Talks: 5 Tips to kickstart your Career by	Department and
		Shreya S. Aithal	Industry Connect
		Figma Fundamentals - A Hands on workshop by Vignesh Kunder	Department of CSE and
34	12/31/2022		GOC
			Technical Club
	12/31/2022	Python Boot Camp by Adithya Pai B	Deapartment of CSE and
35			GOC
			Technical Club
			Adventure Club in
36	1/7/2023	Treasure Hunt	association
		Section desired made authorized to the text	with Gavel Club
			NDLI Club in association
37	1/7/2022	Post CV Compatition	with Industry
3/	1/7/2023	Best CV Competition	connect and
			Entrepreneurship club
38	1/7/2023	Essay Competition - My Fav. Engineer	NDLI Club in association
36	1///2023	Essay Competition - Iviy Fav. Engineer	with Gavel Club
39	1/7/2023	Essay Competition- My Fav. lady from Science	NDLI Club in association with Gavel Club
		Workshop on Introduction to Basic Electronic	200
40	1/7/2023	Components	Technovation Club
41	1/14/2023	Minesweeper - Time based problem solving Game	GeekHub
42	1/14/2023	Trivia Trickery - Quiz Competition	MAPS
13-32-24-95		Poster Party - Poster Making Competition on	HOVERBOOKS SEED
43	1/14/2023	Canva	MAPS
44	1/21/2023	Spell Bee	Gavel Club
45	1/21/2023	LinkedIn Workshop	MAPS
46	1/21/2023	Workshop on Employability Skill Enhancement	Industry Connect Club
47	1/28/2023	Logo Design Contest ( Virtual)	MAPS

48	2/3/2023	E- Waste Bin Installation	Adventure Club
49	2/4/2023	Hands on Workshop on LinkedIn for Faculty and Staff	MAPS
50	2/7/2023	Line Follower Robot Hands on Workshop	Technovation Club
51	2/11/2023	Quiztronics	Technovation Club
52	2/11/2023	3D Printing Workshop	Design Club
53	2/11/2023	Aircrash	Gavel club
54	2/11/2023	Tech Bytes Quiz	Geek Hub
55	2/16/2023	Dive Into Python Hands on WorkShop	Coding Club
56	2/25/2023	Hands on workshop on Introduction to C and Web Development	GOC
57	3/1/2023	Mehendi Mania	Fine Arts Club
58	3/3/2023	Guess the Woman ( Who is She)	ESR Club
59	3/4/2023	Point of View- Pick and Speak	ESR Club
60	3/6/2023	Poster Palooza	Fine Arts Club
61	3/7/2023	Food Rush	Fine Arts Club
62	3/11/2023	In association with NDLI - Problem Solving	Coding Club
63	3/11/2023	In association with NDLI - Photography Contest	MAPS
64	3/11/2023	In association with NDLI- Quiz competition	Design Club
65	6/7/2023	Logo Quest	Design Club
66	6/14/2023	Canva Workshop and T shirt Design contest	Design Club
67	6/28/2023	Talk on IOT	Design Club

#### **ALUMNI COMMITTEE**

The vision of an alumni committee is not limited to reminiscing about past glories but rather transcends into the realm of creating a brighter future for those who walk the halls today. It is a heartening realization that the spirit of camaraderie and unity continues to flourish, connecting the past to the present, and shaping the trajectory of aspiring minds.

In the pursuit of nurturing holistic development and ensuring a bright future for our present students, our esteemed institution took an innovative step by organizing an impactful "Alumni Giving Placement Guidance Talk." and this activity is continuing from then on. This event served as a bridge connecting the experiences of successful alumni with the aspirations of current students, providing invaluable insights into the world beyond the campus walls.

As part of this we have conducted 8 interaction sessions for the students of second year to final year. Total of around 427 students have benefited from these interactions. The alumni involvement was overwhelming. Our alumni are also involved in conducted mock interviews which have helped the present third year students in preparing for the upcoming placement drives.





As every year we also had an alumni meet on April 1st, 2023, around 25 alumni participated in this event. Discussions were held regarding development of better connect and reach with the alumni. Few suggested to have the meet in different locations so as to reach majority of the alumni. The committee members proposed the activities which took place in the previous academic year like alumni talks related to placement guidance and technical knowledge sharing with the students. Requested all of them to have such more interactions and also help the present students in their academic projects and placement related activities. All of them assured of providing help and guidance for the same.







# **Self-Learning Committee**

## **Closure Report forthe Academic Year 2022-23**

Self-learning Committee oversees the learning opportunities for the students and faculty members outside the regular curriculum through various MOOCs and Spoken Tutorial initiative of IIT, Bombay.

#### **Spoken Tutorial:**



III yearISE - Python 3.4.3 Test



III year CSE - RDBMS PostgreSQL Test

The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like RDBMS PostgreSQL, Python 3.4.3, Arduino, BASH, Java, C/C++, etc. via an easy Video tool – Spoken Tutorials. Fifteen Tests on various FOSS were conducted for the 2nd and 3rd year students of ECE, CSE, ME, ISE, CSBS, CSD and AIML branches. Following Table provides the details of Spoken Tutorial Tests conducted in the academic year 2022–23.

	Tests Conducted	Participants	Certificates Issued
Odd Semester	11	667	340
Even Semester	4	239	217
Total	15	916	603



#### **NPTEL:**

**NPTEL Discipline Star of CS&E** 



Savitha Acharya (Dept. of ECE)

#### **Topper of 1% in the NPTELOnline Course**



Divyesh Divakar (Dept. of ECE) "Learning Analytics Tools" AND "Introduction to Machine learning"

## Topper of 5% in the NPTEL Online Courses



**Anantha Krishna Kamath** (Dept. of ECE)

"Learning Analytics Tools" & "Introduction to Machine learning" & "Data Analytics with Python"



Shreenath (Dept. of ME) "Building Materials and Composites"



Ashwini K G (Dept. of ECE) "Learning Analytics Tools"





Vishweshwra Upadhyaya K (Dept. of BS)

"Accreditation and Outcome Based Learning" & "Python for Data Science"



**Dr. Nurgemar Satheesha Kumara** (Dept. of ME)

"Effective Writing" and Elite + Gold in "Educational Leadership"



Vasanth Nayak (Dept. of ISE) "Programming in Java"



In July- Dec 2022 semester of NPTEL, a total of 17 students and 23 faculty members have successfully completed the courses offered by various IITs. Around six faculty have secured top 1% and 5% whereas four students have secured Elite+Silver grade in various courses.

In Jan-Apr 2023 semester a total number of 15 faculties have certified with 04 faculty securing 5 topper in their respective courses and total number of students certified is 08.

Following Table provides the details of NPTEL courses in the academic year 2022-23.

	July- Oct 2022	Jan- Apr 2023	AY 2022-23
Total Number of Faculties Certified	23	15	38
Total Number of Students Certified	17	08	25
Total	40	23	63

#### Coursera:

Under Coursera platform 977 students have enrolled for various Coursera courses like Digital Signal Processing Basic Concepts and Algorithms, RPA Basics And Introduction To Uipath, JAVA Programming, Introduction To Communication Science, Python for data science, AI &Development, Introduction to Front-End Development, Java Servlet Pages, etc., out of which 957 students have gotcertified with an average PI (Performance Index) of 0.9. 897 students have obtained financial aid from Coursera and the courses opted by 121 students is free.



	No. of students enrolled	No. of students certified
Odd Sem	727	690
Even Sem	190	190
Total	977	957

# **SPORTS AND GAMES**



### >>> WOMEN KABADDI TOURNAMENT

MSNIM, Mangalore

Students from Canara Engineering college were participated in women kabaddi Tournament held at Manel Shreenivas Nayak Institute of Management. Total 09 Students were participated from various branches. They won second place in inter college event.

## CHESS TOURNAMENT <<<

NIMAMIT. Nitte

Students from Canara Engineering college were participated in VTU Rest of Bangalore division chess tournament which is held at regional office Mysore on 22/0622 and qualified to play VTU State level tournament held at NIMAMIT Nitte, Total 4 students took part in this event.



## >>> ATHLETICS MEET

VTU, Belagavi

Students from Canara Engineering college were participated in VTU state level and won the awards in athletics Meet held at VTU Belagavi on 27/06/2022. Total 05 students were able to won the 06 prizes in different events.

## ATHLETICS MEET <<<

VTU, Belagavi

Students from Canara Engineering college were participated in VTU state level athletics Meet held at VTU Belagavi on 27/062022. Total 13 Students were participated in different events and some of them were won the awards.





### >>> KABADDI TOURNAMENT

VCET, Puttur

Students from Canara Engineering college were participated in Kabbaddi Tournament held at VCET Puttur on 06/11/2022. Total 12 Students were participated from various branches. VTU Mangalore division.

## WOMEN KABBADDI TOURNAMENT <<<

GEC, Kushal Nagar | APSCE, Bangalore

Students from Canara Engineering college were participated in Women Kabbaddi Tournament held at GEC Kushal Nagar on 02/12/2022. Total 10 Students were participated from various branches. They won first place in rest of Bangalore division and they won the first place in VTU State level held at APSCE Bangalore.





### >>> FOOTBALL TOURNAMENT

**PACE Mangalore** 

Students from Canara Engineering college were participated in Men football Tournament held at PACE Mangalore on 05/12/2022. Total 18 Students were participated from various branches. They won Third place in VTU Mangalore division.

## BADMINTON TOURNAMENT <<<

VCET, Puttur

Students from Canara Engineering college were participated in VTU Mangalore division men Badminton Tournament held at VCET Puttur on 17/12/2022. Total 12 Students were participated from various branches.















#### >>> GIRLS VOLLEYBALL TOURNAMENT

PES, Mandya

Students from Canara Engineering college were participated in Rest of Bangalore Division Girls Volleyball Tournament held at PES Mandya on 24/12/2022. Total 11 Students were participated from various branches. They won First place and Third place in State VTU State level.

## BALL BADMINTON TOURNAMENT

**~**<

RYMCE, Ballery

Students from Canara Engineering college were participated in ball badminton Tournament held at RYMCE Ballery on 26/12/2022. Total 10 Students were participated from various branches. They won Third place in VTU rest of Bangalore division and qualified to play VTU State level held at KIT Tiptur.



### >>> WOMEN THROWBALL TOURNAMENT

AJIT, Mangalore

Students from Canara Engineering college were participated in women throwball Tournament held at AJIT Mangalore on 14/4/2023. Total 11 Students were participated from various branches. VTU Mangalore division.

# **SPORTS DAY 2023**

Sports day 2023 in CEC Was held with more fanfare than usual. Both students and faculty participated in the innumerable events that stated on 17th March 2023 from 9.00 AM on the dot till 6 in the evening. Mr. Ranganath Bhat Hon. Secretary CHSA, Principal Dr. V Ganesh V Bhat and Dean SW Dr. Priya V Adrees the gathering and declare this sports day open.









Total 892 students and faculty were engaged in 22 events.

CANARA FOOTBALL LEAGUE (CFL SEASON- 03)

CFL Season 3 was held on 15th May 2023 in college campuses to support and inspire students to play football. The registration period is accessible to all CEC students.







Students who benefited from the tournaments competed in them and won prizes at the VTU level and in nearby colleges. Dean SW Dr. Priya V Frank, Mr. Manjunatha I R Sports Chief Coordinator ECE department, Mr. Vinay H S Assistant professor ECE department and Physical Director formally inaugurated this league. Total 68 Students were present in this league.



# CANARA BADMINTON LEAGUE (CBL SEASON 01)

CBL Season 1 was held on 19th May 2023 in college campus to support and inspire students to play badminton. The registration period is accessible to all CEC students. Students who benefited from this tournament competed in them and won prizes at the VTU level and in nearby colleges.







Dr Priya Frank Dean SW, Sports Chief Coordinator Mr. Manjunatha I R ECE Department and Physical Director Mr. Hareesh were present during formal Inauguration function. Total 15 Students were engaged in this League.

CANARA VOLLEYBALL LEAGUE (CVL SEASON 02)

CVL Season 02 was held on 19th May 2023 in college campuses to support and inspire students to play volleyball.





The registration period is accessible to all CEC students. Students who benefited from the tournaments competed in them and won prizes at the VTU level and in nearby colleges. Mr. Manjunatha I R Sports Chief Coordinator ECE department, Mr. Sujit S Pai Assistant professor ECE department and Mr. Hareesh Physical Director were present during formal Inauguration function. Total 74 students were participated in this league.

# CANARA CRICKET LEAGUE (CCL SEASON -06)

CCL Season 6 was held on college campuses to support and inspire students to play cricket. The registration period is accessible to all CEC students. Students who benefited from the tournaments competed in them and



won prizes at the VTU level and in nearby colleges. The sixth season of the Canara Cricket League got underway with a welcome from our chief guest, Mr. Ranganath Bhat Hon. Secretary CHSA, and a speech about sports motivation from the honorable chief Guest and principal. Dean SW Dr. Priya V Frank and various deans and faculties were shown their significance presence during formal Inauguration function. Total 182 students from 10 teams were engaged in this League.









# **INTERCLASS SPORTS EVENTS**

The sports department hosted interclass sporting events on June 3, 2023. All CEC students have access to the registration period. Cricket, volleyball, football, and badminton are the sports that have been held for the pupils. This event ran for 30 days to wrap up all of the events, and then the award ceremony was place. Principal Ganesh V Bhat, Dean SW Dr. Priya V Frank, Sports Chief Coordinator Mr. Manjunatha I R ECE department, Physical Director Mr. Hareesh and faculties from various branches were present during formal Inauguration function. Total 758 Students were participated in various games.





# **IIPC**(JULY 2022 – JUNE 2023)

#### FIELD VISIT TO ICAR CPCRI REGIONAL CENTRE AT VITTAL



The visit was arranged by the department of ECE in association with IEEE Student Branch in view of the fact that many projects focused on farming practices or farmers were undertaken with a lot of inputs from CPCRiVittal and CPCRI Kasargod Regional Centres.A total of 62 students from 4th semester from ECE dept guided by 4 faculty from ECE department comprising of Prof Ashwini V R, Prof Vinay HS and Prof Sreerama Samarth accompanied by Mr Ajith Shetty were welcomed by Dr. Elain Apshara S Acting Head, Regional Station Vittal and Dr. Nagaraja N.R Senior Scientist - Genetics and Plant Breeding described the set up at Vittal and ow it came to being. The various functions carried out at the regional centre and the departments and facilities available.

Dr. Madhu T. N. Scientist - Toxicology and Chemical ecology and Dr. R ThavaPrakasa Pandian - Scientist Fungal Pathology described the functioning of the entomology lab and the various projects undertaken here. Scientists Mrs. Bhavishya, Ms. Chaithra M and Mrs. Saneera E. K and Ms. Suchithra. M - Scientists dealing with Lab testing described various testing procedures and lifecycle of Cocoa plant to plate. The visit concluded with a debriefing reg the current DST and other research projects being undertaken and the research or thrust areas identified by ICAR.

#### FIELD VISIT TO STEP@ NITK

An Industrial visit was organised by the ECE Department, IIC - CEC and IEEE Student Branch CEC to the following: 1.K Tech Hub Mangalore Bejai 2. Science & Technology Entrepreneurs' Park -STEP at NITK and 3. Centre for System Design - CSD and Virtual Labs NITK. Students of 6th semester ECE along with Prof. Ashwini V R, Prof. Vinay HS, Prof Sreerama Samarth, Prof Vayusutha and Prof Pavithra H B, benefitted from the interactions. K Tech Hub Bejai houses CoWorking space and a Centre of Excellence for Micro machining and drilling as well as incubates 12 companies. Prof Arun Islur Director STEP NITK briefed students reg initiatives at NITK STEP for promoting entrepreneurship. CSD hosts research in 7 different domains in a collaborative manner, students were able to see the applications in immersive technologies, drones, virtual labs and EV development.



## ANDROID APP DEVELOPMENT



About 100 students benefited from the day-long workshop, where the background related to the evolution of Android development, the tech stack, and the software architecture were discussed first, and later on, layouts and activities for mobile and tablets were done hands-on.by the resource person Mr Nagesh Shenoy Senior Software Engineer at Robosoft India Pvt Ltd, our Alumnus from ECE Dept batch of 2013-2017. This workshop was organized by ECE Department, IIC Coordinator Mr. Vinay H. S IEEE Student Branch Councillor Ms. Ashwini V. R, class coordinators of 6th and 4th semesters, Mrs. Rajitha A. A., Mr. Sandeep Prabhu, Alumni Coordinator Mrs. Jayashree K and Ananth Krishna kamath, guided by Head of ECE Dept. Dr. Dayanand G. K.

## **PROJECT EXPO 2023**

Project exhibition - 2023 event was organized by Dept of ISE under IIC . The project Expo was Adjudicated by Mr.HareeshNeerumarga and Prof Ramesh Nayak . A Total of 14 batches participated in this event. Project titled University Results Extraction and Analysis Tool using Batch Processing won best project award while the project titled Sentiment Analysis Using Machine Learning was awarded the runner up position.



## AWARENESS SESSION ON INTERNSHIP OPPORTUNITIES FOR FIRST YEAR STUDENTS

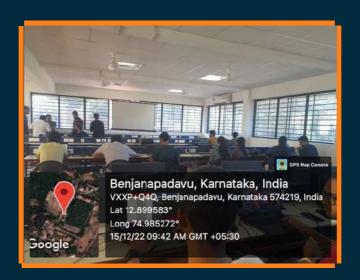
A talk on Internship opportunities was organized by IIC - CEC Chapter and IEEE Student Branch. The resource people Mr Santosh Matada and Mr from KomedKares a subsidiary of InUnity Pvt Ltd. The Session started with an introduction about the resource person by Ms. Ashwini Holla. Topics presented in the session were largely centered on what, why need and opportunities reg Internship. They proceeded to show why choosing Comedkares would be beneficial based on past projects and opportunities in Comedkares and how to improve Design thinking capabilities.





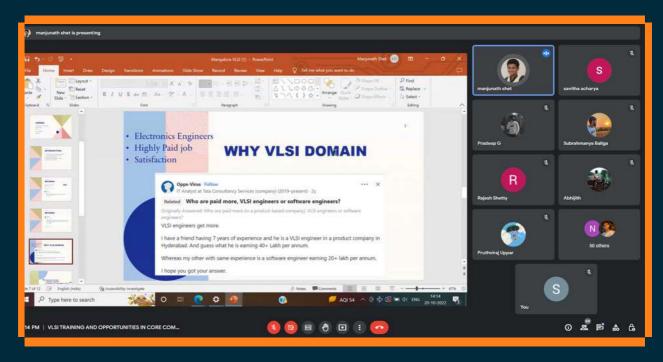
#### A WORKSHOP ON UNDERSTANDING ANALYTICS AND ROLE OF ML USING MICROSERVICES-III

Institute Innovation Council Chapterof Canara Engineering College, Mangalore in association with UniCourt India (Mangalore Infotech Pvt. Ltd.) organized a workshop on "Understanding Analytics and Role of ML using Microservices-III" on 15th December 2022. 25 students from final yearattended from ECE, CSE and ISE departments.



## Talk Onvisi Training And Opportunities in Core Domain

The talk was conducted on 20/10/2022, from 2:00 p.m. to 3:00 p.m for the target audience of second year and pre-final year students. Mr. Manjunath ShetProprietor Octawave Technologies, Mangalore and our Alumnus 2004-2008 from ECE Dept and Mr. Rajesh Shetty - Senior Engineer Octawave Technologies gave exposure reg the core domain jobs and motivated ECE students to get enrolled into their training programmes in order to get placed in core domain companies. He also explained the different courses like "Analog VLSI Design" and Design for Testability" in which training will be provided and also the discounts offered based on CGPA. Mr. Rajesh Shetty, gave information about DFT domain and job roles in this domain. Co-ordinators: Mrs. Savitha Acharya, Mrs. Rajitha, Mr. Sujit Pai.



## **ENHANCING THE LABORATORY SKILLS**

A 5 Day Staff Development Programme was organized by Department of Electronics and Communication Engineering and IIC, CEC to train Technical Staffs of ECE Department for New Labs under NEP policy like HDL, Basic Signal Processing Programming Lab, Analog Electronics Lab, Digital Electronics Lab and LD (Logic Design) Lab using Pspice / MultiSIM.. A total of 8 faculty benefited from this .



## A WORKSHOP ON UNDERSTANDING ANALYTICS AND ROLE OF ML USING MICROSERVICES-II

IIC Canara Engineering College, Mangalore Chapter in association with UniCourt India (Mangalore Infotech Pvt. Ltd.) organized a workshop on "Understanding Analytics and Role of ML using Microservices-II" on 26th September 2022 in which 49 students from final years attended from ECE, CSE and ISE departments.



# Social Outreach Program (SOP)

Number of extension and outreach Programmes conducted by the institution through SOP groups (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs during 2022–23.

# Swachh Bharath Abhiyan

The SOP team 20SOP06 has enthusiastically engaged in the Swachh Bharath Abhiyan programme at Veterinary Hospital Saibrakatte, Udupi from 07-10-2022 to 10-07-2022. The students assisted in cleaning the surroundings of the hospital where all waste medicine had been dumped. They also removed the bushes and plants that were aggravating the problem in the surroundings. Students participated in this project to assist the hospital's animals and staff to live in a cleaner and healthier environment.





# **Helping Local Schools and Colleges**

SOP team 20SOP03 comprising of 10 students from CSE department visited Sarakari Hiriya Prathamika Prouda Shale, Valencia, Mangaluru on 26-07-2022 to carryout activity which involve sharing knowledge about the personal hygiene to the children, conducted a session to introduce themselves in English, few fun games, storytelling, drawing, crafts. The students were able to establish the environment which really could explore their talent and have confidence to showcase it. The activity was conducted under the banner "Helping local schools and colleges".



# **Awareness on Pension Scheme**

20SOP16 team comprising of 10 students have conducted social outreach program in which they have visited "Our home for Senior Citizen", an old age home which is near Someshwara temple, Mangalore and gave awareness on pension



scheme for senior citizens and done this activity in association with Kannada Sahitya Parishat, State Government Initiative. The activity was carried out on 11-11-2022.

# **Blood Donation and Dental Treatment**

20SOP19 team comprising of 9 members have gone to Dakshina Karnataka Zilla Panchayat Higher Primary School, Neralakatte on 6-11-2022, to help the Blood Donation and Dental Treatment in the camp. This camp is organized in association with Red Cross Society Ladygoshan Hospital Mangalore Conducted



# **Digital Transaction and Fraud Awareness**

Nine students SOP team 19SOP10 of fourth year Computer Science and Engineering conducted an awareness programme on digital transaction and fraud awareness to the people of Benjanapadavu and Ammunje village from 28/1/2023 to 2/2/2023 as part of their social outreach programme. They met village people and given information on how to do digital transactions and explained different methods used by scammers to steal personal and financial information. They also provide awareness on overcome such scams.



#### **IEEE - Professional Society at CEC**

#### **ABOUT**

The Institute of Electrical and Electronics Engineers IEEE is a professional society with the highest membership in the world. IEEE student branch better known as IEEECan, was established in 2006 in CEC to actively organize/take part in various technical and leadership activities with an aim to instill a culture of professionalism in students. Women In Engineering (WIE) affinity group is used to organise outreach activities and activities promoting inclusion of diversity. A lot of care is taken to organise events to promote innovation, research mentality and delivering content about modern technologies in hands on manner by workshops field visits and by including competitions. IEEECan has thus far won many awards and students received a lot of scholarships and fellowships etc

#### **HACKATHONS:**

In a bid to encourage innovation, the societies hosted hackathons, including the SIH Internal hackathon, Hackathon during College Tech fests 2022 and 2023, IEEE Xtreme global Hackathon, Ideathon, Problem Scoping competitions and sessions on DSA to boost the problem solving skills of students bore fruit in students winning many awards in this category notably the Smart India Hackathon Challenge 2022

#### **PROJECT EXPO:**

The academic year started with Student Project Exhibition EXPRO-2022 eight Alumni well established in their professional career as Entrepreneurs, Software and Hardware Professionals comprised the jury evaluating 64 Projects from 2nd, 3rd and 4th year students of ECE dept. Students from Ten local Schools and Two PU Colleges nearby were invited and benefitted from this as well.

#### **WORKSHOPS:**

While workshop on android development, RESTful web applications, Data structures and algorithms were conducted, providing hands-on experience to students interested in mobile app development by our own alumni working in the same domain, Workshops by by CDAC faculty as Ms Divya – Additional Director CSPF CDAC, senior professionals from Intel Mr Deepak L and IDr UC Niranjan from Manipal Dot Net - ocal startup tried to bring the latest as regards to Supercomputing, VLSI industry trends and Microprocessor architectures etc to the students. Student led workshops for technology disseminations too are encouraged.



#### **INDUSTRIAL VISITS**

Field visits to Incubators and central research facilities were arranged to KTech Hub, Centre for System Design NITK, STEP NITK and Central Plantation Crop Research Institute (CPCRI) Regional Centre Vittala to promote entrepreneurship and orientation to research. Highlighlights of these visits were the lengthy interaction culminating in problem solving approach visible in the many miniprojects and research internships taken up by the students in the domains of immersive experiences, electric vehicles and embedded IoTs to automate farming practices.

Given below are the various activities conducted in the year













Student Project Exhibition EXPRO-2022	30-06-2022
Talk by Mr Deepak L on Preparing for a career in Digital System Design	21-09-2022
IEEE Day Technical Talk on Microprocessor Architectures	12-10-2022
IEEE Xtreme 16.0 – 24 hour Hackathon	22-10-2022
Quiz competition	15-12-2023
Talk with Demo on CDAC PARAM Utkarsh	23-12-2022
National Science Day Celebrations	26-02-2023
My Favourite Engineer an Essay Competition	07-01-2023
Best CV Competition	07-01-2023
My Favourite Lady from Science an Essay Competition	07-01-2023
Problem Scoping	11-03-2023
Photography Contest	11-03-2023
National Science Day Quiz with Library Science Dept	11-03-2023
IEEE Ideathon on SDGs	30-03-2023
Shark tank	01-04-2023
General Quiz	01-04-2023
Awareness session on Internship Opportunities	03-04-2023
A Talk on Astronomy and Astrophotography	24-05-2023
Industrial Visit to Incubators & Centre for Inter Disciplinary Research	26-05-2023
Workshop on DSAs	13-05-2023
Workshop on RESTful web applications	13-05-2023
Workshop on Android Application Development	10-06-2023
Field Visit to ICAR CPCRI Regional Centre Vittala	26-07-2023

#### Student Achievements and Participation

#### **HACKATHONS AND PROJECTS:**

- Winners in SIH Finale August 25 to 26 2022: Team Underwater Explorers from ECE dept won
  the Smart India Hackathon challenge 2022 for the problem defined by the National Institute Of Ocean
  Technology under the Ministry Of Earth Sciences in Underwater programming of microcontrollers,
  at Anand Institute of Higher Studies Chennai with a prize amount 1 Lakh INR. The students worked
  on the problem, Wireless programming of microcontrollers for underwater applications under low
  power constraints.
- Two teams from ECE Dept, won the first and second places in Hardware Power Electronics Hackathon ELECTRIKA organised by IEEE NITK student branch Questions revealed on Oct30 2022
- One team out of the ten that participated from ECE Department won 2nd Prize in IDEATHON Competition Held at SMVITM, Udupi on 10/12/2022.
- Out of the Eight teams from CEC ECE department that participated in the science mela team Nanhe Kaadam a tool to help dyslexic children won the 3rd prize and two runners up places as consolation, 27 Dec 2022.
- One team from ECE dept won the runner up place at the Hackathon on Smart roads, transport, and logistics at Industry Conclave at Manipal, 9th Sept 2022
- Team from CEC ECE won First Prize in project exhibition. Shaktisthavara on 24/05/2023at GSSSITW Mysuru for project CNC Based Engraver for PCB Prototyping
- Team from CEC won the 1st Prize in Hackotsava--2023 was a state-level 24-hour hackathon June 2nd to 3rd, 2023, at SMVITM Bantakal, for smart BeeHive with a cash prize of INR 25,000.



#### RECOGNITIONS AND CONFERENCE PARTICIPATION

- Bharat H M a student from final year ECE and Ms Shreya Gangolli were selected for the IEEE Bangalore Section Scholarship of INR 10,000 for year 2022 and 2023 respectively. Ten scholarships were announced for deserving candidates based on CGPA, family income, aptitide for volunteership, learning, spirit of IEEE and branch councillor recommendation.
- Shreya S Gangolli secretary Wiomen in Engineering AG of IEEECan from 6th semester ECE is nominated as the Student representative of Mangalore SubSection for the Student Activity Committee of IEEE Bangalore Section for the year 2023.
- Students Ms.Shreya S Gangolli, Mr.Suraj Hegde and Mr.Sarvesh J Nayak received fellowships along with alumnus Mr Akhilesh Kumar P, for participating in the IEEE International Conference on Women in Innovation, Technology and Entrepreneurship, ICWITE organised by WIE AG, Bangalore Section at IISc from 1st to 3rd December 2022.









# **ARTS CULTURAL & LITERARY COMMITTEE**

# A Summary Report for the Year 2022-23

- Departmental level Cultural Programmes are conducted to identify the best talents in students through various activities.
- Students are deputed to participate in various inter-collegiate competitions.
- An inter-collegiate cultural fest AAKRITI is conducted every year in the month of March/April. Students from various Institutions across the state participate in the FEST, which will be conducted for 3 days. The winners will be honored with certificates and prizes.
- Cultural day, Ayudha Pooja, International Yoga Day, College Day, Holi are celebrated in the campus, in collaboration with departmental cultural committees.

#### **AYUDHA POOJA**

Ayudha Pooja was organized on 22-10-202 under the cultural committee. The celebrations of the Ayudha Pooja were carried out at in all department which included Administration, Dept of CSE, Dept of ISE, Dept of ECE, Dept of Physics & Chemistry, College Buses, and Dept of Mechanical Engineering. A variety of Cultural events were organized which showcased the rich cultural heritage of the region. It included Navadurga Dance, Tiger Dance, Chende and Nasik Band performed by students. The procession of Goddess Sri Durgaparameshwari started at 11.00.A.M from the college Main entrance accompanied with Chende, Nashik Band, Pili Gobbu, Mahishamardhini Dance. The Pooja started at 1.00.P.M and prasada was distributed to all the members present.



Capturing the Spirit of Ayudha Pooja: Faculties, Staff, and Students Join in the Celebration







Enthralling Moments: 'Team PilliGobbu' Engages in Mangaluru Tiger Dance during Dasara Procession in the College Campus.



Picture Shows preparation of Sharadha Pooja at College Main Office



Capturing the Enchanting "Chandie" Musical Dance Performance during the Grand Dasara Procession in the College Campus.

#### KARNATAKA RAJYOTSAVA CELEBRATION

We Celebrated the 66th Karnataka Rajyotsava in our Campus on 01.11.2023. Mr. Saviraj Anandur, Writer, Mangaluru being Chief Guest conveyed greetings of kannada rajyotsava while addressing. He told about the importance of kannada language and its origin.



Musical dance performance during Karnataka Rajyostava in the college campus

#### REPUBLIC DAY CELEBRATION

The 74th Republic Day Celebration was held in our Campus on 26.01.2023. Dr. N. Satheesh Kumar being Chief Guest hoisted the National Flag. He conveyed greetings of republic day while addressing. He told about the importance of our Constitution, which gave Indians equal opportunities to have powers and positions. He stressed our role & responsibility towards the Nation.



Holi, the festival of colors, was joyfully celebrated on March 8, 2023, by over 250 enthusiastic students of our college. The event commenced at 3:00 PM on the college grounds and lasted for more than an hour, filled with fun, frolic, and vibrant colors.

The students participated in the event with great enthusiasm, spreading the joy of Holi by throwing and smearing colors on each other. The atmosphere was filled with laughter and cheers as the students indulged in the festive spirit of the occasion.



"Flag Hoisting Ceremony" at college campus



Students celebrate Holi in CEC campus.



Joyful Celebration of Colors by a Group of Students
Participation: 500

#### **ANNUAL DAY CELEBRATIONS AND AAKRITI 2023**

Aakriti 2023 a state level cultural fest and College Day celebrations at CEC began on 30th March 2023 with a function. A beautiful collaboration formal traditional costal flock and Classical dance performance by the students, depicting unity and diversity in Indian Cultural. The program was officially inaugurated with the lighting of lamp by the dignitaries on the dais Sri D Vasudev Kamath, President - CHSA and President of the function, Sri. M Ranganath Bhat, Hon Secretary - CHSA and Correspondent - CEC, Sri Dr. Raghavendra Holla Chief Guest, Dr Ganesh V Bhat, Principal - CEC and Cultural Coordinator for College Day and Aakriti 2023 - Mr. Naveen Kalal with CEC Student Representative. The gathering was welcomed by Mr. Vignesh Bhakta, E&C Student. The Principal addressed the gathering and presented the Annual Day report. The academic toppers and achievers in various domain of 2022-23, were felicitated by the dignitaries on the stage. Mr. Ashay Shetty proposed the vote of thanks.

Aakriti-2023 celebrated on March 31 to April 1st. Various cultural programs were performed by the students during annual day celebrations followed by Auto- Expo. The inter collegiate techno cultural fest continued the 2nd day and 3rd day with more than 1500 participants from various institutions across the state. Around 52 events including Cultural, Technical, Sports and Games, Literary events were conducted with the support of faculty and student coordinators. On the evening of Annual day college band Swaaragam was performed by Ms. Sanjana and her team it was followed by DJ Jammer. On the evening of day Two Mr. Abhinav Shekhar performed the musical event.

On the 3rd day evening DJ Ravator gave a wonderful performance. Audience from CEC and outside CEC witnessed this mega show. Being a state level fest, crowd over 1500 students representing from various colleges participated.in D for Dance, Mile Sur Humara, Code Quest, Pronites, DJ, Battle of Bands and Eat -O-Meter food fest were the key attractions of this fest for youths.

Student Participation: 1500



Dr. Raghavendra Holla N, Managing Director, Swastika National School the chief guest and Sri. D Vasudev Kamath President-CHSA inaugurated the College Annual Day and Aakriti 2023.



Students governing council members and Aakriti coordinators lighting the lamp.



Welcome Dance performance theme "Incredible India" by Team CEC during the inauguration program.



Mr. Abhinav Shekhar, the sensational singer, rapper, and composer from Bollywood takes the stage and performed during the pronite.

#### INTERNATIONAL YOGA DAY CELEBRATION:

The International Yoga Day 2023 was conducted on June 21, 2023.

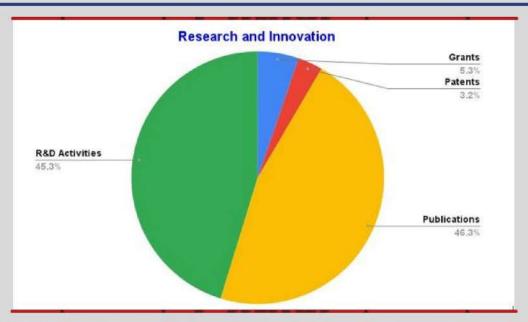


Capturing the Spirit of International Yoga Day: Staff and Students
Participate Following the Protocol.

#### RESEARCH, DEVELOPMENT AND INNOVATION

Overview: Grants, Patents, and Publications

1	Grants	5
2	Patents Grants/Publications	03
3	Publications (Books, Research Articles)	44
4	R&D Activities	43



#### **Grant Received - 22K**

- The department of CSE has received the 2000/- fund from the Karnataka State Council for Science and Technology (KSCST) IISc Bangalore for the innovative project titled "A system for agri-food supply chain traceability using blockchain technology" Developed by final-year students under the supervision of Mr. Janardhan Bhat
- The department of ISE has received the 3000/- fund from the Karnataka State Council for Science and Technology (KSCST) IISc Bangalore for the innovative project titled "ANGAYALLI AAROGYA - An App to Identify And Recommend Medicinal Values In Herbs" Developed by final-year students under the supervision of Mr. Sathish S. Nadiga
- The department of ECE has received 17000/- fund from Karnataka State Council for Science and Technology (KSCST) IISc Bangalore for the following innovative project Developed by final-year students under the supervision of Ms. Savitha Acharya, Mr. Sandeep Prabhu M, Ms. Akshatha G Baliga respectively.
  - 1. Multi-Control Electric Wheel Chair
  - 2. Smart wireless stethoscope
  - 3. Automated Rehabilitation Gloves

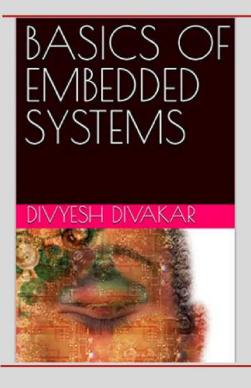
#### RESEARCH, DEVELOPMENT AND INNOVATION

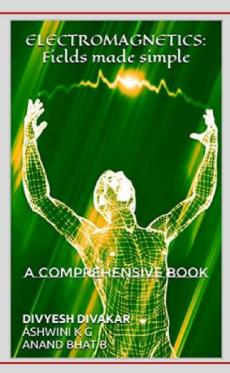
#### **Patents Grants/Publications**

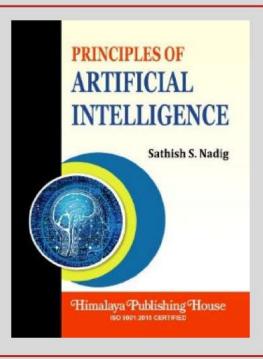
- Prof. Sandeep Prabhu M, Asst. Professor, the Department of ECE received Indian patent grants for the following innovations
  - \* IOT Based Smart Medical Refrigerator with Temperature Monitoring and Alerts for Pharmaceutical storage patent application number:6272121
  - \* Voice Recognition Control Device for Massage Chairs patent application number: 360728001
- Prof. Divesh Divakar, Asst. Professor, Department of ECE has published an Indian Patent for innovation on "Serpentine Topology for Energy Storage In Electric Vehicles", Patent No. 202341017831

#### **Books Publications**

- Prof. Divesh Divakar, Prof. Savitha Acharya, Asst. Professors, Department of ECE has published a Book "Basics of Embedded Systems" – Kindle Edition, ISBN:979-8351851556, Amazon Independent Publishers
- Prof. Divesh Divakar, Prof. Ashwini K. G, Prof. Anand Bhat, Asst. Professors, the Department of ECE has published a Book "ELECTROMAGNETICS: Fields made Simple: A Comprehensive Book Kindle Edition", ISBN:979-8359600422, Amazon Independent Publishers; 1st edition
- Prof. Sathish Nadiga, Asst. Professor, Department ISE has published a Book "Principles of artificial intelligence" 1st Edition, <u>978-93-5693-190-9</u>, 200 Pages, Himalaya Publishing House

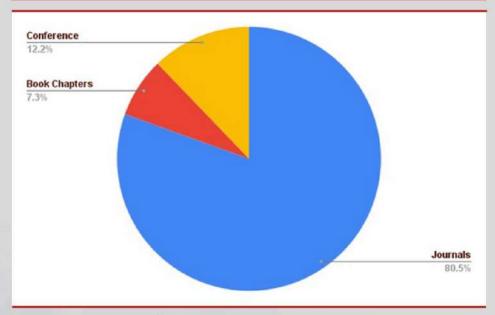






# RESEARCH ARTICLES (JOURNAL/BOOK CHAPTERS/CONFERENCE PROCEEDINGS)

Journals	33
Book Chapters	3
Conference Proceedings	5



## **Activities/Events**

- Ø A total of 19 skill enrichment workshops have been organized by all the departments for the respective students which helped them in enhancing their skills in the domain of engineering.
- Ø A total of 20 technical talks have been organized for the students to give awareness on the current and advanced technology.
- Ø One Skill Development Programme has been organized for the technical staff to upgrade their skill set.
- Ø The Project Exhpo-2023 event has been organized by all the departments to showcase innovative PoC concepts developed by the final-year students and help the juniors to identify the right projects which can be further enhanced.

# CENTRAL LIBRARY AND INFORMATION CENTRE

The Central Library covers 14,054 sq. ft. area on two floors and has a seating capacity of 300+. The Central Library facilitates the borrower card to the students, faculties and non-teaching staffs. Using this user can avail the specified no. of books for certain specific period. Reference section has the facilities such as Text Books, Reference Books, General Books, and Competitive Exam Books.

There are other facilities can be availed by college users. Those are, Open Access (Reference Section), Book Bank facility, SC/ST Book Bank, Digital Library (E-resources subscribed under VTU consortium), Plagiarism Checking Tool, Grammer Checking Tool, Periodicals and Magazines, CD/DVD ROM Facility, Display of New Arrivals, Question Paper, Reprographic, Bound Volumes, Standard, E-learning (NPTEL), NDL. The total books collection of the library exceeds more than 47373 volumes. Along with Central Library there are branch related books in all Department Libraries, the total books collection of the Department Library exceeds 3,100 volumes.

# EVENTS/PRESENTATIONS ORGANIZED BY CENTRAL LIBRARY AND INFORMATION CENTRE



User Awareness Program: NDLI Club Event "User Awareness Program on NDLI" was held on 31stDecember2022 at AC seminar hallfor all 1st year students. The event was organised by Library and Information Centre and NDLI Club Canara Engineering College.Resource person of the program was Dr. N Satheesha Kumar, HOD, Dept. of Science and Humanities. Total 350 students from various branches have been part of this program. At the end of the event there was a feedback link students uploaded provided, feedback in NDLI portal. Students could generate E-certificate once their feedback got approved from the reviewer.

NDLI Local Events: There were 6 competitions conducted on 7th January and 11th ofMarch 2023 as a part of NDLI local event activity. Events were organized by NDLI Club Canara Engineering College in association with IEEE Student Branch CEC, Coding Club, Gavel, Industry Connect Club, Fine Arts Club and MAPS of our college. Competitions were conducted via online and offlinemode. The total number of students participated are 123, 35, 51, 10, 79, 230in My Favourite Engineer an Essay Competition, Best CV Competition, My Favourite Lady from Science an Essay Competition, Problem Scoping, Photography Contest and Quiz on Science Day Respectively. One winner and two runners up are recognized in each event and are awarded.



**Posters of NDLI Club Event** 

At the end of the each event there was a feedback link provided, Students uploaded their feedback in NDLI portal. Students could generate E-certificate once their feedback got approved from the reviewer.

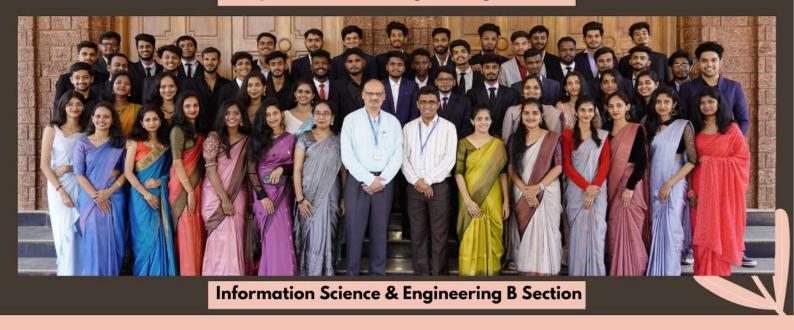
# Beyond the Campus: Final Year Faces in Alumni Places



Computer Science & Engineering A Section



Computer Science & Engineering B Section





**Electronics and Communication Engineering A Section** 



Electronics and Communication Engineering B Section



# Victories Remembered: Sports Achievers in Focus



**CEC Athletic Team** 



**CEC Badminton Team** 



**CEC Ball Badminton Team** 





**CEC Boys Volleyball Team** 



**CEC Chess Team** 



**CEC Cricket Team** 





**CEC Football Team** 



CEC Girls Volleyball Team



**COMPUTER SCIENCE & ENGINEERING 'A' SECTION** 



**COMPUTER SCIENCE & ENGINEERING 'B' SECTION** 





**ELECTRONICS & COMMUNICATION ENGINEERING 'A' SECTION** 



**ELECTRONICS & COMMUNICATION ENGINEERING 'B' SECTION** 





**INFORMATION SCIENCE & ENGINEERING** 



**MECHANICAL ENGINEERING** 



# **Department of Computer Science & Engineering**

# **Student Details**



ABHISHEK D DEVADIGA 4CB19CS001

ADITHYA PAI B 4CB19CS002





ADITI K A 4CB19CS003 AADITHYA S BHANDARY 4CB19CS004





AINISHA RODRIGUES 4CB19CS005 AISHWARYA P 4CB19CS006





AJAYKRISHNA M 4CB19CS007 AKARSH T 4CB19CS008





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AMOGH N BANARE 4CB19CS011

AMRUTHA A SHANBHAG 4CB19CS012





ANIKETH B R 4CB19CS013 ANIRUDDHA 4CB19CS014





ANKITA V NAIK 4CB19CS015 ANKITH T 4CB19CS016





ANMOL R KAMATH 4CB19CS017 ANVITHA K R 4CB19CS018





APEKSHA SHETTY 4CB19CS019

ASHLESHA P PAI 4CB19CS020





ASHWINI PAI 4CB19CS021 ATHMIK ASHOK HEGDE K 4CB19CS022





B ANJANA SHENOY 4CB19CS023 B APOORVA NAYAK 4CB19CS024





ASHWITHA NAYAK 4CB19CS025 BABITH 4CB19CS026





BHOOMIKA 4CB19CS027 ABHOOMIKA V NAIK 4CB19CS028





CHANDRAHAS PAI 4CB19CS029 CHARISHMA 4CB19CS030



#### **SRUSHTI**



CHETHAN KRISHNA 4CB19CS031 DAMODARA HEGDE K L 4CB19CS032





DHANASHREE BHAT 4CB19CS033

DHANUSH S A 4CB19CS034





DHRUVA D NAYAK 4CB19CS035 DISHA S SHENOY 4CB19CS036





DIYA 4CB19CS037 ELVIN MARCIAN DOMINIC DSOUZA 4CB19CS038





GAGAN NIRANJAN NAIK 4CB19CS039 GAUTHAM ALVA 4CB19CS040





G G ASHWIN PRABHU 4CB19CS041

HARSHITHA 4CB19CS042





HARSHITHA R ULLAL BAIL 4CB19CS043

ISMAIL IHTHISHAM 4CB19CS044





JATIN PANDIT 4CB19CS045 K KESHAVA BHAT 4CB19CS046





KARTHIK B 4CB19CS047 KARTHIK M K 4CB19CS048





KARTHIK M KASHYAP 4CB19CS049 KREETHAN DSOUZA 4CB19CS050





KRUTHIKA C S 4CB19CS051 LEKHANA B Y 4CB19CS052





M ANMOL KAMATH 4CB19CS053 M ANUSHKA BHAT 4CB19CS054





M PRAJWAL KINI 4CB19CS055 MAITHRI V HOLLA 4CB19CS056





MEGHNA 4CB19CS057 MELWIN NELSON PINTO 4CB19CS058





MUKUND P PAI 4CB19CS059 N PRATEEKA PAI 4CB19CS060





NANDISH SHENOY P H 4CB19CS061 NAYANA V GUNDU 4CB19CS062





NITHIN KUMAR U 4CB19CS063 DEEPA SHRIDHAR DESHBHANDARI 4CB20CS400





VYASARAY KAMATH 4CB19CS0119 P PADMAPRASAD SHENOY 4CB19CS064





PANCHAMI A PRABHU 4CB19CS065 POOJARY NISHA J 4CB19CS066





PRADNYA P NAIK 4CB19CS067 PRANAY B 4CB19CS068





PRANEETH S 4CB19CS069 PRATEEKSHA SHANBHOGUE 4CB19CS070





PRATHAM B KOTIAN 4CB19CS071 PREETHY RAY 4CB19CS072





PRERANA RAO 4CB19CS073 PRIYA NAYAK T 4CB19CS074





PUSHYA P 4CB19CS075 P V PARAMASHIVA KARANTH 4CB19CS076





RACHITHA R PAI 4CB19CS077 RAGHAVENDRA RAJAGOPAL KAMMAR 4CB19CS078





RAJATH KRISHNA PRABHU 4CB19CS079

RAKSHA B 4CB19CS080





RAKSHITA MALLYA 4CB19CS081 RANJITH V SHETTY 4CB19CS082





RASHMI R MALLYA 4CB19CS083 REEYON VITHESH PAIS 4CB19CS084





RITHIKA JAIN K 4CB19CS085 ROHAN S BHAT 4CB19CS086





S SREENIVASA SHENOY 4CB19CS087 SANDESH H D J 4CB19CS088





SANJAY S SUVARNA 4CB19CS092 SANJITH V SANIL 4CB19CS093





SAVITA SHET 4CB19CS094

SHALLANI DEVI 4CB19CS095





SHETTY RAMAKRISHNA MOHAN 4CB19CS096

SHIFALI J 4CB19CS097





SHRAVYA S SHETTY 4CB19CS098 SHREELAXMI
SHANMUKH GANGOLLI
4CB19CS099





SHREEMA 4CB19CS100 SHRUTHI P S 4CB19CS101





SHYAMANTH SHETTY 4CB19CS102

SOHAN S KAMATH 4CB19CS103





SUBRAHMANYA MAYYA 4CB19CS104 SUBRAMANYA A
SHET
4CB19CS105





SUHAS S KAMATH 4CB19CS106 SUPREETHA 4CB19CS107





SUPRIYA G MESTHA 4CB19CS108 SUPRIYA R HEBSUR 4CB19CS109





SWATHI 4CB19CS110 SWATI PURUSHOTTAM SAWANT 4CB19CS111





UDITH BEKAL 4CB19CS112 UNNATI GEETANAND KAMAT 4CB19CS113





VAIBHAV RAJENDRA NAYAK 4CB19CS114

VAISHNAVI 4CB19CS115





VANDANA 4CB19CS116 VARUN G POOJARY 4CB19CS117





VIBHASHREE 4CB19CS118

VIDISHA PRABHU B 4CB19CS119





VIGNESH 4CB19CS120 VIGNESH KAMATH M 4CB19CS121





VIJAYANANDA TIMMANNA HEGDE 4CB19CS122

VILAS 4CB19CS123





VINEETHA 4CB19CS124 VISHMITHA G 4CB19CS125





YOGEESHA BAYARI 4CB19CS126



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ANANYA U 4CB19IS004



ANUSH
KAMATH
4CB19IS006



ASHWINI PH 4CB19IS009



BINDU 4CB19IS011



CHETHAN KRISHNA S 4CB19IS013



DARSHAN PARAMESHWAR HEGDE 4CB19IS015



ADITHYA NAYAK 4CB19IS002



ANKITH PRABHU 4CB19IS005



ARPITHA SHETTY 4CB19IS007



BHOOMIKA B NAYAK 4CB19IS010



CHAITANYA KINI 4CB19IS012



CHINMAYA S 4CB19IS014



GAGAN B 4CB19IS016





HARSHA
PATEL
4CB19IS017



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KAVITA SATISH KAMATH 4CB19IS023



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KEDAR C PAI 4CB19IS024



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MOKSHA H S 4CB19IS030





NAKUL N SHET 4CB19IS031



NISHMITHA P 4CB19IS033



P D MEDHINI 4CB19IS035



POOJARY PRAJWAL RAGHURAM 4CB19IS038



PRADEEP 4CB19IS040



PRATHIKSHA V P 4CB19IS043



PRERANA B 4CB19IS045



NEHA S 4CB19IS032



OMPREETH D R



POOJA 4CB19IS037



POOJARY PRAVEEN NARAYANA 4CB19IS039



PRATHAM 4CB19IS042



PRATHVIK RAIKAR 4CB19IS044



ROHAN NAYAK K 4CB19IS047





S SHRADDHA 4CB19IS048



SHRIVATHSA 4CB19IS050



SOHAN S 4CB19IS052



SUJITH SHRIDHAR NAIK 4CB19IS054



SURAJ RAO 4CB19IS056



SURYANARAYA N BHAT 4CB19IS057



VEENAXI PAINGINKAR 4CB19IS059



SATHWIK A M 4CB19IS049



SINDHU S BADAL



SUDHIR HEGDE K 4CB19IS053



SUPRIYA . S 4CB19IS055



ADITHYA NAYAK 4CB19IS002



SUSHANTH DU 4CB19IS058



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**AGHAN JAIN** 4CB19EC002



**AMISHA** 4CB19EC003



**ANANYA A** 4CB19EC004



**ANUSH** 4CB19EC005



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**ASHISH V SHENOY** 4CB19EC008



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BHARATH H M 4CB19EC013



**CHAITHRA** 4CB19EC014



**CHETHANSHARMA B** 4CB19EC015



**DEEKSHA KG** 4CB19EC016



N DEVIPRASAD NAYAK 4CB19EC017



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**DHEERAJ SHENOY** 4CB19EC021



DISHA D 4CB19EC022



DISHA PAI 4CB19EC023



FATHIMA ZOHARA 4CB19EC024



GAGAN 4CB19EC025



HANUMANTHA 4CB19EC026



HARSHAVARDHAN 4CB19EC027



HARSHITA NAIK 4CB19EC028



HASIR 4CB19EC029



INDIRA RAMA DEVADIG 4CB19EC030



JAMAL AFRAZ 4CB19EC031



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MADHUSHREE N 4CB19EC039



MANVITH MP 4CB19EC040



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NAMITHA HEGDE 4CB19EC043



NAYANA R NAIK 4CB19EC044



NIKHIL NAYAK 4CB19EC046



NITEESH REVANKAR 4CB19ECO47



NITHIN K S 4CB19EC048



NIVEDITHA K 4CB19EC049



PAVANA 4CB19EC050



POORNIMA VINOD SHANBHAG 4CB19EC051



PRATHAM 4CB19EC053



PRATHAP M 4CB19EC054



PRATHEEKSHA V SHETTY 4CB19EC055



RACHANA AMBIG 4CB19EC057



RAVEENA NAIK 4CB19EC058



SACHIN KUMAR 4CB19EC059



SAIRAKSHA A S 4CB19EC060



SAJANI 4CB19EC061



SAKSHATH 4CB19EC062



SAMITH S U4CB19EC063



SAPALYA NISHANT SATISH 4CB19EC064



SAPNA M SHET 4CB19EC065



SARVESH JAYAPRASAD NAYAK 4CB19EC066



**SAVITHRI MARATI** 4CB19EC067



**SHARVARI S SHET** 4CB19EC068



SHASHANK A U 4CB19EC069



**SHIVANI** 4CB19EC070



**SHREEVATHSA T** 4CB19EC071



**SHREYA** 4CB19EC072



SHREYAS K R 4CB19EC073



SHREYAS NAYAK B 4CB19EC074



SIDDHARTH DEEPK SHETTI U4CB19EC075



SOORIYAPRAKASH M 4CB19EC076



**SOUMYA SHENOY K** 4CB19EC077



SOUMYA VINOD NAVELKAR SOURABH SUDESH MALSEKAR SUBRHAMANYA B S 4CB19EC078



4CB19EC079



4CB19EC080



**SUDARSHAN** 4CB19EC081



**SUJITH K** 4CB19EC082



**SWAROOP C K** 4CB19EC083



**SWASTHI PRASAD SHETTY** 4CB19EC085



**SWATI MOGER** 4CB19EC086



TARA KAMATH 4CB19EC087



THEJASWI K 4CB19EC088



VAISHNAVI 4CB19EC089



VARSHITHA 4CB19EC090



VARUN B M 4CB19EC091



VIGNESH M BHAKATHA 4CB19EC092



VIKAS M 4CB19EC093



VINUTHA K G 4CB19EC094



VISHAKHA BELCHADA 4CB19EC095



Y R PRASAD 4CB19EC096



YASHASWINI 4CB19EC097



YASHIKA R RAI 4CB19EC098



**ABHAY H KAMATH** 4CB19ME001



ADITYA BADAL 4CB19ME002



AMOGHA R.N 4CB19ME003



**ARJUN RAO** 4CB19ME004



**SHRIHARI BHAT** 4CB19ME006



CHARAN. J. SALIAN 4CB19ME007



CHETHAN KUMAR R 4CB19ME008



**DEEKSHITH SHETTY** 4CB19ME009



DHANRAJ KUMAR 4CB19ME010



**DHEERAJ SANDEEP NAIK** 4CB19ME011



JOSWIN DEON COELHO 4CB19ME012



KOWSHIK T C 4CB19ME013



KRITHIK KUMAR 4CB19ME014



4CB19ME015



M PRATHAM BHAT 4CB19ME016



**MAHAVEER BALLALA V.P** 4CB19ME017



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#### **Our Institutions**

Canara High School (1891)

Canara Girl's High School (1894)

Canara High School, Urwa (1944)

Canara Higher Primary School (1947)

Canara Nursery School (1968)

Canara English higher Primary School (1970)

Canara Pre Universuty College (1972)

Canara College (1973)

Canara Balawadi (1978)

Canara English Higher Primary School, Urwa (1989)

Canara Nursary School, Urwa (1991)

Canara Tenni's Academy (1997)

Canara Engineering College (2001)

Canara Montessori (2009)

Canara High School CBSE (2009)

Canara Evening College (2014)

CANARA ENGINEERING COLLEGE



ಕೆನರಾಇಂಜಿನೀಯರಿಂಗ್ ಕಾಲೇಜ

