



### DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEM

# Arohana

*The Rising*

Volume:1 Issue:1

### VISION

To be recognized as a centre of excellence in Computer Science and Business System producing a pool of engineers through advanced knowledge and innovation in analysis, computation and solution of real time problems of mankind.

### VISION

- To provide a learning environment endowed with competence and expertise in Computer Science and Business System education.
- To promote a culture of entrepreneurship and innovation among students by disseminating knowledge and best practices in the domain
- To create opportunities for all-round development of students through co-curricular activities and extra-curricular activities and foster lifelong learning.
- To impart value-based learning among students enriched with ethics to address the needs of society and industry.



**Mr. Vinay p**  
HOD, Dept of CSBS



**Mrs. Yojana Kirankumar**  
Asst. Professor &  
Chief Editor

# *Atrohana* *The Rising*

## 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.

## Student Members



**Mr.Himanshu**



**Ms.Shravya K**



**Ms.Sandhya**



**Ms. Diya Sanil**



**Mr.Sathwik Kotian**



## HOD'S Message

I am happy to note that the **Department of Computer Science and Business System** is releasing its Newsletter for AUG 22-FEB 23 enumerating the various activities and achievements of our faculty and students. The department endeavours to produce confident professionals tuned to real time working environment.

The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work in them. I sincerely thank all the faculty and staff members of the department and the students for their contributions to bring this newsletter to life.

**Mr. Vinay P**  
HOD, Dept of CSBS



## Editor's message

It is indeed a great honour to be the Newsletter Editor for '**AROHANA-The rising**' and it is an immense pleasure to launch this first edition for AUG 22-FEB 23 of the Computer Science and Business System Department. The name of the newsletter, "**AROHANA**" means "ascending order", a rising scale. This newsletter gives an insight into the students, staff their creativity, activities and achievements.

A huge thank you to all the persons who contributed in making of this newsletter, without which there wouldn't have been this newsletter issue. I would like to extend my sincere thanks to Management, Principal and our HOD for giving support and encouragement in this endeavour.

**Mrs. Yojana Kirankumar**  
Asst. Professor & Chief Editor

## Programme Educational Objectives(PEO)

1. Graduates will apply knowledge and skills of computer science and business systems to address challenges in various aspects of technology, business and society by solving real time problems.
2. Graduates will engage in lifelong learning by adapting to evolving industrial and societal needs.
3. Graduates will work efficiently and effectively exhibiting entrepreneurial skills, team spirit, leadership and ethical qualities.

## Programme Outcomes(PO)

### Engineering graduates in Computer Science and Business System will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods, including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Select/Create and apply appropriate techniques, resources and modern engineering and IT tools, including prediction and modelling to complex engineering activities, taking comprehensive cognizance of their limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the relevant scientific and/or engineering practices.
9. Individual and team work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with the society-at-large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work as a member and leader in a team to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for and above have the preparation and ability to engage in independent and life-long learning in the broadcast context of technological changes.

## Programme Specific Outcomes (PSO)

1. To engage in entrepreneurial activities and provide solutions to problems of society via IT.
2. Apply concepts of business intelligence and data analytics to design and develop business [1] processes and strategies.

## Student Achievements

### Technical and Cultural Achievements

USN	Name of the Student	Achievements
4CB21CB002	Abhishek A B	1. Participated in the Freshers Eve Competition and won 1st place as the best class during Aakriti 2022.
4CB21CB007	B Sandeep S Kamath	1. The general Champions of “Freshers Day” Event Held on 26/05/2022 at CEC Mangalore. 2. Participated in Essay competition on 7th January 2023 organised by NDLI club of Canara engineering college 3. Participated in Book review competition on 23 <sup>rd</sup> April 2022 organised by NDLI club of camara engineering college.
4CB21CB011	Chirashree L K	1. Participated in the Freshers Eve Competition and won 1 <sup>st</sup> place as the best class during Aakriti 2022.
4CB21CB012	Darshan	1. Participated in the Freshers Eve Competition and won 1st place as the best class during Aakriti 2022.
4CB21CB013	Deeksha	1. Participated and won first prize in seminar competition conducted by NDLI. 2. Participated in Mr and Ms fresher competition during Aakriti 2022 3. Participated in Debate competition conducted by Gavels club ,CEC 4. Participated in technical paper presentation held during Aakriti -2022 By CEC on 26 th to 28 th May 2022.
4CB21CB014	Dhanraj Narayan Gowda	1. Participated in the Freshers Eve Competition and won 1 <sup>st</sup> place as the best class during Aakriti 2022.
4CB21CB016	Diya D Sanil	1. Participated in the speech competition held by ICT Academy Youth Talk Day on 14/11/22 at Canara Engineering College. 2. Participated in the Freshers Eve Competition and won 1 <sup>st</sup> place as the best class during Aakriti 2022. 3. Participated in in Seminar competition conducted by NDLI. 4. Participated in ZONE CONFERENCE of JCI India. 5. Participated in MIDCON of JCI India.
4CB21CB017	Ganesh DevarajNaik	1. The general Champions of “Freshers Day” Event Held on 26/05/2022 at CEC Mangalore

## Student Achievements

### Technical and Cultural Achievements.

4CB21CB018	Gowda Sandhya Kanthappa	<ol style="list-style-type: none"> <li>1. Participated in aakriti 2022 an inter college national level fest under the category solo dance, treasure hunt and tug of war</li> <li>2. Participated in fresher's eve party and won the 1st place as best class during aakriti 2022.</li> <li>3. Participated in story telling, film screening ,seminar competition held by NDLI club.</li> <li>4. Participated in Mother's Love Photography Competition held by the women Welfare and sexual harrasment eradication cell of CEC, in association with Student Welfare department and was chosen as winner.</li> </ol>
4CB21CB019	Himanshu	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB022	Likith G C	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB023	Manohara	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB024	Mohammed Hashim Ali	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> <li>2. Participated in Labyrinth (Treasure Hunt) during Aakriti 2022.</li> </ol>
4CB21CB027	Nidhishree Mohan Shet	<ol style="list-style-type: none"> <li>1. The general Champions of "Freshers Day" Event Held on 26/05/2022 at CEC Mangalore.</li> <li>2. Participated in the "Mann KiBaat" held By Gavel Club.</li> </ol>
4CB21CB028	Nikhil NPai	<ol style="list-style-type: none"> <li>1. The general Champions of "Freshers Day" Event Held on 26/05/2022 at CEC Mangalore.</li> </ol>
4CB21CB032	Pragathi	<ol style="list-style-type: none"> <li>1. Participation certification of excellence, for CSBS branch, For being the general champions of THE FRESHER'S DAY event on 26th may 2022.</li> </ol>
4CB21CB034	Prasidh B N	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB035	Prathiksha D	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB037	Prerana R	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>

## Student Achievements

### Technical and Cultural Achievements

4CB21CB038	Priyanka Bharadwaj	<ol style="list-style-type: none"> <li>1. Participated in Group Discussion held on 19/11/2022 organised by Gavel Club and won 1st runner -up.</li> <li>2. Participated in Air -crash held on 11/02/2023 organised by Gavel Club and won 1st runner - up.</li> <li>3. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB039	Rajath Rajesh Bhandari	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB040	Rakshitha A Bhakta	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1st place as the best class during Aakriti 2022.</li> </ol>
4CB21CB041	Rashika	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB044	Rutu Nagappa Naik	<ol style="list-style-type: none"> <li>1. Participated in Tech hunt organised on 14/6/22 by Srinivas Institute of technology.</li> </ol>
4CB21CB048	Sanjay S Poojary	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1st place as the best class during Aakriti 2022.</li> </ol>
4CB21CB050	Sathwik Kotian	<ol style="list-style-type: none"> <li>1. Participated in Niveus Solutions Pvt Ltd quiz contest and received 4th place.</li> <li>2. Participated in Essay competition on 7th January 2023 organised by NDLI club of Canara engineering college</li> <li>3. Participated in Technical Quiz competition on April 23,2022 organised by NDLI club of Canara engineering college</li> <li>4. Participated in Book Review competition on April 23.2022 organised by NDLI club of Canara engineering college</li> <li>5. Participated in LABYRINTH event during Aakriti -2022</li> </ol>
4CB21CB051	Shravya K	<ol style="list-style-type: none"> <li>1. Participated in the speech competition held by ICT Academy Youth Talk Day on 14/11/22 at Canara Engineering College.</li> <li>2. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>

## Student Achievements

### Technical and Cultural Achievements.

4CB21CB052	Shravya R	<ol style="list-style-type: none"> <li>1. Participated as the “AajaNachle(Solo dance)”held during Aakriti -2022 by CEC Benjanapadavu on 26th to 28<sup>th</sup> May 2022.</li> <li>2. Participated as the “Dumb ShallAct( Dumb charades)” held during Aakriti -2022 By CEC Mangalore. on 26 th to 28 th May2022.</li> <li>3. Participated in the “Mann KiBaat ” held by Gavel ClubCEC, Mangalore.</li> <li>4. Participated as the “General Champions” held during Aakriti -2022 by CEC Mangalore.</li> </ol>
4CB21CB054	Suraksha P Shetty	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> </ol>
4CB21CB055	Swedel Lawrence D Souza	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1<sup>st</sup> place as the best class during Aakriti 2022.</li> <li>2. Participated in the activity to develop soft skills held by Skill Academy on 22/1/22.</li> </ol>
4CB21CB058	Varsha	<ol style="list-style-type: none"> <li>1. Participated in the Freshers Eve Competition and won 1st place as the best class during Aakriti 2022.</li> </ol>
4CB21CB060	Varun Shetty	<ol style="list-style-type: none"> <li>1. The general Champions of “Freshers Day” Event Held on 26/05/2022 at CEC Mangalore.</li> </ol>

## Sports Achievements

USN	Name of the Student	Activity
4CB21CB014	<b>Dhanraj Narayan Gowda</b>	<ol style="list-style-type: none"> <li>1. Secured second place in <b>CCL season 5</b> held at CEC ground.</li> </ol>
4CB21CB017	<b>Ganesh DevarajNaik</b>	<ol style="list-style-type: none"> <li>1. Runner up in “<b>canara football league</b>” held in 17/06/2022.</li> <li>2. Winners of football tournament conduct on the occasion of <b>Ayudha Puja</b> 2022.</li> <li>3. Second runners in VTU Football tournament Manglore division 2022.</li> </ol>
4CB21CB022	<b>Likith G C</b>	<ol style="list-style-type: none"> <li>1. Secured second place in <b>CCL season 5</b> held at CEC ground.</li> </ol>



## Sports Achievements

4CB21CB044	Rutu Nagappa Naik	<ol style="list-style-type: none"><li>1. Secured First Place in “<b>Women’s Kabaddi</b>” Inter Collegiate Rest of Bangalore Division Tournament Held at GEC Kushalnagara from 28/11/2022 to 29/11/2022.</li><li>2. Has Secured First Place in “<b>VTUKabaddi</b>” Inter Zone Rest Tournament Held at A.P.S College of Engineering from 02/12/2022 to 03/12/2022.</li><li>3. Participated in Tech hunt organised on 14/6/22 by Srinivas Institute of technology.</li><li>4. Secured 3rd place in women's kabaddi in ug inter college tournament held on 20/01/2023 by manel Srinivas Nayak Institute of management, Mangalore.</li></ol>
4CB21CB034	Prasidh B N	<ol style="list-style-type: none"><li>1. Secured second place in <b>CCL season 5</b> held at CEC ground</li></ol>
4CB21CB054	Suraksha P Shetty	<ol style="list-style-type: none"><li>1. Participated <b>state level volleyball</b> match and won second runner up.</li><li>2. Participated Bangalore rest <b>VTU</b> match and won 1st place.</li><li>3. Participated in chess competition held during <b>aakriti-2022</b></li></ol>

## CSBS Department Event Details

### Computer Science & Business System 3rd Semester



*Computer Science and Business System branch entry program*

**Mr. Vinay P**, Head of the department of Computer Science and Business System addressed the second-year students on the Branch Entry Program 2022-2023

Computer Science and Business System branch entry program was conducted by department cultural committee on 24th November 2022. Mrs. Pooja Kini, faculty at department of Computer Science and Business System welcomed the second-year students. Invocation was done by Ms. Varsha from second year.

Mr. Vinay P, Head of the department of Computer Science and Business System addressed the second-year students and spoke about the uniqueness and advantages of Computer Science and Business System specialization in current IT industry.

Mr. Himanshu and Ms. Priyanka Bharadwaj from second year expressed their aspirations for the next three years in the department. Mrs. Aishwarya K, faculty at department of Computer Science and Business System proposed the vote of thanks. The function concluded with best wishes from faculty members to the new batch.

## CSBS Department Event Details

### Python Bootcamp



*A Python Bootcamp conducted by Mr. Adithya Pai B.*

A Python Bootcamp was conducted by Mr. Adithya Pai B, technical chairperson for the Computer Science and Business System Branch on December 31, 2022.

Over 60 students participated in the event and got an overview of the Python Programming language and learnt the basics of the language. They solved a few python programming problems and also solved a leetcode problem.

The students were enthusiastic, cheerful and very responsive.

### Sexual Harassment Awareness



*A session on sexual harassment organized by the Internal Complaint and Women Welfare Committee*

A session on sexual harassment was organized by the Internal Complaint and Women Welfare Committee on January 7th 2023 the resource person for the event was Smt.Kavitha Murugesh, Advocate and Notary, Asst. Professor SDMCBM, Mangalore. The session was very interactive and helpful in creating awareness among students about sexual harassment.

## CSBS Department Event Details

### An Awareness Session on Best Usage of VTU E-Resources



*An Awareness Session on Best Usage of VTU E-Resources” by Mrs. Supriya A V.*

“An Awareness Session on Best Usage of VTU E-Resources” was conducted by The Department of Central Library and Information Center for the second-year students of AIML and CS&D on 30/11/2022 and for CSBS students on 02/12/2022.

Mrs. Supriya AV, Assistant Professor, Department of AIML, spoke about the facilities available at the college central library, benefits of VTU e-resource usage during research, paper publication and project report preparation. The students were shown a demonstration of a remote access solution that is specifically designed for effective access of various e-journals, e-books, Turnitin Online Plagiarism Check Tool and Lanquill Grammar Tool.

### Role of AI in Business



A seminar and interactive session on '**Role of AI in Business**' by Dr. Radhakrishna Rao organized by Dept of Computer Science and Business systems was held on February 3, 2023. Dr. Radhakrishna Rao delivered an impressive presentation highlighting current AI trends in industry with a case study on 'Smart Kitchen'.

Dean of Academics, Dr. Demian Anthony D'Mello coordinated the event. Mr. Pahaas Amin, faculty at department of Computer Science and Business System introduced the guests. Faculty and technical staff of CEC interacted with the expert for about half an hour.

*Interactive session on 'Role of AI in Business' by Dr. Radhakrishna Rao*

## Staff Achievements

### FDP's Attended

- **Mr. Vinay P** participated in a 5-day online FDP on DataScience'22- contemporary Tools and Techniques, conducted by Dept. of Information science and Engineering, Nitte Meenakshi Institute of Technology, Bengaluru, India.
- **Mrs. Aishwarya K** participated in a 2-day online FDP by PHN Technology, Pune.
- **Mrs Yojana KiranKumar** participated in a 2-day online FDP by PHN Technology, Pune.

### Workshops Conducted



*Data structure, Java & ADE*

**Mr. Vinay P** was the resource person for the staff development workshop on "Data structure, Java & ADE" organized by the department of Computer Science and Engineering from 19th to 23rd September 2022

### Entrepreneurship Awareness



**Mr. Prahaas Amin** was invited to deliver a talk at the Entrepreneurship Awareness Program organized by Departed of Electronics and Communication Engineering, in Association with Entrepreneurship Development Cell and Institution's Innovation Council at NMAMIT, Nitte. A talk on Generation of Business Ideas was presented. Students of 4th Year B.E. (E&C) and faculty were part of the Audience. As an alumnus of NMAMIT, interacted with the current generation of students.

## Staff Achievements

### Online courses

Mr. **Vinay P** completed NPTEL online certification course on Operating System Fundamentals on Swayam Portal.

### Cultural Achievements



Team of CEC participated in the cultural Competition “**CANSIRI**” held in Mangaluru on account of Golden Jubilee Celebrations of Canara college and bagged first place in SKIT and Runner up in overall championship. Mrs **Aishwarya K** and Mrs **Yojana Kirankumar** had participated in the event.

Mrs **Yojana Kirankumar** won second place in solo dance in the cultural Competition “CANSIRI” held in Mangaluru on account of Golden Jubilee Celebrations of Canara college

