



## **SURANA COLLEGE-Autonomous**

Affiliated to Bangalore University

Recognised under 2(f) and 12 B of UGC, Certified by ISO, Re-accredited by NAAC with A+

No. 16, South End Road, Bengaluru-560 004

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### **REPORT ON BRIDGE COURSE**

<b>Title of the Event</b>	Bridge course for I Sem BCA Students
<b>Date</b>	26 <sup>th</sup> July to 31 <sup>st</sup> July 2024 (4 days)
<b>Venue</b>	Respective classrooms and Computer science lab
<b>Organized by</b>	Department of Computer Science
<b>Resource Person</b>	BCA Faculty members
<b>Target Audience</b>	I Sem BCA Students ('A' section – 60, 'B' Section – 60)
<b>Report Prepared by</b>	Madhushree B S, Assistant Professor Revathi S, Assistant Professor Department of Computer Science

The Department of Computer Science organized a 4-day bridge course for the 1st semester BCA students from **26th July 2024 to 31st July 2024**. The objective of this course was to provide a foundation in basic computer science concepts and to help students transition smoothly into the BCA program. The course was carefully crafted to cater students from various combinations, especially from non-computer science backgrounds.

#### **Day 1: Orientation and Introductory Classes**

The Head of the Department (HOD) Prof Vidya.A welcomed all the students and provided an overview of the BCA program. The session included discussions on the curriculum, the importance of computer applications in various industries, and the career opportunities available to BCA graduates. During the session introduction to the department IT Club – ESOTERIC was also done along with the importance of social media platforms like LinkedIn and GitHub to upskill students.

Next the Class teachers conducted a session to individual sections to familiarize the students with the class schedule, rules, and regulations of department. Emphasis was placed on the importance of attendance, active participation, and continuous assessment.

With this, orientation from department of Mathematics, English and Language was conducted to introduce students to the fundamentals of each subject.

#### **Days 2, 3, and 4: Basics of Computer Science**

Next three days the sessions provided a comprehensive introduction to the field of computer science. Key topics included:



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- **History of Computers:** Evolution of computers from early mechanical devices to modern digital systems along with introduction to number system.
- **Computer Hardware and Software:** Overview of the main components of a computer system, including the CPU, memory, storage devices, and input/output devices and software concepts.
- **Operating Systems:** Introduction to operating systems, their functions, and examples of popular operating systems like Windows, Linux, and macOS.
- **Programming Fundamentals:** Basic concepts of programming, including algorithms, flowcharts, and introductory programming using a simple language like Python or C.
- **Microsoft Office Tools:** Basics of Microsoft Word, Excel and PowerPoint was introduced practically.

At the end of bridge course an online test was conducted using google form.

**Rationale:** Many students joined the BCA program from non-CS backgrounds, necessitating a bridge course to ensure a smooth transition. This course aimed to equip students with essential knowledge and skills to succeed in their academic journey.

**Outcome:** The 4-day bridge course was successful in equipping students with the foundational knowledge required for the BCA program. The sessions were interactive, with practical examples and hands-on activities that helped students grasp the concepts better. Feedback from the students indicated that the course was beneficial, particularly for those from non-computer science backgrounds. Students gained a solid understanding of computer science fundamentals, preparing them for their upcoming semesters.



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### Enclosures:

### Bridge Course Timetable:



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I Sem BCA - Bridge Course Timetable - 2024-25

Date	Day	9:45 - 10:45		10:45 - 11:45		11:45 - 12:45		1:30-2:30		2:30-3:30	
		A	B	A	B	A	B	A	B	A	B
26/7/2024	Friday	Department Orientation Vidya A		Class Orientation Madhusree B S	Class Orientation Revathi S	Language	Language	English	Maths	Maths	
29/7/2024	Monday	Maths	English	Language	Language	I/O devices Asha H	Introduction to Computer Revathi S	Motherboard Number system Spoorthi K S	I/O devices Asha H	English	Motherboard Number system Spoorthi K S
30/7/2024	Tuesday	MS Office Madhusree B S	Language	MS Office Madhusree B S	Introduction to OS Shravani B	Categories of OS Open Source Geetha A M	Maths	Introduction to OS Shravani B	Categories of OS Open Source Geetha A M	Language	English
31/7/2024	Wednesday	Introduction to Computer Revathi S	Software concepts Ashwini S Divakar	Software concepts Ashwini S Divakar	English	English	Maths	Maths	MS Office Madhusree B S		MS Office Madhusree B S

Class Coordinators

Madhusree B S, Asst. Prof.

Revathi S, Asst. Prof.

Program Coordinator

Mrs Vidya A

HOD, Department of Computer  
Science

Principal

Dr. Veena K N

Principal

### Geotagged Photos





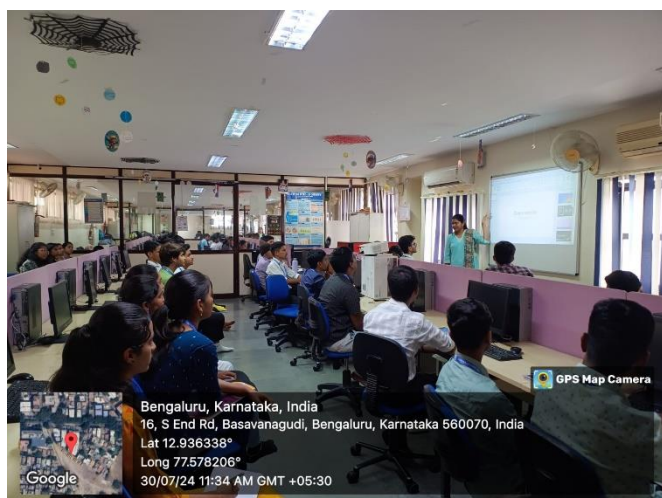


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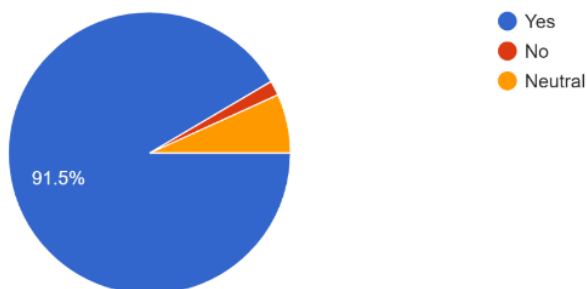
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### **Feedback analysis**

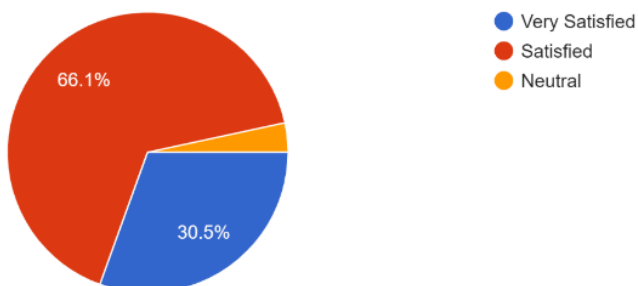
Was the bridge course beneficial to you?

59 responses



How satisfied are you with the bridge course overall?

59 responses



### **Action points on feedback taken**

**How effective were the practical session?**

- From the feedback collected, less rating is given to the above question. Hence more hands-on sessions will be planned for next academic year.

#### **Faculty coordinators**

Madhushree B S, Asst Prof

Revathi S, Asst Prof

#### **HOD**

Vidya A

#### **Principal**

Dr. Veena K N