



RAMAIAH
College of Arts, Science &
Commerce

M S Ramaiah College of Arts, Science and Commerce

Re-accredited 'A' by NAAC. Permanently Affiliated to Bangalore Central University.
Approved by Government of Karnataka. Approved by AICTE, New Delhi.
Recognized by UGC under 2F & 12B of UGC act 1956

Department of Computer Science

BCA Time Table for Bridge Course – November 2021

Date	10.25 - 11.20	11.30 – 12.25	12.25 – 1.20
8/11/2021	Inauguration		
9/11/2021	NEP Orientation (PVK)	NEP Orientation (PVK)	NEP Orientation Language (SL)
10/11/2021	Computer Overview (SU)	English	Evolution of Programming Languages (SV)
11/11/2021	Operating System (SK)	Applications of Artificial Intelligence(SU)	Computer Security(DV)
12/11/2021	Maths	Wireless Technology (LP)	IOT (SN)
13/11/2021	Web Technology(SV)	Personality development(HP)	Latest Technology (PVK)

K. S. Ramaiah
HOD

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M S Ramaiah College of Arts, Science and Commerce

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DEPARTMENT OF COMPUTER SCIENCE

Bridge Course Report of NOV 2021

The bridge course is a preparation course with an insight into the program that is offered to the students as a means of preparing themselves for the course for which they have taken the admission

The main objective of this program was

1. To introduce the students to the field of computer science.
2. To give a superior progress stage to set the students up before the beginning of the semester.
3. To help the students to overcome the barriers between subjects they learned at the pre-University level and subjects they could study at university level.

With the objectives of the bridge course, the bridge course was conducted for the students of I year BCA from 09/11/2021 to 13/11/2021. During this period of five days the students were given basic training on the subjects included in the first semester of their university studies.

The bridge course was divided into two sessions. During the first session of the first day the students got the basic knowledge about the course structure and the introduction to the BCA course. This session was conducted by the HOD, Department of Computer Science where the students got the briefing about the subjects they were going to learn and the additional knowledge they should acquire in order to compete with the industrial requirements. Along with the course structure they also came to know about the internal marks distribution, Rules and regulations of the course and the department activities, placement and the minimum requirements for the placement and the future scope.

After the briefing of the course structure the session continued with the students getting the briefing about the Latest technologies where the students were exposed to the various operating systems, evolution and the vital roles of the Operating System. Then the students were made aware about the programming techniques. Then the students were made aware about the computer security and why the security for the computers was needed. At the end of the first day the students were exposed to the basics of the linear equations and analytical geometry.

Students were made aware about the concept of Object Oriented programming, computer organization, permutation combination.

On the second day The students were made aware of the importance of Operating System, and their applications. Students learnt different types of Operating System and their services, How was explained and Learnt various functionality and features of operating system. They had the potential to understand the basic concept of operating system aspects with real time example.

The second session started with the overview of computer science where the students were made aware about the different fields in computer science. A wireless device is equipped with a wireless interface card (WIC), which the device uses to communicate over RF with WAPs.

Wireless can be the following items, among other things:

- User workstations and laptops
- PDAs
- Wireless IP phones

followed by the various wireless technology where the students were trained about the communication technology etc.

The third day started with the overview of computer science where the students were made aware about the different fields in computer science. A wireless device is equipped with a wireless interface card (WIC), which the device uses to communicate over RF with WAPs.

Wireless can be the following items, among other things:

- User workstations and laptops
- PDAs
- Wireless IP phones

followed by the various wireless technology where the students were trained about the communication technology etc.

In the second session Student were given an introduction on IoT, basic foundation and its applications - The Internet of Things (IoT) provides advanced data collection, connectivity, and analysis of information collected by computers everywhere—taking the concepts of Machine-to-Machine communication farther than ever before. Various real time projects of IoT were discussed. Students were able to definition and significance of the Internet of Things. Students were able to identify how IoT differs from traditional data collection systems. Different business opportunities that IoT can uncover were made aware to students with respect to their future career.

On the fourth day Students were briefed about AI and its application to various fields. It cleared the concept of computational and conventional categories where it It includes various advanced systems such as Neural Network, Fuzzy Systems and Evolutionary computation. How AI is used in typical problems such as Pattern recognition, Natural language processing and more were also discussed, how the system works throughout the world as an artificial brain was explained

Awareness of current emerging technologies such as Smart phone, Machine learning, Artificial Intelligence, Cloud computing, Alternative to MS Office, Social Media, Communication and collaboration, Presentation and Personal Effectiveness. The four most common Smartphone platforms for business are android, apple, blackberry and windows phone. Popular alternatives include Openoffice, Google docs, Libreoffice and Zoho. Common social media sites used by

Organisations are Face book, Twitter, LinkedIn and Google+. Popular developments include the use of instant messaging services, including Google Talk and Microsoft Messenger

On the last Students were taught about web technologies. They were introduced to develop a small web page and how to write an html program? They learnt the basic tags used in HTML. They also learnt to include list, tables, forms in an html document. Explained to insert images with tag and learnt the different attributes of tag. Made the students to write a small web page to display the list of items.

This bridge course helped in reducing the gap between the pre-university and university level studies and was useful for the students to get the knowledge in their subjects and also to know the college rules and regulations.

