Mahajana Education Society (R)
SBRR Mahajana First Grade College (Autonomous)
Affiliated to University of Mysore
Re-Accredited by NAAC with 'A' Grade, College with Potential for Excellence
Post Graduate Wing
Pooja Bhagavat Memorial Mahajana Education Centre
K R S Road, Metagalli, Mysuru – 570 016.

Date: 2/1/2025 to 7/1/2025

Title of the Event and name of the venue:

Title: Bridge Course for I year MCA students

Venue: MCA 01 Class room

Details of the department organizing the event in collaboration with institution:

The Department of Studies in Computer Science of S.B.R.R Mahajana First Grade College (A), P.G Wing organized 30 hours bridge course for the students of first year MCA.

Purpose and Scope of the event:

The Objective of the course is to get the students equipped with the fundamental concepts of computer science. This course will help the students to develop the necessary programming skills. By the end of the course, students will be able to write, analyze, and debug simple C programs independently.

Details of the event:

The Department of Studies in Computer Science of S.B.R.R Mahajana First Grade College (A), P.G Wing, organized the bridge course for 30 hours in Computer Organization, C programming and Data Structures from 2/1/2025 to 7/1/2025.

The importance of organizing the bridge course was emphasized to the first semester MCA students by the faculty members.

A bridge course plays a vital role for first-semester MCA (Master of Computer Applications) students, especially those coming from diverse academic backgrounds. It serves as a foundational program designed to fill knowledge gaps and ease the transition into core computer science subjects. This preparatory step not only enhances their understanding of advanced subjects but also improves their ability to cope with the rigorous MCA curriculum, setting a strong academic foundation for success in the program.

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Emphasis was given on the programming skills as they are crucial for first-semester MCA students as they lay the groundwork for success in more advanced computer science subjects. A solid understanding of programming fundamentals, including concepts like algorithms, data structures, is essential for tackling complex topics later in the curriculum. The bridge course provides students with the opportunity to learn and practice these foundational skills, ensuring that they are equipped to handle programming assignments, projects, and exams with confidence. By strengthening their programming abilities early on, students are better prepared to solve real-world problems, think critically, and develop the technical expertise required in the ever-evolving field of computer applications.

A well thought of syllabus is designed for the bridge course and was effectively taught to the students in the 30 hours:

Unit 1: Computer Fundamentals: Basic of Computers, Basic computer organization, storage hierarchy, storage devices, input – output devices. Computer Software, Introduction to operating systems.

Unit 2: Elements of C language: C character set, identifiers & amp, Keywords, data types declaration & definition . Operators: Arithmetic relational, logical, bitwise, unary, assignment and conditional operators & their hierarchy, associativity, data input/output. Control statement: Sequencing, selection: If and switch statement, iteration: for, while, do – while loop, break, continue, goto statement.

Unit 3: Functions in C language: Definition, prototype, passing parameters, recursion.

Unit 4: Data structure: Arrays, structures, union, strings, arrays and pointers.

Resource Person Details:

The faculty members of MCA department, PG Wing of SBRR Mahajana First Grade College- Mrs. Yashaswini J, Dr. Anisha Kumar, Mrs. Eswin Pria Angel, Ms. Likhitha M M, Ms. Sushmita Sheeba Dsa and Mrs. Yashaswini K T.

Target audience and No. of Participants/beneficiaries:

A total of 85 students attended the programme.

Dr. B R Jayakumari

Principal

IQAC Coordinator
SBRR Mahajana First Grade College
(Autonomous)
Jayalakshmipuram, MYSURU-570 012

Mrs. Yashaswini J

Event Coordinator