

8-Day Workshop on Computer Hardware and Networking

The Computer Department of Shri Ram College successfully organized an 8-Day Workshop on Computer Hardware and Networking from 10 Oct 2025 to 18 Oct 2025 for BCA students. The workshop was designed to provide students with practical knowledge of computer hardware and networking concepts beyond the prescribed university curriculum. The program aimed to bridge the gap between software knowledge and hardware expertise, enabling students to gain a comprehensive understanding of computer systems.

The workshop was organized with the following objectives:

- To introduce students to the fundamentals of computer hardware and networking.
- To provide hands-on experience in assembling and troubleshooting computer systems.
- To enhance students' understanding of computer architecture and internal components.
- To develop practical skills for diagnosing and resolving hardware-related issues.
- To create awareness about career opportunities in hardware engineering and networking.

The workshop was divided into theoretical and practical sessions.

The lecture sessions were conducted by Mr. Hans Kumar, who introduced students to the basics of computer hardware, networking concepts, and computer architecture. He explained the functions of various internal components such as the motherboard, processor, RAM, storage devices, power supply, and expansion cards.

The practical sessions were conducted by Mr. Manoj Pundir and Mr. Dinesh Yadav. Students received hands-on training in:

- Computer assembly and disassembly
- Identification of hardware components
- Installation and configuration of devices
- Troubleshooting common hardware issues -
- Basic networking setup and maintenance

Mr. Hans Kumar also demonstrated the complete assembly of a computer system and explained the importance of compatibility among components. He stressed that a high-performing computer is not determined solely by advanced hardware but by the proper integration and harmony of all its parts.

Students actively participated in all sessions and displayed great enthusiasm throughout the workshop. They engaged in practical exercises, asked relevant questions, and gained valuable insights into hardware maintenance and networking concepts. The interactive nature of the workshop enabled students to clarify their doubts and strengthen their technical skills.

The workshop received an overwhelmingly positive response from the participants. Students expressed their appreciation for the practical exposure and requested that similar workshops and seminars be organized regularly. Mr. Nishant Rathi, Head of the Computer Department,

welcomed this suggestion and assured students that more such skill-development programs would be conducted in the future.

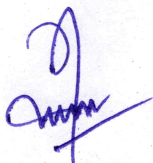
Outcomes of the Workshop

- Enhanced understanding of computer hardware and networking fundamentals.
- Improved practical skills in computer assembly, maintenance, and troubleshooting.
- Increased awareness of computer architecture and component compatibility.
- Development of problem-solving abilities related to hardware issues.
- Exposure to career opportunities in hardware engineering and networking.
- Strengthened confidence in handling and maintaining computer systems independently.

Acknowledgements

The workshop was conducted under the guidance of the Computer Department and witnessed the presence of faculty members including Ms. Neetu Singh, Mr. Praveen Kumar, Mr. Amit Tyagi, Mr. Pramod Kumar, Mr. Sanjay Kant Tyagi, Mr. Rahul Gautam, Mr. Vikas Kumar, Mr. Rahul Mainwal, Mr. Siddhant Garg, Ms. Vandana, Garima, Himanshu Hora, Mr. Sumit Saini, Sahil Usmani, and many others, whose support contributed to the success of the program.

Participant 167



(HOD, Computer Application)



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