



Sandip Foundation's
Sandip Institute of Technology & Research Centre,
Mahiravani, Trimbak Road, Nashik - 422 213



Department of Engineering Sciences and
Humanities

Date: April 1, 2022

All students of the First Year are hereby informed that the department has organized the Seminar on Routing and Switching on date April. 4, 2022 at 11:00 A.M.

The aim of this program is to guide students on various certified courses that can enhance their knowledge and career prospects in the field of networking..

Venue: Seminar Hall, D Building, SITRC

Prof. S.G.Dhake

Event Coordinator

Prof. Dr. S.N.Patil

HOD, ESH

Activity Report
Of
Seminar on Routing and Switching

A.Y. 2021-22



Organized by,

Sandip Foundation's

Department of Engineering Sciences and Humanities
Sandip Institute of Technology and Research Centre, Nashik (MS)

DTE Code: 5109

Date: April 4, 2022

Name of Program- Seminar on Routing and Switching

Resource Person: Mr. Dhananjay Patankar

Event Coordinator: Assistant Prof. S.G. Dhake SITRC

Participants: FE students (ESH Department)

No. of Participants: 147

Venue: Seminar Hall, D- Building SITRC.

Aim:

The aim of the activity was to provide engineering students with an in-depth understanding of routing and switching algorithms used in current network systems.

Objective:

Students able to-

- to introduce students to the fundamental concepts of routing and switching.
- to explain the algorithms and protocols used in modern network systems.
- to inform students about certified courses and their significance in the networking industry.
- to inspire and motivate students to pursue further studies and certifications in networking.

Summary

The activity, conducted by Dhananjay Patankar from Networkers Academy, Nashik, began with a comprehensive introduction to routing and switching. Mr. Patankar explained the importance of these processes in network infrastructure, emphasizing their role in ensuring efficient data transmission.

He discussed several key algorithms used in current systems, including:

- **Routing Algorithms:** Distance Vector, Link State, and Path Vector
- **Switching Algorithms:** Store-and-Forward, Cut-Through, and Fragment-Free

Mr. Patankar detailed the functionality of these algorithms and how they contribute to the performance and reliability of networks. In addition to the technical content, Mr. Patankar provided valuable guidance on various certified courses beneficial to students, such as:

- Cisco Certified Network Associate (CCNA)
- Cisco Certified Network Professional (CCNP)
- CompTIA Network+
- Juniper Networks Certified Internet Associate (JNCIA)

He emphasized the importance of these certifications in the job market and their potential to open up better career opportunities for students.

Outcome

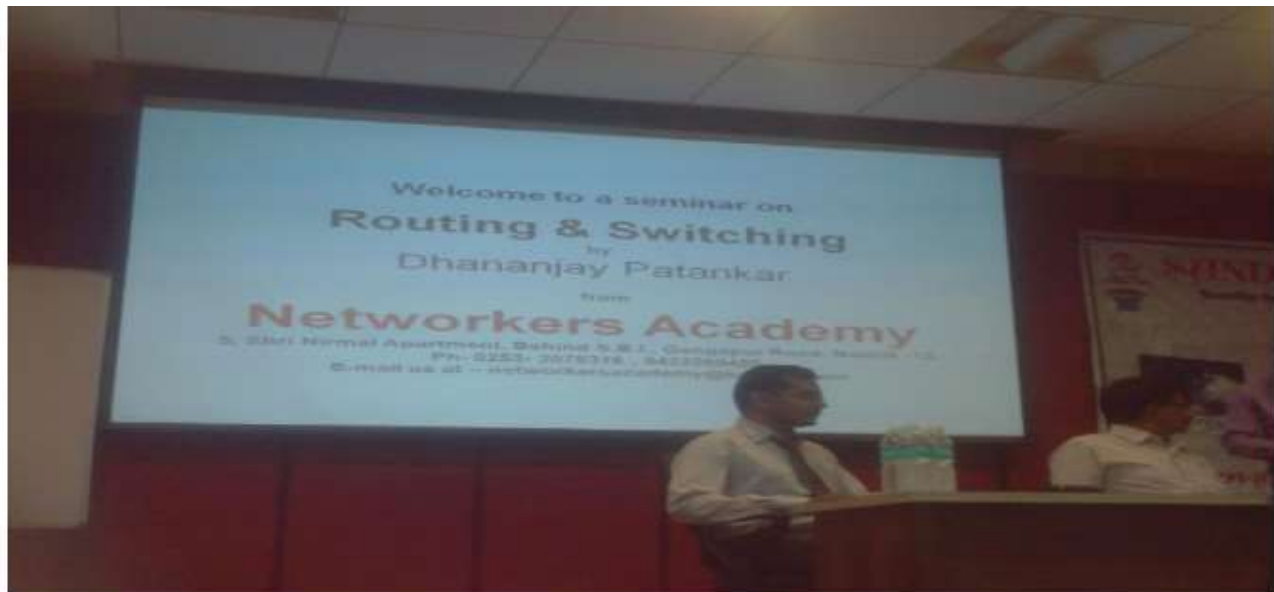
The session was highly beneficial for the students, achieving the following outcomes:

- Students gained a clear understanding of routing and switching concepts and algorithms.
- They learned about the importance of these technologies in current network systems.
- Students were informed about various certification courses, their content, and their significance in the networking industry.
- The session inspired students to consider pursuing further studies and certifications in networking to enhance their career prospects.

Conclusion

The activity was successful in meeting its aim and objectives. Students left the session with a solid understanding of routing and switching algorithms, as well as a clear pathway for further education and certification in networking. Mr. Patankar's guidance was well-received, providing students with the knowledge and motivation to pursue advanced studies and certifications, thereby improving their employability in the competitive field of networking.

Event Photograph's



Introduction of Guest Speaker Mr. Patankar



Mr. Patankar Explaining different strategies and exam conducted by Network Academy



Beneficiary Students

A handwritten signature in black ink, appearing to read "S.G. Dhake", with a long horizontal line extending to the right.

Prof. S.G.Dhake
Event Coordinator

A handwritten signature in black ink, appearing to read "S.N. Patil", with a long horizontal line extending to the right.

Prof. S.N.Patil
HOD, ESH

A handwritten signature in purple ink, appearing to read "M.M. Patil", with a long horizontal line extending to the right.

Prof. Dr. M.M. Patil
Principal, SITRC

