



SESHADRIPURAM FIRST GRADE COLLEGE

Yelahanka New Town, Bengaluru – 560064

Permanently Affiliated to Bengaluru City University, Recognized by
Government of Karnataka

& Recognized under Section 2 (f) & 12 (B) of the UGC Act, 1956,
Accredited 'A' Grade by NAAC and ISO 9001 : 2015 Certified

Faculty Development Program on Practical Approach to Computer Networks

Organized by Department of Computer Science

In Association with IQAC & SRF

Resource Person –Manoj Kashyap R founder at EthicalByte

Time: 9.30 Am to 4 Pm

Number of Participants: 45

Date: 16/12/2022 to 23/12/2022(7 Days)

Topics Discussed:

- 1. To understand why networks are useful for Communications.**
- 2. To learn how to configure and implement the applications.**
- 3. To learn how to build the networks for communications.**
- 4. Deep learning how to troubleshoot the configurations for communications.**
- 5. Reflect on the experience and understanding of networking.**
- 6. Prepare for and practise networking**
- 7. Develop own authentic and achievable approach and strategies.**
- 8. Networking Concepts as per NEP Syllabus 2020.**
- 9. Cyber Security**
- 10.Ethical Hacking**
- 11. Installing and Configuring Cisco Packet Tracer.**
- 12.Setting IPV4**



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13.Tracing the network connectivity after setting up routing Protocols.

Day 1:

A faculty development programme was organized from 16/12/2022 to 23/12/2022 at Seshadripuram First Grade College, Yelahanka on the above mentioned topic. This was a seven day Faculty Development Programme where various related subtopics were discussed in detail by eminent Resource Person (Manoj Kashyap R) and a very beneficial academic environment was experienced by the participants. The FDP was started on 16th December, 2022 with the Lamp Lightening ceremony followed by SET Anthem. The dignitaries were welcomed by the Principal Dr.S.N Venkatesh and presented flowers. The first technical session was on the Networking Concepts. He also discussed the latest trends which are observed in various Technologies and the perception of technologies regarding the same. The lecture was very beneficial and provided an insight on the various challenges associated which a Cyber Security has to overcome. The technical session was followed by lunch.

Day 2:

On second day technical session 2 and technical session 3 were organized. The guest speaker was Manoj Kashyap R discussed about Security and ethical hacking in present Scenarios. There were exchanges of ideas on the issues concerning the Society. It was also discussed the requirement of the networks and how research activities can be carried out by teachers in limited time span and with limited resources. In the technical session 3 Manoj Kashyap R discussed about how to Install and configure the components and set the path of the IP address .The session was followed by lunch.

Day 3:

On third day technical session 4 & 5 were addressed by Manoj Kashyap R, enlightened the participants about skills required to use Networking communication. Various life skills were discussed in detail over the two sessions of the day. Various Practical sessions were discussed and practically implemented the same. Manoj Kashyap R cited the examples to make the attainment of the skills very clear. In all, the technical sessions provided a good learning experience. This was followed by lunch.



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Day 4:

On the fourth day the technical session 6 & 7 were organized. Participants were fortunate to listen, speaker discussed on the changes in the new curriculum. The various competencies that need to be developed and the preparation required from the side of the teacher educators were discussed.

Day 5:

Day five was again addressed by Manoj Kashyap R and the topic of discussion was Professional Networking skills of Teachers in provided various case studies. Configuring Routers and Switches, Building a network topology and configuring the entire network, Static and dynamic routing, Setting up a static IPv4 route, Setting up dynamic RIP v2 routes.

Day 6:

On day six the session 10 and 11 were held Manoj Kashyap R and Mr. Aditya discussed about creativity in young minds. They discussed how to teach to develop creativity in children.

Install the packet tracer and configuring the static and dynamic IP address. Setting up a IPV4 route Manoj Kashyap R provided various examples where creativity was initiated and incubated in Providing Networking Security and Ethical Hacking.

Day 7:

On day seven the morning session was addressed by Manoj Kashyap R Implemented practical's on tracing the network Connectivity after setting up the routing applications. Configuring VLANS and configuring the network. After tea break the last session of the FDP i.e. the valedictory session was held. Report of the FDP was presented by Professor Rekha Raichal, Head of the Department and Addressed by Principal Dr S N Venkatesh and Certificates were distributed and votes of thanks were given by Associate Professor Amitha.K N.