Nature of Event (Workshop, Guest Lecture, Add-on Course, Seminar, etc.)	One-week National level online Faculty Development Programme on "**DCS-Switching and Routing**"
Name of Department	Electronics
Faculty attended	1) Mrs. Vilma M. T. Fernandes 2) Mr. Daryl Gonsalves 3) Dr. Caje F. Pinto 4) Ms. Darshata Satardekar
Stratum of Event (College, State, Regional, National)	National level
Title of Event	"DCS-Switching and Routing"
Date of Event	17th January 2022 to 21st January 2022 from 10:00 a.m. to 4:00 p.m.
Venue	Online mode, University Science Instrumentation Centre, School of Physical and Applied Science, Goa University
Resource Person details	Mr. Nilesh Vartak, DCT-D-link Academy Prof. D. Sridharan, ECE, Anna University Prof. Nagendra Gajjar, ECE, IT-Nirma University Dr. Udaysing Rane, Assoc. Prof. DM's College, Goa Mr. Deepak Chodankar, VP at SNSL-Goa Dr. Anil Tane, Asst. Prof., IPHB, Government of Goa
Objective/ Scope of Event	The FDP is a part of the ATAL Academy Initiative and has been designed for empowering teachers with change management strategies in the implementation of National Education Policy 2020 in their organization. This course enabled the participants(us) to gain a broad understanding of all features and aspects of Switching and Routing technologies.
Particulars of Event	The different sessions conducted were: 1) Course introduction: Networking, OSI and TCP/IP 2) Introduction to Networks I 3) Introduction to Networks II 4) Advance in Networks I 5) Advance in Networks II 6) Internet Layer, Transport Layer and Subnetting, Overview of D-Link Switches and Features 7) Switch Learning process, VLAN and GVRP: The switch L@

	FDB Learning Process 8) Understanding and configuring Spanning Tree Protocol STP RSTP 9) Routing Basic RIP and Static: Basic Concept and configuration of Routing, Case studies and exercise 10) Stress Management 11) Accessing and Configuring switch, D-Link Switch operations (Lab exercise), Case studies 12) Switch Learning Process, VLAN and GVRP: Concept of 802.1Q, VLAN (Lab exercise), Practise session (Case studies) 13) Switch stacking: Concept of Switching Physical stacking, Virtual stacking, Stacking operations, Configuring switch stacking 14) Understanding and configuring D-Link, ACL, LLDP and System Maintenance, Case studies and exercise
Outcome of Event	After completion of this course, an assessment test was conducted on the last day of the programme for all the participants. We have gained knowledge in the designing, troubleshooting and maintaining of the Network. We also had the opportunity to have a hands-on practice with the material with Real-time Industry experience.
Feedback	Good. Course was helpful.
Total No. of Participants from St. Xaviers College, Goa	4 faculty members from the Department of Electronics

Photographs

No: ATAL/2022/1641292816

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AICTE Training and Learning (ATAL) Academy

Certificate

This is certified that Vilma Maria Teresa Fernandes, Associate Professor of St. Xavier's College, Mapusa, Goa participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "DCS-Switching and Routing" from 17/01/2022 to 21/01/2022 at Goa University.

Advisor-I, ATAL Academy
Mamta Rani Agarwal

Coordinator