

Faculty Development Program
(through Online mode)

on

“Cyber Security”

24th–28th August 2021

Sponsored By
AICTE - Training and Learning
(ATAL) Academy



Organized By



Department of Electronics
& Telecommunication Engineering

Institute of Engineering
and Technology

(University Teaching Department)

Devi Ahilya Vishwavidyalaya
Khandwa Road, Indore, MP
www.ietdavv.edu.in

ATAL FDP on Cyber Security

Faculty Development Program on Cyber Security

Cyber Security 5-days AICTE sponsored FDP was conducted from 24th August to 28th August, 2021 in which around 160 participants from different parts of country participated.

Speakers for the 5-Day FDP on “Cyber Security” were:

1. Dr. P D Vyahare Former Professor & Head, SGSITS, Indore
2. Dr. Devesh Jinwala Professor SVNIT, Surat
3. Dr. Shahdeo Padhya Asso. Professor, MNIT, Allahabad
4. Dr. Apurva Gaiwak CEO, SGSITS Incubation Forum, Indore
5. Dr. Ambika Prashad Shah Assistant Professor, IIT Jammu
6. Dr. Adarsh Kumar Professor, UPES Dehradun
7. Dr. Gaurav Varshney Assistant Professor, IIT Jammu
8. Mr. S. S. Tomar Scientific Officer (H), RRCAT Indore
9. Dr. Raksha Upadhyay Asso. Professor, IET DAVV, Indore
10. Mr. Kirti Joshi Vice Chairman, Indore branch of ICAI
11. Mrs. Artee Dubey Meditation Trainer & Councilor
12. Mr. Ajinkya CTO, Detto Security Solutions

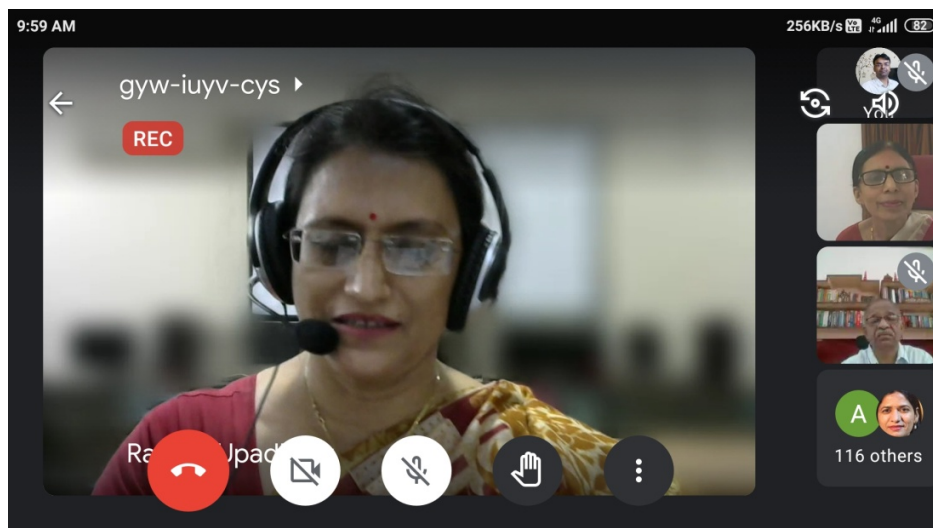
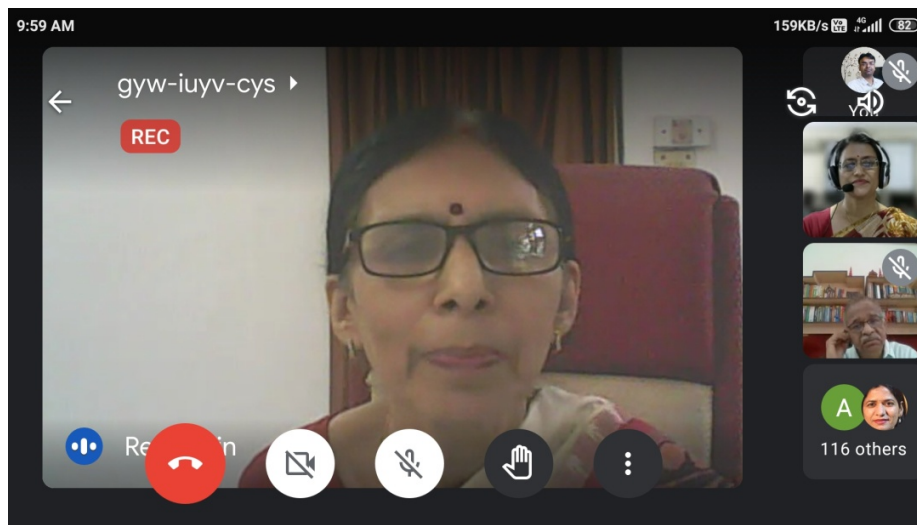
The schedule of the workshop was as below:

Day/Timings		Session I 10:00 AM-12:00PM	Session II 12:30 Noon-02:30PM	Session III 03:00PM- 05:00PM
24-08-2021 (Tuesday)	Name of the Expert	Dr P D Vyavahare	Dr Ambika Prasad Shah	Dr Sahadeo Padhye
	Organization	Fomer Professor and Head, SGSITS, Indore	Assistant Professor, IIT, Jammu	Associate Professor, MNIT Allahabad, Prayagraj
	Topic	Introduction to Cryptography : Historic perspective to Secret Sharing	IC Reliability & Security: Challenges, Opportunities and Roadmap	Number Theory for Secure Communication
25-08-2021 (Wednesday)	Name of the Expert	Mr Apoorva Gaiwak	Dr Devesh Jinwala	Dr Adarsh Kumar
	Organization	CEO, SGSITS Incubation Forum, Indore	Professor, SVNIT, Surat	Professor, UPES, Dehradun
	Topic	Campus wide Network with Provision of Security Issues	Machine Learning for Malware Detection	Web/ Network Penetration Testing
26-08-2021 (Thursday)	Name of the Expert	Mr Kirti Joshi (CA)	Dr Gaurav Varshney	Dr Artee Dubey
	Organization	Vice-Chaiman, Indore branch of ICAI	Assistant Professor, IIT, Jammu	Meditation Trainer and counselor
	Topic	Cyber Financial Frauds	Network Layer Attacks and their Counterparts	Meditation (Sahaj Yoga) for Joyfulness
27-08-2021 (Friday)	Name of the Expert	Dr Gaurav Varshney	Mr Ajinkya Lohakare	Dr Raksha Upadhyay
	Organization	Assistant Professor, IIT, Jammu	CTO Ditto Security Solutions	Associate Professor, IET-DAVV
	Topic	Web Securities, Policies and Hands on Web Proxy	Ethical Hacking	Physical Layer Key Generation & its Future Perspectives
28-08-2021 (Saturday)	Name of the Expert	Dr Adarsh Kumar	Mr S S Tomar	Valedictory & Feedback Session
	Organization	Professor, UPES, Dehradun	Scientific Officer (H), RRCAT, Indore	
	Topic	Cyber Forensics & Cyber Threat Intelligence	Recent Advances in Cyber Security	

ATAL FDP on Cyber Security

The inauguration was held on 24th August, 2021 online at 09:30 am with kulgeet. Chief Guest of the program was Dr. Renu Jain (Vice Chancellor, DAVV), Guest of Honour of the function were Dr. Sanjeev Tokekar (Director, IET DAVV). Coordinator Dr. Raksha Upadhyay chaired the function with participants.

Dr. Renu Jain addressed the participants. Dr. Raksha Upadhyay, Coordinator proposed the Vote of Thanks. Some screenshots of the inaugural function are as below.



ATAL FDP on Cyber Security

The List of participants was:

S No.	Name	Institute Name
1	Mrs. Subashini V	Rajalakshmi Institute of Technology
2	Mr. Suthahar P	Sri Sai Ram Institute of Technology
3	Mrs. Deepa N R	Federal Institute Of Science And Technology
4	Mr. Ippalapalli Venu	Sri indu Institute of engineering and technology
5	Mr. Ravindra	IET DAVV
6	Miss Valerie Menezes	Agnel Institute of Technology and Design
7	Mrs. T V Divya	KMIT
8	Mr. Pawan Kumar Gupta	Acropolis Institute of Technology and Research, Indore
9	Mr. Gaurav Mandloi	Acropolis Institute of Technology and Research Indore
10	Dr. Arun Sekar Rajasekaran	GMR Institute of Technology
11	Mr. Unnikrishnan K.K.	NUALS
12	Mrs. S.Padma Devi	Velammal college of engineering and Technology
13	Mr Pramendra Singh	SMS GOVERNMENT MODEL SCIENCE COLLEGE GWALIOR
14	Mrs. Mausmi Verma	SVITS, SVVV Indore
15	Mrs. Joyce Manish Dsouza	St. John college of Engineering and Management
16	Mrs. Arpita Singh	Amity University Lucknow campus
17	Dr. Dr. B. Jhansi Vazram	Narasaraopeta Engineering College
18	Mrs. Harika Juluri	Keshav memorial institute of technology
19	Mrs. R. Indrakumari	Galgotias University
20	Miss Aparna Gullapelly	KMIT
21	Mr. Manish Dongre	Government Polytechnic Jashpur
22	Mr Daya Shankar Singh	Sunbeam College for Women
23	Dr. Sunkari Venkatramulu	Kakakatiya Institute of Technology & Science
24	Mrs. Devyani Bhamare Jadhav	Sanjivani COE Kopargaon
25	Miss Neha Rastogi	Dewan VS Institute of Engineering and Technology
26	Mr. Suresh Mikkili	RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS
27	Dr. Jyothi Mandala	Christ University
28	Mr. Vikas Bhatnagar	Moradabad Institute of Technology
29	Mr. Kishore Babu Dasari	KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY
30	Mrs. D.R.Denslin Braja	Noorul Islam Centre for Higher Education
31	Mrs. Josna Philomina	SCMS school of Engineering and Technology
32	Dr. Neeraj Kumar Sharma	JSAC
33	Mr. P Rajakumar	Galgotias University

ATAL FDP on Cyber Security

34	Mr. G Nagarajan	Galgotias university
35	Mrs. Ch Deepthi Kothapalli	SIR C R REDDY COLLEGE OF ENGINEERING, ELURU, WEST GODAVARI DISTRICT, ANDHRA PRADESH
36	Mr. Chauhan Darshankumar Rajendrabhai	SHRI SITARAMBHAI NARANJI PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTER, UMRAKH
37	Dr. Vijayakumar.R	Sri Ramakrishna Engineering College
38	Miss Reenu Saini	g h raisoni university saikheda
39	Mrs. Minal Tushar Kolhe	KCES'S COLLEGE OF ENGINEERING & IT JALGAON
40	Miss Harsha Vinayak Talele	KCES's COEIT, JALGAON
41	Miss Pooja Vijay Naval	KCES's COEM, Jalgaon
42	Mrs. Nandini K	Dayananda Sagar University
43	Dr. K Sekar	Sri Venkateswara College of Engineering
44	Mrs. Ankita Chauhan	Madhuben and Bhanubhai Patel Institute of Technology
45	Miss Swati Singh	IILM
46	Mr. Shyama Sunder N	Ramaiah Inst of Technology
47	Mr. Antony John	Don Bosco College, Angadikadavu
48	Miss Kathija Nasreen Abdul Rahman	RMK COLLEGE OF ENGINEERING AND TECHNOLOGY
49	Mr. Akhil Chaurasia	Sardar vallabhbhai national institute of technology
50	Mr. Mantar Singh Mandloi	REC Rewa (M.P.), 486002
51	Dr. N.Ch.Sriman Narayana Iyengar	Sreenidhi Institute of Science and Technology
52	Miss Haleema Bushra	KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY
53	Mr. Rohit Agarwal	Bansal Institute of Engineering and Technology
54	Mr. Helvin M Geevar	Army Public School ASC C&C Bangalore
55	Mr. Praveen Ankam	KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
56	Mrs. Chandana Kumari	Al-Kabir Polytechnic
57	Mrs. Vinuthna L	St.Peters Engineering College
58	Mr. Manoj Dattoba Shelar	VPKBIET Baramati
59	Mrs. Sangeetha K N	JSS Academy of Technical Education Bangalore
60	Mrs. Gurjapna Kaur Anand	Guru Tegh Bahadur Institute of Technology
61	Mrs. Archana Naik	D. A. V. Public School, Nerul, Navi Mumbai
62	Mrs. Sangita Arora	D.A.V Public School
63	Miss Akshaya Dhingra	UIET MDU, Rohtak
64	Mr. Ranjeet Pawar	BVIT
65	Mr. Sharda Prasad Patel	Gyan Ganga Institute of Technology and Sciences

ATAL FDP on Cyber Security

66	Dr. Krishna Dharavathu	Tirumala Engineering college
67	Mr. Dp Tripathi	National Institute of Technology Jalandhar
68	Mrs. Shatabdi Mondal	Asansol Engineering College
69	Mrs. B Kalyani	Vignan Institute of Technology & science
70	Mrs. Nandini Patil	Sharnbasva university
71	Mrs. Archana P Hodmani	Kommuri Pratap Reddy Institute of Technology,Ghanpur ,Ghatkesar
72	Mrs. Lakshmi Jammulamadaka	TIRUMALA ENGINEERING COLLEGE
73	Dr. Kampa Kanthi Kumar	Tirumala Engineering College
74	Dr. Vijay Ram Ghorpade	Bharati Vidyapeeth College of Engineering Kolhapur
75	Mr. Toke Vivek N	M. J. College
76	Miss Chithra V	Institute of Engineering and Technology University of Calicut
77	Mrs. Archana C	Institute of Engineering and Technology University of Calicut
78	Mr. Priyanath Mahanti	MCKV INSTITUTE OF ENGINEERING
79	Mr. Prashant Devidas Shimpi	GF's Godavari College of Engineering,Jalgaon
80	Miss Anjali J Suresh	Amrita Vishwa Vidhyapeetham
81	Mr. Vaidya Vishmay M.	S.N.Patel. Institute of Tech. & Research Centre
82	Mrs. Shruti Patil	Sharnbasva University
83	Mrs. Geeta Desai	AIKTC
84	Mrs. Mukesh Chouhan	Government Polytechnic College Sheopur
85	Mr. Dilip Chandra E	REVA University
86	Dr. Bharat Bhushan	G. D. Goenka University
87	Dr. Hemalatha	Sathyabama institute of science and technology
88	Mr. Praveen Kumar Tiwari	Sunbeam Suncity Varanasi
89	Mr. Uday Ranjan	AISECT UNIVERSITY ,HAZARIBAG
90	Mr. Tushar Ravindra Mahore	Dr. Rajendra Gode Institute of Technology and Research, Amravati
91	Mrs. Manjushri Mahajan	G H Raisonni College of Engineering and Management, Pune
92	Dr. Ganesh D	Jain [Deemed-to-be-University]
93	Mrs. Karpagavadivu K	Dr.NGP institute of Technology
94	Mrs. Ms. B. Dhanalakshmi	Dr. NGP Institute of Technology
95	Miss Sujata Laxman Sonawane	HI-TECH INSTITUTE OF TECHNOLOGY
96	Miss Deepa V	SRM Institute of Science and Technology
97	Mr. Ajay Kumar Bollepalli	Prasad V Potluri Siddhartha Institute of Technology
98	Mrs. Kavita Jain	Swami keshvanand Institute of technology, Management and Gramothan, Jaipur
99	Miss Uzma Parvin Mir Zafar Ali	BHAVAN'S BHAGWANDAS PUROHIT VIDYA MANDIR CIVIL LINES NAGPUR

ATAL FDP on Cyber Security

100	Mr. Kawajeet Singh Rajput	BHAVAN'S B.P. VIDYA MANDIR,CIVIL LINES, NAGPUR
101	Mrs. Ashwini Mudliar	Bhavan's B.P. Vidya Mandir,Civil Lines,Nagpur
102	Miss Marziya Haidari	BHAVANS BP VIDYA MANDIR CIVIL LINES NAGPUR
103	Mr Ratikesh Hole	Mhow Indore
104	Mrs. Shital Mandar Mate	Sou. Venutai chavan polytechnic
105	Mr. Shriyash Sudesh Masram	G H Rasoni Institute of engineering and technology Nagpur
106	Mr. Mayank Jamgade	G H Rasoni institute of engineering and technology
107	Mr. Suraj Suresh Pande	Rajiv Gandhi College Of Engineering and Research
108	Miss Bormane Pradnya D.	AISSMS IOIT PUNE
109	Dr. R Eswaramoorthi	K S R COLLEGE OF ENGINEERING
110	Mr. Praveen Kumar	Patna women's college
111	Mrs. Deepa C K	Presidency University
112	Mrs. V.Archanareddy	KMIT
113	Mr. Prashant Upadhyay	Lloyd institute of engineering and technology
114	Mr. Ravindra Sharma	Svits Svvv
115	Mrs. Shelly Shiju George	Amal Jyothi College Of Engineering
116	Dr. Viji	HKBK College of Engineering
117	Dr. Anupriya Koneru	Lakireddy Bali Reddy College of Engineering
118	Mrs. Sunita Santosh Nandgave	G H Rasoni College of Engineering & Management, Pune
119	Mr. Gurrehmat Singh Bindra	LPU
120	Mrs. Reva Shrikant Patil	Rajarambapu Institute of Technology, Sakharale
121	Mrs. G.Alekhyia	Geethanjali College of Engineering and Technology
122	Mr. Sunil Kumar	SWAMI VIVEKANAND GOVERMENT POST GRADUATE COLLEGE,DEPT.OF B.ED.LOHAGHAT(CHAMPAWAT)UTTARAKH AND,INDIA
123	Mr. Mahendra Kumar Sahu	Shri Shankaracharya Institute of Professional Management and Technology Raipur
124	Mrs. Suvarna Satkar.	G H Rasoni College and Management Pune
125	Mr Vidya Prakash	BCREC
126	Dr. Dr. V. Sowmya Devi	Vignana Bharathi Institute of Technology
127	Mrs. Premalatha R Shetty	St Aloysius College(Autonomous), Mangalore
128	Dr. Srinivas D B	Nitte Meenakshi Institute of Technology
129	Mr. Karunapati Upadhyay	SUNBEAM SUNCITY (School and Hostel)
130	Mrs. Lakshita Landge	Acropolis Institute Of technology & research
131	Mr. Tirupati Goskula	Anjuman College of Engineering and Technology
132	Mrs. G.Premalatha	Mohamed Sathak A J College of Engineering

ATAL FDP on Cyber Security

133	Mr Vipin Rathore	No
134	Mrs. Lavanya	sastra university
135	Mr. Mohd Rehan	S.S.J. UNIVERSITY
136	Mr. Suresh V	Dr.N.G.P Institute of Technology
137	Dr. Ashok K. Saini	State Council of Educational Research & Training
138	Miss Kambalapelly Anuradha	KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY
139	Mr. Vipul Jain	Siddaganga Institute of Technology, Tumkur
140	Mrs. Jayanthi S	Sathyabama Institute of Science and Technology
141	Mr. Soumen Swarnakar	Netaji Subhash Engineering College
142	Mr. Kumar Rohit	chandigarh university
143	Mr. Rajath A N	GSSS Institute of Engineering & Technology for Women
144	Dr. Uma Rathore Bhatt	IET, DAVV, Indore
145	Mr. Chirag Shirish Dalal	D D UNIVERSITY
146	Mrs. Meenu	MMMUT
147	Mrs. Leena Kadu	BHAVAN'S B. P. VIDYA MANDIR, CIVIL LINES, NAGPUR
148	Miss Ashwini Nivasrao Mandale	Dr Daulatrao Aher College of Engineering
149	Mrs. Swati Garg	Sophia Sr Sec School, Bikaner
150	Mr. Mithun Mhatre	Bharati Vidyapeeth Institute of Technology
151	Mrs. Bhuvaneshwari G	Sri Bharathi Engineering College for Women
152	Mr. Girish K	Mangalore University
153	Miss Sreelakshmi A	Government college of engineering kannur
154	Mrs. Sugapriya	SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
155	Mrs. Deepti Arela	Swami Keshvanand Institute of Technology, Management & Gramothan,Jaipur
156	Mr. Sanjay	RANTEC, Ranchi
157	Mr Abhishek Solanki	Axis bank
158	Mr. Sheikdavood K	M.KUMARASAMY COLLEGE OF ENGINEERING
159	Mr. E. Subramanian	Sri Shakthi Institute of Engineering and Technology
160	Miss Kasturi Anoopama	Malla Reddy College of Engineering and Technology
161	Mrs. Satram Surekha	VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY
162	Mr. Shashi Kant Singh	BA College of Engineering & Technology, Jamshedpur
163	Miss Sona Maria Sebastian	Amal Jyothi College of Engineering, Kanjirappally, Kerala
164	Mrs. K.Saranya	Kalaingar Karunanidhi Institute Of Technology

ATAL FDP on Cyber Security

165	Mrs. Gomathi S	Dr.N.G.P. Institute of Technology
166	Mrs. P. Sangeetha	P.A College of Engineering and Technology
167	Mr. Anil Sharma	MPS INTERNATIONAL
168	Mrs. Keerthana M M	ATME COLLEGE OF ENGINEERING, MYSORE
169	Dr. Subrata Biswas	Netaji Subhash Engineering College
170	Mrs. Pendem Punitha	Vignana Bharathi Institute of Technology
171	Mrs. Sonali Mortale	PCP
172	Mr. Vivek Kumar Singh	Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya Chitrakoot Satna Madhya Pradesh
173	Miss Nivedita Kadam	GHRCEM, Pune
174	Mr. Sultan Singh Saini	Jaipur Engineering College
175	Dr. Rakhi Thakur	Kalaniketan Polytechnic College Jabalpur
176	Mrs. Yagnasri Ashwini	G.Narayanamma Institute of Tech. and Science
177	Mr. Utkarsh Kumar Shrivastava	Government Polytechnic College Barwani
178	Mr. Vijay Chittiboyina	GITAM Deemed to be University
179	Dr. Sheeba J I	Puducherry Technological University
180	Dr. Sivanesan P.	SASTRA Deemed to be University
181	Mrs. Durga A	BMS Institute of Technology & management
182	Mrs. Sangita Solanki	IET, DAVV, INDORE
183	Miss Bharati Mohan Deokar	SVERI's COE Polytechnic, Pandharpur
184	Mr. Ankit Soni	IET DAVV
185	Mr. Sunil Patil	Indore Public School
186	Mr. Ashish Pant	Swami Keshvanand Insitute of Technology, Management & Gramothan, Jaipur
187	Mr. Pankaj S. Desai	SNJB's Late Sau. K.B. Jain College of Engg, Chandwad
188	Dr. Judgi	Sathyabama Institute of Science & Technology
189	Dr. G Kalaiarasi	Sathyabama Institute of Science and Technology
190	Mr. Lakshmi Sagar	SVEC
191	Mrs. Seema Singh	Institute of Technology & Management, Gida
192	Mrs. D Sandhya Rani	Sri indu college of engineering and technology
193	Mr. Om Prakash Sondhiya	IETDAVV
194	Mrs. Aakanksha Mishra	RSR RCET, BHILAI
195	Dr. Shilpa Waghchoure	GES' College of Education and Research
196	Mr. Sachin Ajabrao Vyawahare	Sanmati Engineering College, Washim
197	Mrs. Rani S	Govt Arts College for women, Ramanathapuram
198	Dr. Charu V. Verma	R K Sarda Vidya Ashram
199	Mr. Sachin Balo	MCKV Institute of Engineering
200	Mr. Bhandare Prashant Shivaji	Sveri's College of Engineering(Polytechnic),Pandharpur

ATAL FDP on Cyber Security

The Screenshot of participants taken at the closing are:

It was a great initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity to conduct online FDP for faculty of technical institute of India free of cost. I got huge response for registration as well as lots of compliment of arranging the online workshop, content and hands on.

Day - 1

Session 1:

Introduction to Cryptography: Historic Perspective to Secret Sharing by Dr. Prakash Vyavhare

In this lecture the requirements of secure communication is discussed with historic perspective of cryptography. Security algorithms are classified. Possible security attacks are also discussed. Symmetric and asymmetric key systems are also highlighted with a brief introduction of Quantum Cryptography.

Session 2:

IC Reliability, Security and Quality (IC ResQ) by Dr. Ambika Prasad Shah

In this lecture, Dr. Ambika started with the introduction of the IC technology. Various reliability issues like PVT variations, bias temperature instability, ageing effects are discussed. Further hardware security issues like PUF, counterfeit electronics are also explored. Research challenges with reliability & security of IC are also highlighted.

Session 3:

Number Theory for Secure Communication By Dr. Shahdeo Padhey

The speaker discussed the mathematical background of number theory. Lecture starts with the prime numbers followed by Euler's Phi function and Fermat's little theorem. Application of Chinese Remainder Theorem is also discussed. Some of the mathematical problem on DLP, factoring are demonstrated followed by the cryptosystems using Number theory problem, DH protocol and RSA.

Day - 2

Session 4:

Design and Security Aspects in Wired Networks

By Dr. Apurva Gaikwad

After the welcome on the day 2 of the program, Dr. Gaiwak continued with the Design and security aspects in the wired networks. He emphasis on the design of the wired data networks and security perspective associated with them. He discussed about various attacks at different layers of OSI model. He also discussed about network switches from various manufacturers like Cisco.

Session 5:

A Peep into Machine Learning in Malware Detection

By Dr. Devesh Jinwala

Dr. Jinwala continued the session with focusing on machine learning in Malware detection. He started with a quick review of ML techniques and their application in network security. He consider an example of malware detection and demonstrate how ML can be applied for its detection.

Session 6:

Hands on Web/Network Penetration Testing

By Dr. Adarsh Kumar

Dr. Adarsh given a session on hands on web/network penetration testing. Penetration testing is to identify the possible weak spots in application, servers or networks, so as to check the privileged access for an attacker. He introduced OWASP and its application. He further demonstrated web securities using Dojo Linux (DVWA). He also discussed about the Mutillidae and its installation with top 10 OWASP attacks. He also demonstrates Burp Suit and its applications.

Day - 3

Session 7:

Frauds under GST

By CA Kirti Joshi

Followed by the welcome of Mr. Kirti Joshi by Dr. Raksha, Mr. Joshi gave a lecture on frauds under GST. He discussed different aspects of cybersecurity in Cyber financial frauds. He also suggests various preventive measures to protect against financial frauds.

Session 8:

Network Layer Architecture, Attacks and Counterparts

By Dr. Gaurav Varshney

Dr. Varshney discussed about the architectural peculiarities of the Network layer of the OSI model. He also discussed about the specific attacks at the network layer and associated countermeasures.

Session 9:

Meditation

By Mrs. Artee Dubey

A relaxing and self meditation session was lead by Mrs. Artee Dubey, trainer and councillor from Sahajyog Indore. She discussed about the mental health and integration of energy within us. She discussed about the stress management for young professionals.

Day - 4

Session 10:

Web Securities, Policies and Hands on Web Proxy

By Dr. Gaurav Varshney

Dr. Varshney continues with the security aspects and policies associated with web. He also demonstrated various attacks in the internet and discusses hands on session on Web Proxy.

Session 11:

Ethical Hacking

By Mr. Ajinkya Lohakare

Mr. Ajinkya gives an idea about the ethical hacking and how the privacy of the users in the internet is compromised. He discuss and demonstrated various ways and websites from where user can check the security and privacy of their accounts.

Session 12:

PLS and its Research Prospective

By Dr. Raksha Upadhyay

Dr. Raksha introduce the audience with the physical layer security. She covers various aspects & requirements of PLS for wireless networks. Wireless physical layer key generation is discussed in detail with RSS preprocessing as one of the approach to improve its performance. She ends with conclusion that the PLKG is suitable security solution for power constraint networks.

Day - 5

Session 13:

Cyber Threat Intelligence, Data Collection & Scanning Tools

By Dr. Adarsh Kumar

Dr. Adarsh Kumar gives a detailed discussion on the cyber threat intelligence, data collection and scanning tools. He also gives hands on session on Wireshark, Open Vas, Nmap and basics of Lua programming. Cyber threat intelligence is information about the threats and threat factors that help mitigate harmful events in cyberspace. He also discussed about Firewall, antivirus protection & email security.

Session 14:

Recent Advances in Cybersecurity

By Mr. S. S. Tomar.

This was the last technical session of the 5 day FDP where the speaker present recent advances in cybersecurity & NISPG. Starting with the general introduction of cyber-security, Mr. Tomar discussed about cyber hacking / terrorism / warfare. He gives an idea about the advanced cyber attacks, air gap security, etc. He also presented cybersecurity ecosystem in India and innovation measures in cybersecurity.