



REPORT ON CYBER SECURITY

**Date: 8th-12TH February, 2021,
NARASARAOPETA ENGINEERING COLLEGE(AUTONOMOUS)
NARASARAOPET
GUNTUR Dt., A.P. – 522601**

**Coordinator: Dr. B. Jhansi Vazram
Professor, Dept. of CSE
Narasaraopeta Engineering College(Autonomous)
Andhra Pradesh, India.**

AICTE TRAINING AND LEARNING ACADEMY

ATAL FACULTY DEVELOPMENT PROGRAMME ON CYBER SECURITY

FACULTY DEVELOPMENT PROGRAMME ON CYBER SECURITY

A 5-Day AICTE sponsored Faculty Development Programme on CYBER SECURITY was conducted from 8th to 12th February, 2021 in which around 124 participants from different parts of the country were participated.

The speakers for the 5-day workshop on “AUGUMENTED REALITY AND VIRTUAL REALITY”were:

Dr. V. Valli Kumari, Professor, Dept. of CS&SE, Andhra University.



Dr Valli Kumari Vatsavayi, a Professor at Andhra University with over 26 years of experience in teaching and research, holds a PhD degree with Gold medal for best research, MTech in Computer Science and Technology and a BE in ECE.

She researches on Block Chain, Computer Vision, Data Analytics, Security, Privacy, Forensics and Threat Intelligence.

She is the Principal Co- Investigator of the Cyber Security and Data Analytics Centre sponsored by ISEA Project, MEITY, GOI.

She has executed several projects for Defence labs, Govt & private organisations.

Dr. A. S. N. Chakravarthy



Dr. A. S. N. Chakravarthy, Professor & Head, Dept. of CSE, University College of Engineering Vizianagaram.

ATAL FACULTY DEVELOPMENT PROGRAMME ON CYBER SECURITY

Dr. Ravi Kiran Varma Penmatsa.



Dr. Ravi Kiran Varma Penmatsa

Associate Professor and HOD, CSE, Maharaj Vijayaram Gajapatji Raj (MVGR) College of Engineering(Autonomous), Vizianagaram, Andhra Pradesh, India.

Wipro Mission 10X Advanced Certified Faculty and Practitioner, Certified EC-Council Instructor, Cisco Certified Network Associate (Switching and Routing), Certified Ethical Hacker, CCNA Instructor, Cisco Networking Academy Contact.

Mr. K. Anand



Mr. K. Anand, CEO, Star Computers, Visakhapatnam
Certified EC –Council Instructor, PMP.

He is having around 25+ years of Industry experience in the areas of Data Center Services hosting services Networking, Cloud Computing, IoT, Security, Servers and security administration & currently supporting as Training & Consulting. His works mainly focus on conducting corporate training as well as system administration training in several areas.

Dr. A.V. Praveen Krishna



Dr. Praveen Krishna
Professor, Dept. of CSE, KL University, Guntur



Dr. L. Sumalatha, Professor, Dept of CSE, JNTUK,
Director of Evaluation, JNTUK

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Dr. Durgesh Kumar Mishra



Dr. Durgesh Kumar Mishra, Professor of CSE and Director, Aurobindo Institute of Technology, Indore, Madhya Pradesh.

Dr. Nikhil Marriwala



Dr. Nikhil Marriwala
Professor & Head, Dept. of ECE,
University Institute of Engg. and Technology,
Kurukshetra University

Dr. M.Sreenivasa Kumar.



Designation: Principal and Professor in Mechanical Engineering
TEACHING SKILLS: CAD-CAM, C, Java programming Computer Graphics
Machine/Computer Vision Robotics, Machine Design, Digital Image Processing,
Engineering Mechanics, Finite Element, Analysis, Advanced Manufacturing Process
Machine Drawing Tool Design Auto-CAD, Edge-CAM, Solid Edge , Trainer in
Stress Management.

ATAL FACULTY DEVELOPMENT PROGRAMME ON CYBER SECURITY

Schedule for

ATAL Faculty Development Programme (FDP) on Cyber Security

Time /	10:00 AM to 11:30 AM	11:30 AM to 11:40 AM	11:40 AM to 01:10 PM	01:10 PM to 02:00 PM	2:00 PM to 3:30 PM
08/02/2021	Inauguration, Introduction to Network Security Reconnaissance: Kali Linux installation, Foot Printing and port scanning, Website content grabbing. (Practical Demonstration)	Tea Break	Web Security Part - 1: Phishing, Command Injection, SQL Injection, XSS (Practical Demonstration)	Lunch Break	Reconnaissance 1 - Dns Scanning, Port Scanning. (Practical Demonstration)
	Dr. V. Valli Kumari, Professor, Dept. of CS&SE, Andhra University		Dr. V. Valli Kumari, Professor, Dept. of CS&SE, Andhra University		Dr. A. S. N. Chakravarthy, Professor & Head, Dept. of CSE, University College of Engineering Vizianagaram
09/02/2021	Enumeration and vulnerability Scanning using Nessus (Practical Demonstration)	Tea Break	Enumeration and vulnerability Scanning using Nessus (Practical Demonstration)	Lunch Break	System Hacking Part 1 Introduction to Metasploit
	Dr. Ravi Kiran Varma P, Assoc. Prof & Head, MVGR College of Engineering, Vizianagaram		Dr. Ravi Kiran Varma P, Assoc. Prof & Head MVGR College of Engineering, Vizianagaram		Dr. P. Ravi Kiran Varma Assoc. Prof & Head MVGR College of Engineering, Vizianagaram
10/02/2021	Metasploit Advanced attacks (Practical Demonstration)	Tea Break	Wireless Attacks/Mobile Attacks, Buffer Overflow, Automated Web Attacks (Practical Demonstration)	Lunch Break	Web Application Security- Sql Injection, Session Hijacking, Cross Site Scripting
	Mr. K. Anand, Certified EC – Council Instructor, PMP, CEO, Star Computers, Visakhapatnam,		Mr. K. Anand, Certified EC – Council Instructor, PMP, CEO, Star Computers, Visakhapatnam,		Mr. K. Anand, Certified EC – Council Instructor, PMP, CEO, Star Computers, Visakhapatnam,

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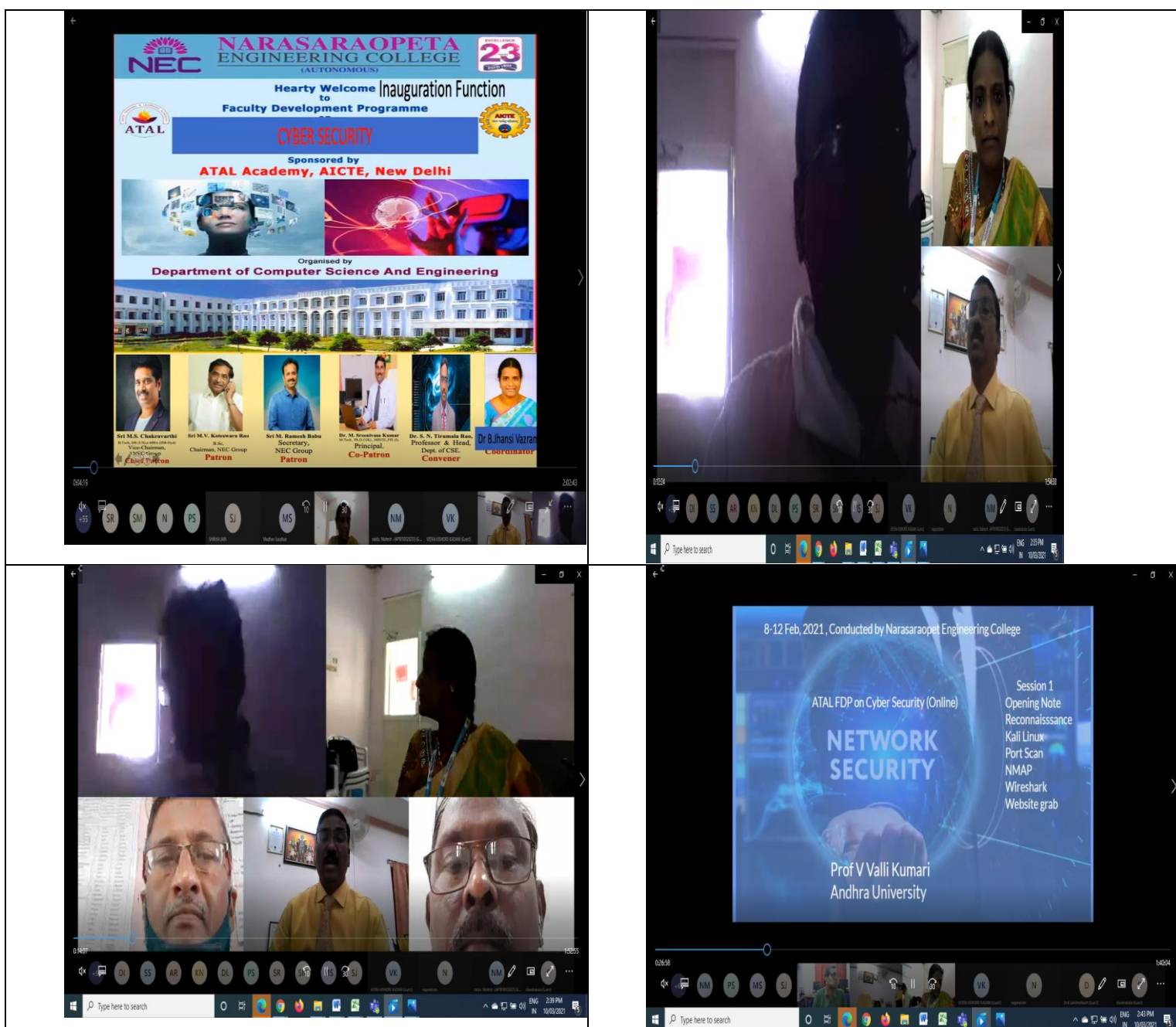
11/02/2021	Applications of Cyber Security Mechanisms	Tea Break	Cyber Security Using Deep Learning: Fundamentals and Applications	Lunch Break	Secure Multi-Party Computation Techniques
	Dr. Praveen Krishna Professor, Dept. of CSE, KL University, Guntur		Dr. Sumalatha, Professor, Dept of CSE, JNTUK, Director of Evaluation, JNTUK		Dr. Durgesh Kumar Mishra Professor of CSE and Director, Aurobindo Institute of Technology, Indore, Madhya Pradesh,
12/02/2021	Cloud Security, Forensics	Tea Break	Stress Management Session	Lunch Break	Valediction Function, Feedback and Test Session
	Rahul Thakur Maitrish Ghosh R&D Team, Anvira Edustation		Dr M.Sreenivasa Kumar Principal and Professor, NEC		

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The inauguration was held on 8th February, 2021, in online mode at 10:00 am. Chief Guest of the program was Prof. M.Sreenivasa Kumar, Principal, NEC, Guest of Honour of the function were Prof. S.N.Tirumal Rao Head, Dept. of CSE and Dr. V. Valli Kumari, Professor of CSSE, Andhra University, Visakhapatnam and Coordinator chaired the function. Also, Heads, Dean of academics, all professors, Associate Professors and Asst Professors of NEC and Participants from different Engineering Colleges of pan India were also attended.

Principal, Dr M.Sreenivasa Kumar addressed the participants about online FDP and various initiatives taken by Narasaraopeta Engineering College(Autonomous), Prof S.N.Tirumal Rao talked about CSE Department Roles and Responsibility in our college. Dr. B. Jhansi Vazram Bolla, Coordinator, proposed the Vote of Thanks.

Some screenshots of the inaugural function are as below.



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The list of Approved participants are:

S.No.	Name of the Participant	Institute	Mobile No.	Mail Id	State
1	Mr. SHAIK JILANI BASHA	PACE INSTITUTE OF TECHNOLOGY AND SCIENCES	9493358621	jilani_sk@pace.ac.in	ANDHRA PRADESH
2	Dr. SIVA NAGESWARA RAO S	Narasaraopeta engineering college	9700028028	sivanag58@gmail.com	ANDHRA PRADESH
3	Mr. PRADEEP VENUTHURUMILLI	St.Mary's womens Engineering college	984250840	pradeepvenuthuru@gmail.com	ANDHRA PRADESH
4	Dr. Lakkireddy Venkateswara Reddy	Sree Vidyanikethan Engineering College	8309606460	lvreddy@vidyanikethan.edu	ANDHRA PRADESH
5	Dr. Gudapati Syam Prasad	narasaraopet engineering college	9989834447	syamprasad.gudapati@gmail.com	ANDHRA PRADESH
6	Dr. Manoj Ashok Wakchaure	Amrutvahini College of Engineering	9860383865	manoj.wakchaure@avcoe.org	MAHARASHTRA
7	Mrs. Kasichainula vydehi	Aditya engineering college	8790112092	vydehik9@gmail.com	ANDHRA PRADESH
8	Dr. V.V.A.S.LAKSHMI	NARASARAOPETA INSTITUTE OF TECHNOLOGY	9849122798	vvaslakshmi@gmail.com	ANDHRA PRADESH
9	Mrs. ANNAMA RAJU THANUJA	NARASARAOPETA ENGINEERING COLLEGE	9014978350	a.thanuja18@gmail.com	ANDHRA PRADESH
10	Mr. P.LakshmiNarayana	Narsaraopet Engineering College	9959820921	lakshmi.778@gmail.com	ANDHRA PRADESH
11	Mrs. PUNYALA RAMADEVI	Narasaraopeta engineering college	7288975904	devi.punyala@gmail.com	ANDHRA PRADESH
12	Mr. Yallamati Suresh	NARASARAO PETE ENGINEERING COLLEGE	9704891100	sureshyallamati@gmail.com	ANDHRA PRADESH
13	Mr. B VENKATA SURESH REDDY	Narasaraopeta Engineering College	9866726291	boddu.lkv@gmail.com	ANDHRA PRADESH
14	Mr. BATTULA SIVA KANAKA RAJU	NAASAAOPETA ENGINEERING COLLEGE	7075828425	skraju.battula@gmail.com	ANDHRA PRADESH
15	Mr. SRIRAM PARABRAHMAC HARI	NARASARAOPETA ENGINEERING COLLEGE	9849464754	chariindian@gmail.com	ANDHRA PRADESH
16		NARASARAOPETA ENGINEERING COLLEGE(AUTONOMOUS)			
	Mr. SHAIK RAFI		9652026598	shaikrafirt@gmail.com	ANDHRA PRADESH

ATAL FACULTY DEVELOPMENT PROGRAMME ON CYBER SECURITY

17	Mr. Vamshi Krishna K	NARASARAOPET ENGINEERING COLLEGE	814358 0182	kvkr208@gmail.com	ANDHRA PRADESH
18	Miss priyankabezawada	narasaraopet engineering college	967634 3513	priyankabejawada988@gmail.com	ANDHRA PRADESH
19	Mrs. Sameerunnisa Shaik	Narasaraopeta Engineering College	970078 6783	sameerask.25@gmail.com	ANDHRA PRADESH
20	Mrs. Shammi Shaik	Narasaraopeta Engineering College	995985 2695	shammishaik112@gmail.com	ANDHRA PRADESH
21	Mrs. CH.HEPHZIBAH	Tellakula Jalayya Polisetty Somasundaram College	998959 2520	c.hepsiba@gmail.com	ANDHRA PRADESH
22	Mrs. REETIKA KERKETTA	MIT SCHOOL OF ENGINEERING PUNE	982619 4942	reetika.kerketta@mituniversity.edu.in	MAHARASHTRA
23	Mr. chennupati sravan	TELLAKULA JALAYYA POLISETTY SOMASUNDARAM COLLEGE	897815 2724	csind31@gmail.com	ANDHRA PRADESH
24	Mrs. KANATHAM SUNEETHA	TELLAKULA JALAYYA POLISETTY SOMASUNDARAM COLLEGE	994881 1866	sunitha680.poluri@gmail.com	ANDHRA PRADESH
25	Mrs. MUKKAMALA SUBHASHINI	TELLAKULA JALAYYA POLISETTY SOMASUNDARAM COLLEGE	915449 2504	subhashini1008@gmail.com	ANDHRA PRADESH
26	Mrs. LAMBU PADMAVATHI	TELLAKULA JALAYYA POLISETTY SOMASUNDARAM COLLEGE	944097 8284	padma.16pari@gmail.com	ANDHRA PRADESH
27	Mr. CHANDRA SEKHAR RAO CHEEMAKURTHY	Tellakula Jalayya Polisetty Somasundaram College	903088 2428	chandrasekhar960@gmail.com	ANDHRA PRADESH
28	Mr. CHUKKA SAMSONU	KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY	998970 5211	chukka.sridevi@gmail.com	ANDHRA PRADESH
29	Mr. CHAPPA VINODH	Chaitanya engineering college	850031 3327	chappavinodh@gmail.com	ANDHRA PRADESH
30	Mr. ONARINDE JOHN BABATUNDE	Ikeja Electric	803323 4225	JOnarinde@ikejaelectric.com	ANDHRA PRADESH
31	Mr. Annaladasu Deva Prema Swaroop	Tellakula Jalayya Polisetty Somasundaram College	944024 1323	adpswaroop@gmail.com	ANDHRA PRADESH
32	Dr. LAKSHMINADH	NARASARAOPETA ENGINEERING COLLEGE	994821 2526	proflakshminadh@gmail.com	ANDHRA PRADESH
33	Dr. Dola Gobinda Padhan	Gokaraju Rangaraju Institute of Engineering and Technology	898595 7211	dgobinda@gmail.com	TELANGANA

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34	Mr. Byra PardhaSaradhi		814219 8791		ANDHRA PRADESH
35	Dr. D.V. Chandra Shekar	TELLAKULA JALAYYA POLISETTY SOMASUNDARAM COLLEGE	944045 4033	chand.info@gmail. com	ANDHRA PRADESH
36	Mr. Naidu Mahesh	SRM University	733703 2398	naidu.mahesh221 @gmail.com	ANDHRA PRADESH
37	Mr. SHAIK KHAJA MOHIDDIN BASHA	NARASARAOPETA ENGINEERING COLLEGE	809639 9752	sk.basha579@yah oo.com	ANDHRA PRADESH
38	Mr. MAHESH BABU VUNDAVALLI	NARASARAOPETA ENGINEERING COLLEGE	944018 3225	mailformrx@gmail .com	ANDHRA PRADESH
39	Dr. S V N SREENIVASU	NARASARAOPETA ENGINEERING COLLEGE	949064 3880	svvsarma@gmail.c om	ANDHRA PRADESH
40	Mrs. Anusha Apparaju	JNTUH COLLEGE OF ENGINEERING JAGTIAL	765904 9303	anufmjntu@gmail .com	TELANGANA
41	Mr. NIMMAGADDA HEMANTH KUMAR	A.A.N.M&V.V.R.S.R POLYTECHNIC	738202 5559	csehemanthkumar @gmail.com	ANDHRA PRADESH
42	Miss Kanuri Bhargavi	Gudlalleru Engineering College	949175 6349	bhargavikanuri9@ gmail.com	ANDHRA PRADESH
43	Mrs. Anu V Jacob	Ilahia College of Engineering & Technology	949615 5979	anuvjacob@gmail. com	KERALA
44	Mr. Kuldeep Kumar Kushwaha	Lovely professional University	991533 6438	kuldeep.17118@lp u.co.in	PUNJAB
45	Miss M SIVA RAMYA KRISHNA	PSCMRCET	986660 2836	ramyameesala.3@ gmail.com	ANDHRA PRADESH
46	Mr. Krishna Mohan Pandey	DVSIET	945680 5993	krish.mp81@gmail .com	UTTAR PRADESH
47	Mr. V NARAHARI	ANANTHA LAKSHMI INSTITUTE OF TECHNOLOGY & SCIENCES	880111 0569	narahariv.alts@gm ail.com	ANDHRA PRADESH
48	Mr. KANAGASABAPA THI K	Dr.Mahalingam College of Engineering and Technology	975007 9559	sabapathi@drmce t.ac.in	TAMIL NADU
49	Mrs. Sireesha Moturi	Narasaraopeta Engineering College	949366 8068	sireeshamoturi@g mail.com	ANDHRA PRADESH
50	Dr. GOVARDHANAR AO INAMPUDI	UNIVERSITY COLLEGE OF ENGINEERING	970469 8876	igrao10@gmail.co m	TELANGANA
51	Mrs. Priyanka Gupta	ZCOER	995801 0575	gpriya.1706@gmai l.com	MAHARASHT RA
52	Mrs. CHERUKURI KRISHNAVENI	VIGNAN DEGREE AND PG COLLEGE	991289 2942	veninagesh9@gma il.com	ANDHRA PRADESH
53	Dr. S.Ooha	Sree venkateswara college of pharmacy	970354 0280	smilyooha@gmail. com	ANDHRA PRADESH

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54	Dr. Suresh Subramanian	Sri indu institute of engineering & Tech	989451 4513	write2sureshs@gmail.com	TELANGANA
55	Miss DIKSHA SHARMA	LR GROUP OF INSTITUTE SOLAN HIMACCHAL PRADESH	988242 9155	dikshasharma1206@gmail.com	HIMACHAL PRADESH
56	Mr. Sushil Kumar Thapa	Govt. Polytechnic Sahiya	875594 2141	sushilthapaofficial@gmail.com	UTTARAKHAND
57	Miss Valupadasu Srivani	St.Pious X Degree & PG College for Women	852090 6263	valupadasusree@gmail.com	TELANGANA
58	Dr. Asmita Yadav	ABESEC, Ghaziabad	798257 2942	asmita.yadav@abes.ac.in	UTTAR PRADESH
59	Mr. Prasanna Samuel .Z	Asirvathzion Infotech	638297 4159	zionsam21@gmail.com	TAMIL NADU
60	Mr. D Sai Kumar	Osmania University	910086 4744	saikumar.crypto@osmania.ac.in	TELANGANA
61	Dr. DARURI VENUGOPAL	OPJS UNIVERSITY	770205 1911	principalsig@gmail.com	TELANGANA
62	Mrs. MADHURI NAMBALLA	GITAM	888616 0866	madhuri.namballa@gmail.com	ANDHRA PRADESH
63	Dr. SANAM NAGENDRAM	K L E F	817981 1623	reena1286@gmail.com	ANDHRA PRADESH
64	Mr. Makkena Naresh Choudary	Sphoorthy Engineering College	996600 2255	nareshchoudary@sphoorthyengg.ac.in	TELANGANA
65	Mr. Anit Kumar Ghosal	Ramkrishna Mahato Govt Eng College	903849 9213	anit.ghosal@gmail.com	WEST BENGAL
66	Miss Prema Desai	skncoe pune	942040 5277	premaresaikadam@gmail.com	MAHARASHTRA
67	Mr. CHETAN KUMAR	BANGALORE INSTITUTE OF TECHNOLOGY	798707 4605	singhchetan109@gmail.com	BIHAR
68	Mr. ANNAPAREDDY V N REDDY	Lakireddy Bali Reddy College of Engineering	817969 2311	nrnagarjunareddy@gmail.com	ANDHRA PRADESH
69	Mr. Rama Krishna Raju Chekuri	Swarnandhra College of Engineering and Technology	900026 6299	rajuchekuri29@gmail.com	ANDHRA PRADESH
70	Dr. T RAGHUNADHA REDDY	MATRUSRI ENGINEERING COLLEGE	949319 5363	raghu.sas@gmail.com	TELANGANA
71	Mr. Pradeep Kumar D	Ramaiah institute of technology	988635 8659	pradeepkumard@msrit.edu	KARNATAKA
72	Mr. PAVAN WAMAN GEDAM	VJTI MUMBAI	797794 7402	pwgedam@ce.vjti.ac.in	MAHARASHTRA
73	Mr. PAVANKUMAR KRISHNARDHULA	RAGHU ENGINEERING COLLEGE	630458 5762	pavankumar.k@raghuenggcollege.in	ANDHRA PRADESH
74	Mrs. GEETHA V	RV COLLEGE OF ENGINEERING	988610 4374	geethavenkatesh21@gmail.com	KARNATAKA
75	Mr. KRISHNA KISHORE THOTA	St.ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY, CHIRALA	988540 6051	thota.krishnakishore@gmail.com	ANDHRA PRADESH

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76	Dr. Ravikiran K	Malla Reddy College of Engineering and Technology	900089 6563	ravi.10541@gmail.com	TELANGANA
77	Mr. Eswar Patnala	UNIVERSITY COLLEGE OF ENGINEERING VIZIANAGARAM - JNTUK	770242 4143	eswarpatnala.it@jntukucev.ac.in	ANDHRA PRADESH
78	Mrs. P LATHA	MBTS Government Polytechnic, GUNTUR	924728 9868	patibandlalatha1980@gmail.com	ANDHRA PRADESH
79	Mrs. Neeraja Pannem	MBTS Government Polytechnic	880188 2101	neeraja.pannem@gmail.com	ANDHRA PRADESH
80	Mrs. Swathiy	Tirumala engineering college	949078 6883	swathiyalavarthy@gmail.com	ANDHRA PRADESH
81	Mr. Amrit Raj	Galgotias university	799241 8854	amritraj825@gmail.com	BIHAR
82	Mrs. KEERTHIKAA N	Vivekanandha Educational institutions	968816 7247	keerthini10@gmail.com	TAMIL NADU
83	Mr. V PRAVEEN KUMAR BEJAGAM	USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY	916092 3988	bejagam.praveenkumar@gmail.com	ANDHRA PRADESH
84	Mrs. KANUMURI RATNA KUMARI	Shri Vishnu Engineering College for Women	965220 2329	kratnacse@svecw.edu.in	ANDHRA PRADESH
85	Miss Shikha	Galgotias University	790671 5249	baghel13579@gmail.com	UTTAR PRADESH
86	Mr. Divvela Srinivasa Rao	Lakireddy Bali Reddy College of engineering	949270 4500	srinumtechcse2007@gmail.com	ANDHRA PRADESH
87	Mr. Apparao P	Government Degree college	990878 9020	apparao.pasi@gmail.com	ANDHRA PRADESH
88	Miss Lavanya Thota	University College of Engineering JNTUK Narasaraopet	630264 7703	thota.lavanya22@gmail.com	ANDHRA PRADESH
89	Dr. Ravi Kiran Varma P	Maharaj Vijayaram Gajapathi Raj College of Engineering (Autonomous)	949446 4651	ravikiranvarmap@gmail.com	ANDHRA PRADESH
90	Dr. SK ALTHAF HUSSAIN BASHA	Chalapathi Institute of Engineering and Technology , Guntur	739679 8054	althafbashacse@gmail.com	ANDHRA PRADESH
91	Mr. VENKATA PAVAN KUMAR SAVALA	Jjtu	863959 8887	venkatapavanikumarsavala@gmail.com	ANDHRA PRADESH
92	Mr. MANISH KUMAR SAHU	RKDF UNIVERSITY BHOPAL	982726 5195	manishsahu777@gmail.com	MADHYA PRADESH
93	Mrs. S.Kavitha	Koneru Lakshmaiah Educational Foundation	998975 9343	kavithabtech05@gmail.com	ANDHRA PRADESH
94	Mr. Madhav B Suratkar	DES's Bangurnagar Arts, Science & Commerce College, Dandeli	900891 2843	madhavbndc@gmail.com	KARNATAKA
95	Mrs. SHIKHA JAIN	DES's BANGURNAGAR ART, SCIENCE AND COMMERCE COLLEGE,	725954 3603	jainshikha35@gmail.com	KARNATAKA

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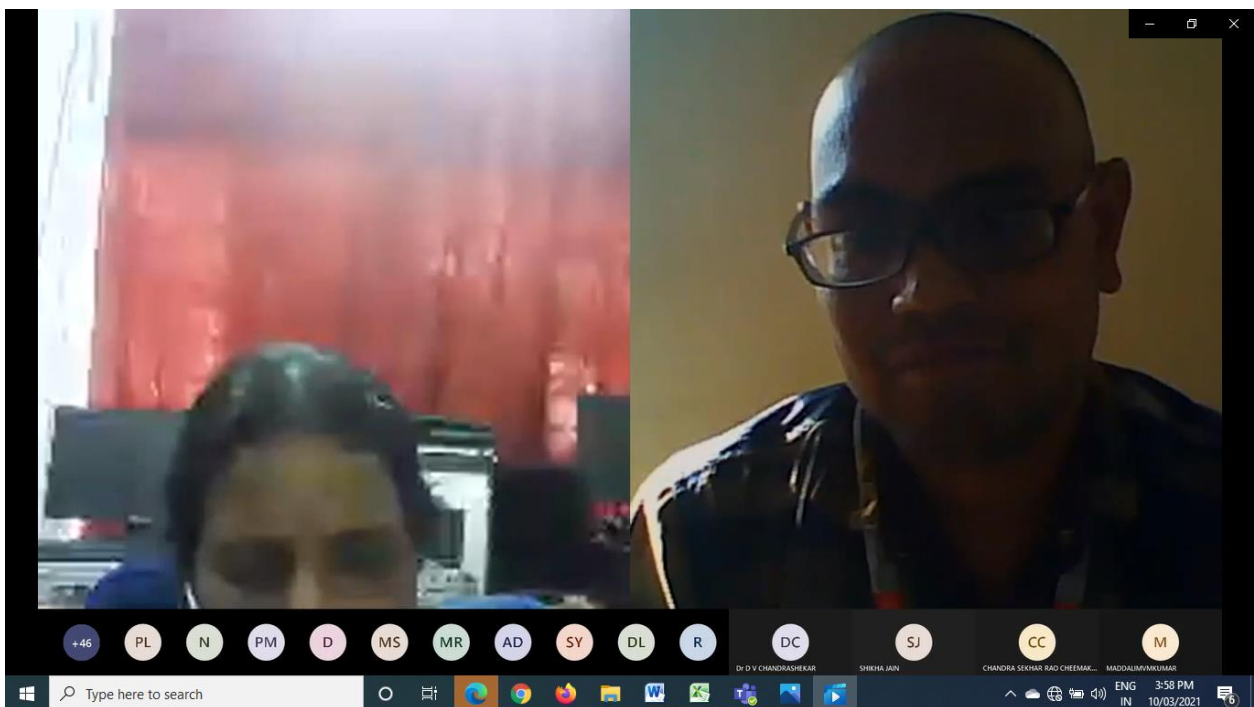
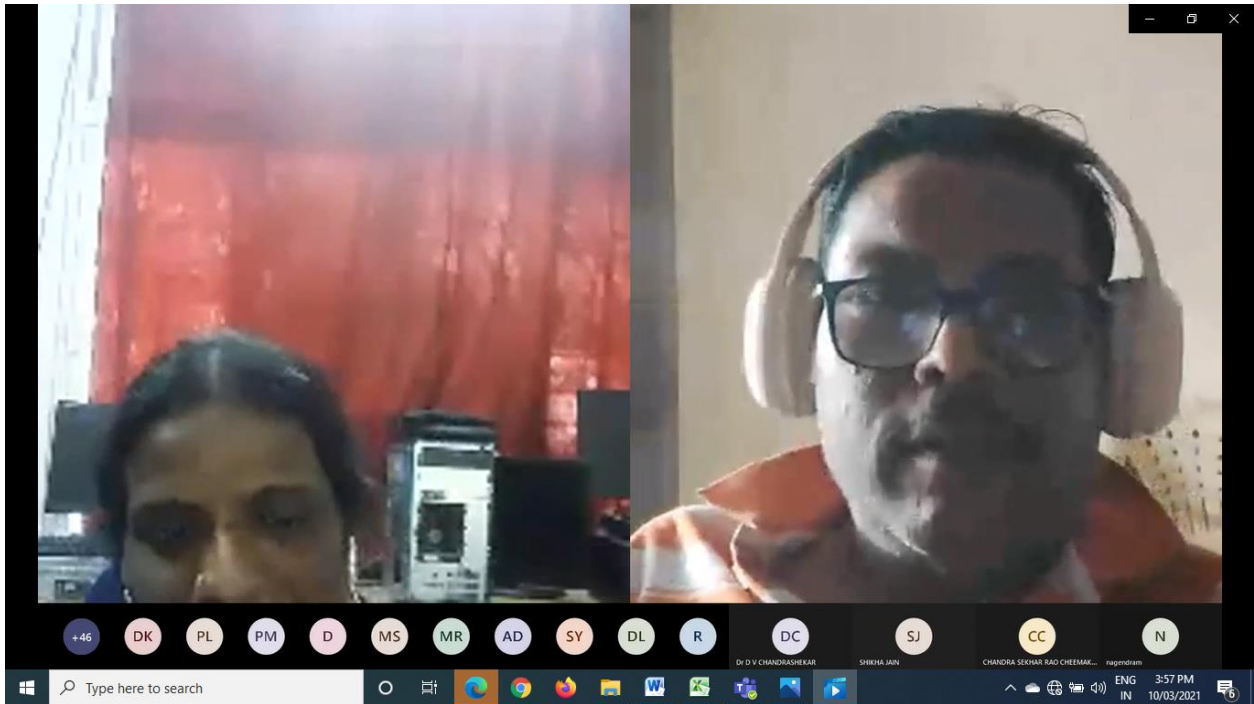
			DANDELI			
96	Mr. M V M KUMAR MADDALI	ST ANNS COLLEGE OF ENGINEERING AND TECHNOLOGY	988572 5705	mvmkumar.mtech@gmail.com	ANDHRA PRADESH	
97	Mrs. PJYOTHI	PACE INSTITUTE OF TECHNOLOGY AND SCIENCES	911869 3693	mjyothi2025@gmail.com	ANDHRA PRADESH	
98	Mr. Kamal Narayan Budholia	Government Polytechnic College Sironj	808524 6484	budholia.budholia@gmail.com	MADHYA PRADESH	
99	Mrs. Chandrakala G Raju	BMS college of engineering	997227 7066	chandrakalagaju.ise@bmsce.ac.in	KARNATAKA	
100	Mrs. Rashmi Sameer Deshpande	Dr.D.Y.Patil Institute of Engineering, Management and Research Akudi, Pune	942232 5572	rashmi.deshpande19@gmail.com	MAHARASHTRA	
101	Miss Kamaljeet Kaur	Sant Darbara Singh college for women	946522 8376	kamalgholia002@gmail.com	PUNJAB	
102	Miss Deepali Jawale	DYPIEMR	956138 1703	deepalij52@gmail.com	MAHARASHTRA	
103	Dr. B.VEERAMALLU	TKR college of engineering and technology	701377 6796	bvmallu@gmail.com	TELANGANA	
104	Miss Shreya Roy	Tripura University	897474 7675	royshreya654@gmail.com	TRIPURA	
105	Miss Arpita Das	Tripura University	977470 3704	arpita.wpc@gmail.com	TRIPURA	
106	Dr. R V V S V PRASAD	Swarnandhra College of Engineering & Technology	949158 4599	ramayanam.prasad@gmail.com	ANDHRA PRADESH	
107	Mrs. Lakshmi Naga Jayaprada Gavarraju	Narasaraopeta Engineering College	949354 4921	gjayaprada74@gmail.com	ANDHRA PRADESH	
108	Mr. Rajesh Barige	Prasad V. Potluri Siddhartha Institute of Technology	944060 9711	barigerajesh@gmail.com	ANDHRA PRADESH	
109	Mrs. Mamatha Ram	B M S College of Engineering	988614 5669	krm.ise@bmsce.ac.in	KARNATAKA	
110	Mr. PRAVEEN SHUKLA	GOVT. POLYTECHNIC COLLEGE SIRONJ	810928 3101	praveenshukla805@gmail.com	MADHYA PRADESH	
111	Mr. CHINNALA BALAKRISHNA	Gurunanak Institute of Technology, Hyderabad	970353 7403	balu5804@gmail.com	TELANGANA	
112	Mrs. G.JAYANTHI	Parisutham Institute of Technology and Science	995257 4900	jayanthi070584@gmail.com	TAMIL NADU	
113	Miss U.SIVARANJANI	Parisutham Institute of Technology and Science	701071 2682	usivaranjanisiva@gmail.com	TAMIL NADU	
114	Mr. VEERA KISHORE KADAM	SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY	809992 8263	kvk.rvriet@gmail.com	TELANGANA	
115	Mr. Santosh	Trinity Institute of	767837	santosh.trinit	DELHI	

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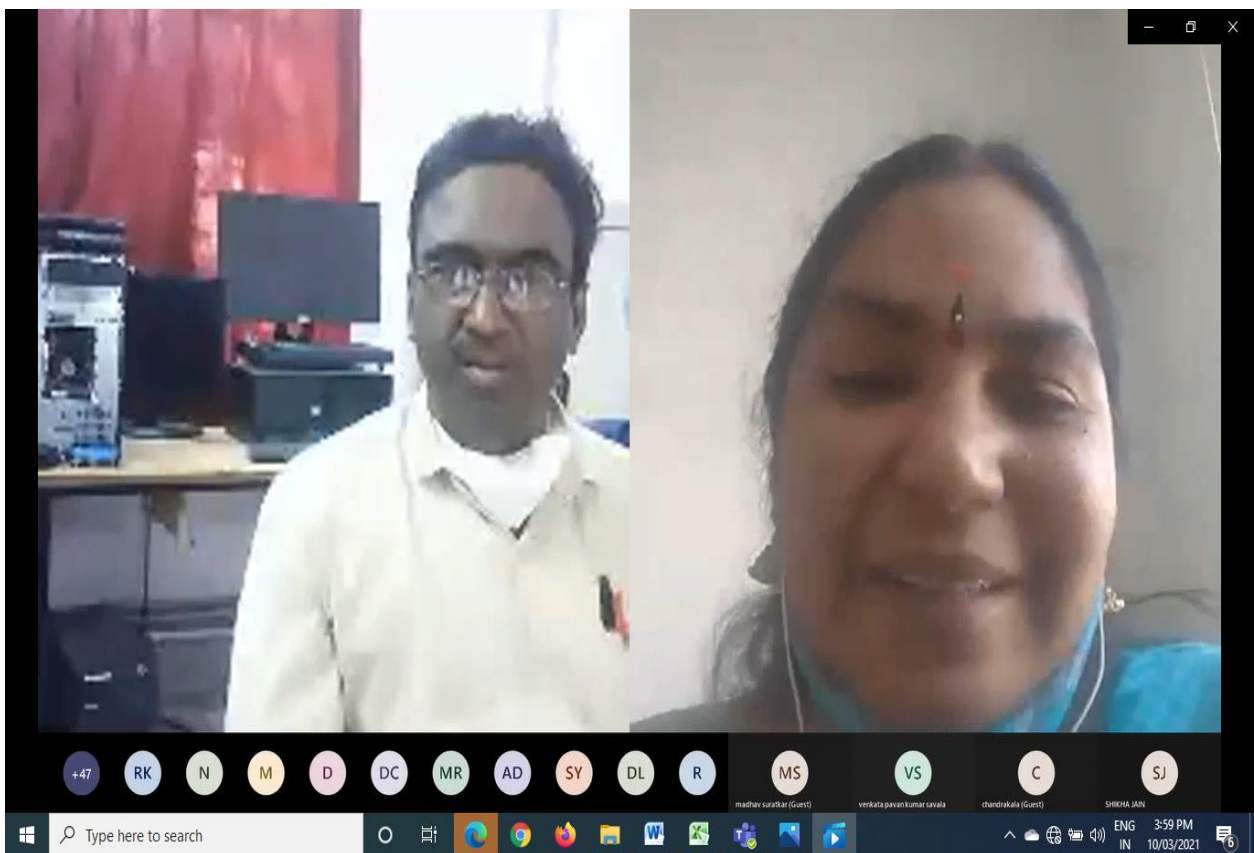
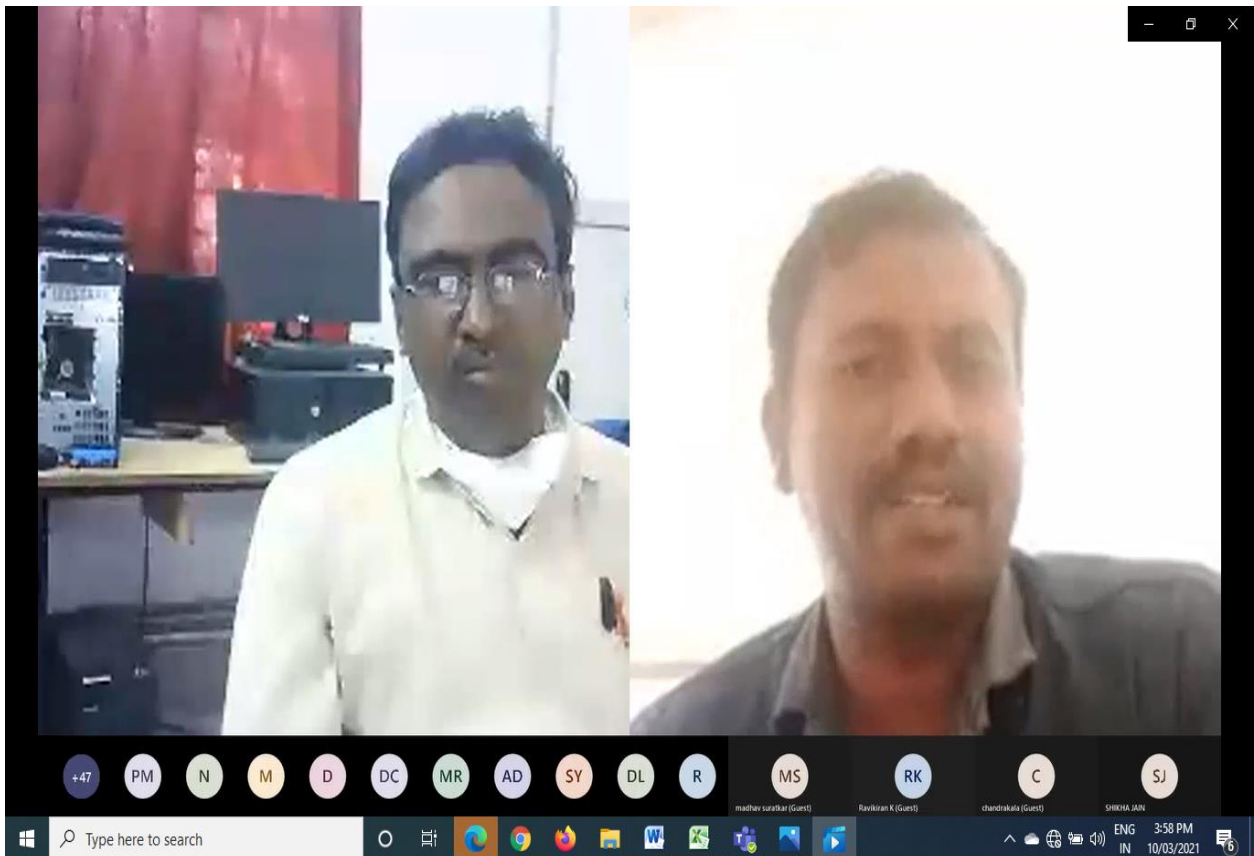
		Kumar Singh	Professional Studies	9924	y17@gmail.com	
	116	Miss SOFIYA JENIFER	Parisutham Institute of Technology and Science	9345851102	sofiyajenifer09@gmail.com	TAMIL NADU
	117	Mrs. Sowjanya Vuddanti	PSCMR College of Engineering and Technology	8074624440	sowjanyaav@pscmr.ac.in	ANDHRA PRADESH
	118	Miss PAMARTHI DHANASRI	St.Mary's Womens Engineering College	9133176382	pamarthidhanasri99@gmail.com	ANDHRA PRADESH
	119	Mrs. A.Sujatha Priyadharshini	Parisutham Institute of Technology and Science	9360729031	Sujatharsaice@gmail.com	TAMIL NADU
	120	Miss Rajeshwari K	BMS college of engineering	9738475582	rajeshwarik.ise@bmsce.ac.in	KARNATAKA
	121	Mrs. Pasula Mamatha	Sri indu college of engineering and technology	8897472572	mamathadokuri@gmail.com	TELANGANA
	122	Dr. W. Sridhar	Koneru Lakshmaiah Education Foundation	9441051978	sridharwuriti@gmail.com	ANDHRA PRADESH
	123	Mrs. logeshwari	JKKMUNIRAJAH COLLEGE OF TECHNOLOGY	6374734226	logeshwarip@jkkmcet.edu.in	TAMIL NADU
	124	Mrs. Ratnakala	Faculty of engineering and technology exclusively for women	9886276674	ratnaspatil02@gmail.com	KARNATAKA

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The screenshots of the participants taken on the closing ceremony are:-



ATAL FACULTY DEVELOPMENT PROGRAMME ON CYBER SECURITY



Press Reports clippings :

ఎన్ఐసిలో ముగిసిన శిక్షణా తరగతులు

నరసరావుపేట, ఫిబ్రవరి 13 ప్రభాతవార్త :

నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగం, ఆఖిలభారత సాంకేతిక విద్య పాలక సంస్థ ఆర్థిక సహకారంతో నిర్వహిస్తున్న ఐదు రోజుల అధ్యాపకుల శిక్షణా తరగతులు శనివారంతో ముగిసాయి. కళాశాల వైస్ చైర్మన్ మిట్టపల్లి చక్రవర్తి మాట్లాడుతూ

శిక్షణా తరగతులకు ఆర్థిక సహకారం అందించిన ఆఖిలభారత సాంకేతిక విద్యపాలక సంస్థకు కృతజ్ఞతలు తెలిపారు. సైబర్ సెక్యూరిటీలో ఉపయోగించే వివిధ రకాల అప్లికేషన్స్ను ప్రయోగపూర్వకంగా అధ్యాపకులకు చూపించారు. దీని వలన ఉద్యోగ అవకాశాలు ఎక్కువగా పెరుగుతాయన్నారు. అదే విధంగా ఒత్తిడి తగ్గించుకునేందుకు ప్రతిరోజు యోగా చేయాలని సూచించారు. ఈ కార్యక్రమంలో కె.ఆనంద్, రూస్సీతో పాటు 16 రాష్ట్రాల నుండి అధ్యాపకులు హాజరయ్యారు.



Sun, 14 February 2021

<https://epaper.vaartha.com/c/58968823>



ముగిసిన శిక్షణా తరగతులు



వర్చువల్ శిక్షణా తరగతుల్లో పాల్గొన్న కళాశాల ప్రెన్సిపాల్ తదితరులు

నరసరావుపేట, ఫిబ్రవరి 13 (ప్రభ న్యూస్): స్థానిక నరసరావుపేట ఇంజనీరింగ్ కళాశాలలో కంప్యూటర్ సైన్స్ అండ్ ఇంజనీరింగ్ విభాగంలో అటల్ అకాడమి, అఖిల భారత సాంకేతిక విద్య పాలక సంస్థ వారి ఆర్థిక సహాయ సహకారాలతో సైబర్ సెక్యూరిటీపై 5 రోజుల ఇంజనీరింగ్ అధ్యాపక శిక్షణా తరగతులు శనివారంతో ముగిసినట్లు కళాశాల వైస్ చైర్మన్ మిట్టపల్లి చక్రవర్తి తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ శిక్షణా తరగతుల చివరి రోజు కార్యక్రమంలో ముఖ్య అతిథిగా కురుక్షేత్ర యూనివర్సిటీకి చెందిన డాక్టర్ నిఖిల్ పాల్గొని అధ్యాపకులకు డిజిటల్ అండ్ డేటా ఫారెన్సిక్స్ ద్వారా సైటర్ సెక్యూరిటీలో ఉపయోగించే వివిధ రకాల అప్లికేషన్స్ గురించి ప్రయోగపూర్వకంగా వివరించారు. ఎథిక్స్ అండ్ మోరల్ వాల్యూస్పై కళాశాల ప్రెన్సిపాల్ డాక్టర్ యం.శ్రీనివాసకుమార్ మాట్లాడుతూ విద్యార్థుల భవిష్యత్తుకు కావలసిన నాలెడ్జిని, ఎథిక్స్ను పాటించాలని, స్టైస్ను అధిగమించేందుకు యోగ ఒక ఆయుధమని, ప్రతి విద్యార్థి యోగా చేయాలని సూచించారు. ఈ కార్యక్రమంలో కళాశాల చైర్మన్ మిట్టపల్లి వెంకట కోటేశ్వరరావు, సెక్రటరీ మిట్టపల్లి రమేష్బాబు, వివిధ విభాగాల అధిపతులు పాల్గొన్నారు.

ఆంధ్రప్రభ

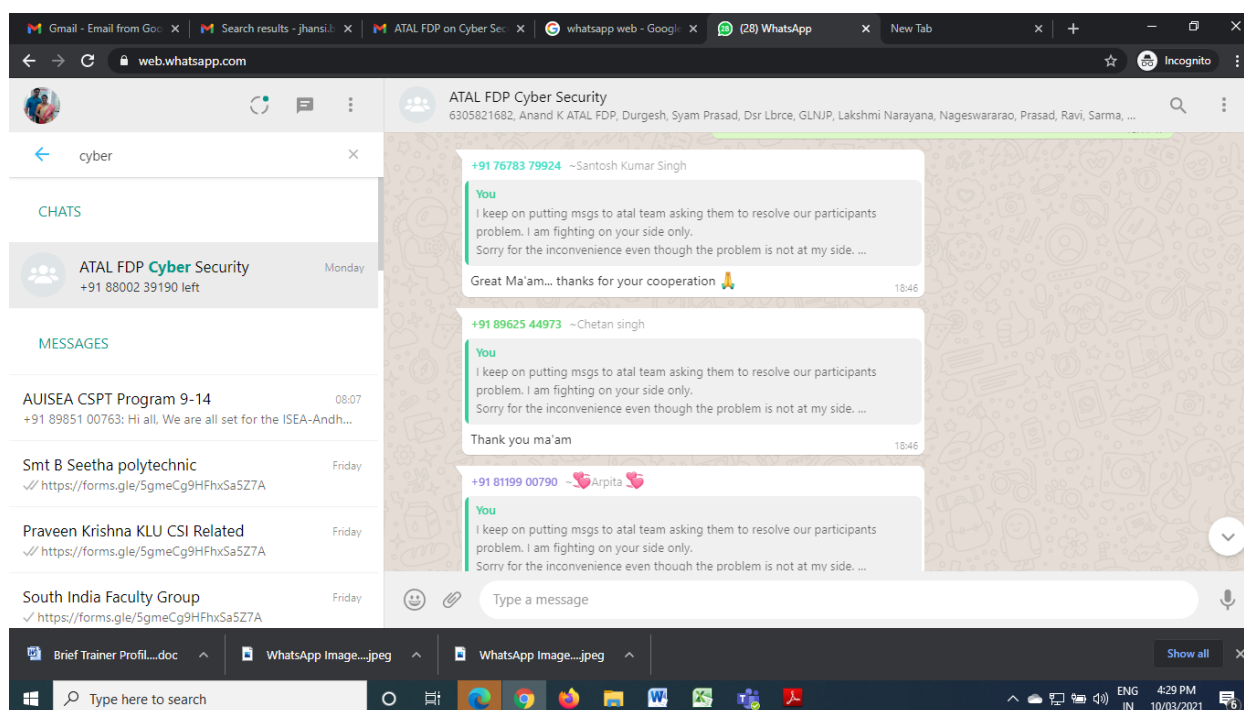
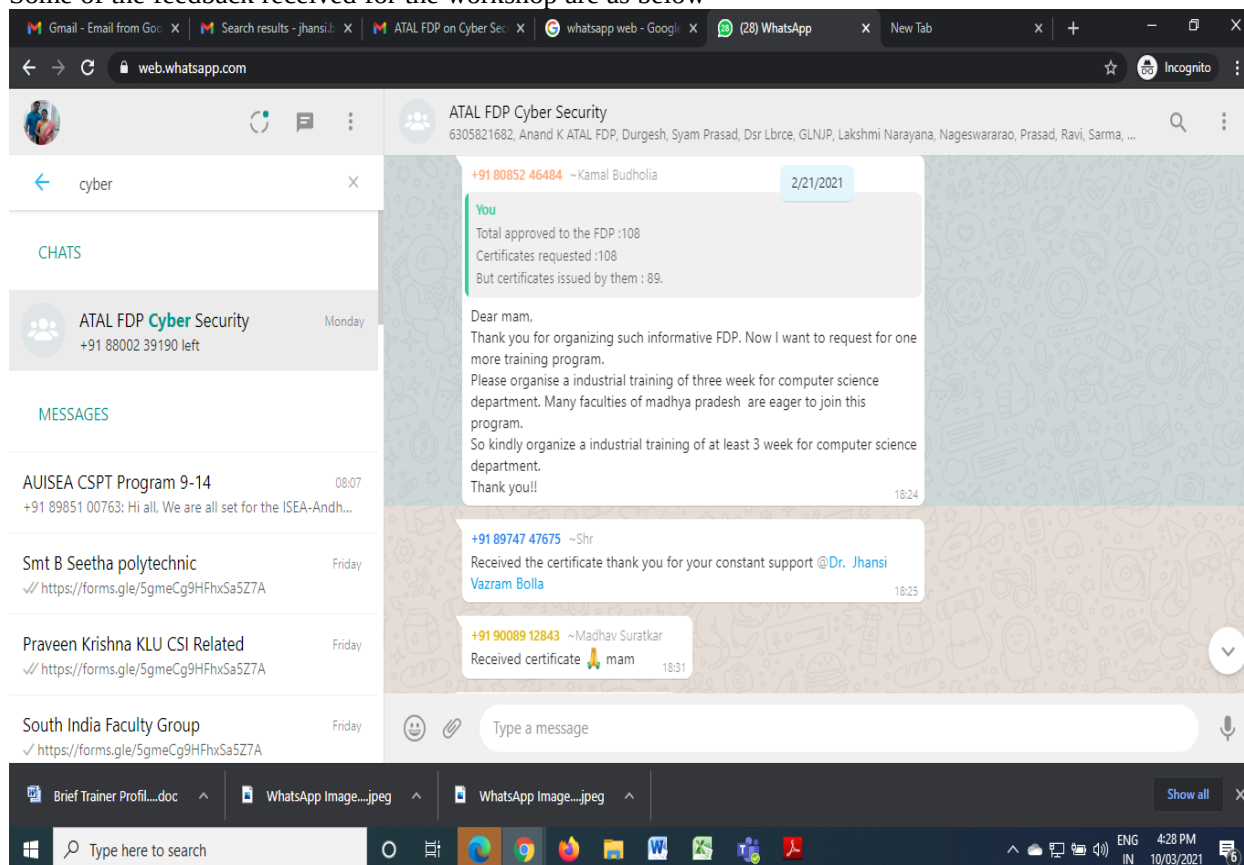
Sun, 14 February 2021

<https://epaper.prabhanews.com/c/58968965>



ATAL FACULTY DEVELOPMENT PROGRAMME ON CYBER SECURITY

Some of the feedback received for the workshop are as below



It was a great Initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity to conduct online FDP for faculty members 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.

Department of Computer Science and Engineering
AICTE ATAL Academy Sponsored Faculty Development Programme
On
CYBER SECURITY

(February 08, 2021- February 12, 2021)

Schedule and Recorded Video Links

Time /	10:00 AM to 11:30 AM	11:30 AM to 11:40 AM	11:40 AM to 01:10 PM	01:10 PM to 02:00 PM	2:00 PM to 3:30 PM
08/02/2021	Inauguration, Introduction to Network Security Reconnaissance: Kali Linux installation, Foot Printing and port scanning, Website content grabbing. (Practical Demonstration)	Tea Break	Web Security Part - 1: Phishing, Command Injection, SQL Injection, XSS (Practical Demonstration)	Lunch Break	Reconnaissance 1 - Dns Scanning, Port Scanning. (Practical Demonstration)
	Dr. V. Valli Kumari, Professor, Dept. of CS&SE, Andhra University https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrtec_in/EfjQ4CZ80eRDsh6wnZjCIKkBJsmFFwP7RVOSm1W_32p-WQ?e=qrhy48		Dr. V. Valli Kumari, Professor, Dept. of CS&SE, Andhra University https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrtec_in/ETc9jzUgLyhKpl7_jhbf-sSEB-LAJValr9Xlg7LKFSIY4bQ?e=Jhijsr		Dr. A. S. N. Chakravarthy, Professor & Head, Dept. of CSE, University College of Engineering Vizianagaram https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrtec_in/EXq3inXw_EpApnO_I7-3ACwBkpG3g5vn7X3tY9MiKIGo9w?e=OPITyT

09/02/2021	Enumeration and vulnerability Scanning using Nessus(Practical Demonstration)	Tea Break	Enumeration and vulnerability Scanning using Nessus(Practical Demonstration)	Lunch Break	System Hacking Part1 Introduction to Metasploit
	Dr. Ravi Kiran Varma P, Assoc. Prof &Head MVGR College of Engineering, Vizianagaram https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrttec_in/EUeOvbPJpE3EGjH2kG4BjfX1RcCau1QqlvxUvez8TQ?e=AjUr8o		Dr. Ravi Kiran Varma P, Assoc. Prof &Head MVGR College of Engineering, Vizianagaram https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrttec_in/EUeOvbPJpE3EGjH2kG4BjfX1RcCau1QqlvxUvez8TQ?e=AjUr8o		Dr. Ravi Kiran Varma P, Assoc. Prof &Head MVGR College of Engineering, Vizianagaram https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrttec_in/EUeOvbPJpE3EGjH2kG4BjfX1RcCau1QqlvxUvez8TQ?e=AjUr8o
10/02/2021	Metasploit Advanced attacks(Practical Demonstration)	Tea Break	Wireless Attacks/Mobile Attacks, Buffer Overflow, Automated Web Attacks(Practical Demonstration)	Lunch Break	Web Application Security- Sql Injection, Session Hijacking, Cross Site Scripting
	Mr. K. Anand, Certified EC – Council Instructor, PMP, CEO, Star Computers, Visakhapatnam, https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrttec_in/EQTULMRkvU5FpV-JEA4YiAoBBfCucNzu-lc-ZXJBV2P7fg?e=kHTpm1		Mr. K. Anand, Certified EC –Council Instructor, PMP, CEO, Star Computers, Visakhapatnam, https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrttec_in/EXMuvfviihxMjVOeF04LYckBiwBom86wIV734OZ6p9IUhA?e=cPhswC		Mr. K. Anand, Certified EC –Council Instructor, PMP, CEO, Star Computers, Visakhapatnam, https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrttec_in/EXMuvfviihxMjVOeF04LYckBiwBom86wIV734OZ6p9IUhA?e=cPhswC

11/02/2021	Applications of Cyber Security Mechanisms	Tea Break	Cyber Security Using Deep Learning: Fundamentals and Applications	Lunch Break	Secure Multi-Party Computation Techniques
	Dr. Praveen Krishna Professor, Dept. of CSE, KL University, Guntur https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrt ec_in/EUVLwZguoodGh02rK-msAFsBc0dlp-CE-6wAZyaxHSGimQ?e=Xep8k4		Dr. Sumalatha, Professor, Dept of CSE, JNTUK, Director of Evaluation, JNTUK_ https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrt ec_in/EUYC_6qd1H9CkWKHuOoUfUIBRbl9hWOXqUyrP7SbiudZ7Q?e=kbQDae		Dr. Durgesh Kumar Mishra Professor of CSE and Director, Aurobindo Institute of Technology, Indore, Madhya Pradesh, https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrt ec_in/EUAv5F-cdD5CsAbdlfGdj8wB1SuTjNnFzNLh2hHIEj3daQ?e=7zkySJ
12/02/2021	Cloud Security, Forensics	Tea Break	Stress Management Session	Lunch Break	Valediction Function, Feedback and Test Session
	Rahul Thakur Maitrish Ghosh R&D Team, Anvira Edustation https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrt ec_in/Eaf24xwBz1lEqcpjuKZVHL0BYRe7rj50BHwXwXSBxHrSVg?e=fTtP2k		Dr M.Sreenivasa Kumar Principal and Professor, NEC https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrt ec_in/EW0uwQzizb1HhbclQAnJMGcBG0caMFBF4x-erQhYoLuiyg?e=O8Hdj6		https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrt ec_in/EYzYrkCyJltFkB55F_LtKyQBb6D3aqjAOAbANtmQ01iSng?e=t6ld6V https://necgroup1-my.sharepoint.com/:v:/g/personal/jhansi_bolla_nrt ec_in/ETxlx-ukmWJKuCMbonB_1yIBeU_u1Qh7CUMiZ4RQdkJMkg?e=jmJ5tc

Dr B.Jhansi Vazram
Coordinator

**NARASARAOPETA ENGINEERING
COLLEGE::NARASARAOPET
(Autonomous)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
5-Day ATAL FDP on Cyber Security during 8th-12th February, 2021
5th Day(12/2/2021) – Test Questions and Answers**

1. What is the process of hiding text within an image called? [A]
A. Steganography
B. Encryption
C. Spyware
D. Keystroke logging
2. What is a rootkit? [C]
A. A simple tool to gain access to the root of the Windows system
B. A Trojan that sends information to an SMB relay
C. An invasive program that affects the system files, including the kernel and libraries
D. A tool to perform a buffer overflow
3. Why would hackers want to cover their tracks? [B]
A. To prevent another person from using the programs they have installed on a target system
B. To prevent detection or discovery
C. To prevent hacking attempts
D. To keep other hackers from using their tools
4. The Trinoo tool uses what protocol to perform a DoS attack? [C]
A. TCP
B. IP
C. UDP
D. HTTP
5. Which of the following is a passive online attack? [B]
A. Password guessing
B. Network sniffing
C. Brute-force attack
D. Dictionary attack D. Personal firewall
6. 802.11i is implemented at which layer of the OSI model? [B]
A. Layer 1 B. Layer 2 C. Layer 3 D. Layer 7
7. What does NOP stand for? [A]
A. No Operation B. Network Operation Protocol
C. No Once Prompt D. Network Operation
8. Which of the following is a countermeasure for a buffer overflow attack? [A]
A. Input field length validation B. Encryption
C. Firewall D. Use of web forms
9. ____ is the practice and precautions taken to protect valuable information from unauthorised access, recording, disclosure or destruction. [C]
a) Network Security b) Database Security
c) Information Security d) Physical Security
10. ____ platforms are used for safety and protection of information in the cloud. [A]
a) Cloud workload protection platforms b) Cloud security protocols

- c) AWS d) One Drive
11. Compromising confidential information comes under ____ [B]
- A) Bug B) Threat C) Vulnerability D) Attack
12. _____ is the technique used in business organizations and firms to protect IT assets.
- A) Ethical hacking B) Unethical hacking
- C) Fixing bugs D) Internal data-breach [A]
13. What is the nmap option for UDP scan? [A]
- A) -sU B) -tU C) -iU D) -IU
14. Abbreviate VNC related to networks. [D]
- A) Virtual Network Computing
- B) Virtual Network cloud
- C) Verbal Network Computing
- D) Virtual Neural Computing
15. Which port does NetBIOS use [A]
- A) 139
- B) 138
- C) 137
- D) 136
16. What is the full form of NetBIOS [A]
- A) Network Basic Input/Output System
- B) Network biased Input/Output System
- C) Network business Input/Output System
- D) Network bifurcation Input/Output System
17. _____ framework made cracking of vulnerabilities easy like point and click.
- A) Metasploit
- B) .Net
- C) Zeus
- D) Ettercap [A]
18. Rainbow tables re used to crack [A]
- A) Passwords
- B) Computer Systems
- C) websites
- D) Directories
19. What command is used to retrieve information from a SQL database? [D]
- A) INSERT
- B) GET
- C) SET
- D) SELECT
20. The Procol stack used for Internet is [C]
- A) OSI
- B) ATM
- C) TCP/IP
- D) Neural Network