



Sri Venkateswara College of Engineering

(An Autonomous Institution – Affiliated to Anna University)

Sriperumbudur Taluk – 602117, Tamilnadu.



Department of Electronics and Communication Engineering

Organizes



Highlights of the topic:

- ✓ Basics of cryptography, cryptographic algorithms and key management techniques for security.
- ✓ Attacks pertaining to different types of networks such as Mobile ad hoc network, sensor network, IOT and vehicular ad hoc networks.
- ✓ Authentication algorithms and its requirements.
- ✓ Implementation and analysis of secure algorithms in FPGA
- ✓ Applications of secure algorithms for light weight devices.

Resource Person:
Dr. Edna Elizabeth.N

Professor
Department of ECE
SSN College of Engineering
Chennai-603 110

CONVENOR

Dr. S.Muthukumar,
Head – Dept. of ECE

EVENT COORDINATORS

Dr. S.R.Malathi,
Associate Professor – ECE

Mr. M. Athappan,
Assistant Professor – ECE

Mrs. S.M. Mehzabeen,
Assistant Professor – ECE

Only 250
Participants

Enrolment
"First Come – First Basis"

Date: 14th May 2020
Time: 2:30 PM – 4:30 PM

Registration Link:

<https://forms.gle/zUSw2eSR5QNhADuE6>

A Report on
Webinar on "Study of Cryptography, Network Security and
Implementation of Algorithms in Hardware for Lightweight Applications"

Organized on 14th May 2020 by the Department of ECE

Department of ECE organized, a **Webinar on "Study of Cryptography, Network Security and Implementation of Algorithms in Hardware for Lightweight Applications"** on 14th May 2020 from 2.30 PM to 4.30 PM (2 hours)

The event convenor was Dr. S.Muthukumar, Head – Dept. of ECE. The event was Coordinated and Organized by Dr.S.R.Malathi, Associate Professor Mr. M. Athappan, and Mrs. S.M. Mehzabeen, Assistant Professors, Department of ECE.

The resource person was Dr. Edna Elizabeth.N, Professor, Department of ECE, SSN College of Engineering, Chennai-603110. The purpose of the webinar was to give an insight into Cryptography, Network Security and Implementation of Algorithms in Hardware for Lightweight Applications.

About 130 participants, which includes faculty members and students from various engineering colleges attended the webinar enthusiastically.

The Dr.S.R.Malathi welcome the participants and gave a brief introduction about the resource person, Dr. Edna Elizabeth.N.

In the talk, Dr. Edna Elizabeth.N covered through the basics of cryptography, cryptographic algorithms and key management techniques for security, attacks pertaining to different types of networks such as Mobile ad hoc network, sensor, network, IOT and vehicular ad hoc networks, authentication algorithms and its requirements, Implementation and analysis of secure algorithms in FPG and applications of secure algorithms for light weight devices.

At the end of the lecture, few students interacted with the resource person. Feedback was collected from the participants. All the participants gave positive feedback about the content and the presentation. Very few suggested to have the webinars for short duration (less than 2 hours). The webinar was concluded with vote of thanks by the coordinators.

Coordinators

Dr.S.R.Malathi, Associate Professor

Mr. M. Athappan, Assistant Professor

Mrs. S.M. Mehzabeen, Assistant Professor



Dr.S.R.Malathi



Dr.S.Muthukumar
HOD-EC

Timestamp	Participant's Name (as such will be used as your name in your e-certificate)	Choose Designation, if Faculty	Dept	Name of the College/Organization with place (For Example: Sri Venkateswara College of Engineering, Sriperumbudur)	Email id (To which e-certificate will be sent)
5-14-2020 1:42:11	dilliganesh	Student	ECE	svce	dilliganesh.elect@gmail.com
5-14-2020 2:17:18	S.M.Mehzabeen	Assistant Professor	ECE	Sri Venkateswara College of Engineering	mehzabeen@svce.ac.in
5-14-2020 2:29:02	Dilliganesh	Student	Ece	Svce	dilliganesh.elect@gmail.com
5-14-2020 3:40:08	V.VINODHINI	Assistant Professor	ECE	UNIVERSITY COLLEGE OF ENGINEERING ARIYALUR	vinsjeyam@gmail.com
5-14-2020 3:40:21	Raghavan R	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	raghavan21.2000@gmail.com
5-14-2020 3:40:23	E. Rajalakshmi	Assistant Professor	CSE	Sri Venkateswara college of engineering	eraji@svce.ac.in
5-14-2020 3:40:29	Dr. N. Kumaratharan	Professor	ECE	Sri Venkateswara College of Engineering	kumaratharan@svce.ac.in
5-14-2020 3:40:37	T J Jeyaprabha	Assistant Professor	ECE	Sri Venkateswara College of Engineering	jprabha@svce.ac.in
5-14-2020 3:40:42	Sathyapriya J	Assistant Professor	BCA	Auxilium College (Autonomous), Vellore	sathyapriya@auxiliu college.edu.in
5-14-2020 3:40:51	Praveen KV	Assistant Professor	IT	St Peter's College Of Engineering and Technology, Chennai	praveenprofessional@yahoo.co.in
5-14-2020 3:41:08	Dr. S. Lavanya	Assistant Professor	Computer Applications	Auxilium College , Vellore	lavaux0211@gmail.com
5-14-2020 3:41:08	T.Anne Ramya	Assistant Professor	ECE	St.Peter's Institute of Higher Education and Research	anneramya27@gmail.com
5-14-2020 3:41:20	Gnancy Subha G	Assistant Professor	Biomedical	St.Peter's Institute of Higher Education and Research, avadi	gnancysubha95@gmail.com
5-14-2020 3:41:23	R.Vanishree	Assistant Professor	Mathematics	St Peter's Institute of Higher Education and Research, Avadi	rvanishree1995@gmail.com
5-14-2020 3:41:23	M. MUTHU RAMYA	Assistant Professor	Mathematics	St. Peter's Institute of higher education and research Avadi Chennai-54	narayanan.ramya28@gmail.com
5-14-2020 3:41:23	S.VAISHALI	Student	ECE	Sri Venkateswara college of Engineering, Sriperumbudur	vaishalisaravanan03@gmail.com
5-14-2020 3:41:24	Ms.Shanthi AL.	Assistant Professor	Computer Applications	Auxilium College	shanthimanipsg@gmail.com
5-14-2020 3:41:31	Sankara Narayanan.B	Student	ECE	SRI VENKATESWARA COLLEGE OF ENGINEERING	sankaran879@gmail.com
5-14-2020 3:41:37	Ms.PREETHI.S	Student	EEE	ECE	preetz26286@gmail.com
5-14-2020 3:41:47	Juli Mattena M	Assistant Professor	Mathematics	Don Bosco college, Yelagiri hills	julimattena@gmail.com
5-14-2020 3:41:48	D.UMA MAHESHWARI	Student	Ece	Sri Venkateswara college of engineering, Sriperumbudur	Uma.deivasigamani0909@gmail.com

5-14-2020 3:41:52	SIVAGNANA SUBRAMANIAN S P	Assistant Professor	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	spsivagnanam@svce .ac.in
5-14-2020 3:42:12	Dr.Radhakrishnan Palanikumar	Professor	PG Departmen t of Computer Science	Don Bosco College, Yelagiri Hills	drradhakrishnandbcy @gmail.com
5-14-2020 3:42:16	Niranjan.R	Student	ECE	Sri Venkateswara College of Engineering	conveyniranjan@gma il.com
5-14-2020 3:42:19	R.Bhuvaneswari	Assistant Professor	Computer Science and Engineerin g	SVCE	bhuvanacheran@gm ail.com
5-14-2020 3:42:24	SUBASHINI V	Assistant Professor	ECE	Rajalakshmi Institute of Technology	subashini.v@ritchenn ai.edu.in
5-14-2020 3:42:25	MARIADOSS. M	Assistant Professor	Mathemati cs	Don Bosco College(Co - Ed)	moyesdoss@gmail.c om
5-14-2020 3:42:31	TAMIL SELVAN H	Student	ECE	SRI VENKATESWARA COLLEGE OF ENGINEERING, SRIPERUMBUDUR	tamilselvanh361@gm ail.com
5-14-2020 3:42:32	R.SIVASUBRAMANIA N	Student	ECE	Sri venkateshwara college of engineering,sriperumbudur	sivasubramanian171 0@gmail.com
5-14-2020 3:42:35	A.Indumathi	Assistant Professor	Informatio n technology	Sri venkateswara college of engineering, sriperumbudur	aindumathi@svce.ac. in
5-14-2020 3:42:53	Yukesh Kumar.S	Student	ECE	Sri Venkateshwara College of Engineering	yukeshkumar622@g mail.com
5-14-2020 3:42:55	Ms. Anitha S.	Assistant Professor	BCA	Auxilium College (Autonomous), Vellore	anithavlr157@gmail.c om
5-14-2020 3:43:06	Anandan. D	Assistant Professor	CSE	ARM Engineering College, Chennai	anandandk@gmail.c om
5-14-2020 3:43:07	HELEN A	Assistant Professor	Computer Science and Engineerin g	St. Peter's Institute of Higher Education and Research, Avadi	helencanute@gmail.c om
5-14-2020 3:43:07	Shalini A J	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	shalini.aj.net@gmail. com
5-14-2020 3:43:07	JAGADEESHWARI S	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	jagads111299@gmail .com
5-14-2020 3:43:11	Ms.Shanthi AI	Assistant Professor	Computer applicatio ns	Auxilium College	shanthimanipsg@gm ail.com
5-14-2020 3:43:13	Rakesh Velavaluri	Student	ECECom munication	Sri Venkateshwara College of Engineering , Sriperumbudur	rakeshvelavaluri@gm ail.com
5-14-2020 3:43:26	Rajalakshmi Sankaran	Assistant Professor	Computer science and Engineerin g	Sri Venkateswara College of Engineering, Sriperumbudur	sraji@svce.ac.in
5-14-2020 3:43:28	NIRAIMADI S	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	niraimadikpm@gmail. com
5-14-2020 3:43:34	D.SUJATHA	Assistant Professor	ITTECHN OLOGY	ST.PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY	sujatharaghu@gmai l.com

5-14-2020 3:43:35	Sadhana Narayanan	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	narayanansadhana@gmail.com
5-14-2020 3:43:53	K.S.SUBHASHINI	Assistant Professor	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	ksubha@svce.ac.in
5-14-2020 3:43:53	Komaleshwari Ramesh	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	komalramesh30@gmail.com
5-14-2020 3:43:54	MR. GAJANAN UTTAM PATIL	Assistant Professor	E&TC ENGINEERING	SHRI SANT GADGE BABA COLLEGE OF ENGINEERING AND TECHNOLOGY, BHUSAWAL	gajanan.bsl@gmail.com
5-14-2020 3:44:10	R.Vanithashree	Assistant Professor	Mathematics	St.peter's institute of higher education and research, Avadi	rvanithashree1995@gmail.com
5-14-2020 3:44:16	Mrs. MINI PRINCE	Assistant Professor	Information Technology	St. Peter's College of Engineering and Technology	miniprince17@gmail.com
5-14-2020 3:44:37	SHOPA	Assistant Professor	Information Technology	St. Peter's College of Engineering and Technology, Avadi	shopa1990@gmail.com
5-14-2020 3:44:43	VENUSUBA AKSHAI	Student	ECW	Sri Venkateswara College of Engineering, (Sriperumbudur)	akshaivs65@gmail.com
5-14-2020 3:44:45	AKSHAYA C.R	Student	ECE	Sri Venkateswara College Of Engineering, Sriperumbudur	crakshaya999@gmail.com
5-14-2020 3:45:06	Shruti Sharada S	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	sssharada99@gmail.com
5-14-2020 3:45:08	K.JANANI	Assistant Professor	BCA	Auxilium College(Autonomous),Vellore	jananivellore95@gmail.com
5-14-2020 3:45:14	Manoj . J	Student	ECE	Sri Venkateswara College of Engineering	manojjagadish2001@gmail.com
5-14-2020 3:45:29	KAVITHA M	Assistant Professor	Mathematics	St.Peter's Institute of Higher Education and Research	kavitharmk15@gmail.com
5-14-2020 3:45:48	SWETHA. S	Student	ECE	Sri venkateswara college of engineering	swethasivagnanam@gmail.com
5-14-2020 3:46:13	SRIBALAJY N S	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	sribalajy24@gmail.com
5-14-2020 3:46:16	Seenivasan A	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	as17112001@gmail.com
5-14-2020 3:46:52	Sindhu P M	Assistant Professor	BCA	Donbosco Arts and Science college, Angadikadavu	sindhutitus@gmail.com
5-14-2020 3:46:54	ATHAPPAN M	Assistant Professor	ECE	Sri Venkateswara College of Engineering	athappan@svce.ac.in
5-14-2020 3:48:01	keerthanagovarathanan@gmail.com	Assistant Professor	Computer Science	M.M.E.S WOMENS ARTS AND SCIENCE COLLEGE, MELVISHARAM	keerthanagovarathanan@gmail.com
5-14-2020 3:48:14	VINDHIYA. S	Student	ECE	Sri venkateswara college of engineering	srivindhiya@gmail.com
5-14-2020 3:48:16	S. Vinodhini	Student	Ece	Sri Venkateswara College of Engineering, Sriperumbudur) *	vinokamali33@gmail.com

5-14-2020 3:48:28	Princy M	Professor	ECE	Don bosc college, yelagiri hills	princyp308@gmail.com
5-14-2020 3:48:33	A. BHARATHIPRIYA	Assistant Professor	ECE	SVCE	bharathipriya@svce.ac.in
5-14-2020 3:49:25	Babitha Thamby	Assistant Professor	Computer science	Don Bosco College, Mannuthy	babitha86@gmail.com
5-14-2020 3:49:27	ARUL	Assistant Professor	ECE	SRI VENKATESWARA COLLEGE OF ENGINEERING, SRIPERUMBUDUR	arulp@svce.ac.in
5-14-2020 3:49:29	Guru Gokul AR	Assistant Professor	Information Technology	Sri Venkateswara College of Engineering, Sriperumbudur	gurugokul@svce.ac.in
5-14-2020 3:49:32	R.KOUSALYA	Assistant Professor	ECE	SRI VENKATESWARA COLLEGE OF ENGINEERING	kousi@svce.ac.in
5-14-2020 3:49:54	MATTHEW.K	Assistant Professor	EEE	St.Peter's Institute of Higher Education and Research, Avadi, Chennai - 600054.	matthewk.eee@spier.ac.in
5-14-2020 3:50:10	SIVA AYTHIKA.A	Student	ECE	SRI VENKATESWARA COLLEGE OF ENGINEERING	sivaaythika11317@gmail.com
5-14-2020 3:51:45	Ms.Nami Susan Kurian	Assistant Professor	ECE	Rajalakshmi Institute of Technology, Chennai	namisusan7@gmail.com
5-14-2020 3:54:17	Dr. M. SATHEESH	Assistant Professor	COMPUTER SCIENCE AND APPLICATIONS	Don Bosco College of Arts and Science, Karaikal.	dbcSAT14@gmail.com
5-14-2020 3:55:23	P.Sangeeth Kanna	Student	ECE	Name of the College/Organization wi Sri Venkateswara College of Engineering, Sriperumbudur	sangeethkanna09@gmail.com
5-14-2020 3:55:44	S.K.Tharani balan	Student	ECE	Sri venkateswara college of engineering, sriperumbudur	balanTharani1234@gmail.com
5-14-2020 3:56:30	Paradharami Ramya Sree	Student	ECE	Sri Venkateswara College of Engineering	ramya.kushi07@gmail.com
5-14-2020 3:56:45	G Keerthana	Assistant Professor	Computer Science	M.M.E.S WOMENS ARTS AND SCIENCE COLLEGE, MELVISHARAM	rajigova94@gmail.com
5-14-2020 4:00:45	Swaathi C	Student	ECE	Sri Venkateswara College Of Engineering, Sriperumbudur	swaathi2099@gmail.com
5-14-2020 4:00:58	Mr.R.ugendran	Student	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	Suryacr7007@gmail.com
5-14-2020 4:02:07	Sheela.K	Student	Computer Science	Vels Institute of Science, Technology and Advanced Studies, Chennai.	ksheela.research@gmail.com
5-14-2020 4:02:34	Surya Raj kumar.S	Student	ECE	RMD ENGINEERING COLLEGE, KAVARAPETTAI	surya40007@gmail.com
5-14-2020 4:09:09	Dr.G.Padmavathi	Professor	ECE	Sri Venkateswara College of Engineering, Sriperumbudur	gpadma@svce.ac.in

5-14-2020 4:11:56	Sneha S	Student	ECE	Sri Venkateswara College of Engineering	supremebeing662@gmail.com
5-14-2020 4:14:36	K.MANIKANDAN	Assistant Professor	Mathematics	St. Peter's Institute of Higher Education And Research , Chennai - 600 054.	dhanammanii@gmail.com
5-14-2020 16:08:45	Dr. S. Lavanya	Student	ECE	Auxilium College	lavaux0211@gmail.com
5-14-2020 16:08:48	S.VAISHALI	Assistant Professor	ECE	SVCE	vaishalisaravanan03@gmail.com
5-14-2020 16:08:56	Shruti Sharada S	Student	Ece	Sri Venkateswara College	sssharada99@gmail.com
5-14-2020 16:09:01	Ms. Rajalakshmi Elumalai	Assistant Professor	ECE	Sri Venkateswara college	eraji@svce.ac.in
5-14-2020 16:09:02	B.SARALA	Student	ECE	SVCE	sarala@svce.ac.in
5-14-2020 16:09:09	T J Jeyaprabha	Assistant Professor	CSE	Sri Venkateswara College	jprabha@svce.ac.in
5-14-2020 16:09:15	K.S.SUBHASHINI	Professor	ECE	SRI VENKATESWARA CO	ksubha@svce.ac.in
5-14-2020 16:09:17	D.UMA MAHESHWARI	Assistant Professor	ECE	Sri Venkateswara college	uma.deivasigamani0909@gmail.com
5-14-2020 16:09:21	Mrs. MINI PRINCE	Assistant Professor	Bachelor of Computer Application	St. Peter's College of Engin	miniprince17@gmail.com
5-14-2020 16:09:25	Mr.M.V. SURESH	Assistant Professor	IT	St.Peter's Institute of Higher	sureshmv.maths@spier.ac.in
5-14-2020 16:09:25	Ms.PREETHI.S	Assistant Professor	Computer Applications	EASWARI ENGINEERING	preetz26286@gmail.com
5-14-2020 16:09:32	Komaleshwari Ramesh	Assistant Professor	ECE	Sri Venkateswara College	komalramesh30@gmail.com
5-14-2020 16:09:38	Juli Mattena M	Assistant Professor	Biomedical	Don Bosco college, Yelagiri	julimattena@gmail.com
5-14-2020 16:09:46	SWETHA. S	Assistant Professor	Mathematics	Sri venkateswara college of	swethasivagnanam@gmail.com
5-14-2020 16:09:49	HELEN A	Assistant Professor	Mathematics	St. Peter's Institute of Higher	helencanute@gmail.com
5-14-2020 16:10:06	Mr. D. Anandan	Student	ECE	ARM College	anandandk@gmail.com
5-14-2020 16:10:20	Rakesh Velavaluri	Assistant Professor	Computer Applications	Sri Venkateshwara College	rakeshvelavaluri@gmail.com
5-14-2020 16:10:11	Miss. G. keerthana	Student	ECE	M.M.E.S WOMEN'S ARTS	keerthanagovarthanan@gmail.com
5-14-2020 16:10:29	Mr. Gajanan Uttam Patil	Student	EEE	HSM'S, SSGBCOE&T, BHU	gajanan.bsl@gmail.com
5-14-2020 16:10:30	Mr H SUDHARSHAN	Assistant Professor	Mathematics	Sri Venkateswara College	sudharsh2k@gmail.com
5-14-2020 16:10:55	Sindhu P M	Student	Ece	Donbosco Arts and Science	sindhutitus@gmail.com
5-14-2020 16:11:01	S.K.Tharani balan	Assistant Professor	ECE	Sri venkateswara college of	balantharani1234@gmail.com
5-14-2020 16:11:10	Ms.R.KOUSALYA	Professor	PG Department of Computer Science	SRI VENKATESWARA CO	kousi@svce.ac.in
5-14-2020 16:11:13	FINCY CYRIAC	Student	ECE	DON BOSCO ARTS AND S	fincycyriac@gmail.com
5-14-2020 16:11:22	Swaathi C	Assistant Professor	Computer Science and Engineering	Sri Venkateswara College	swaathi2099@gmail.com

5-14-2020 16:21:23	Mr.R.ugendran	Assistant Professor	ECE	Sri venkateswara college of	suryacr7007@gmail.com
5-14-2020 16:11:28	Ms R.suganya	Assistant Professor	Mathematics	St Peter institute of higher e	suganyaofficial2192@gmail.com
5-14-2020 16:12:11	VINDHIYA. S	Student	ECE	Sri venkateswara college of	srivindhiya@gmail.co
5-14-2020 16:12:28	T.Anne Ramya	Student	ECE	St.Peters Institute of Higher	anneramya27@gmail.com
5-14-2020 16:12:29	M. MUTHU RAMYA	Assistant Professor	Information technology	St. Peter's Institute of highe	narayanan.ramya28@gmail.com
5-14-2020 16:12:42	SHOPA	Student	ECE	St. Peter's College of Engin	shopa1990@gmail.co
5-14-2020 16:13:28	K.JANANI	Assistant Professor	BCA	Auxilium College(Autonomo	jananivellore95@gma
5-14-2020 16:14:09	S. Pushpa	Assistant Professor	CSE	St.Peter's Institute of Highe	pushpas.cse@spiher.ac.in
5-14-2020 16:14:18	Ms. S Jagadeeshwari	Assistant Professor	Computer Science and Engineering	sri venkateswara college of	jagads111299@gmail.com
5-14-2020 16:15:10	Ramya Sree Paradharami	Student	ECE	Sri Venkateshwara College	ramya.kushi07@gmail.com
5-14-2020 16:17:18	Sathiyapriya J	Student	ECE	Auxilium College (Autonomo	sathiyapriya@auxiliu
5-14-2020 16:17:37	SIVA AYTHIKA.A	Assistant Professor	Computer applications	SRI VENKATESWARA CO	sivaaythika11317@gmail.com
5-14-2020 16:20:04	G A Sathish Kumar	Student	ECECommunication	Sri venkateswara college of	sathish@svce.ac.in
5-14-2020 16:22:24	Dr. Venmathi A.R	Assistant Professor	Computer science and Engineering	Kings Engineering College	arvenmathi@gmail.com
5-14-2020 16:25:48	G . ANUPRIYA	Student	ECE	St Peter's Institute of Highe	anupriyasigc94@gmail.com
5-14-2020 16:30:41	Mr.E.S.Vijayshankar	Assistant Professor	ITTECHNOLOGY	St.Peter's Institute of Highe	es.vijaysharma@gmail.com
5-14-2020 16:38:06	SNEHA S	Student	ECE	Sri Venkateswara College o	supremebeing662@gmail.com
5-14-2020 16:54:46	Sivaranjini N	Assistant Professor	ECE	Auxilium College Autonomo	sathiya.siva5@gmail.com
5-14-2020 16:54:48	Dr.R.Gayathri	Student	ECE	Sri Venkateswara College o	rgayathri@svce.ac.in
5-14-2020 16:54:50	Sivaranjini N	Assistant Professor	E&TC ENGINEERING	Auxilium College Autonomo	sathiya.siva5@gmail.com
5-15-2020 16:54:52	Mrs. G. ASHA	Assistant Professor	Mathematics	Don Bosco College (Arts an	gnanaasha.asha@gmail.com
5-16-2020 16:54:53	R.NIRMALA	Assistant Professor	IT	St.Peters Institute of Higher	nir2mala@gmail.com

Dr.S.R.Malathi

Dr.S.Muthukumar
HOD-EC