Submitted to Principal:

19.2.2020

Sub: National Workshop on Cryptology – NWC 2020

The Department of Electronics & Communication is happy to propose to organize **National Workshop on Cryptology – NWC 2020**, in association with Cryptology Research Society of India (CRSI), Indian Statistical Institute, Kolkatta during August 2020. Cryptology Research Society of India (CRSI) was founded in 2001 as a non-profit scientific organization to support research and development in Cryptology and Data Security in India.

The National Workshop in Cryptology is organized by CRSI every year, in co-operation with an Indian institution, to expose the participants to the cutting-edge frontiers of research and development in Cryptology and Data Security.

The workshop includes invited lectures by eminent researchers and practitioners of Cryptology on the latest developments and also features sessions on contributed paper presentation on original research in Cryptology and allied disciplines.

It is to be noted that our institution is organizing this prestigious event for the third time. First time, it is organized by Information Science & Engineering Dept. in August 2005 and second time by Department of Electronics & Communication in August 2016.

This time this workshop is sanctioned in the annual general body meeting of CRSI on 15.12.2019. The sanction letter is attached herewith for your reference.

The detailed budget estimate for organizing the workshop is enclosed. CRSI will provide the travel expenses of Invited speakers and delegates. Also, the funds can be raised by the organizations like NBHM, Mubai, DRDO, New Delhi, CSIR, New Delhi, AICTE, New Delhi. We request you to kindly permit to organize the workshop and approve a budget of Rs. 1.0 Lakhs.

19.3.2020
Dr. S. V. Sathyanarayana
Professor, ECE
Organizing Secretary – NWC 2020

No: NES/JNNCE/693/2019-20 D/20/02/2020.
Forwarded to Secretary, NES

20/02/2020
Dr. P. Manjunatha
HoD, ECE
ಇ. 25/02/2020
Head of the Department
Electronics and Communication
J.N.N. College of Engineering
SHIMOGA-577 204.

Appd

for kind approval

Secretary
National Education Society

For approval
20/2/2020

Principal
Jawaharlal Nehru
College of Engineering

National Education Society (R.)
Jawaharlal Nehru National College of Engineering, Shivamogga
(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B', UG
programs:CE,ME,EEE,ECE,CSE,ISE,TCE acredited by NBA:1.7.2019 to 30.6.2022,
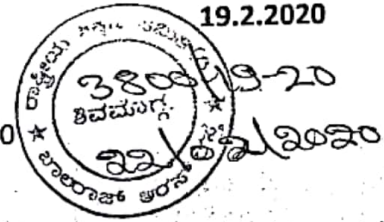*Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)*
Department of Electronics & Communication Engineering

Submitted to Principal:

19.2.2020

Sub: National Workshop on Cryptology – NWC 2020

The Department of Electronics & Communication is happy to propose to organize **National Workshop on Cryptology – NWC 2020**, in association with Cryptology Research Society of India (CRSI), Indian Statistical Institute, Kolkatta during August 2020. Cryptology Research Society of India (CRSI) was founded in 2001 as a non-profit scientific organization to support research and development in Cryptology and Data Security in India.

The National Workshop in Cryptology is organized by CRSI every year, in co-operation with an Indian institution, to expose the participants to the cutting-edge frontiers of research and development in Cryptology and Data Security.

The workshop includes invited lectures by eminent researchers and practitioners of Cryptology on the latest developments and also features sessions on contributed paper presentation on original research in Cryptology and allied disciplines.

It is to be noted that our institution is organizing this prestigious event for the third time. First time, it is organized by Information Science & Engineering Dept. in August 2005 and second time by Department of Electronics & Communication in August 2016.

This time this workshop is sanctioned in the annual general body meeting of CRSI on 15.12.2019. The sanction letter is attached herewith for your reference.

The detailed budget estimate for organizing the workshop is enclosed. CRSI will provide the travel expenses of Invited speakers and delegates. Also, the funds can be raised by the organizations like NBHM, Mubai, DRDO, New Delhi, CSIR, New Delhi, AICTE, New Delhi. We request you to kindly permit to organize the workshop and approve a budget of Rs. 1.0 Lakhs.

19.3.2020

Dr. S. V. Sathyanarayana
Professor, ECE
Organizing Secretary – NWC 2020

NES/JNNCE/693/2019-20

No: NES/JNNCE/693/2019-20 D/20/02/2020.
Forwarded to Secretary, NES

Appd
for kind approval

27
Secretary
National Education Society

20/02/2020

Dr. P Manjunatha
HoD, ECE
D: 25/02/2020
Head of the Department
Electronics and Communication
J.N.N. College of Engineering
SHIMOGA-577 204.

25/2/2020

Principal
Jawaharlal Nehru
National College of Engineering

National Education Society (R.)

J N N College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B', UG
programs:CE,ME,EEE,ECE,CSE,ISE,TCE acredited by NBA:1.7.2019 to 30.6.2022,
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)

Department of Electronics & Communication Engineering

Date: 29-11-2021

Submitted to the Principal

The Department of Electronics and communication Engineering has organized the event
"National Workshop on cryptology NWC 2021" during 18-11-2021 to 20-11-2021 in association
with CRSI Kolkata. Twenty-eight participants from various institutions have registered to the
workshop. A total amount of Rs 12,750 (Twelve thousand seven hundred and fifty only) has
been collected as registration fee from the participants. The list of participants and their fee
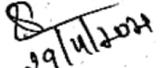details are listed in the below table. This is for your kind information and further processing.

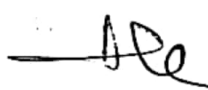| Sl	Name	College	Designation	Registration Fee In Rs	UTR Reference Number
1	Chakrapani D S	J N N College of Engineering, Shimoga	Assistant Professor	500	132828126257
2	Shwetha B	J N N College of Engineering, Shimoga	Assistant Professor	500	132712135658
3	Dr.C.Emilin Shyni	East Point College of Engineering and Technology	Professor	1000	132111280676
4	Mr. Murthy D H R	Presidency University, Bangalore	Research Scholar	2250	132196497526
5	Ms. Sunitha B J	Presidency University, Bangalore	Research Scholar		
6	Mr. Riyaz Ulla Rehaman	Presidency University, Bangalore	Research Scholar		
7	Mr. Krishna Mehar P	Presidency University, Bangalore	Research Scholar		
8	Mr. Sunil Kumar R M	Presidency University, Bangalore	Research Scholar		
9	Mr. Vishwanath Desai	Presidency University, Bangalore	Research Scholar		
10	Ms. Thasni T	Presidency University, Bangalore	Research Scholar		
11	Dr. Manujakshi B C	Presidency University, Bangalore	Research Scholar		
12	Ms. Srabana Pramanik	Presidency University, Bangalore	Research Scholar		
13	Ms Smitha N		Research Scholar	500	SBIN3213?6449037
14	Chandini A. G	SJCIT, Chickballapur	Research Scholar	500	132109215675
15	Sowmya T K	SDM Institute of Technology, Ujire	Assistant Professor	500	132082497655

16	Santosh Pai	Srinivas University, Mangalore	Research Scholar	500	132020658603
17	Ajith Kumar .V	Regional Resource Center, VTU Belagavi	Research Scholar	500	CITIN21271594508
18	Chandra Naik	National Institute of Technology Karnataka, Surathkal	Research Scholar	500	131918646338
19	Ramakant Kumar	MNNIT Allahabad, Prayagraj	Research Scholar	500	131737335281
20	LAVANYA R		Research Scholar	500	SBIN221321117085
21	DIVYA G S	Adichunchanagiri Institute of Technology, Chikkamagaluru	Assistant Professor	1000	KKBKH21316783018
22	Pranitha K S	NIT K Surathkal ;Dakshina Kannada ;Karnatka	Research Scholar	500	131516299002
23	H MANOJ T GADIYAR	SDM Institute of Technology, Ujire	Research Scholar	500	131522532505
24	Deeksha	Poornaprajna college Udupi Karnataka	Lecturer		
25	Manisha Shalini Mascarenhas	Poornaprajna College, Udupi, Karnataka	Lecturer	1000	133312997817
26	Satyam Omar	MNNIT Allahabad, Prayagraj	Research Scholar	500	130278921290
27	Latha P	RNSIT, Bengaluru	Assistant Professor	500	131384880978
28	Mohan Naik	SDM Institute of Technology, Ujire	Assistant Professor	500	129217909425
Total				12750.00	

29.11.21

Dr. Sathyanaryana. S. V
Professor &HOD, ECE Department
NWC 2021 Organizing chair

Professor & Head
Dept. of Electronics & Communication Engg.
JNN College of Engineering
SHIVAMOGGA-577 204.

Dr. K Nagendra Prasad
Principal,
JNNCE Shivamogga

29/11/2021

Rept No from = MR210399 to MR210417.

National Workshop on Cryptology – NWC 2021

Program Schedule

18.11.2021, Thursday

Time	Session	Speaker
9.30AM To 10.15 AM	Inauguration	
10.30AM to 11.30AM	Keynote Speech-1 E- Voting	Dr. Bimal Roy, Chairperson, National Statistical Commission, GoI
11.30 AM - 11.45AM	Tea Break	
11.45 AM - 1.15 PM	Invited Talk-1: Phishing URL detection and countermeasures	Dr. Alwyn Pais NITK Suratkal
1.15PM - 2.15PM	Lunch Break	
2.15PM - 3.45PM	Invited Talk -2 Block chain-based Secure Data Delivery in internet of Drones	Dr. Ashok Kumar Das Center for Security, Theory and Algorithmic Research - IIIT, Hyderabad
3.45PM - 4.00PM	Tea Break	
4.00PM -5.00PM	Paper Presentation -1	

19.11.2021, Friday

Time	Session	Speaker
9.30AM - 10.30AM	Keynote Speech-2 Automotive Cyber Security	Prof. Dr. Roland Erik Haas IIIT Bangalore
10.30AM - 11.30AM	Paper Presentation -2	
11.30 AM - 11.45 AM	Tea Break	
11.45 AM - 1.15 PM	Invited Talk -3 Privacy Preservation in Speech Processing	Dr. S R Mahadeva Prasanna Professor, IIT Dharward
1.15PM - 2.15PM	Lunch Break	
2.15PM - 3.45PM	Invited Talk -4 ABCD of Modern Cryptography	Dr. Kannan Srinathan IIIT, Hyderabad
3.45PM - 4.00PM	Tea Break	
4.00PM -5.00PM	Invited Talk -5 Scalability Issues in Bock Chain Technology	Dr. N R Sunitha Department of AI & ML, SIT, Tumkur

20.11.2021, Saturday

Time	Session	Speaker
9.30AM - 10.30AM	Invited Talk-6 Secure Access Delegation	Dr. Purushottam B R Dept. of CS & E, NIT, Goa
10.30AM - 11.30AM	Invited Talk-7 Challenges in Securing Information	Dr. P. K. Saxena, Scientific Consultant and advising Principal Scientific Advisor (PSA) to Govt of India
11.30 AM - 11.45 AM	Tea Break	
11.45 AM - 1.00PM	Invited Talk-8 Applications of Public Key Cryptography in Secure Communication	Dr. Indivar Gupta SAG, DRDO, New Delhi
1.00PM - 2.00PM	Lunch Break	
2.00PM - 3.00PM	Invited Talk-9 Elliptic Curve Cryptography	Dr. R. Balasubramnian President, Cryptography Research Society of India
3.00PM - 4.00PM	Invited Talk-10 Role of AI in Cyber Security	Dr. Gururaj H L Dept. of CS & E, VVCE, Mysuru
4.30PM - 5.00PM	Valedictory Program	

National Workshop on Cryptology – NWC 2021

JNNCE & CRSI 2021

18-20, November, 2021

Sponsored by

CRSI · INDIA   **DRDO**   **IETE · INDIA**

Organized by

Department of Electronics and Communication Engineering
in association with
Cryptology Research Society of India, Kolkata
JNNCE IEEE Students Branch
Institution of Electronics and Telecommunication
Engineers (IETE), Shimoga Center

Left Invitation

National Education Society (R.)

J.N.N. College of Engineering, Shivamogga

Department of Electronics and Communication Engineering
in association with
Cryptology Research Society of India, Kolkata
JNNCE IEEE Students Branch & IETE Shimoga Center

Inauguration of

National Workshop on Cryptology – NWC 2021

Date: 18.11.2021, Thursday, 9.30AM | Venue: AD Block Seminar Hall

Inauguration and Key-note address:
Dr. Bimal Roy,
Chairperson, National Statistical Commission, GoI
Secretary, Cryptology Research Society of India, Kolkata

Guests of Honour:
Sri. A S Vishwanatha
President, National Education Society, Shivamogga

Sri. T R Ashwathanarayana Setty
Vice President, National Education Society, Shivamogga

Sri. S N Nagaraja
Secretary, National Education Society, Shivamogga

Sri. D R Amarendra Kireeti
Joint Secretary, National Education Society, Shivamogga

Sri. C R Nagaraj
Treasurer, National Education Society, Shivamogga

Presence:
Dr. M M Rajath Hegde
Dean Infrastructure, JNNCE, Shivamogga

Dr. P. Manjunatha
Dean Academics, JNNCE, Shivamogga

Presided By:
Dr. K Nagendra Prasad
Principal, JNNCE, Shivamogga

Join the live streaming on YouTube: https://youtu.be/yO9GpcHU4BQ

You are cordially invited by

HOD & Staff, E&C Department,
Office bearers, JNNCE IEEE Student Branch
Members, Organizing Committee NWC 2021

Right Invitation

National Education Society (R.)

J.N.N. College of Engineering, Shivamogga

Department of Electronics and Communication Engineering
in association with
Cryptology Research Society of India, Kolkata
JNNCE IEEE Students Branch & IETE Shimoga Center

Valediction of

National Workshop on Cryptology – NWC 2021

Date: 20.11.2021, Saturday, 4.30PM | Venue: AD Block Seminar Hall

Chief Guest :
Dr. R Balasubramanian
Former Director Institute of Mathematical Sciences,
Hyderabad & President, Cryptology Research Society
of India, Kolkata

Presence:
Dr. M M Rajath Hegde
Dean Infrastructure, JNNCE, Shivamogga

Dr. P. Manjunatha
Dean Academics, JNNCE, Shivamogga

Presided By:
Dr. K Nagendra Prasad
Principal, JNNCE, Shivamogga

Join the live streaming on YouTube: https://youtu.be/yO9GpcHU4BQ

You are cordially invited by

HOD & Staff, E&C Department,
Office bearers, JNNCE IEEE Student Branch
Members, Organizing Committee NWC 2021

Advisory Committee

Dr. S. Sadagopan
Professor, IIIT, Bangalore, India

Dr. S. Rangarajan
Senior Vice President, Data Solutions, Yazml USA Inc, USA

Dr. R. Balasubramanian
Director Institute of Mathematical Sciences, Chennai

Mr. Pratapsinh K Desai
President, ISTE, New Delhi.

Dr. Bimal Roy
Genaral Secretary, CRSI
Indian Statistical Institute, Kolkata

Dr. H. C. Nagaraj
Principal, NMIT, Bangalore

Dr. M. H. Kori
IETE, Bangalore Centre

Dr. C.E. Veni Madhavan
Professor Emeritus, IISc, Bangalore

Technical Programme Committee

Dr. R. Balasubramanian
Institute of Mathematical Sciences, Chennai

Dr. Bimal Roy
Genaral Secretary, CRSI, Indian Statistical Institute, Kolkata

Dr. P.K. Saxena
SAG, DRDO, New Delhi

Mr. Sanjay Burman
CAIR, DRDO, Bangalore

Dr. Mahadeva Prasanna
IIT, Dharwad

Mr. Indivar Gupta
SAG, DRDO, New Delhi

Dr. Alwin Pais
NITK Suratkal

Dr. T. N. Nagabhushan
Principal, SJCE, Mysore

Dr. Rana Barua
Indian Statistical Institute Kolkata

Dr. G. K. Patra
CSIR – 4G, Bangalore

Dr. C. Pandurangan
IIT, Chennai

Dr. Abhijit Das
IIT, Kharagpur

Mr. Dhananjoy Dey
SAG, DRDO, New Delhi

Dr. S. B. Ambarkar
NITK, Warangal

Organizing Committee

Patrons

Sri. A S Vishwanatha
President, NES., Shimoga

Sri. T R Ashwath Narayana Setty
Vice-President, NES., Shimoga

Sri. S N Nagaraja
Secretary, NES., Shimoga

Sri. Amarendra Kireeti
Joint Secretary, NES., Shimoga

Sri. C R Nagaraj
Treasurer, NES., Shimoga

Chairman

Dr. P Manjunatha
Principal, JNNCE, Shimoga

Organizing Chair

Dr. S V Sathyanarayana
Professor & HoD, Department of E & C

Coordinators

Dr. Pramod Kumar S
Associate Professor, Department of E & C

Ms. Sheela S
Asst. Professor, Department of E & C

Mr. Darshan K V
Asst. Professor, Department of E & C

Mr. Harish T S
Asst. Professor, Department of E & C

Members

Dr. K M Poornima
Dr. R. Sanjeeva Kunte
Dr. M B Ushadevi
Dr. Nirmala Shivanand
Dr. Jyothi K
Dr. Jalesh Kumar
Dr. Manjula G R
Dr. Chetan K R
Dr. Ravindra S
Dr. Sankhya Nayak
Dr. Raghavendra R J
Dr. K S Pramod Kumar
Faculty Members – ECE Dept

Virtual National Workshop on

Cryptology – NWC 2021

18-21, November 2021

IEEE   IEEE   IEEE

organized by

Department of Electronics and Communication Engineering
J N N College of Engineering,
SHIMOGA – 577 204, KARNATAKA

in association with

Cryptology Research Society of India,
Indian Statistical Institute, KOLKATA,
The Institution of Electronics & Telecommunication Engineers (IETE), Shimoga-Centre
& JNNCE IETE Students Branch

Advisory Committee

Dr. S. Sadagopan
Professor, IIIT, Bangalore, India

Dr. S. Rangarajan
Senior Vice President, Data Solutions,
Yazml USA Inc, USA

Dr. R. Balasubramanian
Director Institute of Mathematical Sciences, Chennai

Mr. Pratapsinh K Desai
President, ISTE, New Delhi.

Dr. Bimal Roy
Genaral Secretary, CRSI
Indian Statistical Institute, Kolkata

Dr. H. C. Nagaraj
Principal, NMIT, Bangalore

Dr. M. H. Kori
IETE, Bangalore Centre

Dr. C.E. Veni Madhavan
Professor Emeritus, IISc, Bangalore

Technical Programme Committee

Dr. R. Balasubramanian
Institute of Mathematical Sciences, Chennai

Dr. Bimal Roy
Genaral Secretary, CRSI, Indian Statistical Institute, Kolkata

Dr. P.K. Saxena
SAG, DRDO, New Delhi

Mr. Sanjay Burman
CAIR, DRDO, Bangalore

Dr. Mahadeva Prasanna
IIT, Dharwad

Mr. Indivar Gupta
SAG, DRDO, New Delhi

Dr. Alwin Pais
NITK Suratkal

Dr. T. N. Nagabhushan
Principal, SJCE, Mysore

Dr. Rana Barua
Indian Statistical Institute Kolkata

Dr. G. K. Patra
CSIR – 4G, Bangalore

Dr. C. Pandurangan
IIT, Chennai

Dr. Abhijit Das
IIT, Kharagpur

Mr. Dhananjoy Dey
SAG, DRDO, New Delhi

Dr. B. B. Ambarkar
NITK, Warangal

Organizing Committee

Patrons

Sri. A S Vishwanatha
President, NES., Shimoga

Sri. T R Ashwath Narayana Setty
Vice-President, NES., Shimoga

Sri. S N Nagaraja
Secretary, NES., Shimoga

Sri. Amarendra Kireeti
Joint Secretary, NES., Shimoga

Sri. C R Nagaraj
Treasurer, NES., Shimoga

Chairman

Dr. P Manjunatha
Principal, JNNCE, Shimoga

Organizing Chair

Dr. S V Sathyanarayana
Professor & HoD, Department of E & C

Coordinators

Dr. Pramod Kumar S
Associate Professor, Department of E & C

Ms. Sheela S
Asst. Professor, Department of E & C

Mr. Darshan K V
Asst. Professor, Department of E & C

Mr. Harish T S
Asst. Professor, Department of E & C

Members

Dr. K M Poornima
Dr. R. Sanjeeva Kunte
Dr. M B Ushadevi
Dr. Nirmala Shivanand
Dr. Jyothi K
Dr. Jalesh Kumar
Dr. Manjula G R
Dr. Chetan K R
Dr. Ravindra S
Dr. Sankhya Nayak
Dr. Raghavendra R J
Dr. K S Pramod Kumar
Faculty Members – ECE Dept

Virtual National Workshop on Cryptology – NWC 2021

18-21, November 2021

organized by

Department of Electronics and Communication Engineering
J N N College of Engineering,
SHIMOGA – 577 204, KARNATAKA

in association with

Cryptology Research Society of India,
Indian Statistical Institute, KOLKATA,
The Institution of Electronics & Telecommunication
Engineers (IETE), Shimoga-Centre
& JNNCE IEEE Students Branch

National Education Society (R.)

J N N College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC
'B', UG programs:CE,ME,EEE,ECE,CSE,ISE,TCE acredited by NBA:1.7.2019 to
30.6.2022,
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)
Department of Electronics & Communication Engineering

National Workshop on Cryptology NWC- 2021

Workshop Report

The department of electronics and communication engineering in association with cryptology research of India, Kolkata, JNNCE IEEE students branch organized the three-day national workshop on cryptology-NWC2021 from 18-20 November 2021. Dr S V Sathyanarayana, Prof and Head, Department of ECE, formulated the workshop as the organizing chair. The work shop got sponsorship from CSRI and DRDO. Around 28 participants from various institutions had registered to the workshop. The workshop was inaugurated by Sri A S Viswanatha, President NES Shivamogga in presence of Sri S.N Nagaraja, Secretary NES Shivamogga. Dr Bimal Roy, Chairperson, National Statistical Commission connected online and graced the inaugural function. Dr K Nagendra Prasad, Principal JNNCE Shivamogga in his presidential address, highlighted the importance of information security and motivated the student community and research scholars to work in the area of cryptography and take up the open problems and develop solutions.
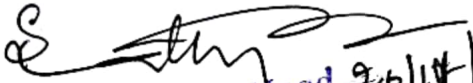
After the inauguration, we had the key note speech by Dr Bimal Roy on E-voting. In his address, he presented the prevailing threats in the existing voting systems that use EVM machines which included the manipulations of data stored in the EVM machine and possible solutions to overcome the threats *which included the implementation of zero knowledge protocol, hashing, block chain and multiparty computation*. The keynote speech was followed by the technical talk by Dr Alwyn Pais, NITK Suratkal. In his delivery, he explained the phishing attacks and its influence on privacy of user information. The various solutions to counter the phishing attacks like machine learning framework were discussed along with implementation results. The post lunch session was an invited talk by Dr Ashok Kumar Das, IIIT Hyderabad. In his talk he introduced the concept of block chains and its construction and properties. As an application of block chain, a novel blockchain-envisioned secure data delivery and collection scheme for 5G-enabled Internet of Drones (IoD) environment (BSD2C-IoD) was discussed. After the technical talk, we had the first paper presentation session and was chaired by Dr Ganesh Aital and Dr Alwyn Pais.

The second day began with the technical talk by Dr Roland Erik Haas, IIIT Bangalore on Automotive cyber security. In his address, he dealt on various security issues related to autonomous vehicles. His speech covered the software complexity, attacks on the battery

system thermal management system, locking system of electric vehicles and cyber security management system. The talk was followed by paper presentation chaired by Dr N R Sunitha SIT, Tumkur and Dr Gururaj H L, VVCE Mysore. The next session was a technical talk on Privacy preservation on speech processing by Dr S R Mahadeva Prasanna from IIT Dharwad. He explained the importance of privacy of the speech information and possible misuse of the same. The various aspects in privacy preservation like noise addition, speech transformation, speech synthesis, anonymization was covered during the talk. The post lunch session was on ABCD of cryptography by Dr Kannan Srinathan, IIIT Hyderabad. He gave a mathematical approach to the fundamental principles in the cryptography and the need of mathematical procedure for information security. The next invited talk was on scalability issues in block chain by Dr N R Sunitha SIT, Tumkur. The importance of the block chain and the need of scalability and challenges involved were discussed. Also, various solutions for efficient scalability like offchain computations, consensus protocols, sharding protocols were discussed.

The third day began with the technical talk by Dr Purushothama B R, NIT Goa on Secure Access Delegation. In his talk he discussed about the symmetric key solution and public key solution for providing the access control. He also introduced us with the proxy cryptography and its challenges. The next session was by Dr P K Saxena on Challenges in securing information. He gave an overview of various types of digital information exchange, the process involved in the communication and various threats involved during the information exchange. The various measures to overcome the threats were presented. The next talk was delivered by Dr Indivar Gupta, SAG, New Delhi on Applications of public key cryptography in secure communication. He highlighted the advantages of public key cryptography systems the mathematics involved and demonstrated the application of public key cryptography in online banking. The post lunch session was on elliptic curve cryptography by Dr R Balasubramanian, President CRSI. He gave a deeper mathematical insight of elliptic curves and its properties. This was followed by a talk on by Dr Gururaj H L. He discussed on the role of AI in cyber security.

In total there were 10 technical talks and two key note speeches. The valedictory function was presided by the Dr K Nagendra Prasad, Principal JNNCE Shivamogga. Dr R Balasubramanian, President CRSI was the chief guest for the function. In his address, attending the workshops will give a collective idea about the various branches involved in the modern cryptology from renowned scholors. The feedback from the both online and offline participants were taken and finally concluded by vote of thanks note by Dr S V Sathyanarayana.

NWC 2021

National Workshop on Cryptology - 2021

18-20, November 2021

IEEE

Organized by : Department of Electronics and Communication Engineering
in association with Cryptology Research Society of India, Kolkata
JNNCE IEEE Students Branch
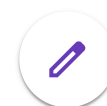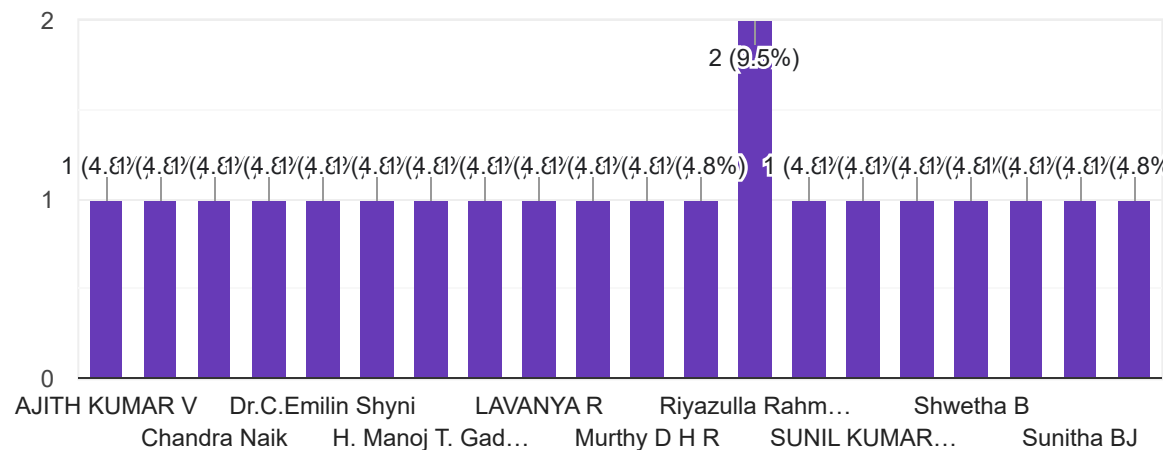IEEE Students Branch & IETE, Shimoga Center

Feedback Form : NWC 2021

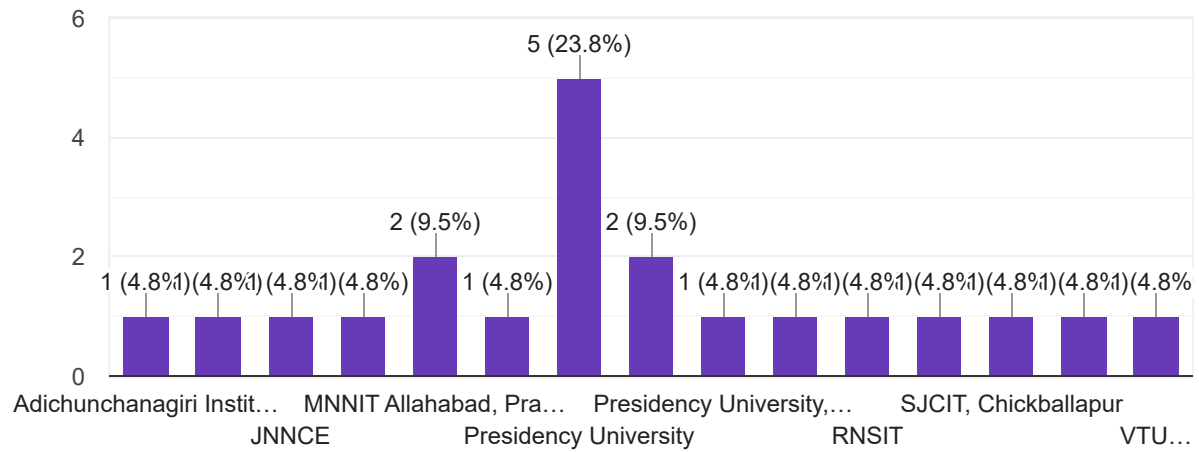21 responses
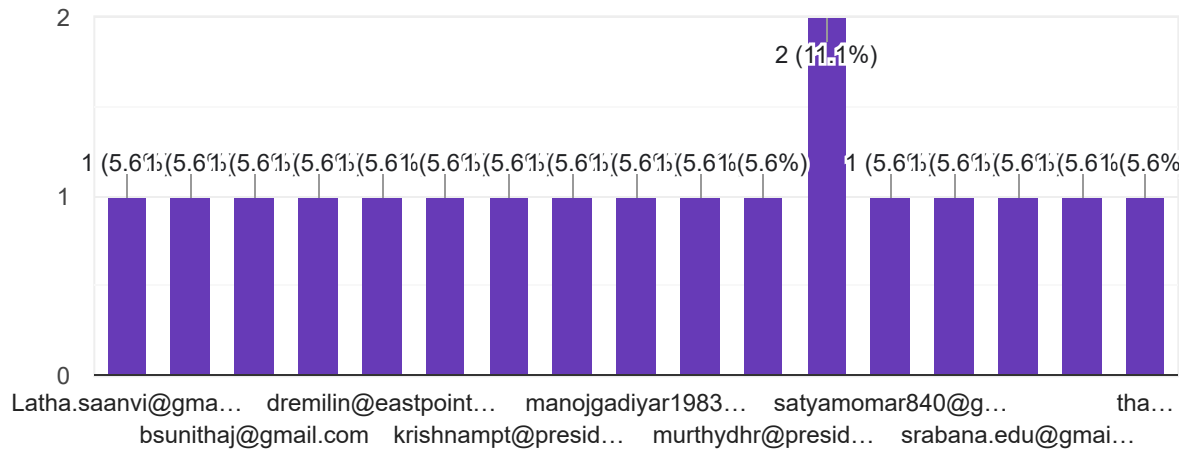
Publish analytics

Name

Copy

21 responses

Institution

Copy

21 responses

Email ID

Copy

18 responses

Mobile Number

Copy

19 responses
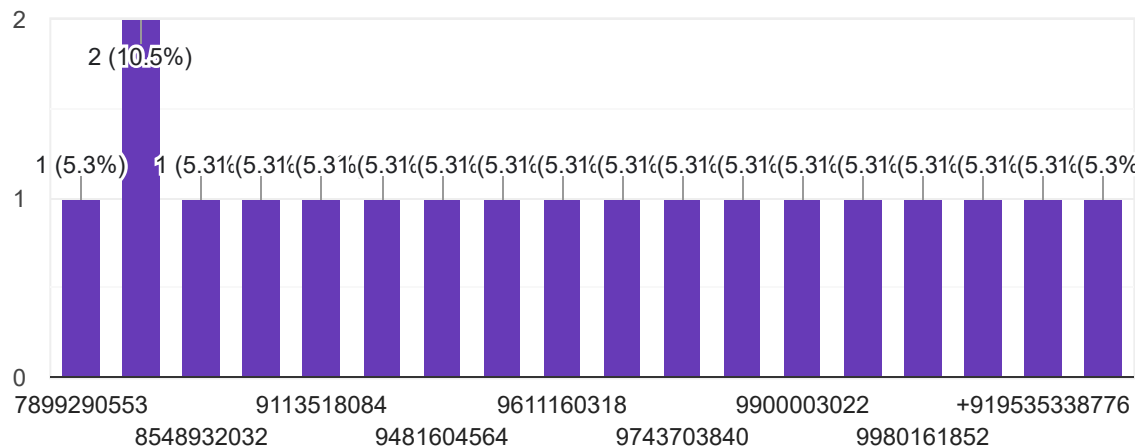
Organization of the Topics

Copy

21 responses

- Average
- Good
- Excellent

71.4%

28.6%
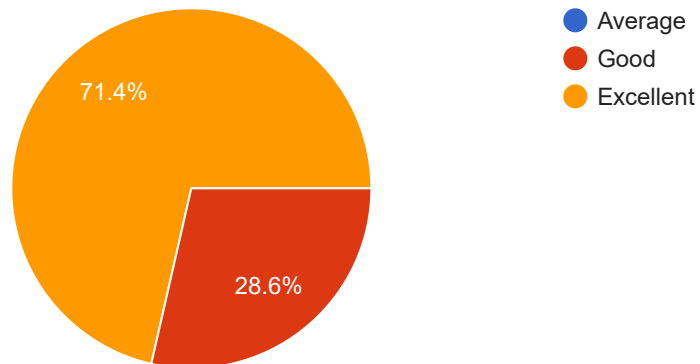
Relevance of the Topics covered

Copy

21 responses

- Average
- Good
- Excellent

66.7%

33.3%
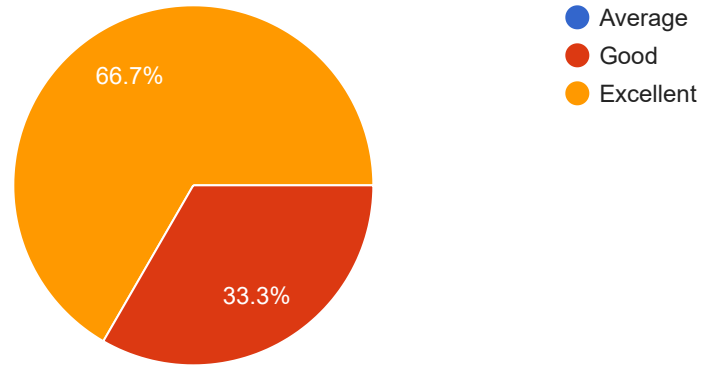
Presentation of concepts during the session

Copy

21 responses

- Average
- Good
- Excellent

57.1%

42.9%
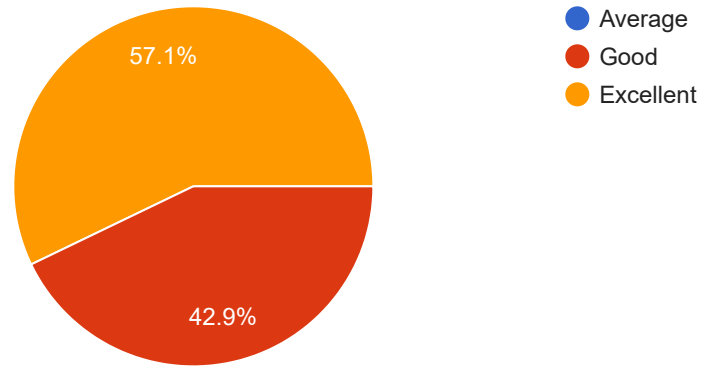
Interaction with the speakers during the session

21 responses

- Average
- Good
- Excellent

52.4%

47.6%

Copy
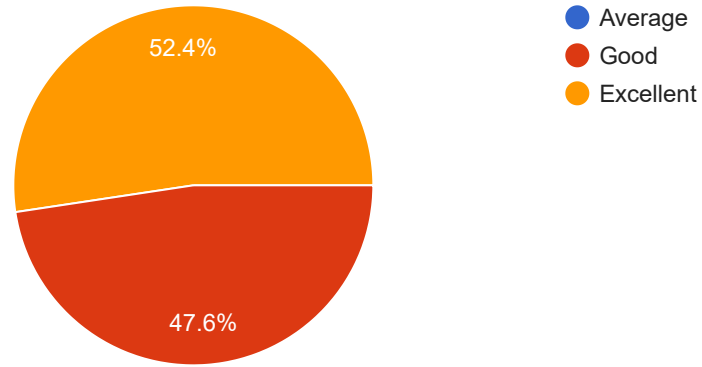
What are the strengths of the workshop?

18 responses

Good

Well organized

Eminent Speakers from IITs and other organizations

Topics selected were relevant to the current times, useful, Resource persons were highly knowledgeable, down to earth and organizers were approachable, responded very quickly to any queries. Great Event.

Eminent Speakers

Subject matter experts are too good and worth listening to every area they speak about.
Very well organized in terms of Time, Online access, and Options to discuss.
Opportunities to interact and work for country's security is a once in lifetime chance, which we got via e-voting problem statements.

Concept

Topics are good

Highly sciential speakers and time punctuality of the sessions

Well organised

Resource persons

Excellent knowledge delivery

Timely management

Good speakers

Time Management, Excellent Speakers from IIT , NITs and other reputed Institution

Very much informative.

What are the drawbacks of the workshop?

14 responses

None

Nil

NIL

Nik

More days with hands on

I don't find any.

No

No drawbacks

Attracting More participants

Did not see much participation from other Colleges and Other Departments of JNNCE

No drawbacks

Google Forms