



# SYMPHONY

NEWSLETTER OF THE THIRUVANANTHAPURAM CHAPTER  
OF THE COMPUTER SOCIETY OF INDIA

APRIL- JULY 2021  
Vol.44, No. 3

*An initiative to foster a culture of innovation and creative thinking amongst students to address the societal need through Science and Technology.*

## CSI-Inapp International Student Project Awards has been launched

The 10th edition of the CSI InApp International Student Project Awards has been launched on 18th January 2021. InApp has been organizing these awards in association with CSI (Computer Society of India), Trivandrum Chapter for students of engineering and science colleges in India from 2012. The award is initiated to recognize and promote Bachelor's Degree students across the globe who demonstrate exceptional talent in developing software applications. The award is juried by veterans from IT industry and cash prizes of Rs 50,000 and Rs 25,000 respectively are given for the best two student teams along with an award plaque.

Proudly, for the 10th edition, we join hands with the Kerala Technological University as our Academic partner to take this competition to the International stage and have invited students from foreign universities also to submit their original project work to be considered and evaluated by pioneers in the technology field. A number

of CSI members other than office bearers contributed to the successful launch of awards. The efforts by Dr. Vishnukumar S., NC Member CSI Trivandrum Chapter Mr. Basanth Kumar, MC Member CSI Trivandrum Chapter, Dr. Malu G., MC CSI Member Trivandrum Chapter Mr. Rajesh P, MC Member, CSI Trivandrum Chapter Anila Nair CSI Member, Mahesh R. CSI Member, Sri Satish Babu, President InApp, Sri Amarnath Raja, Executive Chairman InaApp, Sri Vijay Kumar, CEO InApp, Sri Biju Varghese, Senior HR Manager InApp, Smt Akhila S S, Software Engineer, Dr. Rajasree M S, Vice Chancellor, KTU, Arun Alex, Industry Attachment Cell Coordinator, KTU need special mention.

In this year 600+ entries were scrutinized in the first level. Seventy-two entries were passed to the second level screening, and 15 teams got selection for the final round. The scrutiny committee is constituted from faculty members of Kerala Technological University, InApp and CSI. The final award declaration will be done in the last week of August.

#	PROJECT ID	PROJECT NAME	COLLEGE	CITY	STATE	SECOND ROUND SCHEDULE	TIME SLOT
<b>Round 1</b>							
1	CSN2021-0345	Deep Learning Based Real Time Face Mask Detection And Social Distance Monitoring Using Jetson Nano	Amal Jyothi College Of Engineering	Kottayam	Kerala	July 31, 2021	9:00 - 9:30 am
2	CSN2021-0354	Disaster Management Bot With Fire Fighting Technology	MDM College Of Engineering And Pharmaceutical Science	Malappuram	Kerala	July 31, 2021	9:45 - 10:15 am
3	CSN2021-0355	Unsupervised Techniques For Lane Detection	TVM College Of Engineering	Kollam	Kerala	July 31, 2021	10:30 - 11:00 am
<b>Round 2</b>							
4	CSN2021-0481	Safar: A Smart Android Based Fare And Route Estimator App	University Institute Of Technology, Burdwan	Burdwan	West Bengal	July 31, 2021	11:30 - 12:00 pm
5	CSN2021-0484	Medical Image Translation	Saraswathi College Of Engineering & Technology	Surat	Gujarat	July 31, 2021	12:15 - 12:45 pm
<b>Round 3</b>							
6	CSN2021-0218	Face Recognition Based Locker And Gesture Based Home Appliances Control System For Disabled People	St. Xavier's Engineering College	Chennai	Tamil Nadu	July 31, 2021	2:00 - 2:30 pm
7	CSN2021-0313	Full Stack Development Of Task Rabbit Using Mern	BIT College Of Engineering	Villupuram	Tamil Nadu	July 31, 2021	2:45 - 3:15 pm
<b>Round 4</b>							
8	CSN2021-0257	Automated Public Distribution System Using Blockchain	Sree Chitra Thirunal College Of Engineering	Thiruvananthapuram	Kerala	August 1, 2021	9:00 - 9:30 am
9	CSN2021-0311	Object Detection In Poor Visibility Environments	College Of Engineering Trissur	Thiruvananthapuram	Kerala	August 1, 2021	9:45 - 10:15 am
10	CSN2021-0367	AI Predicting Software	KJ Somaiya Institute Of Engineering	Chennai	Tamil Nadu	August 1, 2021	10:30 - 11:00 am
<b>Round 5</b>							
11	CSN2021-0529	Stereo HDR Imaging	Mar Basilio College Of Engineering And Technology	Thiruvananthapuram	Kerala	August 1, 2021	11:30 - 12:00 pm
12	CSN2021-0575	Hyperface Implemented Multiplayer FPS Game	Federal Institute Of Science And Technology (FIIT)	Ernakulam	Kerala	August 1, 2021	12:15 - 12:45 pm
<b>Round 6</b>							
13	CSN2021-0124	Cross Modality Synthesis: MRI To PET	Rajagiri School Of Engineering	Kochi	Kerala	August 1, 2021	2:00 - 2:30 pm
14	CSN2021-0303	Bloclus - Incident Detection And Post Incident Analysis Framework Using Blockchain And Machine Learning	Tic H Institute Of Science And Technology	Ernakulam	Kerala	August 1, 2021	2:45 - 3:15 pm



# SYMPHONY

NEWSLETTER OF THE THIRUVANANTHAPURAM CHAPTER  
OF THE COMPUTER SOCIETY OF INDIA



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# Editor.Write( )

I am delighted to reach you as the Chairperson of CSI Trivandrum chapter for the year 2021-22. I am extremely honored and privileged to work along with esteemed office bearers and management committee members in line with the objectives and goals of CSI. I thank all my predecessors for their untiring efforts in streamlining the CSI governance. Following the path, we have decided to increase the number of management committee members locally by including more Government, Industry and Academicians to minimize the gaps between Industry, academia and Government.

Now we all are adjusting to live with new normal due to the COVID-19 pandemic, however, I am happy to inform that CSI Trivandrum chapter is very actively carrying out its mission by conducting various programmes, seminars and conferences to disseminate knowledge to IT Professionals. This is a unique platform where different generations of people participate with great enthusiasm.

The Symphony-Vol 44:No.3 releases with last three months' activities and it is worth to mention that Thursday seminars by Student community from various colleges are more attracted with outstanding performance in their presentations. Another highlight is that the CSI-Inapp International Student Project Awards have been launched and the award ceremony will be held in September 2021.

The current top trends in Information Technology which are in main stream are Artificial Intelligence, Connected Systems, Cyber-Physical systems, Cloud and Edge computing and moving to Industry 5.0, an increased collaboration between humans and smart systems with cognitive in nature is envisaging. Now the reach of Information Technology has its paramount and recent emergence of AI and disruptive technologies have successfully implemented in many sectors which include education, public affairs, health, agriculture, businesses, scientific interventions etc. But we need to explore and tap the potential of IT in some of the areas which are being pushed to the brink due to the advent of Industrialization or it remains by and large an unorganized and informal sector with its market potentials untapped. Cultural heritage is an area like historic monuments, archeological settlements, artifacts as well as myriad intangible layers such as oral traditions, rituals, social practices, native games, performing arts, indigenous products in crafts, arts, coir, handloom, all its wealth of hereditary knowledge and skills may be preserved through digitization and using advanced technologies. This would enable to strengthen a sustainable livelihood for the non-farm rural society and thereby safeguard the heritage culture and bring better economic and social impact to the nation also.

I request all CSI members to join to work together for its mission and contribute with a different thought processing for the betterment of the society.

Thanking You

With Warm Wishes  
**Elizabeth Sherly**

## An appeal to all members

A herculean effort has been made to curate the member database by the previous MC members. Finishing touches are still remaining. All members are requested to update their contact information. Please mail (csitvm@gmail.com), present or affiliation before retirement, email and mobile number. Also, please follow our chapter on the social media: facebook.com/csitvm | twitter.com/csitvm | linkedin.com/in/csitvm | youtube.com/csitvm | github.com/csitvm



## AWARD LEGACY OVER YEARS

Ten years ago, Inapp technologies and CSI Trivandrum Chapter came together to launch the first-ever student project awards and the legacy sustains with its true spirit even now



## Phoenix rise of Trivandrum Chapter during 2020-2021

Amidst the COVID Pandemic, we all witnessed a phoenix rise of our CSI Trivandrum chapter by the team under the leadership of Prof. Achuthsankar S. Nair during 2020-2021. The introduction of Weekly talk, FC Kohli commemorative National Tech talk Kaleidoscope talks, National Conference, Newsletters etc indeed set a right tract for the present MC members to follow. We appreciate the huge quantum of initiatives taken up by the then committee members especially the introduction of zero budget local initiatives. A special mention needs to be given for financial stability maintained throughout their tenure.

## Office bearers for 2021-22



The office bearers of CSI Trivandrum Chapter for 2020-2021 took over charge on 22nd April 2021. After due process decided by the AGM, the following office bearers have been nominated (i) Chairperson: Dr Elizabeth Sherly (0006874), IIITMK (ii) Vice-Chairman: Mr Basanth Kumar BS (1500883), Asianet (iii) Secretary: Ms Lekshmy Money (1504034), VSSC, (iv) Treasurer: Mr. Justin G

Russel (1503449). Managing Committee Members are Mr. Aswin P Chandran (1503448), Prof. Sumod Sundar (1505400), Mr. Rajesh P (0168490), Dr. Biji Christopher Leela (1505915). Nomination Committee Members are (i) Prof Babu K (0173720) (ii) Dr. Vishnukumar S (1104002) (iii) Dr Sabarish K (1503767)

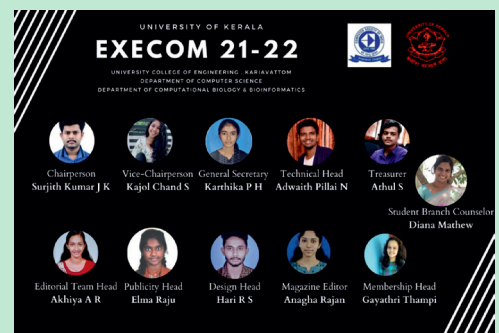
## Honorary Joint Secretary Nominated

The Management Committee of chapter has nominated Dr. Malu G., Digital University Kerala as the honorary joint secretary



## New CSI Student branch @ University of Kerala

CSI Trivandrum chapter appreciates the efforts of Ms. Diana Mathew Branch Counsellor in initiating a new student branch at University of Kerala (M10818). Officially the student branch was formulated on June 1st 2021 and the proactive team already selected the ExeCom for the year 21-22. We wish all success to the branch.



## Webinar on Cybersecurity in the Digital Transformation Age

Cyber Security is one of the most demanding field, considering its impact CSI Trivandrum chapter took up initiative with Red Team Hacker in hosting a webinar on "Cyber Security in the Digital Transformation Age" on 18th June. Jaizal Ali, Director and Abijith, Security Researcher, RedTeam Hacker Academy were the speakers for the webinar. Adithya Sudhakaran of S6 IT, Govt. Eng. College, Barton Hill, gave the introduction of the webinar and welcomed the speakers and participants.

Jaizal Ali started the session with a brief introduction about Digital Transformation and also about what we will achieve at the end of the session. He also gave us an insight about the high-rate usage of cloud and also its risk of being attacked. An idea of how analysts work and also how tests are done were discussed in detail. Various areas of research like offensive security, defensive security, ethical hacking penetration testing and so on were introduced. After the great technical session by Jaizal, Abijith took over the charge to give us a live hands-on session about how to insert a payload into an operating system. A payload is a set of data inserted into a system to gain control over it. The hands-on session was very interesting and few of the participants also did the payload insertion simultaneously. The webinar was noted for its quality and content

**WEBINAR ON CYBERSECURITY IN THE DIGITAL TRANSFORMATION AGE**

**Jaizal Ali**  
Director  
RedTeam Hacker Academy

**Abijith**  
Security Researcher  
RedTeam Hacker Academy

**18th June | 6pm to 8pm**  
**RESERVE YOUR SPOT**

**Google Meet ID : wcj-nvct-ntt**

**REGISTER NOW**

**@redteamacademy**

**Calicut | Kochi | Trivandrum | Kottakkal | Mangalore**

## A K Pujari Talk : Memorial Talk held on 15/05/2021

Dr. A.K. Pujari Memorial lecture talk was held on the 15th of May 2021 in fond memory of the well-known academician. The session was handled by Mr Amarnath Raja, executive Chairman of InApp Information Technologies (India) Pvt. Ltd., on the topic "Evolution of Computing Systems". Dr U. S Paul Russet chaired the session.

**CSI Trivandrum Chapter**  
**Dr. A.K. Pujari Memorial Talk on "Evolution of Computing Systems"**

**Shri Amarnath Raja**  
Shri Amarnath Raja is Executive Chairman of InApp Information Technologies India Pvt Ltd. An alumnus of IIT Delhi, he has worked in Miami, USA, Japan, JP Morgan Chase India. He is an active member of IEEE and has held the position of Kerala Section Chair. With the Social. IEEE, he was instrumental in forming the Special Interest Group in Humanitarian Technology and has helped in relief operations during the Asian Tsunami, Nepal Earthquake, Kerala Floods etc. He is a recipient of one of the highest awards for volunteers in IEEE, the Larry W. Nelson Humanitarian Award. He has also held the chairmanship of Computer Society of India, Trivandrum chapter in 1997.

**Chief Guests**  
**Dr. U.S. Paul Russet**  
Senior Assistant General Manager, Air India Engineering Services Limited, Maintenance Training Organisation, Palayam, Trivandrum. Fellow of The Aeronautical Society of India, Fellow of Institution of Engineers (India), Fellow of Institution of Electronics and Telecommunication Engineers, Senior member of Computer Society of India.

**Welcome:** Dr. Elizabeth Sherry  
**Inaugural speech:** **Dr. U.S. Paul Russet**  
**Dr. A.K. Pujari Memorial Talk:** **Mr. Amarnath Raja**  
**Voice of Thanks:** **Mr. Basanth B. S.**

**Agenda**  
**15th May 2021 Saturday 6.00PM IST**  
**Google Meet**  
**meet.google.com/wcj-nvct-ntt**  
**Live streaming available @ Facebook/YouTube**  
**Fb.com/csivtm | Youtube.com/csivtm**

## Welcome New CSI Life Members



**Smt. Vijayalakshmi K.**, ME (computer Science and Engineering) working as Engineer in Vikram Sarabhai Space centre, Thiruvananthapuram for 20 years. Involved in trajectory simulation software development, simulations to validate onboard systems of Launch vehicle. Interested in real time systems and data analysis.



**Shri. Abdul Haleem B.**, Senior Scientist, CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram & Faculty Member, Division of Engineering Sciences, Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, holds a Master's degree in Chemical Engineering from Indian Institute of Science, Bangalore. He has more than twenty years of industrial and research experience and is enthusiastic in finding Engineering solutions through computational and software techniques.

**Shri Venkatesh S S**, an Engineer having MBA and M.Tech in 'Soft Computing and Machine Learning' with 26 Years of Service. Presently working as Scientist in Vikram Sarabhai Space Centre and involved in Design and Development of Launch Vehicle Checkout Systems. Interested in Genetic Algorithms and Machine Learning Techniques.



## CSI Membership Campaign : Join CSI or Renew the Membership

Join a community of Computer enthusiast united by a common desire to continuously learn, share, collaborate, and innovate. Stay connected to us by being a member. To Join Visit : <https://www.csivtm.org/index.php/membership-forms>



# SAC student council : Governance Model for the Chapter



platforms to promote the CSI and the activities of the SAC.

## 5. SAC-Student Co-Chair (Design):

This Co-Chair is responsible making / editing promo video / colourful flyers pertain to SAC-organized activities. Promote the SAC activities through

Newsletters

## 6. SAC-Student Co-chair (Event):

This Co-Chair is responsible for coordinating or organize events connecting different student branches. This co-chair will likely be expected to work closely with SAC for National FC Kohli Tech talk series /conference in organizing student-led sessions.

## SAC -Student Vice Chairs:

The student vice chairs shall assist the chair/Co-Chair and should be playing leadership role similar to co-chair. Vice chair will also be a formal point of contact of student chapters

Shri. Mohammed Y Saifurulla IAS, Additional Secretary, Electronics & Information Technology Department inaugurated the SAC student council during the Kick off ceremony on 6th May 2021

Around the various application received in response to our call for SAC -student council formulation. The following members were nominated to SAC council

1. SAC-Student Chair: Kelvin Patric Melvin, Govt Engineering College Barton Hill
2. SAC- Student Co-Chair (Technical): Shaino Sajimon, Govt. Engineering College Barton Hill
3. SAC-Student Co-chair (Innovation): Nasny Nazeer, College of Engineering, Pathanapuram,
4. SAC-Student Co-Chair (Publicity): Nayana B., Govt. Engineering College Barton Hill
5. SAC-Student Co-Chair (Design): Lydia Thomas, College of Engineering Perumon
6. SAC-Student Co-chair (Event) : Malavika M. Hari, Govt. Engineering College Barton Hill

## SAC -Student Vice Chairs:

- 1 Meenu V., Govt . College of Engineering, Barton Hill
2. Devagovind J., College of Engineering, Perumon
3. Amrita S., College of Engineering, Perumonn

As we have to build a strong student work force to trigger the CSI activities, applications are invited from creative and dynamic CSI student Execom members to be a part of the CSI Student Activities Committee, CSI Trivandrum Chapter. The student council is responsible to (i) nurture and retain student workforce in the frontline with professional skills (ii) organize and promote National Tech Talk series (iii) organize and promote State level student convention (SLC) /Regional level student convention (RLC) / National level conventions (NLC) (iv) Outreach activities (v) Managing Web portal for reporting student activities (vi) Assisting Trivandrum chapter in running certification programs. In a way to channelling the student activities the following model was initiated by management committee for the smooth coordination with various student branches. It is not to be interpreted as over-riding the Bylaws of CSI.

## 1. SAC-Student Chair:

The SAC is actively working on getting more students involved in the CSI Trivandrum Chapter. The Chair will be responsible for promoting SAC and its efforts towards various student branches. He/She will be formal point of student chapters. Encourage membership drive targeting different educational institution. Promote outreach activities among school/Hearing impaired students (NISH)/others

## 2. SAC- Student Co-Chair (Technical):

This Co-chair is responsible for SAC Projects & Initiatives. The co-chair is also responsible for managing web portal/ Web-based coding Competitions. He/She should assist Trivandrum chapter in running certified programs.

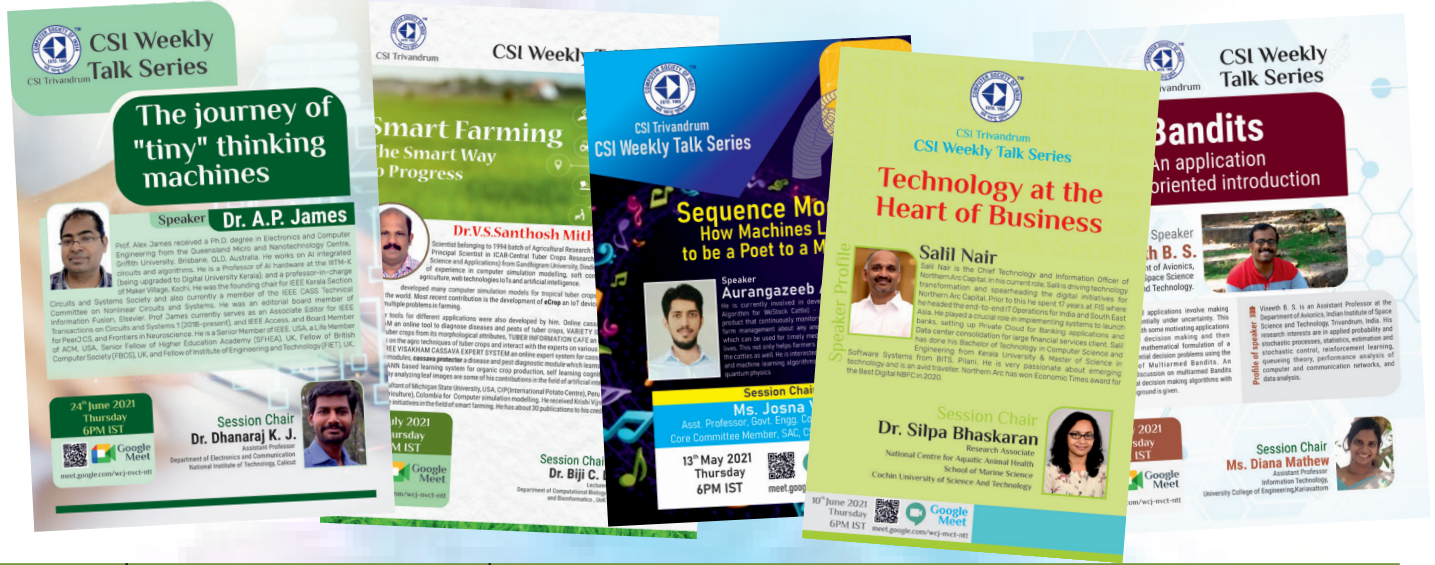
## 3. SAC-Student Co-chair(Innovation):

This Co-chair is responsible for promoting collaboration with other societies by jointly organizing events (hackathon/ online training for students.

## 4. SAC-Student Co-Chair (Publicity):

This Co-Chair is responsible for managing electronic communications as they pertain to SAC-organized activities. This will include maintaining an online presence as well as making announcements on social media

# CSI Weekly Talks held



Date	Topic	Speaker & Chair	Attendees
29.04.21	Explainable AI	<b>Ms. Athira Krishnan &amp; Mr. Chahat Agarwal</b> , TCS Rapid Lab, Trivandrum Chair: <b>Dr. Elizabeth Sherly</b> Director, IITMK & <b>Lakshmy Money</b> , Engineer, VSSC	38
13.05.21	Sequence Models: How Machines Learn to be a Poet to a Muscian	<b>Mr. Aurangazeab A. K.</b> Machine Learning Engineer, Brain wired, Kochi Chair: <b>Ms. Josna V. R.</b> , Assistant Professor, Govt. College of Engineering, Barton Hill	54
27.05.21	Appropriate Technology, Economic Development & Gross Domestic Happiness	<b>V. Ajayakumar</b> Director (Rtd), University of Kerala, Computer Centre Chair: <b>Mr. Neelakantan G</b> IT Consutant, Forman Chairman CSI	42
10.06.21	Technology at the Heart of the Business	<b>Mr. Salil G. Nair</b> Chief Information and Technology Officer Northern Arc Capital Chair: <b>Dr. Silpa Bhaskaran</b> Research Associate, School of Marine Science	38
24.06.21	The journey of "tiny" thinking machines	<b>Dr. A.P James</b> Associate Professor, IITMK Chair: <b>Dr. Dhanaraj K. J.</b> Assistant Professor, Department of Electronics and Communication, National Institute of Technology, Calicut	37
08.07.21	Smart Farming: The smart way to progress	<b>Dr. V. S. Santhosh Mithra</b> , Scientist, CTCRI, Trivandrum Chair: <b>Dr. Biji C. L.</b> Lecturer, Dept. of Computational Biology and Bioinformatics	34
22.07.21	Bandits: An application- oriented introduction	<b>Dr. Vineeth B. S.</b> , Department of Avionics, Indian Institute of Space and Science Technology Chair: <b>Ms. Diana Mathew</b> , Asst. Professor, Department of Information Technology, University Engineering College	32



**CSI Trivandrum Chapter**  
University Partner:  
Kerala Technological University

**Padmabhushan FC Kohli Commemorative**

**National Student tech talk Series**

**SESSION - 06**  
4 Crisp talks in 60 minutes

4<sup>th</sup> Thursday  
May 2021  
6PM IST

Google Meet  
[meet.google.com/vcy-mvst-vtt](https://meet.google.com/vcy-mvst-vtt)

**Speakers:**  
Aranya Narayanan  
ICT College of Engineering  
Topic: Unfolding Neural Network using adversarial attack

Aravind S  
College of Engineering Perumam  
Topic: Attendance Tracking System

Arundhan V  
College of Engineering Perumam  
Topic: Dark Web and the conspiracy theory

Chairman:  
Dr. Rajesh M.V.  
Executive Professor, Integral College  
Regional Student Coordinator,  
Computer Society of India

**CSI Trivandrum Chapter**  
University Partner:  
Kerala Technological University

**Padmabhushan FC Kohli Commemorative**

**National Student tech talk Series**

**SESSION - 07**  
4 Crisp talks in 60 minutes

20<sup>th</sup> May 2021  
Thursday  
6PM IST

Google Meet  
[meet.google.com/vcy-mvst-vtt](https://meet.google.com/vcy-mvst-vtt)

**Speakers:**  
Arundhan V R  
Model Engineering College Thrissur  
Topic: Bidirectional Vector Counter for crowd control

Aravind S  
College of Engineering Perumam  
Topic: Layers of Web and Site of Tor

Kesha Mary Jose  
Mar Basilio College of Engineering and Technology  
Topic: Connected ATM Transactions System

Arundhan V  
College of Engineering Perumam  
Topic: Concepts and Applications of Data Mining

Session Chair:  
Shri Harish CS  
Group Director, FSC

**CSI Trivandrum Chapter & CSI TKM Student Chapter**  
University Partner:  
Kerala Technological University

**Padmabhushan FC Kohli Commemorative**

**National Student tech talk Series**

**SESSION - 09**

17<sup>th</sup> JUNE 2021  
Thursday  
6PM IST

Google Meet  
[meet.google.com/vcy-mvst-vtt](https://meet.google.com/vcy-mvst-vtt)

**Speakers:**  
Tapan Manu  
TKM College of Engineering  
Topic: Deepfakes

Viney K Marayanan  
Rajaguru School of Engineering & Technology  
Topic: Data Science in Medical Domain

Alsal Rahman VP  
Sree Chitra Thirunal College of Engineering  
Topic: Digital Privacy

Arundhan V  
College of Engineering Perumam  
Topic: The Brain-Machine Interface

Session Chair:  
Dr. Arun Anirudhan V  
Senior Engineer D, SCTMS & Post Doctoral Fellow at IIT Hyderabad

**CSI Trivandrum Chapter & CSI SB College of Engineering Perumam**  
University Partner:  
Kerala Technological University

**Padmabhushan FC Kohli Commemorative**

**National Student tech talk Series**

**SESSION - 10**

1<sup>st</sup> JULY 2021  
Thursday  
6PM IST

Google Meet  
[meet.google.com/vcy-mvst-vtt](https://meet.google.com/vcy-mvst-vtt)

**Speakers:**  
Kajal Libi  
College of Engineering Perumam  
Topic: Unfolding Internet mysteries

Sorana Isaac  
Rajaguru School of Engineering and Technology  
Topic: TinyML and the Ecological Purpose

Kevin Jacob  
Mar Basilio College of Engineering and Technology  
Topic: CoTrack19 Application

Sandya Rajesh  
College of Engineering Thiruvananthapuram  
Topic: Ensuring food security and quality through Technology

Session chair:  
Dr. Oji Thomas Lee  
Associate Prof. & Head of Dept. of Computer science and Engineering,  
College of Engineering Kelambra

**CSI Trivandrum Chapter & College of Engineering, Pathanapuram**  
University Partner:  
Kerala Technological University

**Padmabhushan FC Kohli Commemorative**

**National Student tech talk Series**

**SESSION - 08**  
4 Crisp talks in 60 minutes

3<sup>rd</sup> JUNE 2021  
Thursday  
6PM IST

Google Meet  
[meet.google.com/vcy-mvst-vtt](https://meet.google.com/vcy-mvst-vtt)

**Speakers:**  
Saraswathi Durganah  
Waggon college of engineering  
Topic: Design of OFF-GRID solar PV system using PVSyst software

Abhisuthi D.R  
College of Engineering Pathanapuram  
Topic: An Introduction to Figma

Joseph P Mathew  
Mar Basilio College of Engineering and Technology  
Topic: A walkway through AI powered Traffic

Sekanya M V  
Sree Chitra Thirunal College of Engineering Thiruvananthapuram  
Topic: ML with wine to lands

Session Chair:  
Dr. Premnath K C  
Associate Prof. of Computer Science & Technology at Anglia Ruskin University

**CSI Trivandrum Chapter & Lourdes Matha College of Science and Technology**  
University Partner:  
Kerala Technological University

**Padmabhushan FC Kohli Commemorative**

**National Student tech talk Series**

**SESSION - 11**

20<sup>th</sup> July 2021  
Thursday  
6PM IST

Google Meet  
[meet.google.com/vcy-mvst-vtt](https://meet.google.com/vcy-mvst-vtt)

**Speakers:**  
Dan Mathews Robin  
Lourdes Matha College of Science and Technology  
Topic: Higher Order Orthogonal Iteration of Tensors (HOO-Iter Subspace Learning)

Ravina Mariam Jose  
Digital University Kerala  
Topic: Visual Salience

Riji Joy  
Lourdes Matha College of Science and Technology  
Topic: Digital Jewellery

Aishwarya S  
Lourdes Matha College of Science and Technology  
Topic: A literature study on machine learning based web IoT

Session Chair:  
Dr. Deepthi P S  
Dept. of CSE,  
LBSITW Institute of Technology for women, Changanassery

## FC Kohli National Tech Talk Series

CSI Trivandrum chapter started collaborating with various CSI student branch in hosting the national tech talk series. The following student branches hosted the event: (i) Marbaselios college of Engineering (ii) College of Engineering Pathanapuram (iii) College of Engineering Perumam (iv) Lourdes Matha College of Engineering

**COLLEGE OF SCIENCE & TECHNOLOGY**  
Bureau Veritas Certified ISO 9001:2015 Institution  
Managed by Archdiocese of Changanacherry

**A WALK THROUGH CSI**

@12 noon IST  
05th WEDNESDAY  
MAY 2021

**Dr. Elizabeth Shirley, Chairman**  
CSI Trivandrum Chapter

**Dr. Biji C.L. Chairperson,**  
SAC, CSI Trivandrum Chapter

**Shaino Saji**  
Vice Chairman  
CSI Student Branch, GECBH

**Ms Nayana**  
Publicity Head,  
Student Branch, GECBH

**Kevin Patric Melvin**  
CSI Student Branch  
Chairman, GECBH

**SESSION HANDLED BY**

**A WALK THROUGH CSI-21**

On 17th July 2021 | 12 PM

Venue: Google Meet  
COMPUTER SOCIETY OF INDIA  
LBSITW, Poojapura

**Dr. Elizabeth Shirley**  
Chairman,  
CSI TVM Chapter

**Mrs. Lekshmy Money Aswin P Chandra**  
Secretary,  
CSI TVM Chapter

**Edumo Pvt Ltd**

**Dr. Biji C. L**  
Chairperson, SAC

**Kelvin Patric Melvin**  
Student Chair, SAC

**Shaino Sajimon**  
Co chair, CSI SAC

<https://meet.google.com/euc-sphk-ycm>

**A WALK THROUGH CSI**

ON 22 ND JUNE 2021  
2.00 PM

**COMPUTER SOCIETY OF INDIA**  
COLLEGE OF ENGINEERING PERUMAM

**SESSION HANDLED BY:**

**Dr. Elizabeth Shirley**  
Chairman  
CSI TVM Chapter

**Dr. Biji C.L**  
Chairperson, SAC

**Dr. Shaina**  
SAC

**Mrs. Lekshmy Money**  
Secretary  
CSI TVM Chapter

**Kelvin Patric Melvin**  
SAC - Student Chair

**Shaino Saji**  
SAC - Student Chair

<https://argo.page>

**A WALK THROUGH CSI**

21st Wednesday  
April 2021  
2:30pm IST

**Dr. Achuthankar E. Nam**  
Chairman  
CSI Trivandrum Chapter

**Dr. Biji C.L**  
Chairperson, SAC  
CSI Trivandrum Chapter

**Mr. Rishu K R**  
Branch Counsellor,  
GECBH

**Kevin Patric**  
Chairman  
GECBH

**Mr. Anand**  
Publicity Head,  
SAC, GECBH

**Shaino Saji**  
Vice Chairman  
CSI Student Branch, GECBH

**A WALK THROUGH CSI**

8<sup>th</sup> Thursday  
April 2021  
6pm IST

**Dr. Achuthankar E. Nam**  
Chairman  
CSI Trivandrum Chapter

**Dr. Biji C.L**  
Chairperson, SAC  
CSI Trivandrum Chapter

**Kevin Patric**  
Chairman  
GECBH

**Shaino Saji**  
Vice Chairman  
CSI Student Branch, GECBH

<https://meet.google.com/vcy-czyk-pyk>

## CSI Trivandrum Chapter: SAC Orientation

Student Activity committee together with management committee members disseminate all support for various student branches in setting up with the governance model starting up with the executive committee to initiation of various local activities. A team led by the chairman initiated a SAC orientation drive and could successfully trigger various branches.

## CSI @ Social Media

Computer Society of India (CSI) started operations in Trivandrum in 1976. With the advent of Social Media platforms, CSI decided expand activities into them during January 2015 by publishing huge volume of training materials and videos into platforms like WhatsApp, YouTube, Twitter, GitHub, LinkedIn, Facebook etc. Since COVID-19, CSI decided to deliver programs primarily through these channels. Since January 2021, all CSI events are live streamed in YouTube and Facebook. Following are some of the statistics about CSI's Social Media presence.

- WhatsApp (9400796741): CSI Kerala Members group has 223 participants
- YouTube (youtube.com/csivtm): 165.9 hours of Watch time, 6776 views so far and 119+ subscribers
- Facebook (fb.com/csivtm): 702 page likes, 707 followers, 35 check ins
- Twitter (twitter.com/csivtm): 44 tweets, 28 followers
- LinkedIn (linkedin.com/in/csivtm): 794 connections, 810 followers, 53 profile views, 182 post views, 349 search appearances
- GitHub (github.com/csivtm): 8 repositories

CSI Trivandrum chapter appreciates the efforts of Mr. Rajesh P.(MC member), for positively engaging social media activities.

**Major initiative for an online nationwide hackathon to provide students with a platform to solve some of the real-world challenges.**

## National hackathon 2021

CSI Trivandrum chapter in association with ICFOSS is organising a National hackathon this year. The purpose of this hackathon is to make students work together for a societal cause. In this era of technological revolutions, it is important to ensure that every level of people is being benefited by modern technologies including rich, poor and most importantly the differently abled ones. Most of the time we forget the fact that they too are humans like us to be benefitted from the common technologies prevalent in society. So here, we are planning to organise a hackathon beneficial for the differently abled people of our society.

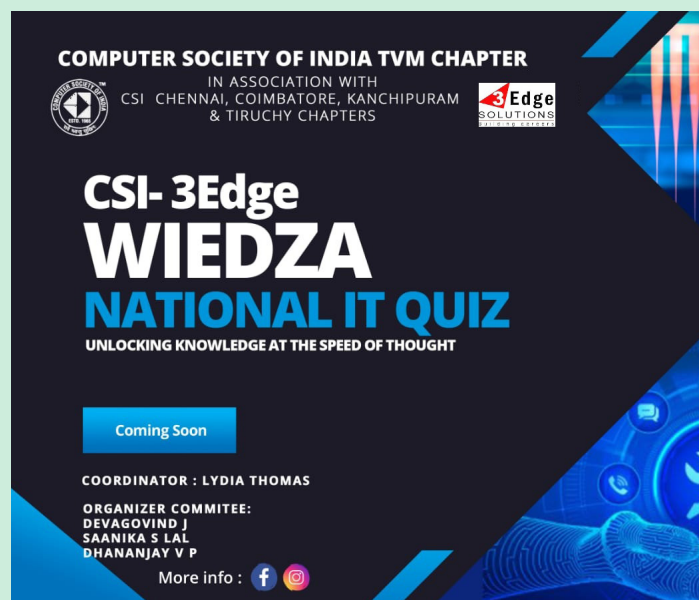
The theme of our hackathon will be innovations for differently abled categories of people. Participants can choose any of the problem statements provided below and make their own creative innovation on the above theme.

### Problem statements for our hackathon:

- Chatbot for differently abled people.
- Mobile Application for differently abled people.
- Web Application for differently abled people.
- Open innovation (can include any technology that support differently abled people)

## WIEDZA National IT Quiz

Computer Society of India in association with CSI Chennai, Coimbatore, Kanchipuram and Tiruchy Chapters presents «CSI- 3Edge WIEDZA National IT Quiz» for unlocking the Knowledge at the speed of thought. Wiedza is a Nation wide quiz to celebrate Technology with a healthy competition of Knowledge. Students from all over the country get the opportunity to represent their colleges through this enthralling event. Each College could be represented by a total of 2 teams with each team consisting of 2 members. The total sum of the participating teams is reduced to 30 through a preliminary screening. After which a series of different rounds are introduced and the top 10 teams enter the semifinals. Later 5 teams qualify for the Final Round of «WIEDZA National IT Quiz» where they compete in a riveting Live Contest to emerge as the Quiz Champions!



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