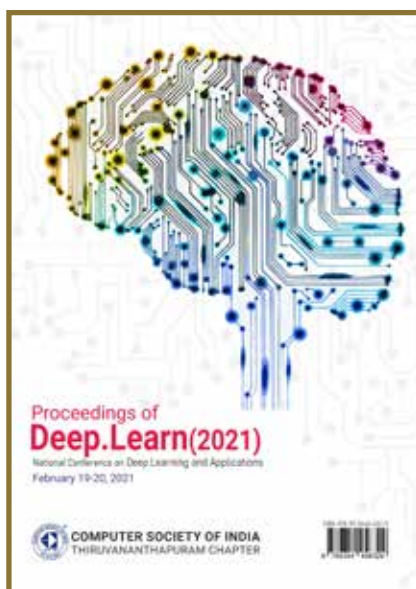




## Deep.Learn(2021) National Conference Concludes Successfully

The Chapter's flagship event of 20-21, the National Conference on Deep Learning (Deep.Learn(2021)) concluded successfully with key-note address, three plenary talks, and 25 research paper presentations in two tracks. The event was declared inaugurated on 19th February by Dr Usha Titus, Chairperson of Additional Skill Acquisition Programme of Govt of Kerala, amidst strict Covid protocol. She also released the Proceedings published with ISBN number. Prof. Elizabeth Sherly, Director of IIITMK, Prof. Achuthsankar S Nair, Chapter Chairman, Smt Anita Nair, Chapter Secretary and Anoop Ambika, CEO of Clap Research took part in the inaugural function. Felicitations were offered by Ms. Philomina Simon, MC Member, CSI, Dr. Malu G., IIITMK, Mr. Kevin Patric, Chairman (CSI SB) GCBH, Ms. Misaj S., DCS, UoK, Dr. Rani J.R., DCB, UoK; and Dr. Biji C.L., DCB, UoK. The conference proceedings was released during the



inauguration. The venue of the conference was the Darwin Babbage Hall in the Dept of Computational Biology & Bioinformatics at Karivattom Campus of University of Kerala. The conference was organized by the Chapter, jointly with IIITMK, Clap Research, Technopark and Dept of Computational Biology & Bioinformatics (SIUCEB), University of Kerala. Prof Deepak Garg of Bennet University delivered the key-note speech. Plenary talks were delivered by Prof Prahlad Vadakkepat (National University of Singapore), Robin Tommy (Rapid Lab, TCS), Dr Liza Jo (formerly with Royal Philips). A special session of student presentations was also featured. 25 research papers were presented in two Tracks. Dr. Achuthsankar S. Nair, Dr. Umesh P., Dr. Vinod Chandra S. S., Dr. Sheeba K., Dr. Vishnukumar S. and Dr. Gopakumar G chaired various sessions.

Deep.Learn(2021) Best Paper Awards went to Aswathy A.L. (University of Kerala) for her paper entitled *Brain Abnormality Detection in Flair Images Using Faster R-CNN* in Track-1 and Govind Maheswaran (EY) for his paper entitled : *Predicting Product Success Using Video Analytics* in Track -2



# SYMPHONY

NEWSLETTER OF THE THIRUVANANTHAPURAM CHAPTER  
OF THE COMPUTER SOCIETY OF INDIA



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*Philips, Bangalore*

# Editor.Write()

I am happy that the second issue of Symphony also has come out on time. I hope it will be well received by the members and well-wishers, like the first issue.

One of the issues that plague our chapter is the uncertainty in the HQ of CSI, following severe differences of opinions and litigations. It is very difficult to make sense of what is happening and take a fair stance. The present management committee has taken a considered stance that it is better to fully utilise our energy to conduct local activities than get entangled in seemingly endless differences of opinion. The committee is happy that we could make modest achievement in re-booting the chapter with regular weekly talks, taking up a massive outreach programme for school students (covering 500 students), organizing a number of webinars, launching FC Kohli Memorial National Student Tech Talk Series (with Kerala Technology University as partner), organizing a National Conference on Deep Learning and publishing its proceedings, sponsoring an exhibit to the Kerala State Science and Technology Museum, initiating an archival library, publishing Symphony newsletter, regularly holding and professionally documenting management committee meetings, updating the membership directory, re-activating institutional membership liaison and taking up new student member initiatives, re-organizing the CSI office file system and to top it all, ensuring financial stability.

By the time this news letter reaches your hands, I would have demitted office as Chairperson of the Chapter, along with my fellow members of the Chapter Management Committee. I sincerely thank all the chapter members for the cooperation extended to me and the affection showered. It was a pleasure working with the chapter management team. We were in perfect sync, understanding and supporting each other. As I mentioned last time, the present management committee got only six months time due to delayed elections, thanks to Covid. The committee has done its best during these six months, but I sincerely feel that our achievements may be considered as below potential. Our chapter has members whose synergy can achieve many-fold more. I look forward to the incoming team moving closer to such full potential.

**Prof. Achuthsankar S. Nair**



## An appeal to all members

A herculean effort has been made to curate the member database. Finishing touches are still remaining. All members are requested to update their contact information. Please mail ([csitvm@gmail.com](mailto:csitvm@gmail.com)) or WhatsApp your correct address to 9495831863 (John in Chapter Office), present or affiliation before retirement, email and mobile number. Also, please follow our chapter on the social media: [facebook.com/csitvm](https://facebook.com/csitvm) | [twitter.com/csitvm](https://twitter.com/csitvm) | [linkedin.com/in/csitvm](https://linkedin.com/in/csitvm) | [youtube.com/csitvm](https://youtube.com/csitvm) | [github.com/csitvm](https://github.com/csitvm)





## Photo Gallery • Deep.Learn(2021) National Conference • 19-20 February 2021

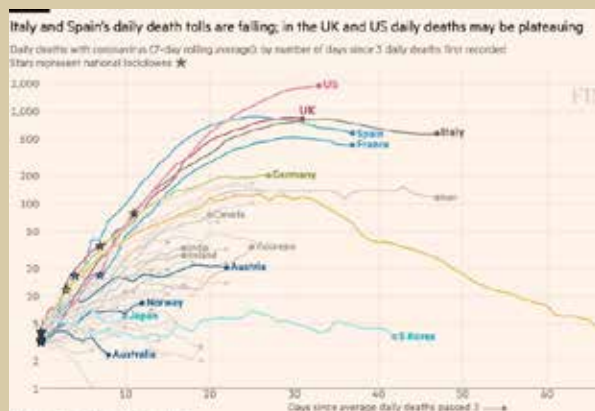
Deep Learn 2021 was noteworthy not only for its technical content, but also its eco-friendly, ethnic conduct. The whole event was organized in a green matter, avoiding plastic and including ethnic food in place of junk food. The conference inauguration was preceded by high tea, which was an opportunity for chapter members and participants to network. A number of CSI members other than office bearers contributed to the success of the conference. Dr. Malu G., Dr. Silpa Bhaskaran, Dr. Sheeba K., Dr. Biji C.L., Mr. Rajesh P need special mention.





# COVID-19 Data Analysis using Python

Chapter to offer next online Training Programme in April



Computer Society of India, Trivandrum Chapter in association with SHARE INDIA-CDC project (Society for Health Allied Research & Education India) and Department of Computational Biology and Bioinformatics, University of Kerala will organize an online training programme on Covid-19 Data Analysis using Python. This follows a successful run of the first course in November 2020 with 25 diverse participants. Course Instructor for the programme is Dr. Biji C.L, member, CSI, who will be supported by Ms. Chithra Kishore, Founder Kreative Technology Solution. The course is designed for health practitioners to generate insights about Covid-19 dataset and learn data analytics skill with Python thereby empowering them.

Experience the novel format for modern times. 20 brief, crisp and focussed talks in one hour —

Thursday 25 March 2021 6PM IST

Google Meet: [meet.google.com/wcy-dvct-ett](https://meet.google.com/wcy-dvct-ett)

**TRIVANDRUM CHAPTER**

**KALEIDOSCOPE IT TALKS**

**20 FLASH TALKS ON IT in 60 MINUTES**

1. Mr. Satish Babu, Trappalancherry, Topic: Control Risk, Digital Coverage
2. Dr. Rajan Varghese, CUBAF, Topic: Understanding the Big
3. Mr. Anand K, Topic: Multiple Object Tracking and Detection
4. Mr. Nisha Kishore, KRCET, Topic: Software Engineering
5. Mr. Priya Manoj, BPT, Topic: Advanced Visual Object Tracking
6. Mr. Naveen J, SCARLETH, Topic: Electronic Design - IoT
7. Mr. Maheshwar N. Nair, IIT, Topic: Artificial Image Compression
8. Mr. Divya Mathew, IIT, Topic: Artificial Intelligence for Intelligent Segmentation
9. Dr. Rishi C, IIT, Topic: AI Art
10. Mr. Ajay N, KRCET, Topic: Software Engineering
11. Dr. Shweta K, IIT, Topic: GPT-3
12. Mr. Divya Manoj, KRCET, Topic: Image Segmentation
13. Mr. Nisha K, IIT, Topic: Artificial Intelligence for Intelligent Segmentation
14. Mr. Nisha K, IIT, Topic: Artificial Intelligence for Intelligent Segmentation
15. Mr. Nisha K, IIT, Topic: Artificial Intelligence for Intelligent Segmentation
16. Mr. Nisha K, IIT, Topic: Artificial Intelligence for Intelligent Segmentation
17. Mr. Nisha K, IIT, Topic: Artificial Intelligence for Intelligent Segmentation
18. Mr. Nisha K, IIT, Topic: Artificial Intelligence for Intelligent Segmentation
19. Mr. Nisha K, IIT, Topic: Artificial Intelligence for Intelligent Segmentation
20. Mr. Nisha K, IIT, Topic: Artificial Intelligence for Intelligent Segmentation

## A Kaleidoscope of Talks

20 crisp talks in an hour

Times have changed. The span of attention of listeners has shortened in the age of social media overload. CSI Trivandrum Chapter tested out a new format that suits the modern times. Weekly talk organized by the Chapter on 25th March was on a new format. It featured no less than 20 speakers in 1 hour! Each speaker talked crisply on some interesting development in IT field. Each used a PPT of 3-5 slides preceded by a self-introduction slide. PPTs were collected in advance and merged and shared by the organizer, for smooth time and speaker management. The new format was well received by the audience and noted for dynamism, diversity and uniqueness. The event was inaugurated by Mr Satish Babu, Past Chairman, who himself gave the first flash talk. Those who gave talks were from both academia (University of Kerala, IIST, various Engineering Colleges, CTCRI) and also industry (Inapp, Clap Research, TCS)

## Feedback on Symphony Oct-Dec 2020.



First of all, let me congratulate the new vibrant office bearers for bringing out an excellent newsletter. Symphony has lived up to its name in the true sense- it is a symphony of past, present and future activities of the chapter. There was an exciting whiff of all new upcoming activities as well as the nostalgic lingering scent of past activities. However I have a few suggestions for you to consider 1. Please have a number-like issue number or some numbering mechanism for every edition 2. You have conducted a number of webinars- request the speakers to give a one page write up on the salient points of their talk so that it can be included in symphony for the benefit of those who missed hearing them. 3. Like you have done in this edition, have a column 25 years ago this time, if there is anything significant to publish from the archives of CSI office. Otherwise, the coverage of events is good, and kudos to the editorial team for bringing out such a readable Symphony.!

**Dr. Valsa B.**

# FC Kohli Commemorative National Student Tech-Talk Series



In a homage to the former CSI president and IT visionary, CSI Trivandrum Chapter has initiated FC Kohli Commemorative National Tech Talk Series as a platform for young students to make IT talks. The APJ Abdul Kalam Technological University of Kerala is the University partner for the event. The inaugural session was conducted with 6 crisp student talks for 60 minutes on 28-01-2021. The event was chaired by Mr. Robin Tommy, Head TCS Rapid Lab. In view of ease of time management, the number of talks have been reduced to 4 per day.

മുഖ്യാമുഖം:

## കവിയും കമ്പ്യൂട്ടറും

CSI തിരുവനന്തപുരം ചാപ്റ്ററിന്റെ പ്രതിവാദ പ്രഭാഷണത്തിന്റെ പരമ്പരയിൽ ജനുവരി 21-ാം തീയതി നടന്ന പ്രഭാഷണം വേറിട്ടു നിന്ന ഒന്നായിരുന്നു. അതീത ലോകത്തിന്റെ അനുഭവം ഉൾക്കൊണ്ട് മലകളെയും ആഴികളെയും നക്ഷത്രങ്ങളെയും കാലത്തെതന്നെയും കടന്ന് കാഴ്ച കാണുന്ന മലയാളത്തിന്റെ പ്രിയ കവി മധുസൂദനൻ നായരായിരുന്നു അന്ന് പ്രഭാഷണം നടത്തിയത്. കേരളത്തിന്റെ ഐ ടി വ്യവസായത്തിന് മണ്ണൊരുക്കിയ ടെക്നോപാർക്ക് സ്ഥാപക C.E.O ശ്രീ. ജി. വിജയരാഘവന്റെ അധ്യക്ഷം ഈ പ്രഭാഷണത്തിന് മറ്റൊരു മാനം കൂടി സൃഷ്ടിച്ചു. പ്രഭാഷണം സംഭാഷണത്തിലേക്ക് വഴുതി വീഴുകയും ചെയ്തു. GPT3 രചിച്ച Universe is a Glitch എന്ന കവിത കേട്ട് കവി പ്രതികരിച്ചു. തിങ്ങനെ “പ്രകൃതിയിലെ തനതു സൃഷ്ടിക്ക് ചത്തമുണ്ട്. അനുഭവത്തിന്റെ കൂടി അടിസ്ഥാനത്തിൽ നാം കാണുന്നതും കേൾക്കുന്നതും പുതുതായി ആവിഷ്കരിക്കുകയാണ് കവി ചെയ്യുന്നത്. അതിന് കാവ്യാവിഷ്കാരം ഉൾക്കൊള്ളണം. ഇന്ന് കമ്പ്യൂട്ടറുകൾ സാഹിത്യ ഡാറ്റാബേസുകളിലൂടെ, സംഭാഷണ ഡാറ്റാബേസുകളിലൂടെ ഏതോ തലത്തിൽ അനുഭവ സ്വാംശീകരണം നടത്തുന്നുവെന്ന് വേണം കരുതാൻ. കവിത എഴുതുന്ന കമ്പ്യൂട്ടറുകൾ അതാണ് സൂചിപ്പിക്കുന്നത്. കമ്പ്യൂട്ടറുകൾ കവിത രചിക്കുമ്പോൾ അവ ഭ്രഷ്ടി തുല്യമായി മാറിക്കഴിഞ്ഞു. ദൈവങ്ങളുടെ ദൈവമാകാനാണ് അവ കുതിക്കുന്നത്.”

## Student Activities Committee

Student activity committee was constituted on Feb 5th 2020. Dr. Biji C.L., Lecturer, Dept. of Computational Biology and Bioinformatics was nominated as chairperson, Dr. Jisha Jhon , Associate Professor, Dept Computer Science and Ms. Philomina Simon as Core committee members. The committee has been very active as soon as it was constituted. The chapter had initiated FC Kohli Commemorative National Student Tech Talk Series as a platform for young students, on alternate Thursdays. The SAC has taken over its conduct and successfully held three sessions series on 11-02-2021 , 25-02-2021 and 11-03-2021 which were chaired by Mr. Gokul Alex, Cofounder, Gigamesh Garage Ventures , Mr. Anoop Ambika, CEO, CLAP Research and Ms. Geethu Shivakumar, CEO, PACE . The prestigious National Tech Talk series was inaugurated by Mr. Robin Tommy, Innovation Head, Rapid Lab TCS. SAC has started its operation communicating the benefits of CSI student branches to more colleges, some of which have responded with interest. The primary vision of SAC is to nurture and retain student workforce in the frontline with professional skills . SAC support each student branches for their technical, professional and humanitarian development. It is planned to (i) formulate a SAC student council and SAC has initiated steps to notify expression of interest to various student branches (ii) to promote bilingual academic writing (iii) to jointly organize events with CSI Trivandrum chapter (iv) to open a new student branch @ UoK and IIST (v) Web portal for reporting student activities



## J T George contributes MINSK Computer Parts



The first computer to make its appearance in the city of Trivandrum was in VSSC in 1960s and its computer division was headed by John T George who was founder Secretary of the Trivandrum Chapter and is one its senior most members.

He continues to be an active member of the Chapter. He has graciously contributed computer parts of MINSK for setting up an exhibit in the Computer Gallery of Kerala State Science and Technology Museum. The chapter has sponsored this exhibit and the same was opened in the KSST Museum in the presence of Sri J T George, Dr Padmakumar, Director of the Museum and office bearers of the chapter.

Sri J T George holds a degree in Telecommunication,

a Masters Degree in Physics, and a diploma in Radio Engineering. He started his career in 1957 in the Nuclear Instrumentation Group at the TIFR, Mumbai. In 1963, when the Thumba Equatorial Rocket Launching Station (TERLS) was established, the computer, MINSK2, came from the Soviet Union. The very next year George was sent to TERLS by Prof. M.G.K Menon of TIFR to establish the MINSK Computer center and train the personnel required. Thus began his long and fruitful career of over three decades in the Vikram Sarabhai Space Centre (VSSC) during which time he made significant contributions to Management Information Systems, static testing of rocket motors, test and evaluation of electronic packages for launch vehicles, etc. He, along with colleagues, designed an indigenous plotter for MINSK and made it print Malayalam. He retired from VSSC in 1996.



## Training of 500 students to complete in April

# Machine Learning for Schools...

CSI Trivandrum Chapter had joined hands with the Kerala Start-up Mission (K-SUM) and Dept of Computational Biology & Bioinformatics, University of Kerala to train 500 plus one school students in machine learning from 28th onwards. The 'Catch them Young' approach imparts hand-on experience in a selected cutting-edge Machine Learning model. Here are some feedbacks from young learners.

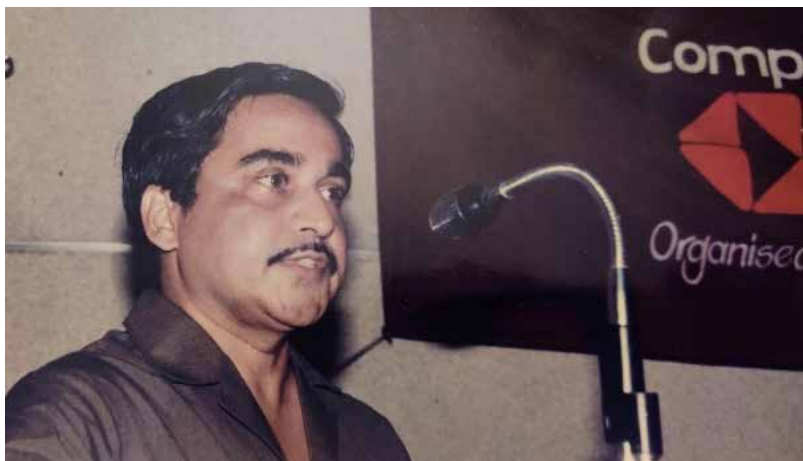
*"I am a Bio-Maths Student in SNTHSS Chathanoor, Kollam. The four day's introductory programme on AI and Machine Learning, was a marvellous experience for me. Now I feel so sad as I hadn't taken computer science as my stream. The classes made me think so. Now I understand how interesting the world of computers is.*

*I am C M Avani Nambiar. I am a plus one student In Mambaram Higher Secondary School, Mambaram. Four Day workshop on Machine Learning was very informative and educative. The teachers who have taken the class were very interactive and cooperative. I was able to understand the basics of Machine Learning.*

*I am Maria Sajan studying at St. Augustine's Higher Secondary School Ramapuram. Actually i am very glad that I got the opportunity to attain the class for ML Training programme. I really get interested and got lots of information by attending the class. All the sessions were really amazing. But for me I liked the last day sessions as it was very much interesting and I got more knowledge about the field of AI by asking questions. I thank you for giving us the chance for clearing our doubts.*

Memorial Talk to be held in April

## Remembering Dr. A.K. Pujari



Dr Amiya Kumar Pujari, past chairman of CSI chapter (1994-96), was born in Sambalpur. And took Honours Degree in Electronics and Communication from IISc, Bangalore and PhD in Computer Science from IIT, Bombay. After graduation, he started his career as Technical Officer in Computer Division of ECIL (March 1972 - March 1977) where he was involved in the Design and development of the first indigenously developed 3rd generation computer TDC - 316 and 4th generation computer MICRO 78. He was also involved in real time software development of a micro computer based data logger. In 1977 he joined the University of Kerala where a new computer centre was set up during the Vice-Chancellorship of Prof R.S. Krishnan

and Dr Pujari became the Director of its Centre. He also was involved in academic activities of the new Dept of Computer Science, in its early years and other allied Departments. He led the computer centre during times when computers were fiercely opposed. He took efforts to gradually make the local community aware of benefits of computers. During early years the facility of the computer centre was utilised by many institutions within and outside Kerala. In 1990s, He spearheaded introduction of email in the University through ernet. In 1996, he moved to Orissa as General Manager/ CEO of OCAC and led the technical activities in OCAC, in all aspects of computerization, including consultancy, hardware installation, software development, training in many government departments and public sector undertakings in Odisha. He passed away in 2003 at Pattaya, Thailand. He is survived by his wife Nirupa Pujari and children Ashis Kumar Pujari and Ashpruha Pujari. The Amiya K. Pujari Award is given for the best paper of the "The Conference on Information Technology", an international conference and forum for research in the area of Information Technology. Dr. A. K. Pujari Scholarship is given for the best student in Science at DAV College Titilagarh. CSI Trivandrum Chapter has been holding AK Pujari Memorial talk for some years now. This year's talk will be delivered by Mr Amarnath Raja, in April.





# Weekly Talks on Thursdays

Date	Topic	Speaker & Chair	Attendees
07-01-2021	Bridging the Gap between IT Industry & Academia	<b>Dr.Vinod Chandra S.S.</b> , Professor, Department of Computer Science, University of Kerala. <b>Chair: Mr.Mahesh Ravindran</b> , Treasurer, CSI Trivandrum Chapter	47
14.01.2021	LoRaWAN	<b>Dr.Sabarish Karunakaran</b> , Immeidate Past Chairman, CSI Trivandrum Chapter. <b>Chair: Mr.Justin G Russel</b> , MC Member	16
21.01.2021	Computer & Human	<b>Poet Prof.V.Madhusoodanan Nair</b> , Poet. <b>Chair: Mr.G.Vijayaraghavan</b> , Founder CEO, Technopark.	62
28.01.2021	FC Kohli Commemorative National Tech Talk Series-1	<b>Aswathy S. Krishna</b> , UoK • <b>Ranjith Katta</b> , UoK • <b>Misaj S</b> , UoK • <b>Ebin T.S.</b> , University Engg College • <b>Shaino Sajimon</b> , Govt Engg College, Barton Hill • <b>Nayana S.</b> , Govt Engg College, Barton Hill • <b>Chair: Mr.Robin Tommy</b> , Head, TCS Rapid Lab	63
04.02.2021	Future of Work	<b>Mr.Sunil Raveendran</b> , Head, Innovation and Global Blockchain CoC (India). <b>Chair: Mr.Sreekanth P.Krishnan</b> , Vice-Chairman, CSI Trivandrum Chapter	46
11.02.2021	FC Kohli Commemorative National Tech Talk Series-2	<b>Chair: Mr.Gokul Alex</b> , Co-Founder, Giigamesh Garage Vntures. • <b>Devu Bhupesh</b> , UKF College of Engg, Kollam, • <b>Vishnu V.</b> , Government Engineering College Barton Hill <b>Afnan A.</b> , UCE, UoK • <b>Gokul Basu</b> , College of Engineering, Attingal • <b>Sneha Ramesh</b> , Lourdes Matha College • <b>Rahul Sunil</b> , MarBaselious Engineering College	67
18.02.2021	Neo4j	<b>Mr.Janardhanan P.S.</b> , Technical Consultant, SunTec Business Solutions Pvt Ltd. <b>Chair: Dr.Valsa B.</b> , Outstanding Scientist, Former Deputy Director, VSSC.	36
25.02.2021	FC Kohli Commemorative National Tech Talk Series-3	<b>Chair: Anoop P.Ambika</b> , Chief Executive Officer, CLAP Research. • <b>Vishnu P Kumar</b> , Mar Baselious College of Engg • <b>Varsha S</b> , UKF College of Engineering • <b>Jesna Joseph</b> , London South Bank University • <b>Lydia Thomas</b> , College of Engg, Perumon	46
04.03.2021	Geospatial Technology: The 4th Industrial Revolutionary Technology	<b>Ms.Jancy Jose</b> , MD, Strava Technology. <b>Chair: Dr.Biji C.L.</b> , University of Kerala,	53
11.03.2021	FC Kohli Commemorative National Tech Talk Series-4	<b>Chair: Ms.Geethu Shivakumar</b> , CEO, PACE • <b>Jyothika N</b> , SCT College of Engineering • <b>Ajmi.N</b> , UKF College of Engineering • <b>Navaneeth Venu</b> , Mar Baselios College of Engg • <b>Vedang Tamhane</b> , IISER Tirupati	48
18.03.2021	3D Printing Opportunities and Challenges	<b>Mr.Kulakkada Pradeep</b> , CEO, Future3D, Kochi • <b>Mr.Jose Thomas</b> , Partner Future3D. <b>Chair: Dr.Sheeba K</b> , University of Kerala	42
24.03.2021	Kaleidoscope IT Talks	<b>Mr.Satish Babu</b> , Inapp Infotech • <b>Dr.Silpa Bhaskaran</b> , CUSAT • <b>Ms.Aswathy P</b> • <b>Ms.Shini Renjith</b> , MBCE • <b>Ms.Priya Mariam Raju</b> , IIST • <b>Ms.Seena George</b> , ICAR-CTCRI • <b>Ms.Mehruniza Nazeem</b> , UoK • <b>Mr.Robin Tomy</b> , TCS • <b>Mr.Gokul Alex</b> , Gigamesh Garage Ventures. • <b>Mr.Sajil C.K.</b> , UoK • <b>Dr.Achuthsankar S.Nair</b> , UoK • <b>Ms.Diana Mathew</b> , UoK • <b>Dr.Biji C.L.</b> , UoK • <b>Ms.Ajmi N.</b> , UKF CoE • <b>Dr.Sheeba K</b> , UoK • <b>Ms.Devu Bhupesh</b> , UKF CoE • <b>Ms.Suma L.</b> , CoE, Karunagapally • <b>Ms.Ashwini Jayachandran</b> , UoK • <b>Ms.Josna V.R.</b> , GEC BH • <b>Mr.Anoop Ambika</b> , CLAP Research	97



The meeting link for Weekly talks on Thursdays, 6PM is:  
[meet.google.com/wcj-nvct-ntt](https://meet.google.com/wcj-nvct-ntt) (Same link is re-used)



## CSI Student Branch in Barton Hill Engineering College:

# A new Benchmark in Student Activities!

CSI Student Branch Government Engineering College Barton Hill (GECBH) established in 2008 set a Benchmark in promoting the interest of Computer society of India. The branch organised a very impressive quantum of events during 2020-2021. Proactive leadership displayed by Mr Kelvin Patric, Chairman and his team under the guidance of Ms. Josna V. R., Asst. Professor (GECBH) amidst the challenging time of COVID-19 marked yet another successful CSI Student Branch across India. A team of ten passionate students (Kelvin Patric along with

Gokul, Rahul, Shaino, Adityan, Meenu, Malavika, Nayana, Abhishek and Risvana) have joined hands in delivering their service in organising different events by pooling the talent among themselves and also seeking the support of their Alumni. The activities were not just limited to technical events rather included talk series of Dhanya Ravi: the glass woman of India, Food vlogger: Mrinal Das Vengalat, Sancharam: Santhosh George Kulangara and many others. Special efforts were done in promoting the event through social media there by benefiting a wider community.

*"The Path lighted out by my guru and mentor Late Prof. Krishnan Kutty rightly set us to unleash our creative potential and all credits goes to my lovely students who make it all happen amidst the pandemic"*

**Ms. Josna V. R., Student Branch Counsellor**



*"CSI transformed me from being a normal student to a successful leader by providing me an opportunity to lead a very strong and dynamic Executive committee"*

**Mr. Kelvin Patric, Branch Chairman**



CSI Trivandrum chapter appreciates the efforts played by the Execom 2020 at GECBH in organising more than sixty five events, thereby supporting students for their professional growth. A word of appreciation to Mr. Abhishek V. M., Design head and Ms. Nayana S., publicity head, in making creative plans for promoting events with colourful flyers which engraved the smiling faces of IT enthusiasts.



## Mar Baselios Student Chapter's flagship event:

# HATS OFF TO THE INGRESS HACKATHON 2021 WINNERS



**Ingress Hackathon 2021 Winners :**  
(Varsha Renjith, C Rachana, Sandhra Santeev, Sreya Mathew and Chris Dylan John of Mar Baselios College of Engineering)

CSI Mar Baselios College of Engineering (MBCET) Student Chapter in association with Department of Computer Science & Engineering and other professional bodies organized Ingress, a national event that lasted an entire week, ending with a hackathon on February 13th and 14th 2021. Before the hackathon at the end of the week, the precursor events took place from February 8th to February 12th, which consisted of webinars, workshops and talks by eminent

people from the tech industry. The theme of the hackathon was 'Build for the New Normal'. There were four tracks presented- AR/VR, AI/ML, Block chain and open innovation 38 teams all over India submitted the ideas and under AR/VR track, Varsha Renjith, C Rachana, Sandhra Santeev, Sreya Mathew and Chris Dylan John of MBCET won the prize for their project "Realta - an AR-based training platform that helps to upskill medical students on how to conduct themselves during the covid-19 pandemic"

# Memories of Prof. Krishnan Kutty: A Tribute

CSI Trivandrum chapter gratefully remembers the contributions of Late Prof. Krishnan Kutty, a successful teacher and mentor. He was a leader who set a remarkable impact in student community and left an unforgettable legacy for the young generation. CSI Student branch GECBH recollect all his kindness and active contribution in building a strong foundation of CSI student chapter at their campus. The growth of various CSI student branches across Kerala were made possible by the tremendous contribution and support of Prof. Krishnan Kutty. We fondly remember his commitment during the compilation of the technical magazine "Interface". When we turned back the pages, his editorial message, "Our magazine might not be of international repute. Being the first issue, mistakes are bound to happen."



Prof. Krishnan Kutty during the Inauguration of CSI Student branch on 14th November 2008

*But we've strived to put our best foot forward in our quest for excellence. I hope this primal edition of 'Interface' will inspire more students to contribute more articles in the future and take this humble initiative to staggering heights" still holds inspiration. . Along with his professional contributions and service, his positive outlook will stay with us for years to come!*

CSI Trivandrum chapter appreciates the efforts of CSI student chapter of College of Engineering, Pathanapuram led by Ms. Nejiya A. K., Branch Counsellor in organising Webinars on Post Covid opportunity in Technology, Python for Machine Learning, Entrepreneurship, Tips and Tricks to crack Competitive Exam during the 2020-2021



## Sarga Sandhya Announced

The chapter has mooted the holding of a cultural evening preceding the AGM on 3 April 2021. In a move to bring together the members and their family members on a cultural forum, Sarga Sandhya will feature music, mimicry, poetry and dance. It is hoped that this will somehow compensate for the absence of physical meeting during the AGM every year. Members of student chapters have also come forward enthusiastically to enrich the event. All members are invited to take part. The same link used for thursday talks will be applicable for the cultural meet too.



## Message from National Secretary



*Dear Team Symphony,*

I am delighted to go through the Newsletter 'Symphony', the Mouthpiece of Thiruvananthapuram CSI Chapter. I see that the Chapter is active in areas related to the latest needs of the industry as well as academia. This will make the younger generation empowered for tomorrow.

I have been asking the young children the process flow of small tasks like "What is the time now", "What is the date today", "What do you do to go to a movie today" etc. They can of course complete the task mentioned instantly, but most fail to document the Process Flow involved in completing the task. The need of the hour is to define the Process flow documentation, which is of prime importance, while the languages used to make them work are secondary. I request the team Symphony to concentrate on the SOP and the process flow documentation .

The country is adopting new waves of Computing and our overhead costs for all technologies should become the lowest in the world. Digital India is a reality and making all citizens digitally enabled is the task which CSI can contribute heavily. Hope to see the Trivandrum Chapter contributing more and more to making the Vision of CSI spread to all

**Raju L Kanchibhotla**  
Hony. Secretary. CSI

*From the pages of Symphony 35 years ago...*

## COMPUTER USE - POSSIBLE VIEW POINTS

**The Computer Manufacturer:** the computer is a divine gift; a machine of infinite benefit to mankind; a machine to be constantly improved, made faster, and enlarged; a source of increasing profits.

**The Computer User:** The computer is a source of trouble, not fast enough; too expensive; lacks reliability; the object of too many people expecting electronic miracles.

**The General Public:** The computer is a thing of magic; an amazing electronic brain which can do anything with a single, simple command: "Computel"; the source of wrong credit card billings and mistakes in bank balances: the device which intensifies the feeling of loss of privacy.

**The Social Scientist and Consumer Advocate:** the computer is a device dedicated to the invasion of individual privacy, a volatile machine containing all sorts of private information ready to spew forth at the mere touch of a button; a device sure to be used to subvert large masses of people.

**The Courts:** The problem and the computer are not understood, so the case is thrown out of court, or, various issues emerge. What are the individual's rights to privacy? Who does own the facts or information pertains to, or the organisations who spent the money to collect it?

**The computer Thief:** The computer is a source of proprietary information; a giant electronic safe to crack and rob; a source of confidential mailing lists; and a challenge to devious ingenuity.

### Question: Do you contribute to any of these views?

Many of these notions may be justified, but then again many may not. They do, however, point to one fact. There is not a common belief among people in different parts of society about what computers are, how they work, what they do now, what they can do in the future, and finally how they are to be used for the betterment of our world instead of the destruction of human liberty.

**(Jeffrey Frates and William Moldrup)**



# IT book Archives at Chapter Office



CSI office has had a mini library for many years. The books in this library have acquired value as rare books. Some of the early books are seen donated by founder chairman Dr D S Rane, and includes rare books on analog computers. Books on operating systems and packages of yester years such as wordstar, wordperfect, DOS etc are among the collection. Books published by the chapter (COBOL programming by Prof Thanappan Nair) also are in the collection. Sri JT George has now contributed a collection to enrich this rare archive. It included manual of programming the MINSK computer of 1964.

## IT is Nostalgic



**Dr. N. Ramachandra Rao, Chairman**

Graduated in Civil Engineering from Kerala University in 1961. After Serving in the KSE Board for one year joined the teaching profession. Subsequently obtained Master's degree in Structural engineering and Doctorate in Engineering Mechanics. His fields of interest include application of computer oriented methods for solution of problems in engineering and management. He is currently serving as Assistant professor in the College of Engineering, Trivandrum and is engaged in teaching and guiding research.



**N. Thankappan Nair, Vice Chairman**

Graduated from College of Engineering, Trivandrum and completed post graduation in Electronics from Madras University. Currently working in the Electronics research and development centre of Keltron. He is the secretary of IEEE, Kerala subsection and member, Electronics and telecom division, State Committee of the Institution of Engineers, Kerala State Centre. He was the secretary of the CSI, Trivandrum during 1980-81.



From Symphony, 2005

### PC Sale in Kerala touches a Lakh an year

According to local media reports quoting computer vendors association of Kerala, PC sales in Kerala during the last year nearly touched 100,000. Institutions like IIM Ahmedabad put PC penetration in Kerala to 5%. If you work back from 1 lakh to lesser sales in the past years, PC penetration is possibly much less. The national figure is 1.4% and US figure is an astonishing 40+. IT minister Dayanidhi Maran looks forward to a sub-Rs.10,000 PC, which according to him, is a "magical" price point that could ramp up computer penetration in the country. A report on 'Improving PC penetration, Internet and Domestic Software', has been prepared by a government-industry committee. According to the targets envisaged in the report, by 2008, India should achieve PC penetration of 65 per 1000 from 14/1000 now. Similarly, the number of Internet subscribers should go up to 40/1000 from 5/1000.



*Symphony, Newsletter of the Thiruvananthapuram Chapter of the Computer Society of India, T.C. 82/5426, Symphony, Cherian's Square, Ambujavilasam Road, Thiruvananthapuram, Kerala, 695 001. Printed and published by Dr Achuthsankar S Nair, Chairman and Editor on behalf of the Chapter, at Akshara Offset, Trivandrum.*