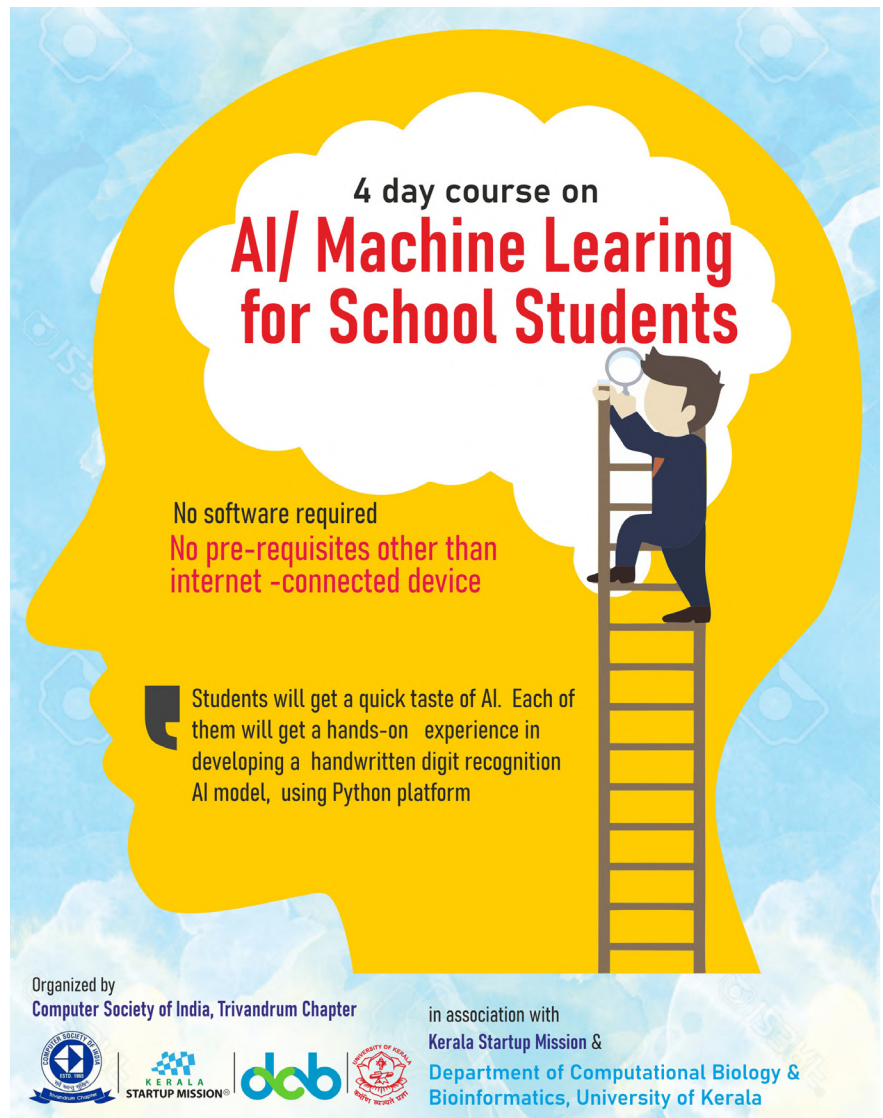*Major School Student Engagement Programme led by Chapter rolled out*

Catch them young for Machine Learning

In a major outreach initiative, the CSI Trivandrum Chapter has joined hands with the Kerala Start-up Mission (K-SUM) and Dept of Computational Biology & Bioinformatics, University of Kerala to train school students in machine learning. The first batch of 50 school students received the 4-day training from 28th to 31st Dec, 2020. Mr Jeevan Babu IAS, Director General of Education, Govt of Kerala inaugurated the programme.

The massive and impressive growth of AI has percolated to everyone through popular Apps. With platforms like TensorFlow, it has become possible to develop Machine Learning Models rapidly. Job opportunities in the field are wide and open to a variety of skill sets, not merely hard-core engineering skills. Japanese multinational company Nissan Motor Corporation Limited has set up their first global research hub in the state capital in 2018, with focus on emerging technologies like electric and driverless cars. The company had expressed a major concern that there is a lack of talent pool in ML in Kerala. It is in this context that CSI proposed the 'Catch them Young' approach to state IT Mission. The 4-day course on ML for school students

4 day course on
AI/ Machine Learing for School Students

No software required
No pre-requisites other than internet -connected device

Students will get a quick taste of AI. Each of them will get a hands-on experience in developing a handwritten digit recognition AI model, using Python platform

Organized by
Computer Society of India, Trivandrum Chapter

in association with
Kerala Startup Mission &
Department of Computational Biology & Bioinformatics, University of Kerala
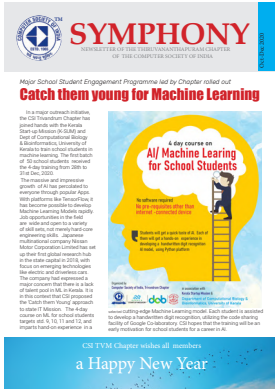
targets std. 9, 10, 11 and 12, and imparts hand-on experience in a selected cutting-edge Machine Learning model. Each student is assisted to develop a handwritten digit recognition, utilizing the code sharing facility of Google Co-laboratory. CSI hopes that the training will be an early motivation for school students for a career in AI.

CSI TVM Chapter wishes all members

a Happy New Year

Editor.Write( )

I write this note both as editor of Symphony and as Chairman of the Chapter. This is my second chance to edit Symphony, the first being a decade ago. Symphony has not been regular in recent times and the management committee has decided that it should regularly come out as a trimonthly. Here we are, with the first issue, consequent to the above decision. I call upon the members to contribute items for Symphony. The newsletter will be enriched by your diverse thoughts.
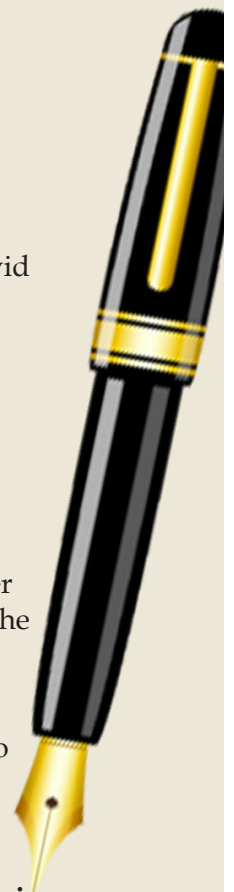
Symphony has been edited in the past by many of our eminent members. The reins of Symphony were held for a long time by Mr. Leon Mohanraj and Dr. CG Sukumaran Nair. In those days, when letter press was only available and no internet or mobile phones were there, I am at loss of words to describe the hardwork they might have done. My salutes to them. In this newsletter you will see some extracts from the newsletters of the past decades.

As you browse this newsletter, you can easily gauge that the Chapter has been hyper-active in spite of Covid restrictions. It has held 8 Weekly talks, almost all of them very well attended. Three training programmes (one on Covid Data Analytics and two on Machine learning) have been held successfully. The school-connect programme has been rolled out with support from Govt agencies. 50 school students were trained in the first batch. Twelve new members have joined, some of them have already become active and have significantly contributed in taking forward the chapter activities. A book on 50 years of computing, to mark the Chapter's half-centenary, is on the anvil.

Let me also place on record my condolence on the demise of the legendary IT personality, FC Kohli, who inaugurated our chapter in 1976.

I wish everyone a happy new year. Stay safe.

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) 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 | twitter.com/csitvm | linkedin.com/in/csitvm | youtube.com/csitvm | github.com/csitvm

Office bearers for 2020-21

Chairman

Vice Chairman

Secretary

Treasurer

The office bearers of CSI Trivandrum Chapter for 2020-2021 took over charge in the AGM held on 25th October, 2020: (1) Prof. Achuthsankar S. Nair of University of Kerala (Chairman) (2) Mr. Sreekanth P. Krishnan (Vice-chairman) (3) Ms. Anita Nair (Secretary) (4) Mr. Mahesh Ravindran (Treasurer). Other members of the Management Committee are: Dr. Sabarish K. (ICFOSS), Mr. Vijayamohana Kumar S. R. (ISRO-Retd), Mr. Justin G. Russel, Ms. Philomina Simon (UoK), Mr Rajesh P. (Enves), Mr. Sunilkumar I.N. (C-DAC-Retd), Mr. Neelakantan G (Arackal Systems – Retd), Mr. Basanth Kumar B.S. (Asianet). Due to the pandemic and consequent lockdown, elections were delayed and the committee has effectively only half an year to perform.

Computer Archives@ Chapter Office

MC has approved a proposal to start a computer archive in the CSI office. Old computers and their peripherals and also old magazines, newsletters and books of the early period are proposed to be collected and showcased. Members may contact office bearers if they are interested to contribute.

Report of Three Training Programme

Webinar on "Deep Learning using Convolution Neural Networks" was conducted by the Chapter on 14th and 15th Nov, 2020. A tota1 of 14 participants attended. Prof. Achuthsankar S. Nair, Chairman of the Chapter was the speaker. Live demonstration using Tensor Flow was very much appreciated by the participants. Secretary Ms. Anitha Nair and MC member, Mr. Rajesh P. actively participated in the programme. The programme was coordinated by Mr Aswin P., immediate past Secretary.

The 10 day online training programme initiated by the Chapter in association with Department of Computational Biology & Bioinformatics, University of Kerala on "Learn Covid-19 Data Analysis Using Python" has been successfully completed with 25 delegates. The programme was held from 23rd Nov to 2nd Dec 2020, in the virtual mode. The course instructor was our member Dr. Biji C. L, Lecturer, Dept. of Computational Biology & Bioinformatics, University of Kerala. The programme covered Spread Analysis of COVID-19 Dataset using Python, Exploratory data analysis, Mathematical Modelling and Machine Learning Models for forecasting. The online programme was noted not only for the content and clarity in deliverance but also for the diversity of delegates both in terms of their age group and also background. The delegates included Assistant Director, Directorate of Health Services Kerala; District Epidemiologist, Kollam; Scientist, CDAC; Clinical Pharmacists; Consultant from TCS; Research Scholar, IIT Kharagpur; in addition to Students and teachers from different streams of Science/Engineering. Four learners were from outside the state - London, Kharagpur, Tamilnadu and Manipal.

A 4 day online training programme on "Get your First Taste of AI/ Machine Learning" aimed at non-IT graduates ran from 9th to 12th December, 2020 with 50 participants. The course was led by Prof. Achuthsankar S. Nair, Chairman of the Chapter and ably assisted by our new members Dr Biji CL, Dr Sheeba K and Dr Silpa Bhaskaran. Ms Chithra Kishore of Kreative Technology Solutions also was part of the team. The programme had delegates from across India and abroad. The participants were from diverse backgrounds which included Professors, Assistant Professors, UG/PG Non IT Students, IT Consultants, and School Teachers. The participants were from Aligarh, Hyderabad, Maharashtra, Tamil Nadu, Delhi, Kerala, South Australia and London.

Feedback: The Course was an excellent initiative for the beginners especially non-technical professionals like me. With zero knowledge of computers mathematics and algorithms, I got a good flavour of Machine learning
Prof. Asad U Khan, *Medical Microbiology and Molecular Biology lab, Aligarh Muslim University*

MC draws up A Governance Model for the Chapter

In an effort to better the governance of the chapter, a governance model has been evolved by the management committee. It is hoped to take the chapter operations to a higher level. The following role descriptions are meant to help smooth and quality governance of the Chapter and not to be interpreted as over-riding or colliding with Bylaws of the CSI.

1. Patrons: The MC may nominate Patrons for the Chapter from among its past office-bearers or life members with more than 10 years of membership. Patrons should normally be members who do not seek to be office bearers afterwards. MC may, at its discretion modify the list as it deems fit. Office bearers of the chapter may formally/informally seek the counsel of the Patrons as and when it deems fit and use the input for decision making.

2. Management Committee (MC): The MC is the highest authority of the Chapter. It may normally meet every month and take decisions regarding Chapter activities and dispose proposals that are placed before it. The date and time of the meeting shall be the prerogative of the Secretary (a standard date may be followed), but it is expected that informal courtesy consultations are made before fixing the same. Draft agenda shall be circulated informally among MC members to suggest changes or additions and final agenda shall be circulated at least 2 days in advance. Minutes shall be circulated for approval within a week after the meeting. Every meeting shall begin with confirmation of minutes of previous meeting and also an action taken report on decisions of the previous meeting. MC shall always pay attention to compliance with CSI bylaws, rules and code of ethics. MC shall not take arbitrary decisions and shall reason out its decisions where appropriate. In making nominations and constituting committees, interest of members shall be sought and as far as possible, those who express interest may be considered. The guiding principle should be to involve more and more members into activities. In constituting committees, MC shall pay attention to gender balance, industry-academia balance and senior/junior balance etc.

3. The Chairperson: He/she shall take leadership role in conceiving programmes and leading the chapter activities and shall also be the binding force among office bearers and serve as key trouble-shooter. She/he will chair the MC and AGM and shall chair all committees or meeting in which he/she is present. She/he will be the face of CSI among IT professionals, Govt & Civil society.

4. The Vice-Chairperson: The Vice Chairperson shall assist the Chairperson and discharge tasks assigned to her/him by the Chairperson/MC. He/she shall act as Chairperson in absence of the Chairperson, in MC and AGM. The Vice Chairperson may be included in all committees and activities in view of his Chairperson elect status.

5. The Secretary: The secretary shall, in addition to playing leadership role similar to the Chairperson, be the formal point of contact for the society. She/he shall be the custodian of all chapter records, shall convene MC meetings (draft and send agenda and minutes), communicate decisions and information and take steps to implement decisions and monitor them. MC may choose to provide an Honorary Joint Secretary to assist the Secretary.

6. The Treasurer: The treasurer shall diligently manage the finances and accounts of the chapter and shall operate the society's accounts along with Chairperson/Secretary and shall present annual accounts in AGM and report monthly summary in MC meetings.

7. Office Assistant: The office assistant shall work under the general directions and control of the Chairperson, secretary and treasurer. He/she shall maintain office files and emails in an organized manner for speedy retrieval. An Index of files approved by the MC shall be used. He/she shall send out official communications as per directions. Under the supervision of the secretary, he/she shall maintain a register of members (separately for each category). He/she shall personally contact a minimum of 5 members per month and update data in membership register and also enquire if they are in receipt of chapter communications. A note thereof shall be made by him/her in the membership register.

8. Other Roles: The MC may from time to time nominate members with specific roles such as Relationship Manager, Student Activities Coordinator, Newsletter Editors etc.

9. Conflict Resolution: As a professional body, the Chapter shall resolve conflicts through discussions and basic principles (equal opportunity, diversity, natural justice etc) and byelaws. One of the means to resolve conflict shall be referring matters to chapter patrons.

Deep.Learn(2021) National Conference

Computer Society of India
Trivandrum Chapter

Deep.Learn (2021)

National Conference on Deep Learning & Applications

19, 20 February 2021

Keynote Address
Prof. Deepak Garg
Bennett University

Conference Chairs

Prof. Prahlad Vadakkepat
National University of Singapore

Prof. Elizabeth Sherly
IIITMK

Prof. Achuthsankar S Nair
University of Kerala

Track 1: Artificial intelligence and deep learning: algorithms and techniques

Track 2: Deep learning: data visualization and prediction

Track 3: Multidisciplinary application of deep learning and data analytics

Track 4: Deep learning and COVID-19

Track 5: AI tools, platforms and emerging trends

Plenary Talks
Industry Presentations
Research Presentations
Panel Discussion

Scan the QR code for more details

ORGANIZED BY

COMPUTER SOCIETY OF INDIA
ESTD. 1965

CLAP RESEARCH
dcb

🌐 https://deeplearning.csitvm.org/
✉ sankar.achuth@gmail.com

UG and PG students, Rs. 1500 for Non-students & Research Scholars, Rs. 9000 for Institutional Registration (5 delegates), USD 50 for Non-Indian Participants with Discount of 25% for CSI members.

The MC has constituted the following team to lead the conference.

Conference Patrons: Prof. RK Vyas (President, CSI), Mr. Satheesh Babu (Former President, CSI), Dr. Sakuthala S. Pillai (Former Professor, CET), Mr. R. Narayanan (Former Vice-President, TCS).

Conference Chairs: Prof. Prahlad Vadakkepad (National University of Singapore), Prof. Elizabeth Sherly (IIITMK), Prof. Achuthsankar S Nair (University of Kerala).

Conference Co-Chairs: Dr. Elizabeth Jacob (NIIST), Prof. Vinod Chandra SS (UoK), Prof Babu K. (Sarabhai Inst.), Mr. Jayan C. (CDAC) Organizing Institutions: CSI Trivandrum Chapter, IIITM, Kerala, Dept. of Computational Biology & Bioinformatics, UoK, Clap Research, Technopark, TVM.

Programme Committee: Prof. Vinod Chandra SS, Dr. Umesh P, Dr. Gopakumar G (NIT-C), Dr. Biji CL

Organizing Committee: Mr. Sreekanth P Krishnan (Chair), Ms. Anitha Nair (Vice-Chair), Organizing Secretaries: Dr. Sabarish K (ICFOSS), Mr. Mahesh Ravindran (MC Member, CSI TVM), Dr. AG Rekha (SBT), Dr. Malu G. (IIITMK), Dr. Biji C.L. (UoK), Mr. Anoop Ambika (ClapResearch), Dr. Silpa Bhaskaran (UoK), Dr. Sheeba K. (UoK), Mr. Rajesh P.

The Chapter has announced a national Conference to be held during 19-20 February 2020, on Deep Learning: Theory and Applications. The conference will be held in online mode and deadline for Submission of extended abstracts is 20 January 2021. The web site is deeplearing.csitvm.org

Conference events include Plenary Talks, Industry Presentations, Research Paper Presentations and Panel Discussion. Proceedings with Extended Abstracts will be published with ISBN. Registration Fee (inclusive of all taxes and charges): Rs. 1000 for

Chapter Patrons Nominated

The Management Committee of the Chapter has constituted a Chapter Patrons Committee consisting of the office bearers before 2015

Mr. J.T, George	Mr. Madhusoodhan Nair S.
Mr. R. Naryanan	Mr. M.C. Jayakrishnan
Mr. R. Sahadevan	Mr. R. Muraleedharan Pillai
Mr. A Leon Mohanraj	Mr. R. Srinivasan
Dr. C.G. Sukumaran Nair	Mr. C. Brajesh
Mr. B. Gopi	Ms. Jayalekshmi M.
Mr. Amarnath Raja	Prof. Babu K.
Mr.Satheesh Babu	Mr. Sreekant Krishnan
Dr. Sakunthala S. Pillai	Dr. C. Vishnukumar
Mr. G. Neelakantan	Mr R.P.C. Nair
Dr B. Valsa	

Resolution on Gender

Vide Item 20-21(2).18, the Management Committee of the Chapter has adopted an important Resolution on Gender. *Considering the emerging microscopic gender sensitivity in all walks of life, it is felt that Computer Society of India may consider reviewing its bye-laws, literature in print and social media to weed out gender biased references and also consider amendment to bylaws to ensure that women representation among office bearers is significantly enhanced.* The chairperson moved the resolution which was unanimously adopted to. It has been communicated to CSI HQ.

Honorary Joint Secretary Nominated

The Management Committee of the Chapter has nominated Ms Philomina Simon, our MC member, as Honorary Joint Secretary

Nominated for Life-Time Achievement Award

The Chapter has nominated Sri Satish Babu for CSI Life-time Achievement Award. Satish Babu is a past President and Fellow of CSI. He was also the President of SEARCC. He has played different roles in CSI ranging from Chapter Chair at Trivandrum Chapter, Regional Vice President at the CSI HQ, Secretary of CSI and President-elect. Satish is the Secretary of the Chapters Advisory Council Steering Committee (ChAC-SC) of Internet Society. He was an early proponent of Free and Open Source Software in the country and also an early advocate of the Internet. He started one of the earliest free, open email services in India in 1994. From 2009, he has been associated with Internet Governance through ICANN and Internet Society. Satish was also the founding Director of the International Centre for Free and Open Source Software (ICFOSS), an institution of the Government of Kerala. He was deeply involved in the humanitarian response to the 2004 Indian Ocean Tsunami. Satish is an IT Entrepreneur (CEO of InApp), Programmer and Software designer. He has considerable expertise in areas such as cryptocurrencies and digital currencies.

Expression of interest sought from Members

The Chapter Management Committee (MC) which met soon after its election, has drawn up a number of new initiatives for immediate implementation. Before nominating coordinators and committees for each of the initiatives, MC wishes to seek expression of interest from members and involve members who so volunteer, as far as possible. MC also wants each of such committees to have gender balance, presence of both senior and junior/fresh members, and also a mix of academia and industry. Members are welcome to express their interest to be a part of any of the following initiatives: 1. Chapter News Letter, 2. Book on 50 years of Computing, 3. Setting up a computer Archive in CSI Office, 4. Machine Learning Online Training for Schools, 5. Organising Student Talks, 6. National Conference on Deep Learning, 7. Machine Learning for Non-CS UG Students, 8. Awareness on eGov Services to general public, 9. Weekly Talks, 10. Social Media Coordination, 11. Gender Championing, 12. Relationship Management

Nine CSI Weekly Talks held

Weekly Talk series of the Chapter has been organized with unfailing regularity since October last week and has featured talks with wide variety. The online platform which has become popular in Covid times is proving to be an effective tool in the organization of the talk. The talks were being held on Saturdays, but based on a detailed analysis provided by past chairperson Ms Jayalakshmi, MC has resolved to make it on Thursdays at 6PM. A standard operating procedure (S.O.P) for organizing the event has also been drawn up by the MC. All members are welcome to propose talks and speakers and take lead in organizing them, as per the S.O.P.

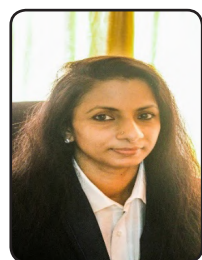| Date	Topic	Speaker & Chair	Attendees
07.11.20	Internet of Things	Mr Ullas Kumar, BluGraph Technologies, Singapore Chair. Prof S K Mohan, former Principal, DTE	14
14.11.20	Humanoid Robots	Prof Prahlad Vadakkepad, NUS, Singapore Chair: Dr Divya S Vidhyadharan, Augsense Lab	33
21.11.20	Misinformation, Dis-information, Mal-information and Fake News	Dr M S Harikumar (UoK), Mr Premsankar C. (Waggle Labs), Mr S Radhakrishnan (Journalist). Chair: Sri Leon Mohanraj (Past Chairman)	26
28.11.20	Data Governance	Mr Santhosh Subramanian, Bombardier Corporation Chair: Anita Nair (Chapter Secretary)	25
4.12.20	Quantum Computing	Mr Gokul Alex Prof. K. Babu, Past Chairman	36
11.12.20	GPT-3: Automatic Language Generation and Understanding	Mr Anoop Ambika, Clap Research Chair: Philomina Simon, MC Member	60
18.12.20	Generative Adversarial Network	Dr. Brijesh Madhavan, CEO Curvelogics Advanced Tech Solutions Pvt Ltd Chair: Dr. Vishnukumar S, Past Chairman CSI	51
23.12.20	Gearing up for a Post-Covid life by developing a better version of oneself	Ms Anitha Nair, Chapter Secretary & IT Professional Chair: Dr. Biji C.L.(UoK)	21
31.12.20	Block Chain	Mr. Jinu Babu (EMEA) Chair: Prof. Babu K. (Past Chairman)	25

Google Meet

The meeting link for Weekly talks on Thursdays, 6PM is:
meet.google.com/msg-hiyd-wfm
(Same link is re-used)

Report on Membership Drive

Growth of Annual Membership					
1990	7	2000	28	2010	6
1991	4	2001	5	2011	3
1992	2	2002	5	2012	4
1993	2	2003	8	2013	19
1994	3	2004	4	2015	8
1995	9	2005	6	2016	4
1996	13	2006	8	2018	0
1997	10	2007	6	2019	1
1998	16	2008	2	2020	2
1999	5	2009	2		

The Chapter has started a membership drive since November, 2020, as a part of which, 10 annual members and 2 life members have joined. We will be taking the campaign forward. All members are requested to encourage one new member to join CSI. The present membership numbers are: Life members –180, Annual Members – 24, Institutional Members – 15 (60 nominee members) , Total – 264

Ms. Chithra Kishore, Founder, Kreative Technology Solutions, incubated at Dept. Computational Biology and Bioinformatics, University of Kerala. She has 9 years of experience in various fields like teaching, programming, machine learning, and data analytics.

Ms Diana, Asst. Professor, University Engineering College of Engineering works in the area of Medical Imaging ,Bioinformatics and Machine Learning. As a passionate teacher, her motivational blogs are popular among students. She holds an MTech degree and currently pursuing PhD at School of Engineering, Cochin University of Science and Technology
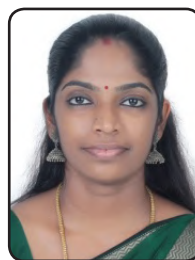
Book on 50 Years of Computing.

CSI Trivandrum chapter is running its 44th year, having been founded on 1976. MC has approved a proposal to bring out a book to mark the occasion. The book will document the history of the chapter and also will briefly document the history of computing in the city too. All members are welcome to contribute to the book.

Welcome, New Members

Ms. Kutty Malu V K is a passionate teacher in the technology domain. She is working as Asst. Prof., Dept. of Computer Science & Eng., Sree Chitra Thirunal College of Engineering, Trivandrum. She is daughter of our past chairman, Prof. Krishnankutty

Dr. Malu G., a consummate professional in research and development with a passion for pattern recognition, image processing, algorithm design, and analysis. She is a Postdoctoral Fellow at Indian Institute of Information Technology and Management - Kerala, Thiruvananthapuram

Dr. Umesh P., a bright and creative person with profound interest in Data Analysis. He is working as Asst. Professor, Department of Mathematics, College of Engineering, Thalassery. He has great interests in popular science talks and writing science articles. He believes that it is the best way to enlighten common people.

Dr. Sheeba K., an educationist and machine learning enthusiast, who pursued PhD with core expertise in Machine Learning and Computational Biology. She is a Post-Doctoral Fellow in Machine Learning Research Project, Department of Computational Biology and Bioinformatics, University of Kerala.

Dr. Biji C.L., an ambitious and happy teacher with a decade of teaching experience. Currently working as Lecturer in the Computational Biology & Bioinformatics, University of Kerala. She is a passionate machine learning enthusiast, data driven analyst and is fascinated with popular science communication.
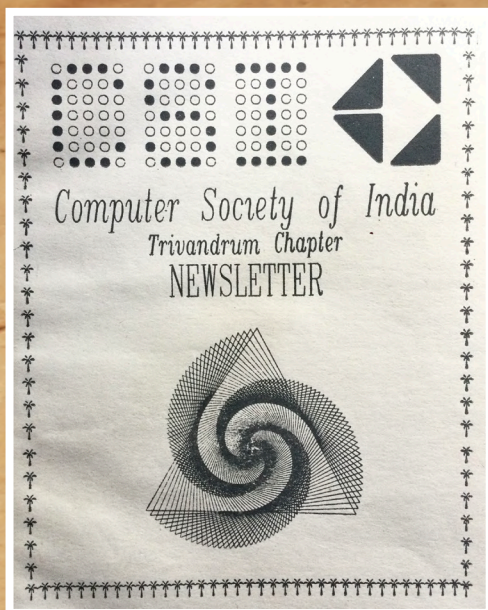
Dr. Silpa Bhaskaran, a passionate Computational Biologist with strong curiosity in exploring biological data. She is working as research associate at Dept. of Computational Biology and Bioinformatics,University of Kerala. She is interested in popular science communication.
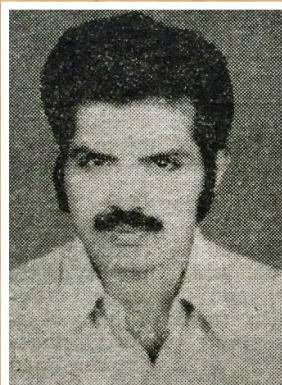
A brief report on activities of 2019-2020

The Chapter organized "Industry meets Academia" at College of Engineering Muttathara on 6th February 2020. Mr Satish Babu (Director InApp), Mr Ajish MJ (Tata Elxsi), Mr Philip John (Cetronic Technologies), Mr Jinu Babu (Global Head, Blockchain TCS), Prof K. Babu and Mr Neelakantan G. interacted with the students. A National Webinar on "Fun Approach to Object Oriented Programming" by Prof Dr Achuthsankar S Nair was organized on 16th April 2020. Webinar on "Building Competency and Converting Threats to Opportunities" was conducted by Mr Ajish MJ, Tata Elxsi, on 22nd April 2020. Webinar on Blockchain, titled "Knowing B word better" by Mr Jinu Babu, TCS was held on 23rd April 2020. In collaboration with ACCUBITS, a webinar on "How to approach Hackathons" on was held on 20th June 2020. Dr AK Pujari Memorial lecture on"

Post Covid Strategies for Information Technologies" was delivered by Mr Leon Mohanraj, Past Chairman on 25th July 2020. "Meaningful Learning through Educational Technology" by Dr Arun Surendran, Trinity College of Engineering, was held on 07th July 2020. The Chapter, in collaboration with Christ Nagar College, conducted a national webinar on Blockchain, with Mr Jinu Babu of TCS as the speaker. CSI-Inapp Panel discussion ("Reimagining Education from first principles.") and Award ceremony was conducted on July 4th 2020. Mr Rajan Singh was the moderator. Dr M.S. Rajasree, Vice Chancellor of APJ Kalam Kerala Tehnological University announced the winners of 9th CSI-InApp Awards. Students from PES Modern College of Engineering, Pune won the best project award (Facial Expression Synthesis using Voice Tone Analysis).

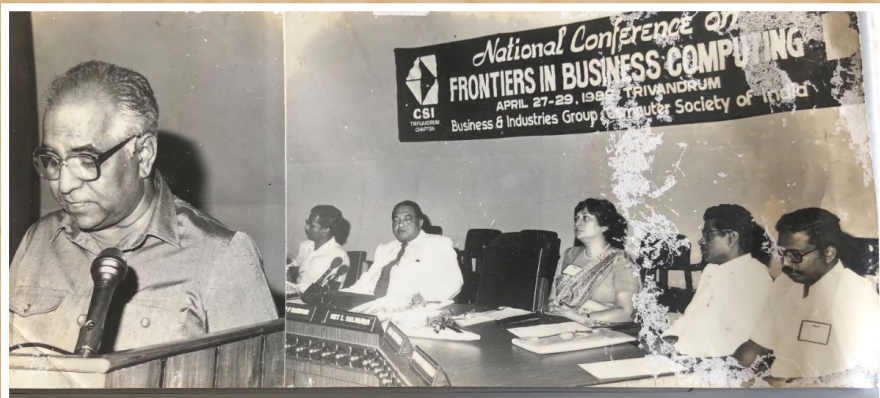*Cover page of Chapter Newsletter in 1980s.*

IT is Nostalgic

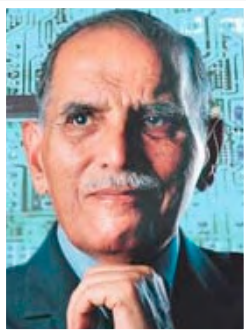

Member introduction in a past news letter

Mr. K.P.P. Nambiar speaking in Big89. On the dias are CSI President Hemant Sonaniak, Sri. Thanappan Nair, Prof. R. Shadevan & Mr. Leon Mohan Raj

Engagements of the Chairman

- Inaugurated the state-level CSI student convention held in St Joseph's Engineering College, Pala and gave key-note address in CSI Regional Student Convention held in Amrita Campus in Kochi.

- Paid a visit to Mr J T George, the first secretary of the chapter, at his residence. Chairman also spoke to most of the senior members and past office bearers.

- Communicated with CSI President, Secretary and Regional Vice Chairman.

- Held two meetings with Mr Safirulla, IT Secretary, Govt of Kerala; CEO of Kerala Start-up Mission; Director General of Education, Govt of Kerala; and CEO of Kites regarding programme to train school students in Machine Learning. The meetings were successfully concluded and the programme has been rolled out.

- Took part in the opening and closing session of the 10-day "Learn Covid-19 Data Analysis Using Python". He attended all the Weekly talks organized by the chapter.

- Served as resource person for two programmes organized by the chapter. He was the key resource person for the 2-day webinar on Deep Learning using Convolution Neural Networks and he was one among the 4-member team which conducted the "Get your First Taste of AI/Machine Learning"

Obituaries

Faqir Chand Kohli (1924–2020), former President of the Computer Society of India and founder and first CEO of Tata Consultancy Services, India's largest Software Services Company, passed away on 26 November 2020. He was also associated with other companies within Tata Group including Tata Power Company and Tata Elxsi, and had been a president of Indian Information Technology (IT) services advocacy body, NASSCOM. He was a recipient of the Padma Bhushan, India's third-highest civilian honor, in 2002 for his contributions to the Indian software industry. He is referred to as the "Father of the Indian IT Industry", for his contributions to the establishment and growth of the Indian IT industry. The Trivandrum Chapter is intimately connected to Sri Kohli. It was he who inaugurated our chapter on 25th June 1976 and installed Dr D S Rane as our first Chairman. The chapter pays homage to the memory of this illustrious legend.

CSI Life Member and Former Treasurer of the Chapter, Mr N. Padmanabhan passed away on 26th June 2020. He was born on 22nd May 1951 as the Son of Prof. K. Narayana Aiyer (Professor of Pharmacognocy) and P. Kamalambal (Daughter of Mahakavi Ulloor S Parameswara Iyer). He passed his SSLC from Govt. Model High School, Thycaud, Trivandrum and Pre Degree from Govt. Arts College, Trivandrum. He took his B. Tech Electronics from College of Engineering, Trivandrum 1972. He thereafter joined a private firm as Engineer at Sasthamangalam, called Cryogenics. Later he joined as Programmer in the Dept. of Computer Science, University of Kerala. He retired from Service on 31st May 2006 as Senior Programmer from the University. He breathed his last on 26th June 2020 at the age of 69 after an illness. He was married to Smt Gayathri who worked in the National Insurance Company. He was a very soft spoken person and was very friendly with his colleagues and friends. The chapter offers its condolences to the bereaved family.