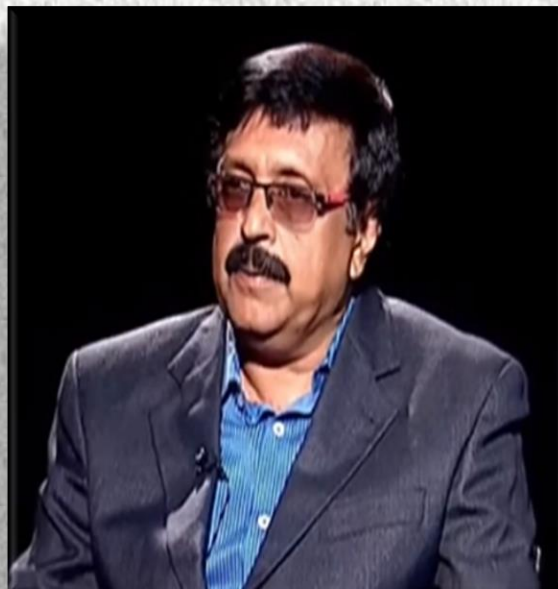


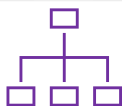
# PROF. SRIKANTH P C - BIO

- Born on 22nd April 1966 at Gorur, Karnataka, India.
- Had his schooling in the same town and graduated in Electronics & Communication Engineering in 1987 from Malnad College of Engineering, Hassan, Karnataka, India securing a first class with Distinction.
- Completed his M.Tech. degree in 1996 from Indian Institute of Technology, Kanpur in the area of LASERS, and obtained his Ph.D. from VTU Belgaum.
- He worked in the applied photonics lab IISc, Bangalore during his PhD.
- Starting as a Lecturer 1987, he became Assistant Professor In 1999, Professor in 2011 in Malnad College of Engineering, Hassan, Karnataka.
- Specialization: Photonics and Quantum Machine Learning.
- 37 years of experience.
- Presently working as a Professor & Head Dept. of ECE, Dean (Planning & Development) Malnad College of Engineering, Hassan, Karnataka.



219

*Invited  
Talks.*



115

*Admin  
activities*



01

*Books  
Published*



55

*FDPs  
attended.*



03

*R&D*



13

*Social  
activities.*



148

*Number of  
publications*



19

*Teaching  
Awards.*



57

*Conference/Semi  
nars conducted.*



# Video Links



Namma Bahubali With ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್, ಡೀನ್, ಮಲೆನಾಡು ಕಾಲೇಜ್, ಹಾಸನ | Archana Sharma | Tv5 Kannada

TV5 Kannada [Subscribe](#) 65 [Share](#)



Rajyotsava Award conferred to Dr P C Srikanth LRDE ,Ministry of Defence ,Govt of India on 28/11/2024

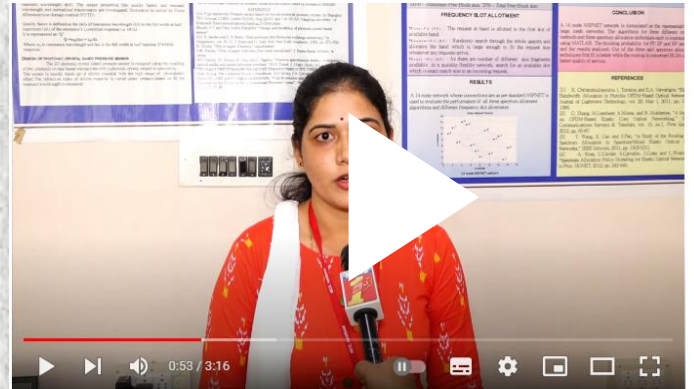


VVC Karnataka TV Interview of Dr P C Srikanth on 22 Jan 2025





Blood donation camp organised by Youth Redcross ,NSS Unit of MCE and IEEE MCE...



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Srikanth P.C. 34 subscribers

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ಹಾಸನ : ಎಂ.ಸಿ.ಇ ಕಾಲೇಜು ಫ್ಯಾಕಲ್ಟಿ ಡಾ|| ಶ್ರೀಕಾಂತ್ ಅವರ ತಂಡದೊಂದಿಗೆ ಸೇರಿ ಕೋವಿಡ್ ೧೯ ಡಿಟೆಕ್ಷನ್ ಕಿಟ್‌ನ್ನು ಅಭಿವೃದ್ಧಿ...

HCN NEWS 29-04-2020

youtube.com



Blood donation 15 August 2020

youtube.com



Speech at Siddhartha Medical College,Tumkur , White coat Ceremony 21/12/22 By P C Srikanth

Srikanth P.C.

Subscribed

2



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Dr P C Srikanth, of MCE donated blood on the day of Shivarathri on 18 Feb 2023 in...  
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Dr P C Srikanth interview on 29th April 2023 by hcn news reg corona virus detection  
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2021 IEEE Mysore subsection award for MCE

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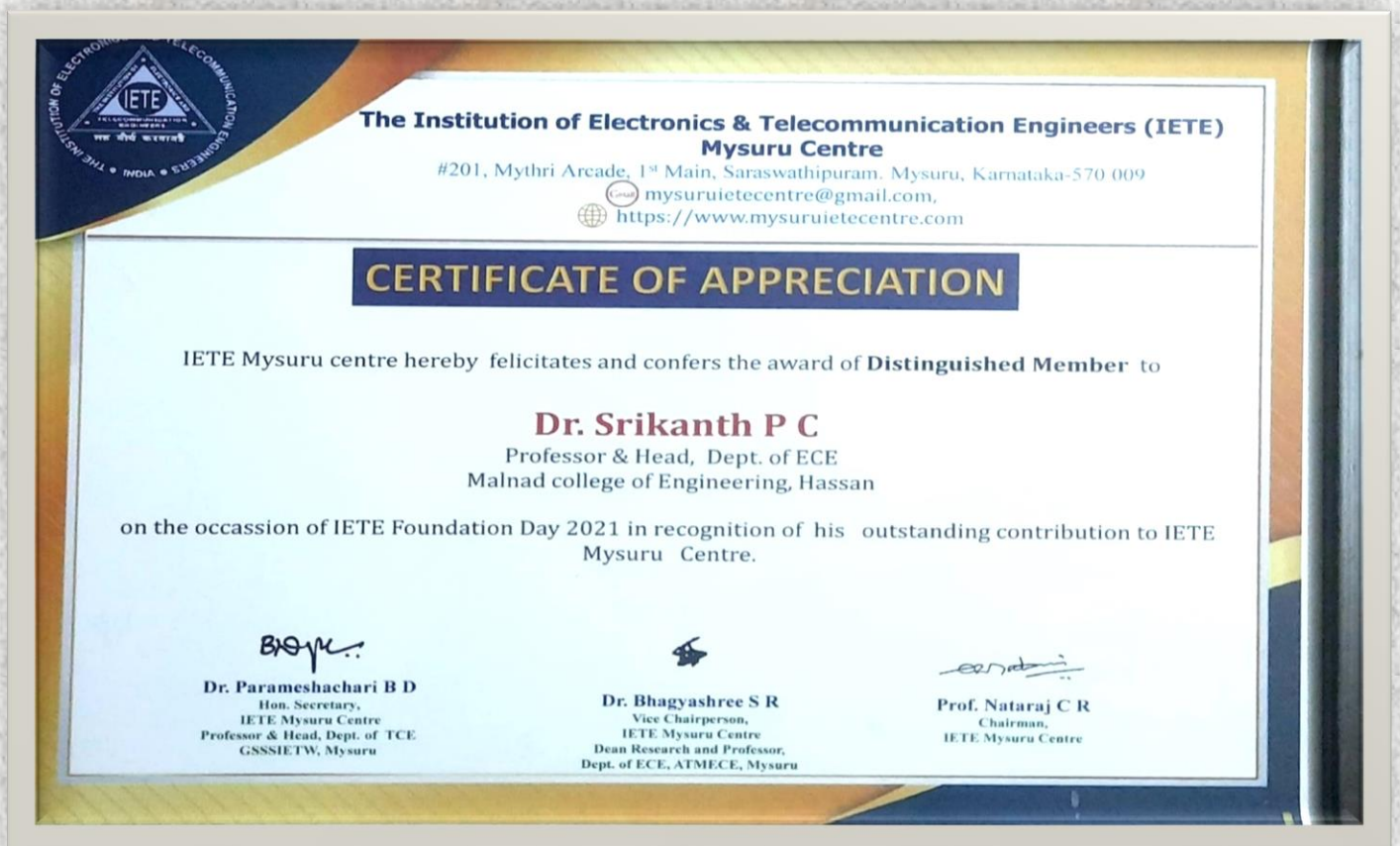
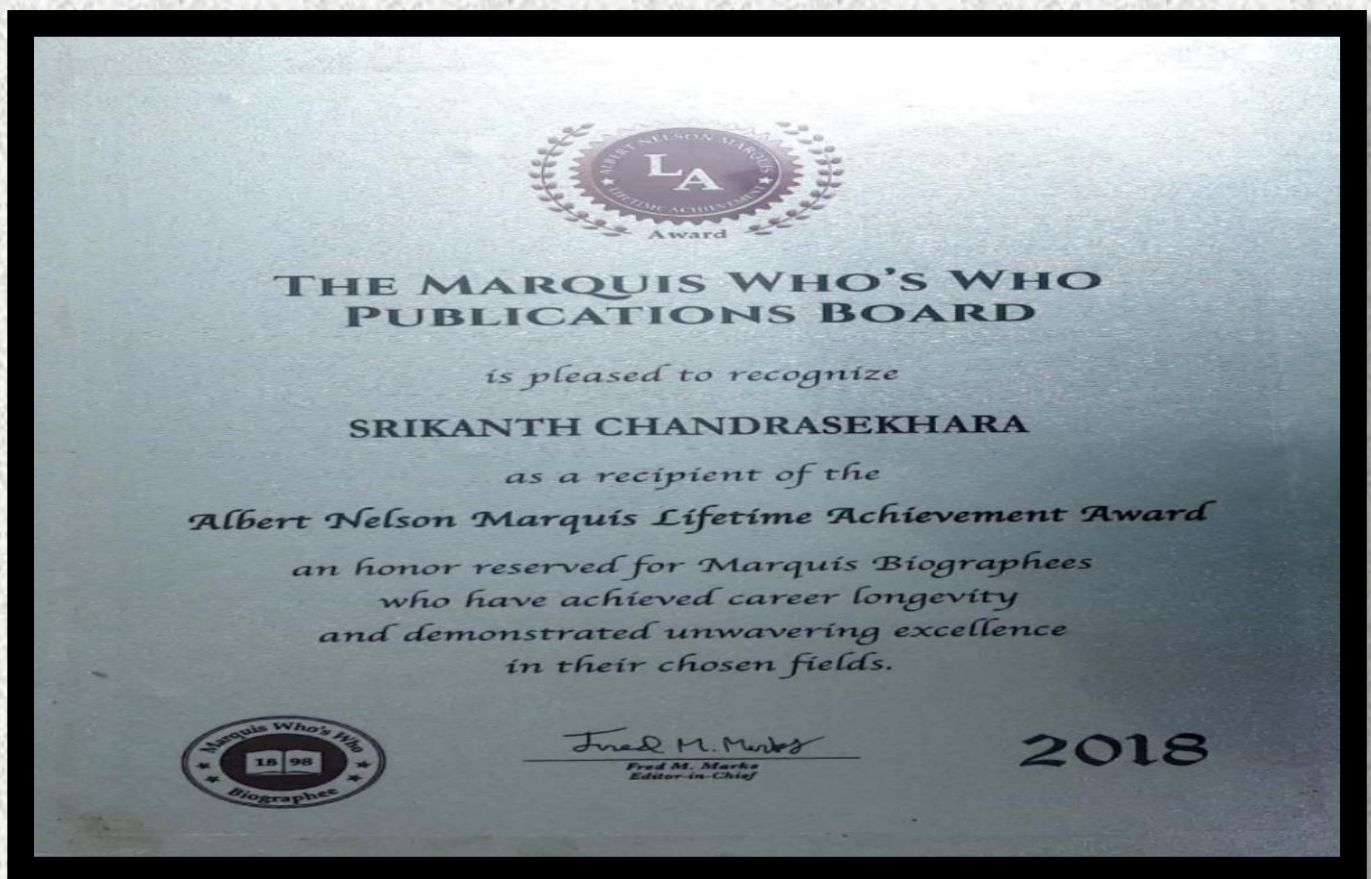


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S Srikanth P.C. 34 subscribers  
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# Awards





- Best project award for “Thyristor controlled VAR compensator for power factor improvement” By KSCST, held during 11-12, March 1988.
- Best project award for “Modulation and demodulation of AM, FM signals on a single carrier using energy operators” By KSCST, Held during 04-05, December 1998, at MIT Manipal.
- Best project award for “Real-time AFM demodulation using DESA”, Held at PES, Mandya, in 2001.
- Selected for **Marquis Who's Who in Science and Engineering 2011-2012** (11<sup>th</sup> Edition) New Providence, NJ 07974, USA
- Selected as **TOP 100 ENGINEERS-2011** by International Biographical Centre, St Thomas' Place, ELY, CB7 4GG Great Britain.
- Elevated as Senior Member IEEE in July 2013
- Best paper award for the paper titled “Modeling of Photonic Crystal Ring Resonator Temperature Sensor” at the International Conference on Electronics, Communication, Computer Science and Information Technology held on 27<sup>th</sup> April 2014 in Bangalore.
- Best paper award for the paper titled “A Novel Quantum Dot Automata Based Design for Multiplexers” at the International Conference on Emerging Trends in Engineering and Technology (ICET-2015) held on 7<sup>th</sup> June 2015 at Bangalore





- Selected for **Marquis Who's Who in Science and Engineering 2016-2017** (12<sup>th</sup> Edition) New Providence, NJ 07974, USA
- Best paper award for the paper titled “Detection of Fluoride Contaminated Water in Dental Applications” at the International Conference on Emerging Trends in Engineering and Technology (ICET-2015) held on 9<sup>th</sup> Aug 2015 at Bangalore
- Awarded as **Outstanding Scientist** in the field of Photonics, by Venus International Foundation CARD, on 19<sup>th</sup> Dec 2015.
- Awarded for **OUTSTANDING ENGINEERING ACHIEVEMENT-2017** by International Biographical Centre, St Thomas’ Place, ELY, CB7 4GG Great Britain.
- Selected for Marquis **Who's Who in Science and Engineering 2017-2018** New Providence, NJ 07974, USA
- Selected for the 2018 **Albert Nelson Marquis Lifetime Achievement Award** by Marquis **Who's Who in Science and Engineering** New Providence, NJ 07974, USA
- Awarded as IETE Distinguished Member by Institution of Electronics and Telecommunication Engineers (IETE), Mysuru on 6<sup>th</sup> November 2021.
- Best paper award for the paper titled “Pressure Sensing using a Two-Dimensional Photonic Crystal Sensor” at the International Conference Recent Developments in Electronics and Communication Systems held on 22<sup>nd</sup> and 23<sup>rd</sup> July 2022 Organized by the Department of Electronics and Communication Engineering, Aditya Engineering College, Surampalem East-Godavari District, Andhra Pradesh, INDIA
- Dr. T S Indumathi Award: Conferred on 8<sup>th</sup> January 2022 at the IEEE Annual General Body Meeting held at Reva University for outstanding contribution as a Volunteer in the field of Photonics for the competence in the field with abundant Knowledge of Photonics.
- Conferred 2024-Kannada Rajyotsava Award by LRDE/DRDO, Ministry of Defense, Government of India ,C V Raman Nagar ,Bangalore for outstanding work in the area of Research and Development on 28<sup>th</sup> November 2024.





## ಮಲೆನಾಡು ಕಾಲೇಜು ಡೀನ್‌ಗೆ ಫೆಲೋ ಪ್ರಶಸ್ತಿ



ಹಾಸನ: ನಗರದ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾ ವಿದ್ಯಾಲಯದ ಡೀನ್ ಮತ್ತು ಇ ಆಂಡ್ ಸಿ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥರಾದ ಡಾ. ಪಿ.ಸಿ. ಶ್ರೀಕಾಂತ್ ಅವರಿಗೆ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಆಂಡ್ ಟೆಲಿಕಮ್ಯುನಿಕೇಷನ್ ಇಂಜಿನಿಯರಿಂಗ್ ವತಿಯಿಂದ ಮೈಸೂರಿನಲ್ಲಿ ಇತ್ತೀಚೆಗೆ ಡಿಸ್ಟಿಂಗ್ವಿಷ್ಡ್ ಐಐಟಿಇ ಫೆಲೋ ಪ್ರಶಸ್ತಿ ಪ್ರದಾನ ಮಾಡಲಾಯಿತು.

ನಂತರ ಮಾತನಾಡಿದ ಅವರು, ಐಐಟಿಇ 68 ವರ್ಷಗಳ ಸುದೀರ್ಘ ನಡೆದು ಬಂದ ಹಾದಿ ಕುರಿತು ವಿವರಿಸಿದರು. ಭಾರತೀಯ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆಯ ಐಐಟಿಇಯು ವಿದ್ಯಾರ್ಥಿಗಳು, ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಕೈಗಾರಿಕಾ ಕ್ಷೇತ್ರದಲ್ಲಿ ಬಹಳಷ್ಟು ಕೊಡುಗೆ ನೀಡಿರುತ್ತದೆ. ಸಂಶೋಧನಾ ವಿದ್ಯಾರ್ಥಿಗಳು ಮತ್ತು ಸಂಶೋಧನಾ ನಿರತ ಪ್ರಾಧ್ಯಾಪಕರುಗಳು ಇದರ ಸದುಪಯೋಗ ಪಡೆದುಕೊಂಡು ಸಂಶೋಧನಾ ಪ್ರಬಂಧ ಮಂಡಿಸಲು ಸಲಹೆ ನೀಡಿದರು.

ಐಐಟಿಇ ಅಧ್ಯಕ್ಷ ಡಾ. ನಟರಾಜ್, ಉಪಾಧ್ಯಕ್ಷರಾದ ಡಾ. ಭಾಗ್ಯಲಕ್ಷ್ಮಿ, ಕಾರ್ಯದರ್ಶಿ ಡಾ. ಪರಮೇಶ್, ಖಜಾಂಚಿ ಡಾ. ಗೋಕಲೆ, ಮತ್ತಿತರು ಭಾಗವಹಿಸಿದ್ದರು.



## ಎಂ.ಸಿ.ಇ ಪ್ರದ್ಯಾಪಕ ಶ್ರೀಕಾಂತ್ ಗೆ ಒಲಿದ ರಾಜ್ಯೋತ್ಸವ ಪ್ರಶಸ್ತಿ



ಹಾಸನ: ರಕ್ಷಣಾ ಸಂಶೋಧನೆ ಮತ್ತು ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆಯ ಅಂಗ ಸಂಸ್ಥೆಯಾಗಿರುವ ಎಲ್.ಆರ್.ಡಿ.ಇ ವತಿಯಿಂದ ಇತ್ತೀಚೆಗೆ ಬೆಂಗಳೂರಿನಲ್ಲಿ ನಡೆದ ಕನ್ನಡ ರಾಜ್ಯೋತ್ಸವ ಸಂದರ್ಭದಲ್ಲಿ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಕಮ್ಯುನಿಕೇಶನ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥರಾದ ಶ್ರೀಕಾಂತ್ ಅವರಿಗೆ ಸಂಸ್ಥೆಯ ಪ್ರತಿಷ್ಠಿತ ರಾಜ್ಯೋತ್ಸವ ಪ್ರಶಸ್ತಿ ನೀಡಿ ಗೌರವಿಸಲಾಯಿತು.

ಎಲ್.ಆರ್.ಡಿ.ಇ ಭಾರತದ ರಕ್ಷಣಾ ವ್ಯವಸ್ಥೆಯಲ್ಲಿ ಪ್ರಮುಖ ಪಾತ್ರ ವಹಿಸಿದ್ದು ರೆಡಾರ್ ಸಂಶೋಧನೆ ಹಾಗೂ ಅಭಿವೃದ್ಧಿ ಕಾರ್ಯವನ್ನು ನಿರ್ವಹಿಸುತ್ತಿದೆ. ಬಂದಿದೆ ಈ ಸಂಸ್ಥೆಯಿಂದ ಪ್ರತಿ ವರ್ಷ ಕನ್ನಡ ರಾಜ್ಯೋತ್ಸವವನ್ನು ಆಚರಿಸಲಾಗುತ್ತಿದ್ದು ಇದರಲ್ಲಿ ನಾಡಿನ ಪ್ರಖ್ಯಾತ ಹಾಗೂ ಸಾಧಕ ವ್ಯಕ್ತಿಗಳನ್ನು ಗುರುತಿಸಿ ಗೌರವಿಸುತ್ತಾ ಬಂದಿದೆ.

ಈ ಪ್ರಶಸ್ತಿ ದೊರೆತಿರುವುದು ಮಲೆನಾಡು ಕಾಲೇಜಿ ಗೆ ಹೆಮ್ಮೆಯ ವಿಚಾರವಾಗಿದೆ ಎಂದು ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲ ಕೃಷ್ಣಯ್ಯ ಸಂತಸ ವ್ಯಕ್ತಪಡಿಸುತ್ತಾ ಶ್ರೀಕಾಂತ್ ಅವರಿಗೆ ಅಭಿನಂದನೆ ಸಲ್ಲಿಸಿದ್ದಾರೆ



- Conferred 2024-IEEE Mysore Subsection Award by IEEE Mysore Subsection, Mysore , for Founding IEEE Prakash Bharati, India and getting Global Approval , Outstanding work in Research and Development , and Contribution to IEEE for more than Two Decades on 19th January 2025 at Mysore.



ಪ್ರಾಥಮಿಕ ಹಂತದಿಂದಲೂ ಹೆಚ್ಚಿನ ಸಂಶೋಧನೆ ಮತ್ತು ಅಭಿವೃದ್ಧಿಗಾಗಿ ಬಹಳಷ್ಟು ವರ್ಷಗಳಿಂದ ಉನ್ನತ ಕೊಡುಗೆ ನೀಡಿರುವ ಪ್ರಕಾಶ್ ಭಾರತಿ ಇಂಡಿಯಾ ಸಂಸ್ಥೆಯ ಕಾರ್ಯ ವೈಖರಿ ಮೆಚ್ಚಿ ಮೈಸೂರಿನಲ್ಲಿ ಇತ್ತೀಚೆಗೆ ನಡೆದ ಸಮಾವೇಶವೊಂದರಲ್ಲಿ ಪ್ರಶಸ್ತಿ ನೀಡಲಾಯಿತು. ಪ್ರಕಾಶ ಭಾರತಿ

## ಎಂಸಿಇ ಶ್ರೀಕಾಂತ್‌ಗೆ ಪ್ರಶಸ್ತಿ ಪುರಸ್ಕಾರ

ಹಾಸನ: ಜಾಗತಿಕ ಮಟ್ಟದಲ್ಲಿ

ಸಂಶೋಧನೆ ಮತ್ತು ಅಭಿವೃದ್ಧಿಗಾಗಿ ಬಹಳಷ್ಟು ವರ್ಷಗಳಿಂದ ಉನ್ನತ ಕೊಡುಗೆ ನೀಡಿರುವ ಪ್ರಕಾಶ್



ಭಾರತಿ ಇಂಡಿಯಾ ಸಂಸ್ಥೆಯ ಕಾರ್ಯ ವೈಖರಿ ಮೆಚ್ಚಿ ಮೈಸೂರಿನಲ್ಲಿ ಇತ್ತೀಚೆಗೆ ನಡೆದ ಸಮಾವೇಶವೊಂದರಲ್ಲಿ ಪ್ರಶಸ್ತಿ ನೀಡಲಾಯಿತು. ಪ್ರಕಾಶ ಭಾರತಿ



ಸಂಸ್ಥಾಪಕರಾದ ಹಾಗೂ ಜಿಲ್ಲೆಯ ಪ್ರತಿಷ್ಠಿತ ವಿದ್ಯಾಸಂಸ್ಥೆ ಮಲೆನಾಡು ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು ಪ್ರೊಫೆಸರ್ ಪಿ.ಸಿ. ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಈ ನಿಟ್ಟಿನಲ್ಲಿ ಗೌರವಿಸಿದ

ಬೆಂಗಳೂರು ವಿಭಾಗದ ಐಇಇಇ ಅಧ್ಯಕ್ಷರಾದ ಡಾ. ಚಂದ್ರಕಾಂತ್ ಹಾಗೂ ಮೈಸೂರು ಉಪವಿಭಾಗದ ಡಾ. ರವೀಂದ್ರ ಇವರುಗಳು ಡಾ. ಪ್ರೊ. ಪಿ.ಸಿ. ಶ್ರೀಕಾಂತ್ ಅವರ ಅನುಪಮ ಸೇವೆಗೆ ಶ್ಲಾಘಿಸಿದ್ದಾರೆ.

7/4



## **Faculty Development**

- ISTE Short-term course on “Digital communication through satellites” Held at MCE, Hassan, From July 5, 1993 to July 17, 1993.
- ISTE Short term course on “Instrumentation, control & Guidance” held at MCE, Hassan, During March 4-16,1996
- AICTE short-term course on “Embedded Controllers and Applications” held at IISc, Bangalore, During 7-18 October 1996.
- AICTE short-term course on “Computer-aided design of microwave and millimeter wave integrated circuit components” held at TCE, Madurai, and during 12.3.97-22.3.97.
- ISTE short-term course on “non-conventional energy sources” held at PES, Mandya, from 20/07/98-25/07/98.
- ISTE short-term course on “Operation and maintenance of industrial instrumentation systems” held at SJCE, Mysore September 14-26, 1998.
- ISTE Short-term course on “Robotics for industrial applications” held at MCE, Hassan, from March 15-27, 1999.
- Short-term training program on Feel teacher held at MCE, Hassan, from 27<sup>th</sup> - 31<sup>st</sup> August 2005.
- Symposium on Trends in pattern recognition held at MCE, Hassan, on 22<sup>nd</sup> April 2006
- One-day workshop on modernizing the teaching of Microwaves using MICs held at SJCE, Mysore on 6<sup>th</sup> October 2006.
- Workshop on advances in wireless networks and security held at MIT, Manipal, during 29-30 March 2007.
- Workshop on student evaluation methods in autonomous institutions during 9<sup>th</sup> – 10<sup>th</sup> Feb. 2007 held at MCE, Hassan.
- Workshop on challenges in PhD and M.Sc (Engg.) Research at engineering colleges on 26<sup>th</sup> Feb. 2008 held at MCE, Hassan.
- Workshop on wireless and optical networks conducted on 30<sup>th</sup> May 2009 at IISc Bangalore.



- Workshop on Human values in technology and management conducted on 30<sup>th</sup> August 2009 at central college campus, Bangalore.
- Tutorial on Fiber optic tutorial with experimental demonstration conducted on 4<sup>th</sup> September 2009 at IISc Bangalore.
- Workshop on Mind Ur Mind on 23<sup>rd</sup> March. 2013 was held at Southern Star, Hassan organized by MCE, Hassan.
- The workshop on Vision will be held on 6<sup>th</sup> May. 2013 held at Southern Star, Hassan organized by MCE, Hassan
- Workshop on Deriving program educational objectives/program outcomes/course outcomes/assessments for NBA self-assessment report during 11<sup>th</sup> and 13<sup>th</sup> of July. 2013 held at MCE Hassan, organized by MCE, Hassan
- Workshop on Conceptualization of an Integrated Positioning and Time Synchronization for GPS/INS using VHDL/FPGA Tools For Marine Applications on 13<sup>th</sup> Sept. 2013 held at Oxford College of Engineering, Bangalore.
- Workshop on Micro-Nano Technology conducted on 26<sup>th</sup> April 2014 at IISc Bangalore.
- Training programme on SAR preparation for the e-NBA process on 28<sup>th</sup> May. 2014 was held at MCE, Hassan.
- One-week Faculty Development Programme on Analytical and Numerical Techniques in Applied Mathematics and Engineering held on 28<sup>th</sup> July and 2nd August. 2014 held at MCE Hassan, organized by Dept. of Maths, MCE, Hassan
- Workshop on Outcome-based education conducted on 6<sup>th</sup> Jan 2015 at BMSCE Bangalore
- International conference on Transformations in Engineering Education ICTIEE-2015 during 6<sup>th</sup> and 8<sup>th</sup> Jan 2015 at BMSCE Bangalore
- The workshop on the Administrative Training Programme was held on 16<sup>th</sup> and 21<sup>st</sup> November. 2015 at MCE, Hassan.
- IEEE Workshop on Recent Advances in Photonics 2015, held during 16<sup>th</sup> and 17<sup>th</sup> December 2015 at IISC Bangalore.



- International Conference on Photonics (Photonics-2016), during 4<sup>th</sup> & 8<sup>th</sup> December 2016, Organized by IIT, Kanpur, India
- Workshop on Recent Advances in Optical Communication and Networks conducted on 29<sup>th</sup> May 2017 at Karnataka State Higher Education Council (KSHEC), Palace Road, Bangalore
- IEEE Workshop on Recent Advances on Photonics (WRAP-2017) conducted from 18<sup>th</sup> -19<sup>th</sup> December 2017 at Mahindra Ecole Centrale, Hyderabad, India.
- Workshop on Virtual Labs Under the National Mission on Education through ICT (MHRD, Govt. of India) during 5<sup>th</sup> and 6<sup>th</sup> April 2018 conducted by Dayananda Sagar University, Bangalore
- TEQIP Sponsored Workshop on Professional and Academic Quality in Engineering Courses on 23<sup>rd</sup> April. 2018 held at Malnad College of Engineering, Hassan.
- One-week Faculty Development Programme on Recent MEMS & MOEMS held on 30<sup>th</sup> April and 04<sup>th</sup> May. 2018 at MCE Hassan Under TEQIP III in association with IEEE Photonic Society Bangalore Chapter, organized by Dept. of E&C, MCE, Hassan
- One-week Faculty Development Programme on Recent Developments in Solar & Wind Energy Systems for on/Off Grid Application was held on the 9<sup>th</sup> and 13<sup>th</sup> of July. 2018 at MCE Hassan Under TEQIP III, organized by Dept. of E&E, MCE, Hassan
- Summer School in Optics and Photonics was held on 25<sup>th</sup> and 28<sup>th</sup> July. 2018, at IISc Bangalore, Organized ECE Department, IISc Bangalore.
- Workshop on IEEE Smart Tech 2018, held on 3<sup>rd</sup> and 4<sup>th</sup> Aug 2018 at Sterlings Mac Hotel Bangalore, Organized by IEEE Bangalore Section.
- Swayam course on Leadership completed during 27 Aug 2018-23 Sept 2018.
- Training on Disaster Management and CPR, held on 14<sup>th</sup> October 2018 at UVCE Bangalore, Organized by IEEE Bangalore Section.
- Workshop on IEEE Future Directions in Technology & The Sixth Wave of Innovation, held on 23<sup>rd</sup> October 2018 at, ECE Dept. IISc, Bangalore, Organized by IEEE –HKN Student Branch, IISc, Bangalore.
- One-week Faculty Development Programme on Recent Advances in Communication & Photonics was held on 8<sup>th</sup> and 12<sup>th</sup> July. 2019 at Veer Bahadur Singh Purvanchal University



(Uma Nath Singh Institute of Engineering and Technology) Jaunpur, Uttar Pradesh Under TEQIP III, organized by Dept. of E&C, VBSPU(UNSIET) Jaunpur, UP.

- Workshop on IEEE Tech Day-2 and Branch Counselor Meet-2 was held on 24th August 2019 at Maharaja Institute of Technology, Mysore Organized by IEEE –Bangalore Section, Bangalore.
- IEEE Region 10 Sponsored Conference Organizers Workshop (COEW) organized by IEEE Bangalore Section at Sterling Mac Hotel, Bangalore on 19th October 2019.
- IEEE Workshop on Recent Advances on Photonics (WRAP-2019) conducted during 13<sup>th</sup> -14<sup>th</sup> December 2019 at IIT Guwahati, Assam, India.
- International Conference on Lasers and Electro-optics (CLEO-20) conducted from 11<sup>th</sup> -15<sup>th</sup> May 2020, Co-Sponsored by the American Physical Society (APS), Laser Science Division, IEEE Photonic Society, and Optical Society of America (OSA) in the USA.
- One-day National Webinar on Artificial Intelligence and Emerging Technologies held on 18<sup>th</sup> May 2020, organized by the Department of Computer Science and IQAC, Government First Grade College, Vijayanagar, Bangalore, India.
- IEEE Webinar Series by Women Leaders, held on 25<sup>th</sup> and 29<sup>th</sup> May 2020, Organized by IEEE Bangalore Section, Bangalore, India.
- Webinar Series on Telemedicine, IOT, and Nanoscience held on 10<sup>th</sup> and 12<sup>th</sup> June 2020, Organized. by GSSSIETW IEEE Student Branch, Mysore in association with IEEE Bangalore Section, Bangalore.
- Webinar Century of Quantum Mechanics and Still Going Strong held during 15<sup>th</sup> and 17<sup>th</sup> June 2020, Jointly Organized by Applied Physics Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda (MSUB), Gujarat Science Academy(GSA), Indian Physics Association (IPA), Baroda, Baroda Chapter and Indian Association of Physics Teachers(IAPT-RC7) in association with National Academy of Sciences India(NASI) Delhi Chapter, India.
- International Webinar on Health and Fitness in Post COVID Status held on 31<sup>st</sup> October 2020, organized by the Department of Physical Education and IQAC, Government First Grade College, Vijayanagar, Bangalore, India.



- An international conference on Recent Trends in Computer Science and Electronics, RTCSE-2021, will be held on January 5th and 7th, 2021, at the University of Hawaii, USA.
- Five days FDP on Innovative Teaching and Research in Science: Exploring the New Horizons, during 10th & 15th June 2021, Organized by Science Forum in Association with IQAC, Government First Grade College, Vijayanagar, Karnataka
- Five days FDP on Recent Trends in Photonics, during 14th & 19th June 2021, Organized by Dept. of ECE, Oxford College Engineering, Bangalore, India.
- Seminar on photonics conducted on behalf of International Day of Light, from the Indian Institute of Science, Bangalore on 14th May 2022 under the applied photonics initiative.
- 10th International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT-2024), Organized and hosted by IEEE Bangalore Section and Indian Institute of Science (IISc), Bangalore, Karnataka, during 12th & 14th May 2024.
- Training programme on “Scaling New Heights: A Comprehensive Training Programme to Enhance Overall Institutional Diligence” on 28th September. 2024 was held at MCE, Hassan.



## **Conference/ Seminars conducted.**

Coordinator for

- One-day symposium sponsored by TEQIP on Broadband Communication, April 15<sup>th</sup>, 2006, for Engineers and scientists.
- Two-day workshop on “Practical aspects of broadband and mobile communication” Conducted on May 22-23, 2009, Sponsored by IEEE Bangalore section.
- One-day IEEE colloquium on “Optical fibers and applications” Conducted on 23 – 10 – 2009 at M.C.E, Hassan, Sponsored by IEEE Bangalore section.
- Two-day “IEEE annual Technical event 2009” Conducted during 13<sup>th</sup> & 14<sup>th</sup> Nov 2009 at M.C.E, Hassan, Sponsored by IEEE Bangalore section.
- A one-day Workshop on” circuit building using PCB” was held on 27 March 2011, Sponsored by the IEEE Bangalore section.
- One-day Workshop on” Microcontrollers” on 9th October 2011, Sponsored by IEEE Bangalore section.
- Two-day “IEEE annual Technical event 2010” Conducted during 13th & 14th Nov 2010 at M.C.E, Hassan, Sponsored by IEEE Bangalore section.
- Two-day “IEEE annual Technical Event 2011” Conducted on 13th & 14th Nov 2011 at M.C.E, Hassan, Sponsored by IEEE Bangalore section.
- Two days “IEEE annual Technical event Explore 2012” Conducted on 22nd & 23rd Sept. 2012 at M.C.E, Hassan, Sponsored by IEEE Bangalore section.
- Two-day Workshop on” Network Simulator-QUALNET” during 13th & 14th March 2013, Sponsored by IEEE Bangalore section.
- Two days’ Workshop on “Network Simulator-Net Sim” during 2<sup>nd</sup> & 3<sup>rd</sup> March 2013, Sponsored by IEEE Bangalore section.
- One-day Workshop on” Optical fiber splicing and measurements” on 19<sup>th</sup> April 2013, Sponsored by IEEE Bangalore section and BSNL Hassan.
- Two-day Workshop on “Recent advances in mechatronics engineering and its applications” on 30<sup>th</sup> & 31<sup>st</sup> May 2013, Sponsored by TEQIP II.



- Two-day Workshop on “Emerging trends in Optical Communication & Optical Engineering” during 3<sup>rd</sup> & 4<sup>th</sup> June 2013, Sponsored by TEQIP II.
- Two-day Workshop on “Robotics and communication” during 28<sup>th</sup> & 29<sup>th</sup> April 2014, Sponsored by IEEE Bangalore section.
- One-week Faculty Development on Recent Technological Innovations in Optical Engineering (14<sup>TH</sup> TO 18<sup>TH</sup> JULY 2014), Sponsored by TEQIP-II and technically cosponsored by IEEE Photonic Society (USA), Karnataka section. Conducted at MCE, Hassan.
- One-day Workshop on “India’s achievement in space technology and social development in technical education” on 16<sup>th</sup> October 2014, Sponsored by Malnad College of Engineering, Hassan.
- One-day Workshop on “Hands-on experience on ANSYS HFSS EM Simulator" Conducted on 21st Oct 2014.
- Two-day workshop on "UAV and Quadcopter Design” Conducted on 15th & 16th Nov 2014.
- Two Days workshop on “Introduction To NETSIM” conducted on 20<sup>th</sup> and 21<sup>st</sup> Feb 2015.
- Two Days workshop on “Recent Trends in Antenna Research and Communication Technology” Sponsored by TEQIP-II on 6<sup>th</sup> and 7<sup>th</sup> April 2015.
- One-day Workshop on “Ethical Hacking” on 8<sup>th</sup> Nov 2015, conducted by IEEE MCE Student branch, Sponsored by IEEE Bangalore section.
- IEEE workshop on "Biological Sciences " by Dr. Raul H. Marin and Dr. Raquel M. Gleiser on 18/11/2015 conducted by IEEE MCE Student Branch.
- IEEE workshop on "Recent advances on Antennas " by Dr. Koushik Datta, Nethaji Subhash Engineering College, Kolkata on 18/02/2016 conducted by IEEE MCE Student Branch.
- IEEE workshop on "Recent advances on the Internet of Things " by Parag Chatterjee, Ballsbridge University, Argentina on 21/03/2016 conducted by IEEE MCE Student Branch.
- IEEE workshop on "High-speed optical networks" by Sanjay, SDE, BSNL, Hassan, on 12/05/2016 conducted by IEEE MCE Student Branch.



- IEEE workshop on "Glimpses of Indian Spacecraft Technology" by B.K. Venkataraman, Dr. Satheesh Dhavan Scientist, ISRO, Bangalore on 06/10/2016 conducted by IEEE MCE Student Branch.
- IEEE workshop on "Missile Technology" by Dr. Varaprasad, Former Director, RCI, Hyderabad on 28/10/2016 conducted by IEEE MCE Student Branch.
- One-day Workshop on "MOEMS and Applications" on 18<sup>th</sup> March 2017, Sponsored by TEQIP II.
- One-day Workshop on "High-Speed Optical Networks" on 21<sup>st</sup> March 2017, Sponsored by TEQIP II.
- One-day Workshop on "Nano Photonics" on 7<sup>th</sup> September 2018, At Mahendra Engineering College, Salem, Tamilnadu, Sponsored by IEEE Bangalore section
- IEEE Day 2018 on 12/10/2018 conducted by the IEEE MCE Student Branch.
- IEEE workshop on "Recent Innovative Technologies in Communication" Sponsored by TEQIP-III on 13th October 2018.
- Two days' workshop on "Next Generation Optical Communication Systems" Sponsored by TEQIP-III, and technical sponsored by IEEE Photonic Society, Bangalore Chapter during 12<sup>th</sup> & 13<sup>th</sup> November 2018 at MCE Hassan.
- One-week Faculty Development on Recent Advances in Photonics (3rd to 8th Dec 2018), Sponsored by TEQIP-III and technically cosponsored by IEEE Photonic Society (USA), India Chapter. Conducted at Jorhat Engineering College, Jorhat, Assam, A Twinning program with MCE, Hassan.
- IEEE One-day Hands-on Workshop and Talk on "OFC Systems and Measurements" Sponsored by IEEE Bangalore Section conducted by IEEE MCE Student Branch on 30th April 2019 at MCE Hassan.
- One-week Faculty Development Programme on Recent Advances in Communication & Photonics, Sponsored by TEQIP –III and technically cosponsored by IEEE Photonic Society (USA), India Chapter, held on 8th and 12th July. 2019 at Veer Bahadur Singh Purvanchal University (Uma Nath Singh Institute of Engineering and Technology) Jaunpur, Uttar Pradesh, organized by Dept. of E&C, VBSPU(UNSIET) Jaunpur, UP.



- Three days of “Hands-on Training on Photonic Sensor Simulation Tools” Sponsored by TEQIP-III, and technical Co-sponsored by IEEE Photonic Society, Bangalore Chapter from 3<sup>rd</sup> & 5<sup>th</sup> October 2019 at MCE Hassan.
- International Webinar on Photonics for India: Opportunities and Challenges, By Dr Naresh Chand, Associate Vice President of Chapter Relations, IEEE Photonic Society, USA, held on 16<sup>th</sup> May 2020, Organised by Department of E&C, Malnad College of Engineering, Hassan, In association with IEEE MCE Joint Photonics and COMSOC Chapter and IEEE Photonic Initiative India.
- National Webinar on Narrow Linewidth Fiber Amplifiers for Coherent Beam Combination, By Dr Balaji Srinivas, Professor, Department of Electrical Engineering, IIT Madras held on 29<sup>th</sup> May 2020, Organised by Department of E&C, Malnad College of Engineering, Hassan, In association with IEEE MCE Joint Photonics and COMSOC Chapter, IEEE Photonic Society Calcutta University Student Chapter and IEEE Photonic Initiative India.
- International Webinar on Artificial Intelligence in Healthcare, By Prof. Parag Chatterjee Researcher at National Technological University, Buenos Aires, Argentina, Assistant Professor at Department of Biological Engineering, University of the Republic, URUGUAY on 30<sup>th</sup> May 2020, Organised by Department of E&C, Malnad College of Engineering, Hassan, In association with IEEE MCE Joint Photonics and COMSOC Chapter, and IEEE Photonic Initiative India
- International Webinar on Purify a Survey: Reliability and Construct Validity, By Dr.Said El Hajjar, Professor College of Arts, Science and Education, University in Lebanon(Formerly with Alia University Bahrain ) on 26<sup>th</sup> June 2020, Organised by the Department of E&C, Malnad College of Engineering, Hassan, In association with IEEE MCE Student Branch, Hassan
- One-week Faculty Development Programme on Recent Advances in Photonics, Technology. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, held during 7<sup>th</sup> and 11<sup>th</sup> September 2020 at Vidyavardhaka College of Engineering organized by Dept. of E&C, VVCE, Mysore, India.

- IEEE three-day webinar on Quantum Concepts and Applications (With Hands-on), By D R Vijayakumar, Govt. Polytechnic, Belur, held on 11th and 13th January 2021, Jointly organized by IEEE MCE Student Branch and IEEE Bangalore Section, Bangalore, India.
- IEEE Webinar on IEEE Benefits and IEEE Funding for Projects, By Dr Sujatha, Professor, BMS College of Engineering Bangalore, held on 17th April 2021, jointly organized by IEEE MCE Student Branch and IEEE Bangalore Section, Bangalore, India.
- IEEE Webinar on Mode-Locked Fiber Lasers, By Dr Niloy K Dutta, Professor, University of Connecticut, USA, held on 22nd May 2021, jointly organized by IEEE MCE Photonic Society Student Chapter and IEEE Photonics Society Chapter Calcutta University, In association with IEEE Prakash Bharati India.
- IEEE Webinar on Compensation of Impairments in Fiber Optic Systems, By Dr Shiv Kumar, Professor, Mc Master University, Canada, held on 24<sup>th</sup> May 2021, Jointly organized by IEEE MCE Photonic Society Student Chapter and IEEE Photonics Society Chapter Calcutta University, In association with IEEE Prakash Bharati India.
- IEEE Webinar on “Introduction to Photonics”, (In Kannada) By Dr. Gopalakrishna Hegde, Professor, IISc Bangalore, held on 28th May 2021, Organized by IEEE MCE Photonic Society Student Chapter, In association with IEEE Prakash Bharati India.
- IEEE Webinar on “Resonant cavity-based optical modulators/switches using electro-absorption effect”, By Dr. Sooraj Ravindran, Professor, IIST Trivandrum., held on 4th June 2021, Organised by IEEE MCE Photonic Society Student Chapter, In association with IEEE Prakash Bharati India.
- IEEE Webinar on “Possible Carrier Pathways for Engineering Graduates” held on 19th June 2021, Organised by IEEE MCE Student Branch, In association with IEEE Bangalore Section and IEEE Mysore Subsection.
- Branch counselor- On the occasion of the international Day of Light-An International Symposium conducted at Malnad College of Engineering on 16th May 2022.\*
- One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organized by E&C Department,



Malnad College of Engineering in association with IEEE MCE Student Branch held on 28th May 2022 at E&C Department, Malnad College of Engineering Hassan.

- Convener- One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, organized by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 28th May 2022 at E&C Department, Malnad College of Engineering Hassan
- Organized placement preparation Program on 2<sup>nd</sup> & 4<sup>th</sup> September 2022 in collaboration with Abhyuday IIT Bombay, to spread placement education in India.
- IEEE Webinar on Optical nonlinearity of semiconductor amplifier and their application, By Dr. Niloy K Dutta, Professor, University of Connecticut, USA, held on 19<sup>th</sup> June 2023, jointly organized by IEEE MCE Photonic Society Student Chapter, In association with IEEE Prakash Bharati India.
- IEEE Hands-on Workshop on Photonics and Quantum Mechanics, held on 19<sup>th</sup> June 2023, jointly organized by IEEE MCE Photonic Society Student Chapter and E&C Department, Malnad College of Engineering, Hassan, Karnataka.
- IEEE MysuruCon 2023 3rd Edition of the Flagship International Conference Series of IEEE Mysuru Subsection in Association with IEEE Bangalore Section hosted by E&C Department, Malnad College of Hassan, on Emerging Technologies for Smart cities conducted during 1st and 2nd December 2023.
- IEEE Hands-on Workshop on VLSI Chip Designing, held on 16th February 2024, jointly organized by IEEE MCE Student Branch and E&C Department in association with IEEE CEDA Bangalore Chapter, Malnad College of Engineering, Hassan, Karnataka
- IEEE Webinar on “Internship opportunities in JRD Tata Innovation Center, By Dhruva Gupta Director, JRD Tata Innovation Center, Indian Institute of Science Bangalore, Karnataka, India held on 12th June 2024, Organized by IEEE MCE Student Branch.

## Invited talks.

- Current trends in photonics at Karnataka University, Dharwad on 12<sup>th</sup> Jan 2012.
- Optical WDM networks at Karnataka University, Dharwad on 30<sup>th</sup> March 2013.
- Recent trends in optical communication and optical networks, at MCE, Hassan on 3<sup>rd</sup> June 2013.
- Survivability issues in WDM optical networks, at MCE, Hassan on 4<sup>th</sup> June 2013.
- Fiber optics-based LASER application in Medicine on 7<sup>th</sup> June 2013 at The Oxford College of Engineering, Bangalore
- Recent advances in Optical Fiber Communication and Networks on 5<sup>th</sup> Sept. 2013 at BIET Davangere.







- Biomedical Applications of LASER on 21<sup>st</sup> Sept. 2013 at Kuvempu University Shimoga.





- Recent trends in Bio-Photonics (Keynote address) on 4<sup>th</sup> April 2014 at AIT, Chikmagalur.



ಕೆ.ಪ್ರಯೋಗಾತ್ ಹೆಗ್ಡೆ ಮಾತನಾಡುತ್ತಿದ್ದಾರೆ. ಜನಪದ ಕಾರ್ಯಕ್ರಮವಾಗಿ ಎಲ್ಲ ಧರ್ಮದ ಗುರು-ಮಠಗಳಿಂದ ಕೂಡಿದ್ದು ಸಂತೋಷದ ಸಂಗತಿ.

**ಕಾಫಿ ದರ**  
 ಬೆಳಿಗ್ಗೆ 10000  
 ಬೆಳಿಗ್ಗೆ 5000  
 ಬೆಳಿಗ್ಗೆ 7750  
 ಬೆಳಿಗ್ಗೆ 3500

**ಜಲಿ**

ಮರಣ  
 24-3-2014

ಗುರು ಹಾಗೂ ಹಾಲ  
 ಗುರು ನಿಧನರಾಗಿದ್ದು  
 ಪ್ರಾರ್ಥಿಸುವಾ.

ಗೌರವ  
 ಡಿ. ನತಿಶ್ವರ್,  
 ವರ್ಗದವರು,  
 ಕಲೇಶವುರ

## ತಾಂತ್ರಿಕ ವಿಷಯ ಮಂಡನೆ

ಚಿಕ್ಕಮಗಳೂರು, ಏಪ್ರಿಲ್ 4:-  
 ನಗರದ ಎಂಟು ಕಾಲೇಜು ಸಭಾಂಗಣದಲ್ಲಿ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಕಂಪ್ಯೂಟರ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ ಹಾಗೂ ಬಿಇಇಇ ವತಿಯಿಂದ ರಾಷ್ಟ್ರಮಟ್ಟದ ತಾಂತ್ರಿಕ ವಿಷಯ ಮಂಡನೆ



ಮತ್ತು ತಾಂತ್ರಿಕ ಉತ್ಪನ್ನವನ್ನು ಆಯೋಜಿಸಲಾಗಿದೆ.  
 ಮುಖ್ಯ ಅತಿಥಿಗಳಾದ ಹಾಸನ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಕಂಪ್ಯೂಟರ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಪಿ.ಸಿ. ಶ್ರೀಕಾಂತ್ ಕಾರ್ಯಕ್ರಮವನ್ನು ಉದ್ಘಾಟಿಸಿ ಪುರಾತನ ಕಾಲದ ಪುಟಗಳಲ್ಲಿ ಈ ಆಧುನಿಕ ಯುಗದಲ್ಲಿ ನೋಡುವ ಸಂಶೋಧನೆಗಳಾಗಿ ಹೊರ ಹೊಮ್ಮುತ್ತಿವೆ ಎಂದರು.  
 ಕಾರ್ಯಕ್ರಮದ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದ ಎಂಟು ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲ ಡಾ.

ಕ್ರಮ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರತಿಭೆಯನ್ನು ಹೊರಹಾಕಲು ಒಂದು ಒಳ್ಳೆಯ ವೇದಿಕೆ ಎಂದರು.  
 ವಿದ್ಯಾರ್ಥಿಗಳಾದ ಮಹಮ್ಮದ್ ಜಿ ಹಾನ್ ಮತ್ತು ಕು.ಗೌತಮಿ ಕಾರ್ಯಕ್ರಮವನ್ನು ನಿರೂಪಿಸಿದರು.  
 ಕು.ಪ್ರಿಯಾ ಹೆಚ್.ಎಲ್.ವರದಿ ಓದಿದರು. ಕು.ಅರ್ಪಿತ ಅತಿಥಿಗಳ ಪರಿಚಯ ಮಾಡಿಕೊಟ್ಟರು.  
 ತಾಂತ್ರಿಕ ವಿಷಯ ಮಂಡನೆ ಮತ್ತು ತಾಂತ್ರಿಕ ಉತ್ಪನ್ನದಲ್ಲಿ ರಾಷ್ಟ್ರದ ಅನೇಕ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜುಗಳ ವಿದ್ಯಾರ್ಥಿಗಳು ಭಾಗವಹಿಸಿದ್ದರು.

ಬರ್ 31 ನಿಗದಿತ ಧಿಯನ್ನು 2014 ವಿಶ್ವರಸಲಾಗಿದೆ.

ಫೂ ಕಂಡು ಸರ್ಕಾರ ಘಡೆ ಬು ಸಂಬಂಧಿಸಿದಂತೆ ಯವನ್ನು ಸರ್ಕಾರ ಪುನರ್ರಸ್ತಾಪನೆ ಪರ ಸಂಬಂಧಪಟ್ಟ ತಹ ಸಂಪರ್ಕಿಸಲು ಜಿಲ್ಲಾ ಪ್ರಕಟಣೆ ತಿಳಿಸಿದೆ.

## ಲೋಕಾರ್ಪಣೆ

ಚಿಕ್ಕಮಗಳೂರು, ಏಪ್ರಿಲ್ 4:-  
 ಉಪಾಧ್ಯಕ್ಷರು ವರದಿ ಏಪ್ರಿಲ್ 5 ಪ್ರವಾಸ ಕೈಗೊಳ್ಳಲಿ. ಅಂದು ಬೆಳಿಗ್ಗೆ ಪ್ರವಾಸ ಮಂದಿರಕ್ಕೆ ತಾಲ್ಲೂಕಿನ ಸಾರ್ವಕಛೇರಿಗಳಿಗೆ ತಮ್ಮ ಆರ್ಬಿ/ದೂರು ಸಲ್ಲಿಸಿ/ದೂರನ್ನು ಸಂಬಂಧಿಸಿದ ವಿಲೇವಾರಿ ಯನ್ನು ಬಗೆಹರಿಸದ ದೂರುಗಳನ್ನು ಸಲ್ಲಿಸಲು

## ಉಪಾಧ್ಯಕ್ಷರು

ಮೂಡಿಗೆರೆ, ಏ.4:-  
 ಉಪಾಧ್ಯಕ್ಷರಾಗಿ ಕೆ.ಎ.ಎಸ್. ನೇಮಕಗೊಳಿಸಲಾಗಿದೆ. ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಗೌರವ ಹೇಳಿಕೆಯಲ್ಲಿ





- Survivability issues in WDM optical networks (Keynote Address-International Conference on Emerging Trends in Engineering and Technology) on 6<sup>th</sup> April 2014 at Bangalore
- LASERS in Medicine (Keynote Address-International Conference on Electronics, Communication, Computer Science and Information Technology) on 27<sup>th</sup> April 2014 at Bangalore
- Optical Communication (Keynote Address-International Conference on Emerging Trends in Engineering and Technology) on 18<sup>th</sup> May 2014 at Bangalore.
- Application of LASER (Keynote address: International Conference on Emerging Trends in Engineering Technology) on 8th June 2014 in Bangalore.
- Recent Advances in Laser Technology (Keynote Address-International Conference on Emerging Trends in Engineering Technology) on 22nd June 2014 at Bangalore
- Medical Applications of LASER on 17th July. 2014, FDP on Recent Technological Innovations in Optical Engineering conducted by E&C Dept. MCE, Hassan.
- Survivability issues in optical WDM networks on 17th July. 2014, FDP on Recent Technological Innovations in Optical Engineering conducted by E&C Dept. MCE, Hassan
- Application of LASERS in Medicine on 9<sup>th</sup> September. 2014, Short Term Training Program On Photonics, Optical Communication Systems, and Networks (8-10, September 2014) Organized by: Department of E&C Engineering & Department of Physics, National Institute of Technology, Surathkal, Karnataka.



- Survivability Issues in Optical Networks on 9<sup>th</sup> September. 2014, Short Term Training Program On Photonics, Optical Communication Systems, and Networks (8-10, September 2014) Organized by: Department of E&C Engineering & Department of Physics, National Institute of Technology, Surathkal, Karnataka
- Optical Networks on 20<sup>th</sup> September 2014, Workshop on Optical Communication Systems and Networks, Organized by: Department of E&C Engineering & Department of Electrical and Electronics, BMSIT, Bangalore.
- Recent Advances in Optical Networks on 24<sup>th</sup> Nov 2014 at SJMIT, Chitradurga.
- Fault tolerant optical networks on 11<sup>th</sup> Feb. 2015 at VVIT, Mysore.
- Keynote address on Nano Photonics on 2<sup>nd</sup> March. 2015, Short Term Training Program On Embedded Systems & RTOS (2-13, March 2015) Organized by: Department of E&C Engineering Govt. Polytechnic for Women, Hassan, Karnataka.
- High Performance Survivable Optical Networks on 27<sup>th</sup> April. 2015, Workshop on Recent Advances in Optical Technology Organized by: Department of Electronics, PG, Center Hema Gangothri, University of Mysore, Hassan.







- Quantum Electronics (Keynote Address-International Conference on Emerging Trends in Engineering and Technology) on 10<sup>th</sup> May 2015 at Bangalore
- Nano-Photonics (Keynote Address-International Conference on Emerging Trends in Engineering and Technology) on 17<sup>th</sup> May 2015 at Bangalore
- Nano-Photonics on 28<sup>th</sup> May 2015 at Proudhadavaraya Institute of Technology, Hospet
- LASERS and Its Applications (Keynote Address-International Conference on Emerging Trends in Engineering and Technology) on 7<sup>th</sup> June 2015 at Bangalore
- Medical Applications of Nano-Photonics (Keynote Address-International Conference on Emerging Trends in Engineering and Technology) on 9<sup>th</sup> Aug 2015 at Bangalore.
- Recent advances in Optical Networks on 18<sup>th</sup> Aug. 2015 at GEC, Kushalnagar.
- Research avenues in Photonics and Quantum Electronics on 29<sup>th</sup> Aug. 2015, IEEE Workshop on Recent Topics in Photonics conducted by GSSSIT Mysore and IEEE Photonics Society Bangalore.



- Survivability Issues in Optical Networks on 30<sup>th</sup> Oct 2015 at SJBIT, Bangalore.



- Optical Networks on 5<sup>th</sup> Nov. 2015, Technical Fest, E-Manthana, IEEE National Level Technical Paper Presentation, Organized by: Department of E&C Engineering, AIT, Chikmagalore.






ದಾಕ್ಷಿಣ್ಯ ಸಮ್ಮೇಳನವನ್ನು ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ಉದ್ಘಾಟಿಸುತ್ತಿರುವುದು.

### ಭವಿಷ್ಯದಲ್ಲಿ ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನ ಹೆಚ್ಚು ಬಳಕೆ

**ಬಾಂಗ್ಲಾ**

ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನ ಕ್ರಮೇಣವಾಗಿ ತನ್ನ ಕಾಯಗವಾಪ್ತಿಯನ್ನು ಹೆಚ್ಚಿಸಿಕೊಳ್ಳುತ್ತಿದ್ದು, ಭವಿಷ್ಯದಲ್ಲಿ ವಿಮೋಚಕ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಇದೇ ತಂತ್ರಜ್ಞಾನ ಹೆಚ್ಚು ಬಳಕೆಯಾಗಲಿದೆ ಎಂದು ನಗರದ ಮಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಇ.ಆಂಡ್.ಸಿ.ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ಹೇಳಿದರು.

ಚಿಕ್ಕಮಗಳೂರಿನ ಶ್ರೀ ಬಾಲಗಂಗಾಧರನಾಥ ಆದಿಬಂಜನಗಿರಿ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ದೂರದೂ ಮತ್ತು ಎಎಸ್‌ಟಿಇ ಸರಯುಕ್ತಾಶ್ರಯದಲ್ಲಿ 'ಎಲೆಕ್ಟ್ರಾನಿಕ್ ಮತ್ತು ಕಮ್ಯುನಿಕೇಷನ್' ವಿಷಯದ ಕುರಿತಂತೆ ಇತ್ತೀಚೆಗೆ ಏರ್ಪಡಿಸಲಾಗಿದ್ದ ದಾಕ್ಷಿಣ್ಯ ಸಮ್ಮೇಳನವನ್ನು ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದ ಅವರು, ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನವನ್ನು ಮುಖಾಂತಿ ತಂತ್ರಜ್ಞಾನ, ವೈದ್ಯಕೀಯ, ಸೇನೆ, ಎಂಜಿನಿಯರಿಂಗ್ ಸೇರಿದಂತೆ ಹಲವು ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಬಳಕೆ ಮಾಡಲಾಗುತ್ತಿದೆ. ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರದಲ್ಲಿ ಕ್ಯಾನ್ಸರ್ ಕಾಯಿಲೆಯನ್ನು ಪತ್ತೆಹಚ್ಚಲು, ಹಲ್ಲಿನಲ್ಲಿರುವ ಫ್ಲೂಯಿಡ್ ಅಂಶವನ್ನು ಪತ್ತೆಹಚ್ಚಲು ಹಾಗೂ ದೇಹದ ಇನ್ನಿತರೆ ಅಂಗಾಂಗಗಳಲ್ಲಿರುವ ಗೂಂಟುಗಳನ್ನು ಪತ್ತೆ ಮಾಡಲು ಈ ತಂತ್ರಜ್ಞಾನ ಸಹಕಾರಿಯಾಗಿದೆ ಎಂದು ತಿಳಿಸಿದರು.

ನ್ಯಾನೋ ಎಂದರೆ ಪರಮಾಣು, ಮುಟ್ಟದ ಅಧ್ಯಯನ ಎಂದರ್ಥ. ಅಂದರೆ ಒಂದು ವಸ್ತು ಅಥವಾ ವಿಷಯದ ಅಳತೆ ಇಳಿದು ಅದರ ಪರಮಾಣು ಮುಟ್ಟುವಷ್ಟು ಅಧ್ಯಯನ ಮಾಡುವುದಾಗಿದೆ. ಅದರಿಂದ ಈ ವಸ್ತುವಿನ ಅಣು ಅಣುವಿನ ವಸ್ತುವೈಶಿಷ್ಟ್ಯ ಅರಿತುಕೊಳ್ಳಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ.

ಇದರಿಂದ ಅತಿ ಸೂಕ್ಷ್ಮ ವಿಷಯಗಳನ್ನು ಕೂಡ ಗಮನಿಸಬಹುದಾಗಿದೆ. ಹಾಗಾಗಿಯೇ ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು ವೈದ್ಯಕೀಯ ಮತ್ತು ರಕ್ಷಣಾ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ವಿಶೇಷವಾಗಿ ಬಳಸಲಾಗುತ್ತಿದೆ. ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಸಿಕೊಂಡು ಈ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಸಾಕಷ್ಟು ಆವಿಷ್ಕಾರಗಳನ್ನೂ ಮಾಡಲಾಗಿದೆ ಎಂದರು.

ಸಮ್ಮೇಳನದ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದ ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಸುಬ್ರಹ್ಮಣ್ಯಂ ಮಾತನಾಡಿ, ತಾಂತ್ರಿಕ ಕ್ಷೇತ್ರದಲ್ಲಿ ಎಎಸ್‌ಟಿಇ ಮತ್ತು ದೂರದೂ ಉತ್ತಮ ಕೆಲಸ ಮಾಡುತ್ತಿವೆ. ಇಂತಹ ಸಮಾವೇಶ ಹಾಗೂ ಕಾರ್ಯಾಗಾರಗಳನ್ನು ಹಮ್ಮಿಕೊಳ್ಳುವುದರಿಂದ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜುಗಳ ಉದ್ಭಾವಣೆ-ರಿಗೆ ಹೆಚ್ಚಿನ ಪ್ರೋತ್ಸಾಹ ಸಂದಾಧರಿಸಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಟ್ಟಂತಾಗುತ್ತದೆ. ಇದರಿಂದ ವಿದಾರ್ಥಿಗಳು ಹಾಗೂ ಸಂಶೋಧಕರು ವಿದಾರ್ಥಿಗಳಿಗೆ ಕೂಡ ಹೆಚ್ಚಿನ ಅನುಕೂಲವಾಗಲಿದೆ ಎಂದು ಹೇಳಿದರು.

ಸಮಾವೇಶದಲ್ಲಿ ಕಾಲೇಜಿನ ಇ.ಆಂಡ್.ಸಿ.ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಜಿ.ಎನ್.ಪಿ.ಶ್ರೀನಿವಾಸ ಹಾಗೂ ಇತರರಿದ್ದರು.





- Recent Advances in Optical Networks on 7<sup>th</sup> Nov . 2015, Workshop on Nano-Photonics, Organized by: Department of E&C Engineering, VVIET, Mysuru



ದಿನಾಂಕ : 03-12-2015

**ಜನಶಕ್ತಿ**

**‘ಕಾಲಕ್ಕೆ ತಕ್ಕಂತೆ ತಂತ್ರಜ್ಞಾನ ಪರಿಷ್ಕರಣೆಗೊಳ್ಳಬೇಕು’**

ಬಾಹ್ಯ, ಡಿ. 2: ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕಾಲೇಜಿನಲ್ಲಿ, ಬಾಹ್ಯದ ಹಾಗೂ ನಿರ್ದೇಶಕರ ಅಧೀನ 1920 ರ ಕಾಲಮಾನದಲ್ಲಿಯೇ ಕ್ಯಾಂಪುಸ್ ಜೋಡಿಸಿಕೊಳ್ಳುವ ಮೇಲೆ ಕೆಲವು ಸಂವಿಧಾನಗಳ ಸೂತ್ರಗಳನ್ನು ಆಧರಿಸಿರುವ ಇಂದಿನ ಸಭೆ.

ಸಭೆಯಲ್ಲಿ ಪ್ರತಿಭಾನ್ವಿತರನ್ನು ಮಾನವೀಯವಾಗಿ, ಯಾವುದೇ ತಂತ್ರಜ್ಞಾನಗಳನ್ನು ಆಯಾ ಕಾಲಘಟ್ಟಕ್ಕೆ ತಕ್ಕಂತೆ ಪರಿಷ್ಕರಣೆಗೊಳಿಸುತ್ತದೆ ಎಂದು ಮಾನವ ಸಭೆಯ ಮೆರೆಸಾಡು ಎಂಬುದನ್ನು ಕೇಳಿಬಿಟ್ಟು ಇ ಅಂತ್ಯ 3 ವಿಭಾಗ

ಮುಖ್ಯಸ್ಥ ಡಾ. ವಿ.ಎ. ಪ್ರಕಾಶ್ ಕೆಎಮ್.ಎಸ್. ಪೀಠಾಧ್ಯಾಪಕರು ಮಾತನಾಡಿದರು. ಬಾಹ್ಯದ ಹಾಗೂ ನಿರ್ದೇಶಕರ ಅಧೀನ 1920 ರ ಕಾಲಮಾನದಲ್ಲಿಯೇ ಕ್ಯಾಂಪುಸ್ ಜೋಡಿಸಿಕೊಳ್ಳುವ ಮೇಲೆ ಕೆಲವು ಸಂವಿಧಾನಗಳ ಸೂತ್ರಗಳನ್ನು ಆಧರಿಸಿರುವ ಇಂದಿನ ಸಭೆ.

ಅವರು, ಈ ತಂತ್ರಜ್ಞಾನದ ಮೂಲಕ ಹೊಸ ಸ್ವಲ್ಪಾಂಶಗಳನ್ನು ಸಿದ್ಧಪಡಿಸಲು ಆ ಬಾಂಟ್ ಸಿದ್ಧಪಡಿಸಲಾಗಿದೆ. ಅದನ್ನು ಎಲ್ಲವನ್ನೂ ಪರಿಷ್ಕರಣೆಗೊಳಿಸುವ ಮೇಲೆ ಕೆಲವು ಸಂವಿಧಾನಗಳ ಸೂತ್ರಗಳನ್ನು ಆಧರಿಸಿರುವ ಇಂದಿನ ಸಭೆ.

ಅವರು, ಈ ತಂತ್ರಜ್ಞಾನದ ಮೂಲಕ ಹೊಸ ಸ್ವಲ್ಪಾಂಶಗಳನ್ನು ಸಿದ್ಧಪಡಿಸಲು ಆ ಬಾಂಟ್ ಸಿದ್ಧಪಡಿಸಲಾಗಿದೆ. ಅದನ್ನು ಎಲ್ಲವನ್ನೂ ಪರಿಷ್ಕರಣೆಗೊಳಿಸುವ ಮೇಲೆ ಕೆಲವು ಸಂವಿಧಾನಗಳ ಸೂತ್ರಗಳನ್ನು ಆಧರಿಸಿರುವ ಇಂದಿನ ಸಭೆ.

ಅವರು, ಈ ತಂತ್ರಜ್ಞಾನದ ಮೂಲಕ ಹೊಸ ಸ್ವಲ್ಪಾಂಶಗಳನ್ನು ಸಿದ್ಧಪಡಿಸಲು ಆ ಬಾಂಟ್ ಸಿದ್ಧಪಡಿಸಲಾಗಿದೆ. ಅದನ್ನು ಎಲ್ಲವನ್ನೂ ಪರಿಷ್ಕರಣೆಗೊಳಿಸುವ ಮೇಲೆ ಕೆಲವು ಸಂವಿಧಾನಗಳ ಸೂತ್ರಗಳನ್ನು ಆಧರಿಸಿರುವ ಇಂದಿನ ಸಭೆ.



- Invited talk on nano-photonics on 5th Dec 2015 at Kvg Engineering College Sullia



- Optical Networks was held on 30<sup>th</sup> January 2016 at Alva's Institute of Engineering and Technology, Moodbidri, Dakshina Kannada.
- Photonic band gap crystals and their applications on 30<sup>th</sup> January 2016 at Alva's Institute of Engineering and Technology, Moodbidri, Dakshina Kannada.
- Quantum dots and their application in quantum computing on 30<sup>th</sup> January 2016 at Alva's Institute of Engineering and Technology, Moodbidri, Dakshina Kannada.



- Recent Advances in Optical Networks on 4<sup>th</sup> March. 2016, Workshop on Recent Advances in Quantum and Optical Engineering, Organized by: Dept. of E&C, DMI College of engineering, Palanchur, Kancheepuram, Tamilnadu.
- Recent Advances in Quantum Photonics on 4<sup>th</sup> March. 2016, Workshop on Recent Advances in

Quantum and Optical Engineering, Organized by: Dept. of E&C, DMI College of engineering, Palanchur, Kancheepuram, Tamilnadu.



- Recent Advances in Photonic Bandgap Crystals on 4<sup>th</sup> March. 2016, Workshop on Recent Advances in Quantum and Optical Engineering, Organized by: Dept. of E&C, DMI College of Engineering, Palanchur, Kancheepuram, Tamilnadu.





- Recent advances in LASER Technology on 19<sup>th</sup> March. 2016, Workshop on Nanophotonics, Organized by: Dept. of E&C, Annamacharaya College of Technology and Sciences, Venkatapuram(Village), Renigunta(Mandal)Chittoor District, Andra Pradesh.



Quantum Electronics on 19<sup>th</sup> March. 2016, Workshop on Nanophotonics, Organized by: Dept. of E&C, Annamacharaya College of Technology and Sciences, Venkatapuram (Village), Renigunta (Mandal) Chittoor District, Andra Pradesh.





- Photonic Band Gap Crystals on 19<sup>th</sup> March. 2016, Workshop on Nanophotonics, Organized by: Dept. of E&C, Annamacharaya College of Technology and Sciences, Venkatapuram(Village), Renigunta (Mandal)Chittoor District, Andhra Pradesh.



- Keynote address on Recent Advances Optical Networks on 18<sup>th</sup> March. 2016, at International Conference on Internet Things & Applications for Smart City-



- 2k16(ICIOTAS-16), Organized by: Dept. of E&C, Annamacharaya college of Technology and Sciences, Venkatapuram (Village), Renigunta (Mandal)Chittoor District, Andra Pradesh.



- Quantum Photonics (Keynote Address-International Conference on Advances in Engineering, Science, and Technology) on 17<sup>th</sup> April 2016 at Bangalore.
- Survivable Optical Networks on 21<sup>st</sup> April 2016, IEEE Sponsored National Workshop on Micro/Nano Devices, Circuits and Systems, Organized by: Dept. of E&C, School of Engineering and Technology, Jain University Bangalore.
- Medical Applications of LASER on 7<sup>th</sup> May 2016, IEEE Sponsored National Workshop on MOEMS, Quantum Photonics and Optical Networks, Organized by: Dept. of E&C, Proudhavevaraya Institute of Technology, Hospet.





- Optical Communications on 7<sup>th</sup> May 2016, IEEE Sponsored National Workshop on MOEMS, Quantum Photonics and Optical Networks, Organized by: Dept. of E&C, Proudhavevaraya Institute of Technology, Hospet.





# ಲೀಸರ್ ತಂತ್ರಜ್ಞಾನದಿಂದ ಆಪ್ಟಿಕಲ್ ಫೈಬರ್ ಕೇಬಲ್ ಪ್ರಚಲಿತ

- 'ಕ್ವಾಂಟಮ್' ಫೋಟೋನಿಕ್ಸ್ ಮತ್ತು ಆಪ್ಟಿಕಲ್ ನೆಟ್‌ವರ್ಕ್ ವಿಷಯದ ವಿಚಾರ ಸಂಕರಣ
- ಅವರೇಷನ್ ಮಾಡಲು ಲೀಸರ್ ತಂತ್ರಜ್ಞಾನದಿಂದ ನುಲಬ

**ಹಾಸನ**  
ಆಪ್ಟಿಕಲ್ ಫೈಬರ್ ಕೇಬಲ್ ತಂತ್ರಜ್ಞಾನವನ್ನು ಸಾಕಷ್ಟು ಹಿಂದೆಯೇ ಆವಿಷ್ಕರಿಸಲಾಗಿತ್ತು. ಆದರೂ, ಲೀಸರ್ ತಂತ್ರಜ್ಞಾನ ಬಳಕೆಗೆ ಬಂದ ನಂತರವೇ ಆಪ್ಟಿಕಲ್ ಫೈಬರ್ ಕೇಬಲ್ ತಂತ್ರಜ್ಞಾನ ಬಳಕೆಗೆ ಬಂದಿತು ಎಂದು ನಗರದ ಮಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ತಿಳಿಸಿದರು.

ಇತ್ತೀಚೆಗೆ ಬಳ್ಳಾರಿಯ ಹೊಸಪೇಟೆಯ ಪೌಢದೇವರಾಯ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಕಮ್ಯುನಿಕೇಷನ್ ವಿಭಾಗದ ಪತಿಯಿಂದ 'ಕ್ವಾಂಟಮ್

ಫೋಟೋನಿಕ್ಸ್' ಮತ್ತು ಆಪ್ಟಿಕಲ್ ನೆಟ್‌ವರ್ಕ್ ವಿಷಯದ ಕುರಿತು ವಿವರಿಸಲಾಗಿದ್ದ ಒಂದು ದಿನದ ರಾಷ್ಟ್ರೀಯ ವಿಚಾರ ಸಂಕರಣದಲ್ಲಿ ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಯಾಗಿ ಮಾತನಾಡಿದ ಅವರು, 1966 ರಲ್ಲಿ ಥಿಯೋಡರ್ ಮೈಮೂನ್ ಎಂಬಾತ ರೂಬಿ ಲೇಸರ್ ತಂತ್ರಜ್ಞಾನವನ್ನು ಕಂಡುಹಿಡಿದರು. ನಂತರದ ದಿನಗಳಲ್ಲಿ ಇದೇ ತಂತ್ರಜ್ಞಾನ ಸಾಕಷ್ಟು ಅಭಿವೃದ್ಧಿಗೊಂಡು ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಲೇಸರ್ ತಂತ್ರಜ್ಞಾನವನ್ನು ಹೆಚ್ಚಾಗಿ ಬಳಸಲಾಗುತ್ತಿದೆ. ಅದರಲ್ಲೂ ಆರೋಗ್ಯ ಮತ್ತು ರಕ್ಷಣಾ ಕ್ಷೇತ್ರದಲ್ಲಿ ಈ ತಂತ್ರಜ್ಞಾನದಿಂದ ಕಾಂತಿ-ಕಾರಿ ಬದಲಾವಣೆಗಳಾಗಿವೆ. ಆರೋಗ್ಯ ಕ್ಷೇತ್ರದಲ್ಲಿ ಹಲವು ಕ್ಷಿಪ್ರಕರ ಶಸ್ತ್ರಚಿಕಿತ್ಸೆಗಳಿಗೆ ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಸಲಾಗುತ್ತಿದೆ. ಈ ಹಿಂದೆ ತೆರೆದ ಶಸ್ತ್ರಚಿಕಿತ್ಸೆ ಮೂಲಕ ಮಾಡುತ್ತಿದ್ದ ಆಪರೇಷನ್‌ಗಳನ್ನು ಲೇಸರ್ ತಂತ್ರಜ್ಞಾನದಿಂದ ಅತ್ಯಂತ ಸುಲಭ

ಮತ್ತು ರೋಗಿಗೆ ಹೆಚ್ಚು ನೋವಿಲ್ಲದೆ ಮಾಡಬಹುದಾಗಿದೆ. ಇನ್ನು ರಕ್ಷಣಾ ಕ್ಷೇತ್ರದಲ್ಲಿ ಅತ್ಯಂತ ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಸಿಕೊಳ್ಳಲಾಗುತ್ತಿದೆ. ಗಡಿ ರಕ್ಷಣೆಯಲ್ಲಿ ಲೇಸರ್ ತಂತ್ರಜ್ಞಾನ ಹೆಚ್ಚು ಬಳಕೆಯಾಗುತ್ತಿದೆ. ಮಾನವ ಶಕ್ತಿ ಇಲ್ಲದಿದ್ದರೂ ಲೇಸರ್ ತಂತ್ರಜ್ಞಾನದ ಬಳಕೆಯಿಂದ ಗಡಿಗಳಲ್ಲಿ ಅಕ್ರಮ ನುಸುಳುವಿಕೆಯನ್ನು ತಡೆಗಟ್ಟಬಹುದಾಗಿದೆ ಎಂದರು. ಇನ್ನು ಬ್ಯಾಂಕ್‌ಗಳು, ಸಂಶೋಧನಾ ಕೇಂದ್ರಗಳು ಸೇರಿದಂತೆ ಹಲವು ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ರಕ್ಷಣಾ ವ್ಯವಸ್ಥೆಗಾಗಿ ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಸಲಾಗುತ್ತಿದೆ.

ವೈಮಾನಿಕ ಕ್ಷೇತ್ರದಲ್ಲಿಯೂ ಈ ತಂತ್ರಜ್ಞಾನ ಹೆಚ್ಚು ಉಪಯೋಗವಾಗುತ್ತಿದ್ದು, ವಿಮಾನಗಳು ಮತ್ತು ಯುದ್ಧ ವಿಮಾನಗಳಲ್ಲಿ ಈ ತಂತ್ರಜ್ಞಾನ ಅಳವಡಿಕೆಯಿಂದ ವಿಮಾನಗಳ ನಡುವಿನ ಅಂತರ ಹಾಗೂ ಶತ್ರು ವಿಮಾನಗಳನ್ನು ಗುರುತಿಸುವಲ್ಲಿ ಉಪಯೋಗವಾಗುತ್ತದೆ ಎಂದರು.

ಸಂಸ್ಥೆಯ ಅಧ್ಯಕ್ಷರಾದ ಗೋನಾಳ್ ವಿರೂಪಾಕ್ಷಪ್ಪ ಅವರು ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಸನ್ಮಾನಿಸಿದರು. ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಶಿವಕುಮಾರ್, ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಕಮ್ಯುನಿಕೇಷನ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ರೋಹಿತ್, ವಿಟಿಯು ಪ್ರೊಫೆಸರ್ ಡಾ.ಇಂಧುಮತಿ, ಬೆಂಗಳೂರಿನ ಜೈನ್ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಡಾ.ವೈಭವ್ ಹಾಗೂ ಇತರರು ಇದ್ದರು.



ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಸನ್ಮಾನಿಸುತ್ತಿರುವುದು.

- Free Space Optics on 7<sup>th</sup> May 2016, IEEE Sponsored National Workshop on MOEMS, Quantum Photonics and Optical Networks, Organized by: Dept. of E&C, Proudthadevaraya Institute of Technology, Hospet.







- Keynote address on “Survivable Optical Networks” on 18<sup>th</sup> & 19<sup>th</sup> May. 2016, at International Conference on Signal Processing, Communication and Computational Research (ICCSPCR-2016), Organized by Dept. of E&C, Vidya Vikas Institute of Engineering and Technology, Mysore, India.
- Invited to give a talk on Biosensors at BIOMATSEN 2016 conducted by Gebze University, Istanbul, Turkey on 1<sup>st</sup> and 3<sup>rd</sup> June 2016.
- Keynote address on “High Speed Optical Networks” on 06<sup>th</sup> & 07<sup>th</sup> June. 2016, at International Conference on Applied Science Engineering and Technology (ICASSET- 2016), Organized by Sai Ram College of Engineering and Technology, Anekal, Bangalore, India.

### ವಿದ್ಯಾರ್ಥಿಗಳು ಹೆಚ್ಚಿನ ಸಂಶೋಧನೆಯಲ್ಲಿ ತೊಡಗಲು ಸಲಹೆ

**■ ಆಪ್ತಿಕಲ್ ತಂತ್ರಜ್ಞಾನಕ್ಕೆ ಇನ್ನಷ್ಟು ಸಾಕಣೆ ಆಗುವಂತೆ**  
**■ ಕಾಲಕ್ಕೆ ತಕ್ಕಂತೆ ಉನ್ನತೀಕರಣಗೊಳಿಸುವುದು**

**ಮಾಸ**  
ಆಪ್ತಿಕಲ್ ತಂತ್ರಜ್ಞಾನ ಅಭಿವೃದ್ಧಿಗಾಗಿ ದಿನಗೂ ಅಧ್ಯಯನ ಮಾಡುವುದು ಅಗತ್ಯ. ಆಪ್ತಿಕಲ್ ತಂತ್ರಜ್ಞಾನದ ಅಭಿವೃದ್ಧಿಗಾಗಿ ದಿನಗೂ ಅಧ್ಯಯನ ಮಾಡುವುದು ಅಗತ್ಯ. ಆಪ್ತಿಕಲ್ ತಂತ್ರಜ್ಞಾನದ ಅಭಿವೃದ್ಧಿಗಾಗಿ ದಿನಗೂ ಅಧ್ಯಯನ ಮಾಡುವುದು ಅಗತ್ಯ.

ಆಪ್ತಿಕಲ್ ತಂತ್ರಜ್ಞಾನದ ಅಭಿವೃದ್ಧಿಗಾಗಿ ದಿನಗೂ ಅಧ್ಯಯನ ಮಾಡುವುದು ಅಗತ್ಯ. ಆಪ್ತಿಕಲ್ ತಂತ್ರಜ್ಞಾನದ ಅಭಿವೃದ್ಧಿಗಾಗಿ ದಿನಗೂ ಅಧ್ಯಯನ ಮಾಡುವುದು ಅಗತ್ಯ. ಆಪ್ತಿಕಲ್ ತಂತ್ರಜ್ಞಾನದ ಅಭಿವೃದ್ಧಿಗಾಗಿ ದಿನಗೂ ಅಧ್ಯಯನ ಮಾಡುವುದು ಅಗತ್ಯ.

**ವಿಜ್ಞಾನ ಸಂಶೋಧನೆಗೆ ಡಾ. ಪಿ. ಪಿ. ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಸನ್ಮಾನಿಸಿದ್ದು.**

ವಿಜ್ಞಾನ ಸಂಶೋಧನೆಗೆ ಡಾ. ಪಿ. ಪಿ. ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಸನ್ಮಾನಿಸಿದ್ದು. ವಿಜ್ಞಾನ ಸಂಶೋಧನೆಗೆ ಡಾ. ಪಿ. ಪಿ. ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಸನ್ಮಾನಿಸಿದ್ದು. ವಿಜ್ಞಾನ ಸಂಶೋಧನೆಗೆ ಡಾ. ಪಿ. ಪಿ. ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಸನ್ಮಾನಿಸಿದ್ದು.









ಪೊರ್ತುಗೀಸ್ ಬ್ಯಾಂಡ್ ಗ್ಯಾಪ್ ಹೆಚ್ಚು ಉಪಯೋಗ

- Keynote address on “High Speed Optical Networks” on 18<sup>th</sup> & 19<sup>th</sup> August. 2016, at International Conference on Research Challenges in Engineering and Technology (ICRCET-2016), Organized by Siddharth Institute of Engineering and Technology, Puttur, Chittoor District, Andra Pradesh.







- Photonic Band Gap Crystals on 16<sup>th</sup> September. 2016, Seminar on Nanophotonics, Organized by: Dept. of E&C, Bhahubali College of Engineering and IEEE Photonic Society, Bangalore Chapter, Shravanabelagola, Hassan.
- Quantum Dots on 16<sup>th</sup> September 2016, Seminar on Nanophotonics, Organized by: Dept. of E&C, Bhahubali College of Engineering, and IEEE Photonic Society, Bangalore Chapter, Shravanabelagola, Hassan.
- LASERS on 16<sup>th</sup> September. 2016, Seminar on Nanophotonics, Organized by: Dept. of E&C,



Bhahubali College of Engineering, and IEEE Photonic Society, Bangalore Chapter, Shravanabelagola, Hassan.



- Keynote address on “Photonic Bandgap Crystals” on 18<sup>th</sup> & 19<sup>th</sup> October, 2016, at the 2<sup>nd</sup> International Conference on Applied Science Engineering and Technology (ICASET-2016), Organized by Swetha Institute of Technology and Science, Tirupati, Andra Pradesh, India.



- Quantum Computing on 19<sup>th</sup> October 2016, Workshop on Nanophotonics, organized by: Dept. of E&C, Organized by Swetha Institute of Technology and Science, Tirupati, Andra Pradesh, India.







- High-Speed Optical Networks on 19<sup>th</sup> October. 2016, Workshop on Nanophotonics, organized by: Dept. of E&C, Organized by Swetha Institute of Technology and Science, Tirupati, Andra Pradesh, India.
- Keynote address on “Nano Photonics” on 10<sup>th</sup> & 11<sup>th</sup> November 2016, at the International Conference on Chip, Circuitry, Current, Coding, Combustion and Composites(i7C-2016), Organized by Sai Ram College of Engineering and Technology, Anekal, Bangalore, India



- Lab-on-Chip based Optical Biosensor for the application of dental fluorosis, on 4<sup>th</sup> & 8<sup>th</sup> December 2016, at International Conference on Photonics (Photonics-2016), Organized by IIT, Kanpur, India.







## ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನದಿಂದ ಕ್ರಾಂತಿಕಾರಕ ಬದಲಾವಣೆ

**ಹಾಸನ:** ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನದಿಂದಾಗಿ ಆರೋಗ್ಯ, ವಿಜ್ಞಾನ ಮತ್ತು ರಕ್ಷಣಾ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಕ್ರಾಂತಿಕಾರಕ ಬದಲಾವಣೆಗಳಾಗಿದೆ ಎಂದು ನಗರದ ಮಲ್ಲಾಡ್ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ತಿಳಿಸಿದರು.

ಇತ್ತೀಚೆಗೆ ಕಾನ್ಪುರದ ಐಐಟಿಯಲ್ಲಿ ನಡೆದ ಪೋರ್ಟ್‌ನಿಕ್-2016 ಎಂಬ ಅಂತರಾಷ್ಟ್ರೀಯ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಮಾತನಾಡಿದ ಅವರು, ನ್ಯಾನೋ ಸೈನ್ಸರ್ ಮತ್ತು ಬಳಕೆಯ ಕುರಿತು ಮಾತನಾಡಿದರು. ಪ್ರಮುಖವಾಗಿ ಕುಡಿಯುವ ನೀರಿನಲ್ಲಿರುವ ಫ್ಲೋರೈಡ್ ಅಂಶವನ್ನು ಪತ್ತೆ ಮಾಡಲು ಈ ತಂತ್ರಜ್ಞಾನ ಹೆಚ್ಚಿನ ಉಪಯುಕ್ತವಾಗಿದೆ. ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಫ್ಲೋರೈಡ್ ಅಂಶ ಹೆಚ್ಚಾಗಿ ಪತ್ತೆಯಾಗುತ್ತಿದೆ. ಇಂತಹ ನೀರನ್ನು ಕುಡಿದ ಜನರಲ್ಲಿ ಅಂಗವೈಕಲ್ಯಗಳು ಕಂಡುಬರುತ್ತವೆ. ಹಾಗಾಗಿ ಭೂಮಿಯ ಅಂತರಾಳದಲ್ಲಿ ಸಿಕ್ಕ ನೀರು ಫ್ಲೋರೈಡ್ ಮುಕ್ತವಾಗಿದ್ದು, ಕುಡಿಯಲು ಯೋಗ್ಯವಾಗಿದೆಯೇ ಎನ್ನುವುದನ್ನು ಈ ತಂತ್ರಜ್ಞಾನದಿಂದ ತಿಳಿದುಕೊಳ್ಳಬಹುದಾಗಿದೆ ಎಂದರು.

ವೈದ್ಯಕೀಯ ಕ್ಷೇತ್ರದಲ್ಲೂ ಈ ತಂತ್ರಜ್ಞಾನ ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಬಳಕೆಯಾಗುತ್ತಿದೆ. ಹಾಲಿ ರಕ್ತ ಪರೀಕ್ಷೆಗೆ ಗಂಟೆಗಟ್ಟಲೆ ಇಲ್ಲವೆ ದಿನಗಟ್ಟಲೆ ಸಮಯ ತೆಗೆದುಕೊಳ್ಳುತ್ತಾರೆ. ಆದರೆ, ಈ ತಂತ್ರಜ್ಞಾನ ಬಳಕೆಯಿಂದ ಕೆಲವೇ ನಿಮಿಷಗಳಲ್ಲಿ ರಕ್ತದ ಮಾದರಿಯನ್ನು ಪರೀಕ್ಷಿಸಿ ವರದಿ ನೀಡಬಹುದಾಗಿದೆ.

ಇದರಿಂದ ರೋಗಿಗಳ ಸಮಯದ ಉಳಿತಾಯವೂ ಆಗುತ್ತದೆ. ಇನ್ನು ಇದೇ ತಂತ್ರಜ್ಞಾನವನ್ನು ಪೊಲೀಸ್ ಇಲಾಖೆಯಲ್ಲಿ ಬಳಕೆ ಮಾಡುವುದರಿಂದ ಅಪರಾಧ ಪತ್ತೆಯಲ್ಲಿಯೂ ಅತಿ ಶೀಘ್ರವಾಗಿ ಸಾಧನೆ ಮಾಡಬಹುದಾಗಿದೆ. ಹಾಗೆಯೇ ರಕ್ಷಣಾ ಕ್ಷೇತ್ರದಲ್ಲಿ ಈ ತಂತ್ರಜ್ಞಾನ ಅನಿವಾರ್ಯವಾಗಲಿದೆ. ಏಕೆಂದರೆ, ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ ಬಯೋ ವಾರ್ (ಜೈವಿಕ ಯುದ್ಧ) ಅಂದರೆ, ಒಂದು ರಾಷ್ಟ್ರ ತನ್ನ ಶತ್ರು ರಾಷ್ಟ್ರದ ಮೇಲೆ ರೋಗಗಳನ್ನು ಉಂಟುಮಾಡುವ ರೋಗಾಣುಗಳನ್ನು ಹೊತ್ತ ಬಾಂಬನ್ನು ಪ್ರಯೋಗಿಸುತ್ತಾರೆ. ಆಗ ಶತ್ರು ರಾಷ್ಟ್ರದ ಜನರು ಇಲ್ಲಿಸಲ್ಲದ ಕಾಯಿಲೆಗಳಿಗೆ ತುತ್ತಾಗಿ ಆ ರಾಷ್ಟ್ರ ತನ್ನ ಮಾನವ ಸಂಪನ್ಮೂಲವನ್ನು ಕಳೆದುಕೊಂಡು ದುರ್ಬಲವಾಗುತ್ತದೆ. ಹಾಗಾಗಿ ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನದ ಮೂಲಕ ವಾತಾವರಣದಲ್ಲಿ ಎಂತಹ ವೈರಾಣುಗಳಿವೆ ಎನ್ನುವುದನ್ನು ಸುಲಭವಾಗಿ ಪತ್ತೆ ಮಾಡಬಹುದಾಗಿದೆ ಎಂದರು. ಕಾರ್ಯಾಗಾರದ ಮುಖ್ಯಸ್ಥ ಡಾ.ದೇಬಬ್ರತ ಗೋಸ್ವಾಮಿ, ಆಸ್ಟ್ರೇಲಿಯಾದ ಡಾ.ಜಗದೀಶ್ ಚಟ್ಟರ್ಜಿ ಹಾಗೂ ಇತರ ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಗಳು ಹಾಜರಿದ್ದರು.



ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಪಂಜಾಬ್‌ನ ಐಐಟಿಯ ಡಾ.ರಾಜೇಶ್ ಸ್ವಾಗತಿಸಿದರು.

- Keynote address on “Photonic Bandgap Crystals” on 15<sup>th</sup> & 16<sup>th</sup> December 2016, at the International Conference on Technological Innovations in Engineering (ICTIE- 2016), Organized by MIT Polytechnic, Pune, Maharashtra, India.





- Optical Networks on 16<sup>th</sup> December, 2016, Technical Symposium on Nano Technology, Organized by: Dept. of E&TC MIT Polytechnic, Pune, Maharashtra, India.





- Quantum Computing on 16<sup>th</sup> December. 2016, Technical Symposium on Nano Technology, Organized by: Dept. of E&TC MIT Polytechnic, Pune, Maharashtra, India
- LASERS on 16<sup>th</sup> December. 2016, Technical Symposium on Nano Technology, Organized by: Dept. of E&TC MIT Polytechnic, Pune, Maharashtra, India



- Keynote address on “Nano-Bio Sensors” on 23<sup>rd</sup> & 24<sup>th</sup> Feb 2017, at the International Conference on Recent Challenges in Engineering Technology (ICRCE- 2017), Organized by Sharad Institute of Technology College of Engineering, Yadrav, Ichalkaranji, Maharashtra, India





- Plasmonics on 23<sup>rd</sup> Feb. 2017, Technical Workshop on Nano Technology, Organized by: Dept. of E&C Sharad Institute of Technology college of engineering, Yadrav, Ichalkaranji, Maharashtra, India



- Optical Computing on 23<sup>rd</sup> Feb. 2017, Technical Workshop on Nano Technology, Organized by: Dept. of E&C Sharad Institute of Technology college of engineering, Yadrav, Ichalkaranji, Maharashtra, India





- LASERS in Medicine on 23<sup>rd</sup> Feb. 2017, Technical Workshop on Nano Technology, Organized by: Dept. of E&C Sharad Institute of Technology college of engineering, Yadrav, Ichalkaranji, Maharashtra, India



- Microfluidics on 23<sup>rd</sup> Feb. 2017, Technical Workshop on Nano Technology, Organized by: Dept. of E&C Sharad Institute of Technology college of engineering, Yadrav, Ichalkaranji, Maharashtra, India



## ಅಂತಾರಾಷ್ಟ್ರೀಯ ವಿಚಾರಸಂಕಿರಣ

ಹಾಸನ: ನಗರದ ಮಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಇ ಅಂಡ್ ಸಿ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ಇತ್ತೀಚೆಗೆ ಮಹಾರಾಷ್ಟ್ರದ ಕೊಲ್ಲಾಪುರದಲ್ಲಿ ನಡೆದ ಅಂತಾರಾಷ್ಟ್ರೀಯ ವಿಚಾರಸಂಕಿರಣದಲ್ಲಿ ಪಾಲ್ಗೊಂಡಿದ್ದರು.

ಕೊಲ್ಲಾಪುರದ ಶರದ್ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ 'ಎಂಜಿನಿಯರಿಂಗ್ ತಂತ್ರಜ್ಞಾನಕ್ಕೆ ಇಂದಿನ ಸವಾಲುಗಳು' ಕುರಿತಂತೆ ನಡೆದ ವಿಚಾರ ಸಂಕಿರಣದಲ್ಲಿ ಪ್ರಾಸ್ತಾವಿಕ ತಂತ್ರಜ್ಞಾನದ ಬಗ್ಗೆ ಮಾತನಾಡುತ್ತಾ, ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು ರೋಗಗಳ ಪತ್ತೆಗೆ, ಮುಂದೆ ಬರಬಹುದಾದ ಕಾಯಿಲೆಗಳನ್ನು ಗುರ್ತಿಸಲು, ದೇಹದಲ್ಲಾಗುವ ಏರುಪೇರುಗಳನ್ನು ಗುರ್ತಿಸಲು ಬಳಸಲಾಗುತ್ತದೆ. ನ್ಯೂನೋ ಚಿಪ್ಪನ್ನು ದೇಹದಲ್ಲಿ ಅಳವಡಿಸಿ ದೇಹದ ಏರುಪೇರುಗಳ ಬಗ್ಗೆ ನಿಗಾ ಇಡಬಹುದಾಗಿದೆ.

ಹಾಗೆಯೇ ರಕ್ಷಣಾ ಕ್ಷೇತ್ರದಲ್ಲಿ ಜಲಾಂತರ್ಗಾಮಿಗಳ ದಾಳಿ ಮೇಲೆ ನಿಗಾ ಇಡಲು ಈ ತಂತ್ರಜ್ಞಾನ ನೆರವಾಗಲಿದೆ ಎಂದು ಹೇಳಿದರು. ಕಾಲೇಜಿನ ಕಾರ್ಯದರ್ಶಿ ಭಗಾನೆ ಮಾತನಾಡುತ್ತಾ, ಪ್ರಸ್ತುತ ಸನ್ನಿವೇಶಗಳಲ್ಲಿ ಎಂಜಿನಿಯರಿಂಗ್ ಕ್ಷೇತ್ರ ಸಾಕಷ್ಟು ಸವಾಲುಗಳನ್ನು ಎದುರಿಸುತ್ತಿದೆ. ಆಧುನಿಕ ಬದಲಾವಣೆಗಳಿಗೆ ತಕ್ಕಂತೆ ಆವಿಷ್ಕಾರಗಳನ್ನು ಮಾಡುವ ನಿಟ್ಟಿನಲ್ಲಿ ಸಂಶೋಧನೆಗಳು ನಡೆಯಬೇಕು. ಈ ನಿಟ್ಟಿನಲ್ಲಿ ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳು ಅಧ್ಯಯನ ನಡೆಸಬೇಕು ಎಂದು ಕರೆ ನೀಡಿದರು.

ಧಾರವಾಡದ ಕರ್ನಾಟಕ ವಿವಿ ಅಧ್ಯಕ್ಷರಾದ ಡಾ.ರಾಯ್, ಬೆಂಗಳೂರಿನ ಟಾಟಾ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿಯ ಡಾ.ಗೋಪಾಲ ಹೆಗಡೆ ಹಾಗೂ ಇತರರು ಇದ್ದರು.



ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಶ್ರೀಕಾಂತ್ ಅವರನ್ನು ಸನ್ಮಾನಿಸಲಾಯಿತು.

- Design & Development of a simple sensors on 18<sup>th</sup> March. 2017, One-day Workshop on “MOEMS and Applications”, conducted by E&C Dept. MCE, Hassan, (Sponsored by TEQIP II).
- Introduction to Optical Networks on 21<sup>st</sup> March. 2017, One-day Workshop on “High-Speed Optical Networks”, conducted by E&C Dept. MCE, Hassan, (Sponsored by TEQIP II).
- OFDM Systems on 21<sup>st</sup> March. 2017, One-day Workshop on “High-Speed Optical Networks”, conducted by E&C Dept. MCE, Hassan, (Sponsored by TEQIP II).
- Keynote on Photonic Bandgap Crystal Sensors and their application at IEEE CYBERIA 17 conducted on 1st April 2017 at JSS Science and Technology University, Mysore, India.
- High-Speed Optical Networks on 25<sup>th</sup> April 2017, Technical Symposium on Nano-Photonics, Organized by: Dept. of E&C, NDRK Institute of Technology, Hassan, Karnataka, India.





- Surface Plasmon Resonance on 25<sup>th</sup> April 2017, Technical Symposium on Nano-Photonics, Organized by: Dept. of E&C, NDRK Institute of Technology, Hassan, Karnataka, India.



- Photonic Bandgap Crystals on 25<sup>th</sup> April 2017, Technical Symposium on Nano-Photonics, Organized by: Dept. of E&C, NDRK Institute of Technology, Hassan, Karnataka, India.
- Quantum Computing on 25<sup>th</sup> April 2017, Technical Symposium on Nano-Photonics, Organized by: Dept. of E&C, NDRK Institute of Technology, Hassan, Karnataka, India.



- High-Speed Optical Networks on 3<sup>rd</sup> May 2017, Technical Symposium on Nano-Photonics, Organized by: Dept. of E&C, Siddaganga Institute of Technology, Tumkur, Karnataka, India
- Surface Plasmon Resonance on 3<sup>rd</sup> May 2017, Technical Symposium on Nano-Photonics, Organized by: Dept. of E&C, Siddaganga Institute of Technology, Tumkur, Karnataka, India.
- Photonic Bandgap Crystals on 3<sup>rd</sup> May 2017, Technical Symposium on Nano-Photonics, Organized by: Dept. of E&C, Siddaganga Institute of Technology, Tumkur, Karnataka, India
- Optical Computing on 3<sup>rd</sup> May 2017, Technical Symposium on Nano-Photonics, Organized by: Dept. of E&C, Siddaganga Institute of Technology, Tumkur, Karnataka, India.





- On “Photonic Crystals and its Applications” on 12<sup>th</sup> May 2017, at the international conference on Emerging Trends in Engineering (ICETE-2017), Organized by NMAM Institute of Technology, Nitte, Udupi District, Karnataka, India.



- Role of Optical Networks on 29<sup>th</sup> May 2017 workshop on Recent Advances in Optical Communication and Networks conducted by Karnataka State Higher Education Council (KSHEC), Palace Road, Bangalore.



- Keynote address on “High-Speed Optical Networks” on 2<sup>nd</sup> June 2017, at the International Conference on Current Research on Embedded, Information and Computer Technologies (ICEICT-2017), Organized by R R Institute of Technology, Bangalore, India.



- Bio Sensors on 3<sup>rd</sup> June 2017, Workshop on Optical Engineering, Organized by: Dept. of E&C, R R Institute of Technology, Bangalore, India.
- Quantum Communication on 3<sup>rd</sup> June 2017, Workshop on Optical Engineering, Organized by: Dept. of E&C, R R Institute of Technology, Bangalore, India.
- Quantum Computing on 3<sup>rd</sup> June 2017, Workshop on Optical Engineering, Organized by: Dept. of E&C, R R Institute of Technology, Bangalore, India.
- Nano Photonics on 3<sup>rd</sup> June 2017, Workshop on Optical Engineering, Organized by: Dept. of E&C, R R Institute of Technology, Bangalore, India.





## ಕ್ವಾಂಟಂ ತಂತ್ರಜ್ಞಾನದಿಂದ ಹ್ಯಾಕಿಂಗ್ ನಿಯಂತ್ರಣ

ಹಾಸನ: ತಂತ್ರಾಂಶ (ಡಾಟಾ) ವನ್ನು ಒಂದೆಡೆಯಿಂದ ಮತ್ತೊಂದೆಡೆಗೆ ಕಳುಹಿಸುವ ವಿಧಾನಗಳಲ್ಲಿ ಇತ್ತೀಚಿನ ಸಂಶೋಧನೆಯಾದ ಕ್ವಾಂಟಂ ತಂತ್ರಜ್ಞಾನದಿಂದ ಹ್ಯಾಕಿಂಗ್ ಸಮಸ್ಯೆಯನ್ನು ತಪ್ಪಿಸಬಹುದಾಗಿದೆ ಎಂದು ನಗರದ ಮೆಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ಹೇಳಿದರು.

ಇತ್ತೀಚೆಗೆ ಬೆಂಗಳೂರಿನ ಚಿಕ್ಕಬಾಗವರದ ಆರ್. ಆರ್. ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ 'ಕಂಪ್ಯೂಟರ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಇತ್ತೀಚಿನ ಸಂಶೋಧನೆಗಳು' ಎನ್ನುವ ವಿಷಯದ ಕುರಿತಂತೆ ನಡೆದ ಅಂತಾರಾಷ್ಟ್ರೀಯ ವಿಚಾರ ಸಂಕರಣದಲ್ಲಿ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿ ಮಾತನಾಡಿದ ಅವರು, ಹಾಲಿ ತಂತ್ರಾಂಶವನ್ನು ರ್ಯಾಂಡಂ ಮಾದರಿಯಲ್ಲಿ ಆಪ್ಟಿಕಲ್ ಫೈಬರ್ ಕೇಬಲ್‌ಗಳ ಮೂಲಕ ಕಳುಹಿಸಲಾಗುತ್ತಿದೆ. ಆದರೆ, ಈ ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ಮಾಹಿತಿ ಸೋರಿಕೆಯಾಗುವ ಸಾಧ್ಯತೆಗಳಿರುತ್ತದೆ ಎಂದು ಆತಂಕ ವ್ಯಕ್ತಪಡಿಸಿದರು. ತಂತ್ರಾಂಶ ವರ್ಗಾವಣೆಯಲ್ಲಿ ಕ್ವಾಂಟಂ ತಂತ್ರಜ್ಞಾನ ಬಳಕೆ ಮಾಡುವುದರಿಂದ ಹೆಚ್ಚು ಸುರಕ್ಷಿತವಾಗಿರುತ್ತದೆ. ತಂತ್ರಾಂಶವನ್ನು ಕ್ಯೂ ಬಿಟ್ ಆಗಿ ಪರಿವರ್ತನೆ ಮಾಡಿ ಆಪ್ಟಿಕಲ್ ಫೈಬರ್ ಕೇಬಲ್ ಮೂಲಕ ವರ್ಗಾವಣೆ ಮಾಡುವುದರಿಂದ ಯಾವುದೇ ಮಾಹಿತಿಗಳನ್ನು ಹ್ಯಾಕಿಂಗ್ ಮಾಡಲು ಸಾಧ್ಯವಾಗುವುದಿಲ್ಲ. ಹಾಗಾಗಿ ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು



ವಿಚಾರ ಸಂಕರಣದಲ್ಲಿ ಕೈಪಿಡಿ ಬಿಡುಗಡೆ ಮಾಡಲಾಯಿತು.

ರಕ್ಷಣಾ ಕ್ಷೇತ್ರ ಮತ್ತು ಬ್ಯಾಂಕಿಂಗ್ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಅತ್ಯಂತ ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಬಳಕೆ ಮಾಡಬಹುದಾಗಿದೆ. ಈಗಾಗಲೇ ಈ ನಿಟ್ಟಿನಲ್ಲಿ ನೆರೆಯ ಚೀನಾ ದೇಶದಲ್ಲಿ ಸುಮಾರು 2 ಸಾವಿರ ಕಿಲೋಮೀಟರ್‌ನಷ್ಟು ದೂರದ ಆಪ್ಟಿಕಲ್ ಫೈಬರ್ ಕೇಬಲ್‌ಗಳ ಅಳವಡಿಕೆ ಮಾಡಲಾಗಿದೆ. ಇದೇ ಮಾದರಿಯಲ್ಲಿ ನಮ್ಮ ದೇಶದಲ್ಲೂ ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಕೆ ಮಾಡಿಕೊಂಡಲ್ಲಿ ಗೌಪ್ಯ ಮಾಹಿತಿಗಳನ್ನು ಸಂರಕ್ಷಿಸಬಹುದಾಗಿದೆ ಎಂದರು.

ಮುಖ್ಯ ಅತಿಥಿಗಳಾಗಿದ್ದ ಪ್ರಾಂಶುಪಾಲೆ ಡಾ.ಭಾಗ್ಯ ಶೇಖರ್ ಮಾತನಾಡುತ್ತಾ, ಇತ್ತೀಚಿನ

ದಿನಗಳಲ್ಲಿ ಕಂಪ್ಯೂಟರ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಭಾರೀ ವೇಗದ ಬದಲಾವಣೆಗಳಾಗುತ್ತಿವೆ. ಇಂದು ಇದ್ದ ತಂತ್ರಜ್ಞಾನ ನಾಳೆಯ ಹೊತ್ತಿಗೆ ಹಳೆಯದಾಗಿರುತ್ತದೆ. ಹಾಗಾಗಿ ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳು ಈ ನಿಟ್ಟಿನಲ್ಲಿ ಸದಾ ಸಂಶೋಧನೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಳ್ಳುವ ಅಗತ್ಯವಿದೆ ಎಂದು ಕರೆ ನೀಡಿದರು.

ವಿಚಾರ ಸಂಕರಣದಲ್ಲಿ ಪ್ರೊಫೆಸರ್ ಡಾ.ಮನೋಜ್ ಪ್ರಿಯತಂ, ಬೆಂಗಳೂರಿನ ದಯಾನಂದ ಸಾಗರ್ ಯೂನಿವರ್ಸಿಟಿಯ ಪ್ರೊಫೆಸರ್ ಡಾ. ವೈಭವ್ ಮೆಸರಾಂ ಹಾಗೂ ಇತರರು ಪಾಲ್ಗೊಂಡಿದ್ದರು.

- Keynote address on “Nano-Bio Sensors” on 22nd & 23rd June 2017, at International Conference on Wearable Technologies (ICOWT-2017), Organized by Dayanand Sagar University, School of Engineering, Bangalore, India.





## ಕೈಗಡಿಯಾರದಿಂದಲೇ ಬಿಪಿ, ಶುಗರ್ ಪತ್ತೆ

ಹಾಸನ: ಇತ್ತೀಚಿನ ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನದಿಂದ ಎಷ್ಟು ಉಪಯೋಗ ಆಗುತ್ತಿದೆಯೆಂದರೆ ಕೈಗೆ ಕಟ್ಟುವ ವಾಚಿನಿಂದಲೇ ನಮ್ಮ ದೇಹದಲ್ಲಿರುವ ಬಿಪಿ ಮತ್ತು ಶುಗರ್‌ನ ಪ್ರಮಾಣವನ್ನು ತಿಳಿದುಕೊಳ್ಳಬಹುದಾಗಿದೆ ಎಂದು ನಗರದ ಮಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಧ್ಯಾಪಕ ಶ್ರೀಕಾಂತ್ ತಿಳಿಸಿದರು.

ಇತ್ತೀಚೆಗೆ ಬೆಂಗಳೂರಿನ ದಯಾನಂದ್‌ಸಾಗರ್ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದಲ್ಲಿ 'ಧರಿಸಬಹುದಾದ ತಂತ್ರಜ್ಞಾನಗಳು' ಎಂಬ ವಿಷಯದ ಕುರಿತಾಗಿ ನಡೆದ ಕಾರ್ಯಾಗಾರವನ್ನು ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದ ಅವರು, ಈ ಮೊದಲಲ್ಲಾ ಬಿಪಿ,

ಸಕ್ಕರೆ ಕಾಯಿಲೆ, ಥೈರಾಯ್ಡ್ ಸೇರಿದಂತೆ ಹಲವು ಕಾಯಿಲೆಗಳ ಪ್ರಮಾಣ ಹಾಗೂ ಸ್ಥಿತಿಗತಿಯನ್ನು ತಿಳಿದುಕೊಳ್ಳಲು ಪ್ರಯೋಗಾಲಯಗಳಿಗೆ ಹೋಗಬೇಕಿತ್ತು. ಆದರೆ, ಈ ತಂತ್ರಜ್ಞಾನದಿಂದಾಗಿ ನಾವು ಧರಿಸುವ ವಾಚಿನಲ್ಲೇ ದೇಹದಲ್ಲಿನ ವ್ಯತ್ಯಾಸಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳಬಹುದು. ಇನ್ನೂ ಮುಂದುವರೆದ ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ದೇಹದಲ್ಲಿರುವ ಈ ಕಾಯಿಲೆಗಳು ಯಾವ ಪ್ರಮಾಣದಲ್ಲಿವೆ, ಅದಕ್ಕೆ ಯಾವ ಪ್ರಮಾಣದ ಔಷಧಿಯನ್ನು ಇಂಜೆಕ್ಟ್ ಮಾಡಬೇಕು ಎನ್ನುವುದನ್ನು ನಿರ್ಧಾರ ಮಾಡಿ ತಿಳಿಸುತ್ತವೆ. ಇದರಿಂದ ವೈದ್ಯಕೀಯ ಲೋಕದಲ್ಲಿ ಸಾಕಷ್ಟು ಸಾಕಷ್ಟು ಅನುಕೂಲಗಳಾಗಿದ್ದು, ಈಗಾಗಲೇ ಸಾಕಷ್ಟು ಜನರು ಈ ತಂತ್ರಜ್ಞಾನದ

ಪ್ರಯೋಜನವನ್ನು ಪಡೆಯುತ್ತಿದ್ದಾರೆ. ಆದರೆ, ಈ ಬಗ್ಗೆ ಸಂಬಂಧಪಟ್ಟ ಇಲಾಖೆಗಳು ಹಾಗೂ ಸಂಸ್ಥೆಗಳು ಹೆಚ್ಚು ಪ್ರಚಾರ ಮಾಡಿದರೆ, ಇದು ಸಾಮಾನ್ಯ ಜನರಿಗೂ ತಲುಪಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ ಎಂದು ಆಶಿಸಿದರು.

ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದ ಡಾ.ಶ್ರೀನಿವಾಸ್ ಮಾತನಾಡಿ, ತಂತ್ರಜ್ಞಾನಗಳು ಜನಸ್ನೇಹಿ ಆಗಿರಬೇಕು. ಆವಿಷ್ಕಾರಗೊಳ್ಳುವ ತಂತ್ರಜ್ಞಾನಗಳು ಜನರ ಕೈಗೆ ಸಿಗುವಂತಿರಬೇಕು. ಆಗಮಾತ್ರವೇ ಆ ತಂತ್ರಜ್ಞಾನ ಆವಿಷ್ಕಾರಗೊಂಡಿದ್ದಕ್ಕೂ ಸಾರ್ಥಕವಾಗುತ್ತದೆ. ಕೆಲ ಮುಂದುವರೆದ ರಾಷ್ಟ್ರಗಳಲ್ಲಿ ನ್ಯಾನೋ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಸಿಕೊಂಡು ಧರಿಸಬಹುದಾದ ವಸ್ತುಗಳಲ್ಲಿ ಈ ತಂತ್ರಜ್ಞಾನವನ್ನು ಅಳವಡಿಸಿ ಹಲವು ರೋಗಗಳನ್ನು ಪತ್ತೆ ಮಾಡಿದರೆ, ಇನ್ನೂ ಕೆಲವು ರೋಗಗಳಿಗೆ ಆ ಮೂಲಕವೇ ಚಿಕಿತ್ಸೆ ಕೊಡುತ್ತಿದ್ದಾರೆ. ಆದರೆ, ನಮ್ಮದು ಅಭಿವೃದ್ಧಿ ಆಗುತ್ತಿರುವ ರಾಷ್ಟ್ರ. ಇಲ್ಲಿ ಸಂಶೋಧನೆಯಾಗುವ ಎಷ್ಟೋ ತಂತ್ರಜ್ಞಾನಗಳು ಸಾಮಾನ್ಯ ಜನರಿಗೆ ತಲುಪುವುದೇ ಇಲ್ಲ. ಹಾಗಾಗಿ ಇಂದಿಗೂ ಕೂಡ ಜನರು ಹಳೆಯ ವೈದ್ಯಕೀಯ ಪದ್ಧತಿಗಳಿಗೆ ಅವಲಂಬಿತರಾಗುವಂತಾಗಿದೆ ಎಂದು ಪೇದ ವ್ಯಕ್ತಪಡಿಸಿದರು.

ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ವಕೀಲ ವೈಭವ್ ಮೌಸಾಂ ಸೇರಿದಂತೆ ಇನ್ನಿತರೆ ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಗಳಿದ್ದರು. ವಿಶ್ವನಾಥ್ ವಂದನಾರ್ಪಣೆ ಮಾಡಿದರು.



ಕಾರ್ಯಾಗಾರವನ್ನು ಉದ್ಘಾಟಿಸುತ್ತಿರುವುದು.

- Keynote address on “Biosensors for IOT Applications” on 21<sup>st</sup> July. 2017, at the International Conference on Internet of Things for Future Smart Cities (ICIOTSC-2017), Organized by Geethanjali Institute of Science and Technology, Nellore District, Andra Pradesh.



- Photonic Bandgap Crystals on 22<sup>nd</sup> July. 2017, Workshop on Nanotechnology, Organized by: Geethanjali Institute of Science and Technology, Nellore District, Andra Pradesh.





- Surface Plasmon Resonance on 22<sup>nd</sup> July. 2017, Workshop on Nanotechnology Organized by: Geethanjali Institute of Science and Technology, Nellore District, Andra Pradesh.



- High-Speed Optical Networks on 22<sup>nd</sup> July. 2017, Workshop on Nanotechnology, Organized by: Geethanjali Institute of Science and Technology, Nellore District, Andra Pradesh.



- Quantum Computing on 22<sup>nd</sup> July 2017, Workshop on Nanotechnology, Organized by: Geethanjali Institute of Science and Technology, Nellore District, Andra Pradesh.



- Keynote address on “Nano-Bio Sensors” on 14th December 2017, at the International Conference on Recent Advancements in Information Technology, Science and Engineering (ICRAITSE-2017), Organized by APC Mahalaxmi College for Women, Tuticorin, Tamilnadu, India
- Optical Computing on 15<sup>th</sup> February. 2018, Workshop on Nano-Photonics, Organized by: Balaji





Institute of Technology and Science, Narsampet, Warangal, India.

- High-Speed Optical Networks on 15<sup>th</sup> February. 2018, Workshop on Nano-Photonics, Organized by: Balaji Institute of Technology and Science, Narsampet, Warangal, India.



- Medical Application of LASER on 15<sup>th</sup> February. 2018, Workshop on Nano-Photonics, Organized by: Balaji Institute of Technology and Science, Narsampet, Warangal, India.



## ಭಾರತೀಯ ಸಂಶೋಧಕರಿಗೆ ಸಿಗದ ಸೂಕ್ತ ವೇದಿಕೆ



ಅಂತಾರಾಷ್ಟ್ರೀಯ ಕಾರ್ಯಾಗಾರವನ್ನು ಉದ್ಘಾಟಿಸುತ್ತಿರುವ ಮಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಧ್ಯಾಪಕ ಶ್ರೀಕಾಂತ್ ಹಾಗೂ ಮತ್ತಿತರರು.

ಸಂ.ಕ.ಸಮಾಚಾರ ಹಾಸನ

ಭಾರತದ ಅನೇಕ ಸಂಶೋಧಕರು ಸಾಕಷ್ಟು ಆವಿಷ್ಕಾರಗಳನ್ನು ಮಾಡಿದರೂ ಕೂಡ ಅದರ ಬಗ್ಗೆ ಜಾಗತಿಕ ಮಟ್ಟದಲ್ಲಿ ಪ್ರಚಾರ ಮಾಡಿಕೊಳ್ಳದ ಕಾರಣ ಆ ಸಂಶೋಧನೆಯ ಹಿರಿಮೆ ಬೇರೆ ದೇಶದವರ ಪಾಲಾಯಿತು ಎಂದು ನಗರದ ಮಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಧ್ಯಾಪಕ ಶ್ರೀಕಾಂತ್ ವಿಷಾದಿಸಿದರು.

ಅವರು ಇತ್ತೀಚೆಗೆ ನೆರೆಯ ಆಂಧ್ರಪ್ರದೇಶದ ವಾರಂಗಲ್‌ನ ಬಾಲಾಜಿ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ ಕಾಲೇಜಿನಲ್ಲಿ 'ಎಮರ್ಜಿಂಗ್ ಟ್ರೆಂಡ್ ಇನ್ ಸೈನ್ಸ್ ಅಂಡ್ ಟೆಕ್ನಾಲಜಿ' ವಿಷಯಾಧಾರಿತ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಮುಖ್ಯ ಅತಿಥಿಯಾಗಿ ಮಾತನಾಡುತ್ತಾ, ಭಾರತದ ಜಿ.ಸಿ.ಬೋಸ್ ವಿಶ್ವದಲ್ಲಿ ಮೊಟ್ಟ ಮೊದಲ ಬಾರಿಗೆ ಪ್ರನಾಳ ಶಿರು ಅಭಿವೃದ್ಧಿ ತಂತ್ರಜ್ಞಾನವನ್ನು ಕಂಡುಹಿಡಿದರು.

ಹಾಗೆಯೇ ಕೋಲಾರದ ನರಸಿಂಹಶಾಸ್ತ್ರಿ ವಿಮಾನ ಮಾದರಿಯನ್ನು ತಯಾರಿಸಿದರಾದರೂ ಅದರ ಕೀರ್ತಿ ಇವರಿಗೆ ಸಿಗಲೇ ಇಲ್ಲ. ಇದಕ್ಕೆ ಕಾರಣ ಇವರು ತಾವು ಸಂಶೋಧಿಸಿದ ಆವಿಷ್ಕಾರಗಳ ಬಗ್ಗೆ ಪ್ರಚಾರ ಮಾಡಿಕೊಳ್ಳದಿರುವುದು. ಅವರಿಗೆ ಇಂತಹ ವೇದಿಕೆಗಳು ಸಿಗದಿರುವುದು ಕೂಡ ಕಾರಣ. ಹಾಗಾಗಿ ಇವರ ಸಾಧನೆಗೆ ಸಿಗಬೇಕಾದ ಕೀರ್ತಿ ಇವರಿಗೆ ಸಿಗಲಿಲ್ಲ ಎಂದು ವಿಷಾದಿಸಿದರು.

ಅಧ್ಯಕ್ಷ ರಾಜೇಂದ್ರ ಪ್ರಸಾದ್ ಮಾತನಾಡಿದರು. ಹೈದರಾಬಾದ್‌ನ ಆರ್‌ಸಿಐ ವಿಜ್ಞಾನಿ ಡಾ.ವರಪ್ರಸಾದ್, ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಹರಿಹರನ್, ಡಾ.ಮಣಿಕಂಠನ್ ಹಾಗೂ ಇತರರಿದ್ದರು.

- Surface Plasmon Resonance on 15<sup>th</sup> February. 2018, Workshop on Nano-Photonics, Organized by: Balaji Institute of Technology and Science, Narsampet, Warangal, India
- Keynote address on “Photonic Bandgap Crystals “during 16<sup>th</sup> & 17<sup>th</sup> Feb, 2018, at International Conference on Emerging Trends in Engineering, Science, and Technologies (ICETEST-18)



Organized by Balaji Institute of Technology and Science, Narsampet, Warangal, India.



- Keynote address on “Photonic Bandgap Crystals” on 16<sup>th</sup> March 2018, at the International Conference on Applied Science Engineering and Technology (ICASET-2018), Organized by Sengunthar College of Engineering, Tirchengode, Tamilnadu, India.







- Medical Application of LASER on 17<sup>th</sup> March. 2018, Workshop on Nano Photonics, Organized by: Sengunthar College of Engineering, Tirchengode, Tamilnadu, India.





ಈ ದಾರಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಟ್ಟಿದೆ ಎಂದರು.  
ಸಭೆಯಲ್ಲಿ ಜಿಲ್ಲಾ ಆರೋಗ್ಯಾಧಿಕಾರಿಗಳಾದ ಡಾ. ವಿಜಯೇಂದ್ರ, ಆರ್.ಸಿ.ಎಲ್. ಅಧಿಕಾರಿಗಳಾದ ಡಾ. ಎಚ್. ಎಲ್. ಜನಾರ್ದನ್, ಮಹಿಳಾ ಮತ್ತು ಮಕ್ಕಳ ಅಭಿವೃದ್ಧಿ ಇಲಾಖೆ ಉಪನಿರ್ದೇಶಕರಾದ ಕೆ.ವೆಂಕಟಾಚಾರ್, ಆರೋಗ್ಯ ಇಲಾಖೆಯ ಕಾರ್ಯಕ್ರಮ ಅನುಷ್ಠಾನ ಅಧಿಕಾರಿಗಳು ಹಾಗೂ ಮತ್ತಿತರರು ಸಭೆಯಲ್ಲಿ ಭಾಗವಹಿಸಿದ್ದರು.



ವಿಚಾರ ಸಂಕಿರಣವನ್ನು ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ಉದ್ಘಾಟಿಸುತ್ತಿರುವುದು.

## ಕ್ವಾಂಟಂ ತಂತ್ರಜ್ಞಾನದಿಂದ ಹ್ಯಾಕಿಂಗ್ ತಡೆ

ಸಂ.ಕ.ಸಮಾಚಾರ ಹಾಸನ

ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಕ್ಷೇತ್ರದಲ್ಲಿ ಹ್ಯಾಕಿಂಗ್ ಎನ್ನುವುದು ದೊಡ್ಡ ತಲೆನೋವಾಗಿ ಪರಿಣಮಿಸಿದೆ. ಇದರಿಂದ ಪ್ರತ್ಯಕ್ಷ ಹಾಗೂ ಪರೋಕ್ಷವಾಗಿ ದೇಶಕ್ಕೆ ಸಾಕಷ್ಟು ನಷ್ಟವಾಗುತ್ತಿದೆ. ಹಾಗಾಗಿ ಇತ್ತೀಚೆಗೆ ಅಮೆಚ್ಯೂರವಾಗಿರುವ ಕ್ವಾಂಟಂ ತಂತ್ರಜ್ಞಾನವನ್ನು ಬಳಕೆ ಮಾಡುವುದರಿಂದ ಹ್ಯಾಕಿಂಗ್‌ನ್ನು ತಡೆಯಬಹುದು ಎಂದು ನಗರದ ಮಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಪಿ.ಸಿ.ಶ್ರೀಕಾಂತ್ ತಿಳಿಸಿದರು.

ಅವರು ಇತ್ತೀಚೆಗೆ ತಮಿಳುನಾಡಿನ ತಿರುಚಿನಗೋಡಿನ ಸೆಂಗುಂತೂರ್ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ನಡೆದ 4ನೇ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ವಿಚಾರ ಸಂಕಿರಣ ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡುತ್ತಾ, ಅಪ್ಪಿಕಲ್ ತಂತ್ರಜ್ಞಾನ ಬಂದ ನಂತರದಲ್ಲಿ ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ದತ್ತಾಂಶ(ಡಾಟಾ) ರವಾನೆ ಹಾಗೂ ಸಂಪರ್ಕ ಸಂವಹನ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಕ್ವಾಂಟಂಕಾರಕ ಬದಲಾವಣೆಗಳಾಗಿವೆ. ಅಪ್ಪಿಕಲ್ ಕೇಬಲ್‌ಗಳ ಅಳವಡಿಕೆಯಾದ ನಂತರ ಇಂಟರ್‌ನೆಟ್‌ಗಳ ವೇಗ ಹೆಚ್ಚಾಗಿದೆ. ಇದರಿಂದ ಬ್ಯಾಂಕಿಂಗ್, ರಕ್ಷಣಾ ಕ್ಷೇತ್ರ ಸೇರಿದಂತೆ ಸಾಕಷ್ಟು ಕಡೆಗಳಲ್ಲಿ ಸಾರ್ವಜನಿಕರಿಗೆ ಉತ್ತಮ ಸೇವೆ ನೀಡಲು ಸಾಧ್ಯವಾಗಿದೆ. ಇದರ ಬೆನ್ನಲ್ಲೇ ನಮ್ಮ ಶತ್ರು ರಾಷ್ಟ್ರಗಳಿರಬಹುದು ಅಥವಾ ಅಡ್ಡ ದಾರಿ ಹಿಡಿದವರು ಹ್ಯಾಕಿಂಗ್ ಮೂಲಕ ಅಪ್ಪಿಕಲ್ ಕೇಬಲ್‌ಗಳಲ್ಲಿ ವೈರಸ್‌ಗಳನ್ನು ಬಿಟ್ಟು ಕಂಪ್ಯೂಟರ್‌ಗಳಲ್ಲಿನ ರಕ್ಷಣಾ ವ್ಯವಸ್ಥೆಯನ್ನು ಹಾಳುಮಾಡಿ ಅದರಲ್ಲಿರುವ ಮಾಹಿತಿಯನ್ನೆಲ್ಲಾ ಕದಿಯುತ್ತಾರೆ. ಹೀಗೆ ಸಂಗ್ರಹಿಸಿದ ಮಾಹಿತಿಗಳನ್ನು ಬಳಸಿಕೊಂಡು ರಕ್ಷಣಾ ಕ್ಷೇತ್ರದಲ್ಲಿನ ಅಮೂಲ್ಯ ಗೌಪ್ಯ ಮಾಹಿತಿಗಳನ್ನು ಕದ್ದು ಅಹಿತಕರ ಕೃತ್ಯಗಳಿಗೆ ಬಳಸಲಾಗುತ್ತಿದೆ. ಹಾಗೆಯೇ ಬ್ಯಾಂಕಿಂಗ್ ಕ್ಷೇತ್ರದಲ್ಲಿಯೂ ಕೂಡ ಈ ಹ್ಯಾಕಿಂಗ್ ಸಮಸ್ಯೆಯಾಗಿ ಪರಿಣಮಿಸಿದ್ದು, ಜನರು ತಮ್ಮ ಮಾತಿಗಳಲ್ಲಿ ಕೂಡಿಟ್ಟ ಹಣವನ್ನೆಲ್ಲಾ ಲಪಟಾಯಿಸುತ್ತಿದ್ದಾರೆ. ಇದು ದೇಶ ಹಾಗೂ ಸಾಮಾನ್ಯ ಜನರಿಗೆ ಭಾರೀ ನಷ್ಟವಾಗುತ್ತದೆ ಎಂದರು.

ಹಾಗಾಗಿ ಅಪ್ಪಿಕಲ್ ಫೈಬರ್ ಕೇಬಲ್‌ಗಳಲ್ಲಿ ದತ್ತಾಂಶಗಳನ್ನು ರವಾನಿಸುವಾಗ ಹ್ಯಾಕಿಂಗ್ ಮಾಡುವ ಭಯವಿರುತ್ತದೆ. ಇಂತಹ ಸಂದರ್ಭದಲ್ಲಿ ಕ್ವಾಂಟಂ ತಂತ್ರಜ್ಞಾನ ಬಳಸುವುದರಿಂದ ಹ್ಯಾಕಿಂಗ್ ತಡೆಯಬಹುದು. ಈ ಕ್ವಾಂಟಂ ತಂತ್ರಜ್ಞಾನವು ಅಪ್ಪಿಕಲ್ ಫೈಬರ್ ಕೇಬಲ್‌ನಲ್ಲಿ ವೈರಸ್‌ಗಳು ಹರಡುವುದನ್ನು ತಡೆಯುವುದರ ಜೊತೆಗೆ ದತ್ತಾಂಶವನ್ನು ಹ್ಯಾಕರ್‌ಗಳು ಭೇದಿಸಲು ಸಾಧ್ಯವಾಗದಂತೆ ಸಂಕುಚಿತಗೊಳಿಸುತ್ತದೆ. ಇದರಿಂದ ಹ್ಯಾಕರ್‌ಗಳು ದತ್ತಾಂಶವನ್ನು ಹ್ಯಾಕ್ ಮಾಡಿದರೂ, ಅದನ್ನು ಡಿ ಕೋಡ್ ಮಾಡಲಾಗುವುದಿಲ್ಲ. ಇದರಿಂದ ಮಾಹಿತಿ ಸೋರಿಕೆಯಾಗುವುದಿಲ್ಲ. ಇಂತಹ ಕ್ವಾಂಟಂ ತಂತ್ರಜ್ಞಾನ ರಕ್ಷಣಾ ಕ್ಷೇತ್ರಕ್ಕೆ ಹೆಚ್ಚು ಅವಶ್ಯಕತೆ ಇದೆ ಎಂದರು.

ವಿಚಾರ ಸಂಕಿರಣದಲ್ಲಿ ಸೆಂಗುಂತೂರ್ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಅಧ್ಯಕ್ಷರಾದ ಟಿ.ಎಸ್.ಶಬರಾಜನ್, ಕಾರ್ಯದರ್ಶಿ ದಾಲದಂಡ ಪಾಣಿ, ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಸುಕೇಶ್‌ಕುಮಾರ್, ಬೆಂಗಳೂರಿನ ದಯಾನಂದ ಸಾಗರ್ ಯೂನಿವರ್ಸಿಟಿಯ ಡಾ.ವೈಭವ್ ಮೆಸ್ತಾಂ ಹಾಗೂ ಇತರರಿದ್ದರು.



- Optical Computing on 17<sup>th</sup> March. 2018, Workshop on Nano Photonics, Organized by: Sengunthar College of Engineering, Tirchengode, Tamilnadu, India.



- High-Speed Optical Networks on 17<sup>th</sup> March. 2018, Workshop on Nano Photonics, Organized by: Sengunthar College of Engineering, Tirchengode, Tamilnadu, India.



- Surface Plasmon Resonance on 17<sup>th</sup> March. 2018, Workshop on Nano Photonics, Organized by: Sengunthar College of Engineering, Tirchengode, Tamilnadu, India.



- Keynote address on “Photonic Bandgap Crystals” on 7<sup>th</sup> April 2018, at IDEEAS, organized by IEEE SIT Student Branch, Siddaganga Institute of Technology, Tumkur, India.



- Optical Communication on 7<sup>th</sup> September. 2018, Workshop on Nano Photonics, Organized by: Mahendra Engineering College, Salem, Tamilnadu, India.



- Quantum Communication on 7<sup>th</sup> September. 2018, Workshop on Nano Photonics, Organized by: Mahendra Engineering College, Salem, Tamilnadu, India.

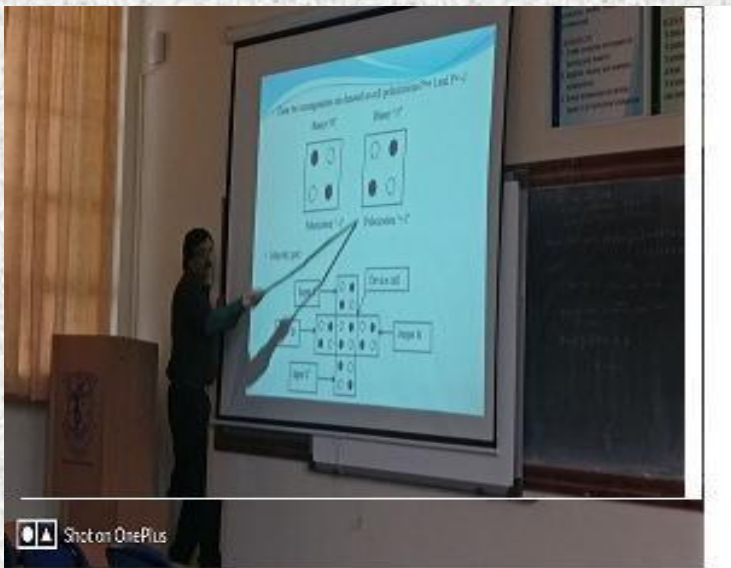


- Quantum Cellular Automata on 7<sup>th</sup> September. 2018, Workshop on Nano Photonics, Organized by: Mahendra Engineering College, Salem, Tamilnadu, India.
- Photonic Bandgap Crystals on 7<sup>th</sup> September. 2018, Workshop on Nano Photonics, Organized by: Mahendra Engineering College, Salem, Tamilnadu, India.
- Quantum Computing on 12<sup>th</sup> October, IEEE Day 2018, Organized by: IEEE MCE Student Branch, Malnad College of engineering, Hassan., Karnataka, India.



- LASERS on 12th October, IEEE Day 2018, Organized by: IEEE MCE Student Branch, Malnad College of engineering, Hassan. , Karnataka, India.
- Nano Photonics on 12th October, IEEE Day 2018, Organized by: IEEE MCE Student Branch, Malnad College of engineering, Hassan., Karnataka, India.
- Quantum Communication on 8th March. 2019, Workshop on Nano Photonics, Organized by: PG Center Hemangothri . University of Mysore, Hassan, India.
- Optical Networks on 12th October, IEEE Day 2018, Organized by: IEEE MCE Student Branch, Malnad College of engineering, Hassan., Karnataka, India.
- Keynote address on “Nano-Biosensors” on 29<sup>th</sup> November 2018, at International Conference on Emerging Trends on Engineering Science, Technology and Management (ICETESTM-2018), Organized by Aditya Institute of Technology and Management, Tekkali, Srikakulam, Andra Pradesh, India.





- Quantum Computing on 29<sup>th</sup> Nov. 2018, Workshop on Photonics, Organized by: Aditya Institute of Technology and Management, Tekkali, Srikakulam, Andra Pradesh, India.





- Quantum Communication on 29<sup>th</sup> Nov. 2018, Workshop on Photonics, Organized by: Aditya Institute of Technology and Management, Tekkali, Srikakulam, Andra Pradesh, India.



- Optical Fiber Communication on 29<sup>th</sup> Nov. 2018, Workshop on Photonics, Organized by: Aditya Institute of Technology and Management, Tekkali, Srikakulam, Andra Pradesh, India.
- Photonic Band Gap Crystals on 29<sup>th</sup> Nov. 2018, Workshop on Photonics, Organized by: Aditya Institute of Technology and Management, Tekkali, Srikakulam, Andra Pradesh, India.



- Medical Applications of LASER during 3<sup>rd</sup> and 8<sup>th</sup> December. 2018, FDP on Recent Advances in Photonics was conducted by the Instrumentation Dept., Jorhat College of Engineering, Jorhat, Assam.

- Survivability Issues in Optical Networks during 3<sup>rd</sup> and 8<sup>th</sup> December. 2018, FDP on Recent Advances in Photonics was conducted by the Instrumentation Dept., Jorhat College of Engineering, Jorhat, Assam.



- Nano Sensors during 3<sup>rd</sup> and 8<sup>th</sup> December. 2018, FDP on Recent Advances in Photonics was conducted by the Instrumentation Dept., Jorhat College of Engineering, Jorhat, Assam.
- Quantum Cellular Automata during 3<sup>rd</sup> and 8<sup>th</sup> December. 2018, FDP on Recent Advances in Photonics was conducted by the Instrumentation Dept., Jorhat College of Engineering, Jorhat, Assam.
- Quantum Communication during 3<sup>rd</sup> and 8<sup>th</sup> December. 2018, FDP on Recent Advances in Photonics conducted by Instrumentation Dept., Jorhat College of Engineering, Jorhat, Assam.
- Quantum Communication on 8th March. 2019, Workshop on Nano Photonics, Organized by: PG Center Hemangothri . University of Mysore, Hassan, India.
- Quantum Computing on 8th March. 2019, Workshop on Nano Photonics, Organized by: PG Center Hemangothri . University of Mysore, Hassan, India.
- Nano Photonic Sensors on 8th March. 2019, Workshop on Nano Photonics, Organized by: PG Center Hemangothri . University of Mysore, Hassan, India.
- Optical Fiber Communication on 8th March. 2019, Workshop on Nano Photonics, Organized by: PG Center Hemangothri . University of Mysore, Hassan, India.
- Survivable Optical Networks 8th March. 2019, Workshop on Nano Photonics, Organized by: PG Center



Hemagangothri . University of Mysore, Hassan, India.

- Keynote address on “Nano-Biosensors” on 4th April, 2019, at International Conference on Green Technologies for Power Generation Communication & Instrumentation (ICGPC' 19), Organized by St. Peters Institute of Higher Education & Research , Avadi ,Chennai, India.
- Medical Applications of LASER during 8th and 12th July. 2019, FDP on Recent Advances in Communication and Photonics conducted by E&C Dept., Veer Bahadur Singh Purvanchal University(Uma Nath Singh Institute of Engineering and Technology). Jaunpur , Uttar Pradesh.
- Survivable Optical Networks during 8<sup>th</sup> and 12<sup>th</sup> July. 2019, FDP on Recent Advances in Communication and Photonics conducted by E&C Dept., Veer Bahadur Singh Purvanchal University(Uma Nath Singh Institute of Engineering and Technology). Jaunpur, Uttar Pradesh.
- Quantum Communication during 8th and 12th July. 2019, FDP on Recent Advances in Communication and Photonics was conducted by the E&C Dept., Veer Bahadur Singh Purvanchal University(Uma Nath Singh Institute of Engineering and Technology). Jaunpur, Uttar Pradesh.
- Photonic Sensors during 8th and 12th July. 2019, FDP on Recent Advances in Communication and Photonics conducted by E&C Dept., Veer Bahadur Singh Purvanchal University (Uma Nath Singh



Institute of Engineering and Technology). Jaunpur, Uttar Pradesh.

- Quantum cellular automata during 8th and 12th July. 2019, FDP on Recent Advances in Communication and Photonics conducted by E&C Dept., Veer Bahadur Singh Purvanchal University(Uma Nath Singh Institute of Engineering and Technology), Jaunpur , Uttar Pradesh.









ಕಾನ್ಸರ್ ನಿವಾರಣೆ, ವೈರಾಣು ಪತ್ತೆಗೆ ನ್ಯಾನೋ ಫೋಟಾನಿಕ್ಸ್ ತಂತ್ರಜ್ಞಾನದ ಪಾತ್ರ ಮಹತ್ವದ್ದು

ಹಾಸನ, ಮಾರ್ಚ್ 20: ನ್ಯಾನೋ ಫೋಟಾನಿಕ್ಸ್ ತಂತ್ರಜ್ಞಾನದಿಂದ ವೈರಾಣು, ಬ್ಯಾಕ್ಟೀರಿಯಾಗಳ ಅತೀ ಶೀಘ್ರದಲ್ಲಿ ಪತ್ತೆ ಹಚ್ಚಬಹುದಲ್ಲದೆ ಸಂಶೋಧನೆ ಸಮಸ್ಯೆಗಳೊಳಗಿನ ಸಹಕಾರಿಯಾಗಲಿದೆ ಎಂದು ಹಾಸನ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯುನಿಕೇಷನ್ ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಪಿ.ಸಿ. ಶ್ರೀಕಾಂತ್ ತಿಳಿಸಿದರು. ಉತ್ತರ ಪ್ರದೇಶದ ವಾರಣಾಸಿಯ ಪೂರ್ವಾಂಚಲ ವಿಶ್ವವಿದ್ಯಾಲಯದಲ್ಲಿ ಇತ್ತೀಚೆಗೆ ನಡೆದ ವಿಶೇಷ ಕಮ್ಯುನಿಕೇಷನ್ ಮತ್ತು ಕಂಪ್ಯೂಟರ್ ಸೈನ್ಸ್ ಇಂಜಿನಿಯರಿಂಗ್‌ನಲ್ಲಿ ಇತ್ತೀಚಿನ ಬೆಳವಣಿಗೆ ಕುರಿತು ನ್ಯಾನೋ

ಫೋಟಾನಿಕ್ಸ್ ತಂತ್ರಜ್ಞಾನದ ಪಾತ್ರದ ಬಗ್ಗೆ ಉಪನ್ಯಾಸ ನೀಡುತ್ತ ಆರೋಗ್ಯ ಕ್ಷೇತ್ರದಲ್ಲಿ ಕ್ವಾನ್ಟಮ್ ಮೊದಲ ಹಂತದಲ್ಲೇ ಪತ್ತೆ ಹಚ್ಚಿ ಗುರುತಿಸುವ ತಂತ್ರಜ್ಞಾನ ಮುಂದುವರೆದಿದೆ ಎಂದವರು ವಿವರಿಸಿದರು. ಚಂದೀಗಢದ ಜಿ ಪಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಡಾ. ದೇವೇಂದ್ರ ಮೋಹನ್ ಸಮ್ಮೇಳನದ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಕಾಲೇಜು ಆಡಳಿತ ಮಂಡಳಿ ಅಧ್ಯಕ್ಷ ಡಾ. ಅಜಯ್ ಶಂಕರ್ ಮತ್ತಿತರರು ಭಾಗವಹಿಸಿದ್ದರು.

(1ನೇ ಪುಟದಿಂದ....)

- Quantum cellular automata on 26<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted



by V O Chidambaram College, Thoothukudi, Tamil Nadu, India.

- Surface Plasmon Resonance Sensors on 26<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted by V O Chidambaram College, Thoothukudi, Tamil Nadu, India.
- Fiber Optic Communication on 26<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted



by V O Chidambaram College, Thoothukudi, Tamil Nadu, India.

- Quantum Communication on 26<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted by V O Chidambaram College, Thoothukudi, Tamil Nadu, India.

## ಕ್ವಾಂಟಮ್ ತಂತ್ರಜ್ಞಾನದಿಂದ ಕದಿಯುವಿಕೆ ಅಸಾಧ್ಯ: ಡಾ. ಶ್ರೀಕಾಂತ್



ಹಾಸನ, ಮಾ. 19: ಐನ್ ಸ್ಟೀನ್, ಪ್ರಾಡಿಂಚೆರ್ ಇವರು ಹಾಕಿಕೊಟ್ಟ ಅಡಿಪಾಯದ ಮೇಲೆ ಕ್ವಾಂಟಮ್ ತಂತ್ರಜ್ಞಾನವು ಬಹುಬೇಗ ವಿಕಾಸವಾಗಿತ್ತು. ಈ ತಂತ್ರಜ್ಞಾನ ಕದಿಯುವಿಕೆಯನ್ನು ಸಂಪೂರ್ಣವಾಗಿ ನಿಲ್ಲಿಸಬಹುದಾಗಿದೆ ಎಂದು ಹಾಸನ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಬಿನ್ ಗೋಲ್ಡನ್ ಮ್ಯಾಜಿಲಿ ಕಮ್ಯುನಿಕೇಷನ್ ವಿಭಾಗದ ಹಿರಿಯ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಪಿ.ಸಿ. ಶ್ರೀಕಾಂತ್ ಅಭಿಪ್ರಾಯಪಟ್ಟರು. ಅವರು ತಮಿಳುನಾಡಿನ ತೊಳುಕುಡಿಯಲ್ಲಿನ ವಿ.ಓ. ಚಿದಂಬರಂ ಫೌತಶಾಸ್ತ್ರ ವಿಭಾಗದ ಇಂಟರ್ ನಲ್ ಕ್ವಾಲಿಟಿ ಅಕ್ಸಲರೇಸ್ ಸೆಲ್ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಬಿನ್ ಗೋಲ್ಡನ್ ಮ್ಯಾಜಿಲಿ

ಹಾಲ್‌ನಲ್ಲಿ ಏರ್ಪಡಿಸಿದ್ದ ವಿಶೇಷ ಆಹ್ವಾನಿತ ಉಪನ್ಯಾಸ ಕಾರ್ಯಕ್ರಮದ ಸಂಪನ್ಮೂಲ ವೃತ್ತಿಯಾ/ಮಾತನಾಡಿ, ಸಾಮಾನ್ಯ ಫೌತಶಾಸ್ತ್ರದಲ್ಲಿ ಕೊಡಲಾಗದಿರ. ವೃದ್ಧನು ಕ್ವಾಂಟಮ್ ತಂತ್ರಜ್ಞಾನದಿಂದ ಮಾಡಬಹುದಾಗಿರುವುದು ವಿವರಿಸಿದರು. ಇಂದಿನ ವಿದ್ಯಮಾನಗಳಿಗೆ ಅನುಗುಣವಾಗಿ ಫೌತಶಾಸ್ತ್ರದಲ್ಲಿ ನ್ಯಾನೋ ಟೆಕ್ನಾಲಜಿ ಬಳಕೆಯಿಂದಾಗಿ ಹೊಸ ಹೊಸ ಅವಿಷ್ಕಾರದಲ್ಲು ನೆರವಾಗಿರುವುದು ನುಡಿದರು.

ವಿ.ಓ. ಕಾಲೇಜು ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಬಾಲಾಜಿ ಉಪನ್ಯಾಸ ಕಾರ್ಯಕ್ರಮದ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ವಿ.ಓ.ಯ ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಜಾನ್ ಪ್ರಿನ್ಸ್ ಮತ್ತು ಐಕನ ಸಂಯೋಜಕ ಡಾ. ರಾಧಿಕಾ ಮತ್ತಿತರರು ಕಾರ್ಯಕ್ರಮದ ಭಾಗವಹಿಸಿದ್ದರು.



- Nano-Photonic Sensors on 26<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted by V O Chidambaram College, Thoothukudi, Tamil Nadu, India
- Keynote address on “Photonic Sensors using PBG Devices” during 27-28 Feb 2020, at International Conference on Recent Trends in Multi-Disciplinary Research (ICRTMR-2020),
- A.P.C. Mahalaxmi College for Women, Thoothukudi, Tamil Nadu, India
- Quantum cellular automata on 28<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted by A.P.C. Mahalaxmi College for Women, Thoothukudi, Tamil Nadu, India
- Surface Plasmon Resonance Sensors on 28<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted by A.P.C. Mahalaxmi College for Women, Thoothukudi, Tamil Nadu, India
- Fiber Optic Communication on 28<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted



by A.P.C. Mahalaxmi College for Women, Thoothukudi, Tamil Nadu, India

- Quantum Communication on 28<sup>th</sup> Feb. 2020, Workshop on Recent Advances in Photonics conducted by A.P.C. Mahalaxmi College for Women, Thoothukudi, Tamil Nadu, India
- Quantum cellular automata on 13<sup>h</sup> March. 2020, Workshop on Recent Advances in Optical Engineering conducted by Chandigarh University, Mohali, Chandigarh, Punjab, India.
- Surface Plasmon Resonance Sensors on 13<sup>h</sup> March. 2020, Workshop on Recent Advances in Optical Engineering conducted by Chandigarh University, Mohali, Chandigarh, Punjab, India.
- Fiber Optic Communication on 13<sup>h</sup> March. 2020, Workshop on Recent Advances in Optical Engineering conducted by Chandigarh University, Mohali, Chandigarh, Punjab, India.



28-03-2020, ಭಾನುವಾರ

## ಕ್ರೋಢೀಕೃತ ಪ್ರಯತ್ನದಲ್ಲಿ ಉತ್ತಮ ಸಂಶೋಧನೆ ಸಾಧ್ಯ



ಹಾಸನ, ಮಾ. 28: ದೇಶದ ತಂತ್ರಜ್ಞಾನ ಅಭಿವೃದ್ಧಿಪಡಿಸುವಲ್ಲಿ ಹಾಗೂ ಸಂಶೋಧನೆಯಲ್ಲಿ ಮೆಕ್ಯಾನಿಕಲ್, ಸಿವಿಲ್ ಹಾಗೂ ಭೌತಶಾಸ್ತ್ರ ಸೇರಿದಂತೆ ಈ ಎಲ್ಲಾ ವಿಭಾಗಗಳು ಒಗ್ಗೂಡಿ ಕೆಲಸ ಮಾಡಿದ್ದಾದಲ್ಲಿ ಉತ್ತಮ ಸಂಶೋಧನೆ ಸಾಧ್ಯವಾಗಲಿದೆ ಎಂದು ಹಾಸನ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾ ವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯುನಿಕೇಷನ್ ಇಂಜಿನಿಯರಿಂಗ್‌ನ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಪಿ.ಸಿ. ಶ್ರೀಕಾಂತ್ ಅಭಿಪ್ರಾಯಪಟ್ಟಿದ್ದಾರೆ.

ಅವರು ತಮಿಳುನಾಡಿನ ತೂತುಕುಡಿ ತಿರುನಲ್ಲವೇರಿ ಎಂ.ಎಸ್. ಚೊಕ್ಕಲಿಂಗಂ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಎಪಿಸಿ ಮಹಾಲಕ್ಷ್ಮಿ ಕಾಲೇಜ್ ಫಾರ್ ವುಮೆನ್ ಇಲ್ಲಿ ಏರ್ಪಡಿಸಿದ್ದ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಸಮ್ಮೇಳನದಲ್ಲಿ ಮಲ್ಲಿ ಡಿಸಿಪ್ಲಿನರಿ ರೀಸರ್ಚ್‌ನಲ್ಲಿ ಪ್ರಚಲಿತ ಬೆಳವಣಿಗೆ (ರಿಸೆಂಟ್ ಟ್ರೆಂಡ್ಸ್ ಇನ್ ಮಲ್ಲಿ ಡಿಸಿಪ್ಲಿನರಿ ರೀಸರ್ಚ್) ವಿಷಯವಾಗಿ ಉಪನ್ಯಾಸ ನೀಡುತ್ತ. ಇಂದಿನ ಪೀಳಿಗೆಗೆ ಮತ್ತು ಅವರ ಅನುಕೂಲತೆಗಾಗಿ ನಿರಂತರ ಅಧ್ಯಯನ ಸಾಗಬೇಕೆಂದು ತಿಳಿಸಿದರು.

ಸಮಾವೇಶದಲ್ಲಿ ಎಪಿಸಿ ಮಹಾಲಕ್ಷ್ಮಿ ಕಾಲೇಜ್ ಫಾರ್ ವುಮೆನ್ ಇದರ ಅಧ್ಯಕ್ಷ ಚೊಕ್ಕಲಿಂಗಂ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಭಾರತ ಸರ್ಕಾರದ ಎಂಇಟಿ ನಿರ್ದೇಶಕ ಡಾ. ವಿ.ಎನ್. ಮಣಿ, ಎಂ.ಎಸ್. ವಿವಿಯ ವೈಸ್ ಚಾನ್ಸಲರ್ ಡಾ. ಕೆ. ಪಿಚ್ಚುಮಣಿ, ಯು.ಎಸ್.ಎ ಹವಾಯಿ ಕಿಂಗ್ಸ್ ವಿವಿ ಫೌಂಡರ್ ಪ್ರೆಸಿಡೆಂಟ್ ಡಾ. ಎಸ್. ಸೆಲ್ವಕುಮಾರ್, ನೈಜೇರಿಯಾ ವಿವಿಯ ಡಾ. ಇಬ್ರಾಹಿಂ, ಕಾಲೇಜು ಅಡಳಿತ ಮಂಡಳಿ ನಿರ್ದೇಶಕ ಡಾ. ಸತ್ಯಭಾಮ, ಪ್ರಾಂಶುಪಾಲ ಡಾ. ಮೀನಾ ಕುಮಾರಿ, ಭೌತಶಾಸ್ತ್ರ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥರಾದ ಡಾ. ಶಾಮಲಾ ಈ ಸಂದರ್ಭದಲ್ಲಿ ಹಾಜರಿದ್ದರು.

ಮೈಸೂರಿನಲ್ಲಿ ಐವರಿಗೆ ಕೊರೊನಾ ಪಾಸಿಟಿವ್ -

## ಅದ್ಭುತ ವೇಗ ಕಂಡ ಓಎಫ್‌ಸಿ: ಡಾ. ಶ್ರೀಕಾಂತ್

ಹಾಸನ, ಮಾ. 21: 1960 ರ ಸುಮಾರಿನಲ್ಲಿ ಮೊದಲ ಬಾರಿಗೆ ಓಎಫ್‌ಸಿ ತಂತ್ರಜ್ಞಾನ ಆಳವಡಿಕೆ ಸಂಬಂಧ ಚಾರ್ಲ್ಸ್ ಕಾಪೊ ಎಂಬ ವಿಜ್ಞಾನಿ ಪ್ರಥಮ ಬಾರಿಗೆ ಸಂಶೋಧನೆ ನಡೆಸಿದ್ದಕ್ಕಾಗಿ 2009ರಲ್ಲಿ ನೋಬೆಲ್ ಪ್ರಶಸ್ತಿ ಪಡೆದಿದ್ದಾಗಿ ಹಾಸನದ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾ ವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಕಮ್ಯುನಿಕೇಷನ್ ವಿಭಾಗದ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಪಿ.ಸಿ. ಶ್ರೀಕಾಂತ್ ಹೇಳಿದ್ದಾರೆ.

ಅವರು ಪಂಜಾಬ್‌ನ ಮೊಹಾಲಿಯ ಚಂದೀಗಢ್ ವಿಶ್ವ ವಿದ್ಯಾಲಯದಲ್ಲಿ ಸೊಸೈಟಿ ಆಫ್



ವಿದ್ಯುತ್ ಇಂಜಿನಿಯರ್ಸ್ ಇತ್ತೀಚೆಗೆ ಆಯೋಜಿಸಿದ್ದ ವೈಸ್ಪೀಡ್ ಅಪ್ಲಿಕಲ್ ಫೈಬರ್ ನೆಟ್‌ವರ್ಕ್ (ಓಎಫ್‌ಸಿ) ಕುರಿತಾದ ಒಂದು ದಿನದ ಆಯ್ಕಾತ ಅತಿಥಿ ಉಪನ್ಯಾಸ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಸಂಶೋಧನೆಗೆ ಡಾ. ಕಪಾನಿ ಪ್ರೇರಿತ ರಾಗಿದ್ದರು ಎಂಬುದನ್ನು ಅಂದೇ

ಸ್ಥರಿಸಿದ್ದಾಗಿ ಶ್ರೀಕಾಂತ್ ವಿವರಿಸಿದರು. ಮೊದಮೊದಲಿಗೆ ಕೇವಲ 1 ಎಂಬಿಪಿಎಸ್ ಇದ್ದ ವೇಗ ಇಂದಿನ ದಿನಗಳಲ್ಲಿ 50 ರಿಂದ 100 ಜಿಬಿಪಿಎಸ್ ನಷ್ಟು ಅಗಾಧ ಪ್ರಮಾಣದಲ್ಲಿ ಓಎಫ್‌ಸಿ ಅಭಿವೃದ್ಧಿ ಕಂಡಿದೆ ಎಂದು ಹೆಮ್ಮೆಪಟ್ಟರು.

ಮೊಹಾಲಿಯ ಚಂದೀಗಢ್ ವಿಶ್ವ ವಿದ್ಯಾಲಯದ ಮುಖ್ಯಸ್ಥರಾದ ಡಾ. ಇಂದ್ರಪ್ರೀತ್ ಕೌರ್ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥರಾದ ಡಾ. ಧೀರೇಂದ್ರ ಸಿಂಗ್, ಕಂಪ್ಯೂಟರ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ. ಹರಿಚರಣ್ ಸಿಂಗ್ ಇತರರು ಹಾಜರಿದ್ದರು.

- Quantum Communication on 13<sup>th</sup> March. 2020, Workshop on Recent Advances in Optical Engineering conducted by Chandigarh University, Mohali, Chandigarh, Punjab, India.
- Nano-Photonic Sensors on 13<sup>th</sup> March. 2020, Workshop on Recent Advances in Optical Engineering conducted by Chandigarh University, Mohali, Chandigarh, Punjab, India.



- Photonic Bio-Sensors on 21<sup>st</sup> June. 2020, Five days International Webinar Series on Applications of Ayurveda, Medicine, and Technology to Combat COVID-19 Organized by Government First Grade College, Vijayanagar, Department of Collegiate Education, Government of Karnataka, Bangalore.
- Survivable Optical Networks on 1<sup>st</sup> July. 2020, Three days online FDP on Recent Trends in Photonics, Organized by Dayanand Sagar University Bangalore.
- Free-space Optical Communication (FSO) on 9<sup>th</sup> September 2020, a One-week Faculty Development Programme on Recent Advances in Photonics and Technology. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, held during 7<sup>th</sup> and 11<sup>th</sup> September 2020 at Vidyavardhaka College of Engineering organized by Dept. of E&C, VVCE, Mysore, India.
- Optical Fiber Communication on 9<sup>th</sup> September 2020, One-week Faculty Development Programme on Recent Advances in Photonics, Technology. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, held during 7<sup>th</sup> and 11<sup>th</sup> September 2020 at Vidyavardhaka College of Engineering organized by Dept. of E&C, VVCE, Mysore, India.
- Survivable Optical Networks on 9<sup>th</sup> September 2020, One-week Faculty Development Programme on Recent Advances in Photonics, Technology. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, held during 7<sup>th</sup> and 11<sup>th</sup> September 2020 at Vidyavardhaka College of Engineering organized by Dept. of E&C, VVCE, Mysore, India.
- Nano Photonics Sensors on 9<sup>th</sup> September 2020, One-week Faculty Development Programme on Recent Advances in Photonics, Technology. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, held during 7<sup>th</sup> and 11<sup>th</sup> September 2020 at Vidyavardhaka College of Engineering organized by Dept. of E&C, VVCE, Mysore, India.
- Photonics Sensors on 3<sup>rd</sup> November 2020, One-week Faculty Development Programme on Recent Advances in Photonics and Communication, sponsored by AICTE Training and Learning Program (ATAL), held during 2<sup>nd</sup> and 6<sup>th</sup> November 2020 at Guru Jambheshwar University of Science and Technology organized by Dept. of Physics, Hisar, Haryana, India.
- Green Photonics on 15<sup>th</sup> December 2020, Two-week Short Term Training Programme(STTP) on Creating the smart and green society through the advanced technology of green energy, sponsored by

AICTE Training and Learning Program(ATAL), held during 10<sup>th</sup> and 22<sup>nd</sup> December 2020 at Malnad College of Engineering organized by Dept. of Mechanical Engineering, MCE, Hassan, India.

- Keynote address on “Nano Photonic Sensors” during 3<sup>rd</sup> & 4<sup>th</sup> May 2021, at National Conference Recent Trends In Engineering (NCRTE-2021), Organized by Dayanand Sagar University, School of Engineering, Bangalore , India.
- Survivable Optical Networks on 10<sup>th</sup> June. 2021, International Webinar on Advances in Communication – Research Perspective Organized Indian Institute of Science, Bangalore.
- Quantum Concepts and Applications during 14<sup>th</sup> & 19<sup>th</sup> June 2021, FDP on Recent Trends in Photonics, Organized by Dept. of ECE, Oxford College Engineering, Bangalore, India.
- Keynote address on “Quantum Concepts and Application” on 26<sup>th</sup> & 27<sup>th</sup> August. 2021, at the International Conference on Science, Engineering and Management (ICSEM-2021), Organized by the Faculty of Psychology, University of Pancasila, Indonesia.
- Quantum Concepts and Applications during 15<sup>th</sup> & 19<sup>th</sup> November 2021, FDP on Photonics Organized by Dept. of Physics, Global Academy of Technology, Bangalore, India.
- Photonic Sensors on 1<sup>st</sup> January. 2021, Webinar on Photonic Sensors Organized by the Department of Electronics and Communication Engineering, Malnad College of Engineering, Hassan, Karnataka, India sponsored by the IEEE MCE Student branch and IEEE MCE Joint Photonic and Comsoc Chapter
- Quantum Communications, three days “Hands-on Training on Quantum Concepts and Applications” held on 11<sup>th</sup> and 13<sup>th</sup> January 2021, Sponsored by IEEE MCE Student Branch, MCE, Hassan.
- Keynote address on “Nano Photonic Sensors” on 3<sup>rd</sup> & 4<sup>th</sup> May 2021, at National Conference Recent Trends in Engineering (NCRTE-2021), Organized by Dayanand Sagar University, School of Engineering, Bangalore, India.
- Survivable Optical Networks on 10<sup>th</sup> June. 2021, International Webinar on Advances in Communication – Research Perspective Organized Indian Institute of Science, Bangalore.
- Quantum Concepts and Applications during 14<sup>th</sup> & 19<sup>th</sup> June 2021, FDP on Recent Trends in



Photonics, Organized by Dept. of ECE, Oxford College Engineering, Bangalore, India.

- Keynote address on “Quantum Concepts and Application” on 26<sup>th</sup> & 27<sup>th</sup> August. 2021, at the International Conference on Science, Engineering and Management (ICSEM-2021), Organized by the Faculty of Psychology, University of Pancasila, Indonesia.
- Quantum Concepts and Applications during 15<sup>th</sup> & 19<sup>th</sup> November 2021, FDP on Photonics, Organized by Dept. of Physics, Global Academy of Technology, Bangalore, India.
- Quantum Concepts and its Applications on 30<sup>th</sup> November 2021, One-week Faculty Development Programme on Quantum and Photonics, sponsored by AICTE Training and Learning Program (ATAL), held during 29<sup>th</sup> November and 3<sup>rd</sup> December 2021 at Malnad College of Engineering organized by Dept. of E&C, Hassan, Karnataka, India.
- Quantum Concepts and Applications during 3<sup>rd</sup> & 5<sup>th</sup> March 2022, “3 Days Workshop on Advances in Photonics, Quantum and Nanotechnology” " organized by Dept. of ECE, in association with IEEE Photonics Society Bangalore chapter, Presidency University, Bangalore, India.
- Quantum Machine Learning, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 28<sup>th</sup> May 2022 at E&C Department, Malnad College of Engineering Hassan.
- Medical application of LASER, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised



**MALNAD COLLEGE OF ENGINEERING, HASSAN**  
(An Autonomous Institute under Visvesvaraya Technological University, Belagavi, Karnataka)

**IEEE MCE JOINT PHOTONICS AND COMSOC CHAPTER**  
In association with  
IEEE Bangalore section, IEEE Photonics Bangalore Chapter and  
IEEE Prakash Bharati

**PRESENTS**

**ONE DAY SYMPOSIUM ON  
PHOTONICS AND QUANTUM CONCEPTS**  
by

**DR P C SRIKANTH**  
HOD, Dept of ECE  
Branch Counsellor, IEEE MCE Student Branch

**SATURDAY  
28 MAY 2022** → **9:30 AM IST**

→ **ECE SEMINAR HALL**

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Gagan Gowda K R 843185115  
Pradyumna M 9110475995



by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 28th May 2022 at E&C Department, Malnad College of Engineering Hassan.

- Photonic Bandgap Sensors, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 28th May 2022 at E&C Department, Malnad College of Engineering Hassan.
- Surface Plasmon Resonance Sensors, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 28th May 2022 at E&C Department, Malnad College of Engineering Hassan.
- Optical Networks, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C



Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 28th May 2022 at E&C Department, Malnad College of Engineering Hassan.

- Quantum Dots, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 28th May 2022 at E&C Department, Malnad College of Engineering Hassan.



- Photonic Bandgap Crystal Sensors, One-day Symposium on Recent Trends on Photonics Organized by E&C Department, Government Engineering College, K R Pet, Mandya, Karnataka on 27th June 2022.
- Surface Plasmon Resonance Sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, K R Pet, Mandya, Karnataka on 27th June 2022.
- FBG Sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, K R Pet, Mandya, Karnataka on 27th June 2022.
- Optical Fiber Communication, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, K R Pet, Mandya, Karnataka on 27th June 2022.
- Quantum Cellular Automata, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, K R Pet, Mandya, Karnataka on 27th June 2022.



- Photonic Bandgap Crystal Sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, Hassan, Karnataka on 16th July 2022 (On the occasion of the inauguration of E&C students association).



- Photonic Bandgap Crystal Sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, Hassan, Karnataka on 16<sup>th</sup> July 2022(On the occasion of the inauguration of E& C students association).
- Quantum Concepts and its Applications, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, Hassan, Karnataka on 16<sup>th</sup> July 2022(On the occasion of inauguration of E& C students association).
- Quantum Machine Learning, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 20<sup>th</sup> December 2022 at E&C Department, Malnad College of Engineering Hassan.
- Medical application of LASER, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 20<sup>th</sup> December 2022 at E&C Department, Malnad College of Engineering Hassan.





- Photonic Bandgap Sensors, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 20<sup>th</sup> December 2022 at E&C Department, Malnad College of Engineering Hassan.
- Surface Plasmon Resonance Sensors, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 20<sup>th</sup> December 2022 at E&C Department, Malnad College of Engineering Hassan.
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- Quantum Dots, One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 20<sup>th</sup> December 2022 at E&C Department, Malnad College of Engineering Hassan.

- Optical Networks, Hands on Workshop on Photonics and Quantum Mechanics, technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 19<sup>th</sup> June 2023 at E&C Department, Malnad College of Engineering Hassan.
- Quantum Dots, Hands on Workshop on Photonics and Quantum Mechanics, technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 19<sup>th</sup> June 2023 at E&C Department, Malnad College of Engineering Hassan.
- Photonic Bandgap Crystal Sensors, Hands on Workshop on Photonics and Quantum Mechanics, technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 19<sup>th</sup> June 2023 at E&C Department, Malnad College of Engineering Hassan.
- Quantum Concepts and its Applications, Hands on Workshop on Photonics and Quantum Mechanics, technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 19<sup>th</sup> June 2023 at E&C Department, Malnad College of Engineering Hassan.
- Surface Plasmon Resonance Sensors, Hands on Workshop on Photonics and Quantum Mechanics, technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE



Student Branch held on 19<sup>th</sup> June 2023 at E&C Department, Malnad College of Engineering Hassan.



- Optical Fiber Communication, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department in association with IEEE SIT Student Branch, Siddaganga Institute of Technology, Tumkur, India on 24<sup>th</sup> June 2023.
- Photonic Bandgap Crystal Sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department in association with IEEE SIT Student Branch, Siddaganga Institute of Technology, Tumkur, India on 24<sup>th</sup> June 2023.
- Surface Plasmon sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department in association with IEEE SIT Student Branch, Siddaganga Institute of Technology, Tumkur, India on 24<sup>th</sup> June 2023.



- Lasers and its Applications, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department in association with IEEE SIT Student Branch, Siddaganga Institute of Technology, Tumkur, India on 24<sup>th</sup> June 2023.
- Quantum Concepts and its Applications, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department in association with IEEE SIT Student Branch, Siddaganga Institute of Technology, Tumkur, India on 24<sup>th</sup> June 2023.



- Keynote on Nano Technology, invited by global Congress on Materials Science and Nanotechnology (GCMSN) from August 03-05, 2023, in London, UK.
- Distinguished Speaker (Topic High-performance 2D photonics MOEMS pressure sensors) invited for the most prestigious event “3rd Global Conference on Advanced Nanotechnology and Nanomaterials” on September 13-14, 2023, at Berlin, Germany (Invited).
- Talk on Science History, One-day Symposium on Science and Technology, Conducted by Government High School, Hanyalu, Arkalgud Taluk, Hassan. On 27th September 2023.





- Talk on Achievements of Indian Scientists, One-day Symposium on Science and Technology, Conducted by Government High School, Hanyalu, Arkalgud Taluk, Hassan. On 27th September 2023.
- Talk on Research on Photonics, One-day Symposium on Science and Technology, Conducted by Government High School, Hanyalu, Arkalgud Taluk, Hassan. On 27th September 2023.
- Photonic Bandgap Crystal Sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, Hassan, Karnataka on 23rd December 2023.
- Surface Plasmon Resonance Sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, Hassan, Karnataka on 23rd December 2023.



- FBG Sensors, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, Hassan, Karnataka on 23rd December 2023.
- Optical Fiber Communication, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, Hassan, Karnataka on 23rd December 2023.



- Quantum Cellular Automata, One-day Symposium on Recent Trends on Photonics, Organized by E&C Department, Government Engineering College, Hassan, Karnataka on 23rd December 2023.
- Quantum Concepts and its Applications, One-day Hands on Workshop on Photonics and Quantum Concepts, Organized by E&C Department in association with IEEE CIT Student Branch, Channa Basaveshwara Institute of Technology, Gubbi, Tumkur, India on 23rd February 2024.





- Surface Plasmon Resonance Sensors, One-day Hands on Workshop on Photonics and Quantum Concepts, Organized by E&C Department in association with IEEE CIT Student Branch, Channa Basaveshwara Institute of Technology, Gubbi, Tumkur, India on 23rd February 2024.
- Photonic Bandgap Sensors, One-day Hands on Workshop on Photonics and Quantum Concepts, Organized by E&C Department in association with IEEE CIT Student Branch, Channa Basaveshwara Institute of Technology, Gubbi, Tumkur, India on 23rd February 2024.
- Optical Networks, One-day Hands on Workshop on Photonics and Quantum Concepts, Organized by E&C Department in association with IEEE CIT Student Branch, Channa Basaveshwara Institute of Technology, Gubbi, Tumkur, India on 23rd February 2024.
- Quantum Dots, One-day Hands on Workshop on Photonics and Quantum Concepts, Organized by E&C Department in association with IEEE CIT Student Branch, Channa Basaveshwara Institute of Technology, Gubbi, Tumkur, India on 23rd February 2024.

- Quantum Dots, One-day Hands on Workshop on Recent Developments in Photonics, Organized by E&C Department in association with IEEE AIT Student Branch, Atria Institute of Technology, Bangalore, India on 28th February 2024.



- Optical Networks, One-day Hands on Workshop on Recent Developments in Photonics, Organized by E&C Department in association with IEEE AIT Student Branch, Atria Institute of Technology, Bangalore, India on 28th February 2024.
- Photonic Bandgap Sensors, One-day Hands on Workshop on Recent Developments in Photonics, Organized by E&C Department in association with IEEE AIT Student Branch, Atria Institute of Technology, Bangalore, India on 28th February 2024.
- Surface Plasmon Resonance Sensors, One-day Hands on Workshop on Recent Developments in Photonics, Organized by E&C Department in association with IEEE AIT Student Branch, Atria Institute of Technology, Bangalore, India on 28th February 2024.
- Quantum Concepts and its Applications, One-day Hands on Workshop on Recent Developments in Photonics, Organized by E&C Department in association with IEEE AIT Student Branch, Atria Institute of Technology, Bangalore, India on 28th February 2024.



- Quantum Communication, on 28th September 2024, Technical Symposium on Quantum Concepts and its Applications, Organized by: Dept. of E&C, Navkis College of Engineering, Hassan, Karnataka, India.
- Quantum Deep Learning, on 28th September 2024, Technical Symposium on Quantum Concepts and its Applications, Organized by: Dept. of E&C, Navkis College of Engineering, Hassan, Karnataka, India.



- Transfer Learning in Hybrid Classical-Quantum Variational Classifier to Predict Covid-19 Using Chest CT Scan Images, XLVII Symposium of the Optical Society of India International Conference on Advances in Optics and Photonics Instrumentation (OPTOIn-2024) , Organized and hosted CSIR-CSIO is a constituent unit of the Council of Scientific and Industrial Research (CSIR) , Chandigarh ,Haryana , India, during 23rd &25th October 2024.



## Social Activities



### ಶಿಬಿರದಲ್ಲಿ ದಾಖಲೆ ಪ್ರಮಾಣದ ರಕ್ತದಾನ



ಹಾಸನ: ಮಲ್ಲಾರ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ಯುವ ರೆಡ್ ಕ್ರಾಸ್ ಘಟಕ, ಜಿಲ್ಲಾ ರೆಡ್ ಕ್ರಾಸ್ ಸಂಸ್ಥೆ ಹಾಸನ ಹಾಗೂ ಎನ್.ಎಸ್.ಎಸ್ ವಿಭಾಗದ ವಿದ್ಯಾರ್ಥಿ ಮತ್ತು ವಿದ್ಯಾರ್ಥಿನಿಯರ ಸಹಭಾಗಿತ್ವದಲ್ಲಿ ನಡೆದ ರಕ್ತದಾನ ಶಿಬಿರದಲ್ಲಿ ಹಾಸನ ಜಿಲ್ಲೆಯ ಇತಿಹಾಸದಲ್ಲಿ ದಾಖಲೆಯ 313 ರಕ್ತದಾನಿಗಳು ಸ್ವಯಂ ಪ್ರೇರಿತ ರಾಗಿ ರಕ್ತದಾನವನ್ನು ಜಿಲ್ಲಾ ಸರ್ಕಾರ ಆಸ್ಪತ್ರೆಯ ರಕ್ತ ನಿಧಿಗೆ ರಕ್ತದಾನವನ್ನು ನೀಡಿದರು.

ಶಿಬಿರದ ನೇತೃತ್ವವನ್ನು ಕಾಲೇಜಿನ ಯುವ ರೆಡ್ ಕ್ರಾಸ್ ಘಟಕದ

ಸಂಯೋಜಕ ಪ್ರೊ. ಮೋಹನ್ ಕುಮಾರ್ ಚವ್ವಾಣ್‌ರವರು ವಹಿಸಿ ಕೊಂಡು ಈ ದಾಖಲೆಯನ್ನು ಮಾಡಲು ಸಾಧ್ಯವಾಗಿರುತ್ತದೆ. ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ ಕೋವಿಡ್ ವೈರಸ್ ಸಮಸ್ಯೆ ಉಲ್ಬಣವಾಗುವ ಸಾಧ್ಯತೆ ಇದ್ದು ರಕ್ತದ ಕೊರತೆ ಸೃಷ್ಟಿಯಾಗುವ ನಿರೀಕ್ಷೆಯ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಜಿಲ್ಲೆಯ ರಕ್ತದ ಬೇಡಿಕೆಯ ದೃಷ್ಟಿಯಲ್ಲಿ ಹೆಚ್ಚಿನ ಸಂಖ್ಯೆಯ ರಕ್ತದಾನಿಗಳು ಭಾಗವಹಿಸಿದ್ದರು.

ಪಿ.ಎಂ. ಕಾಲೇಜಿನ ಡಾ|| ರವಿಕುಮಾರ್‌ರವರು ಉದ್ಘಾಟನೆ ಮಾಡಿದರು ಹಾಗೂ ಮಲ್ಲಾರ್

ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲರಾದ ಪ್ರೊ. ವೆಂಕಟೇಶ್‌ರವರು ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಮುಖ್ಯ ಅತಿಥಿಗಳಾಗಿ ಜಿಲ್ಲಾ ರೆಡ್ ಕ್ರಾಸ್ ಸಭಾಪತಿಗಳಾದ ಹೆಮ್ಮಿಗೆ ಮೋಹನ್, ಮಲ್ಲಾರ್ ಕಾಲೇಜಿನ ಡೀನ್ ಪ್ರೊ. ಶ್ರೀಕಾಂತ್, ಡಾ|| ನಾಗಲಕ್ಷ್ಮಿ, ರೆಡ್ ಕ್ರಾಸ್ ಖಜಾಂಚಿ ಜಯೇಂದ್ರ ಕುಮಾರ್, ಜಯಶ್ರೀ, ನಿರ್ಮಲ, ಕಟ್ಟಾಯ ಶಿವ ಕುಮಾರ್, ಪ್ರೊ. ನೀಲಕಂಠ ಹಾಗೂ ಇತರ ಅಧ್ಯಾಪಕ ವರ್ಗ ಹಾಗೂ ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳು ಭಾಗವಹಿಸಿದ್ದರು.

- Organizer of Blood Donation camp conducted on 6<sup>th</sup> Jan 2022 – IEEE MCE STUDENT BRANCH, at Malnad college of engineering, Hassan.







## **Administrative Activities**

- E&C association convener During, 1992,.1999,2000,2001,2002.
- HAM 's club convener during 1992,1993,1997,1998.
- Member of anti-ragging committee 2002,2003,2004,2005,2006.
- Squad for VTU, Exams
- Deputy Chief:VTU, Exams at KVG Sulya
- External Examiner M.Sc. (Electronics) University of Mysore.
- Member BOE PG Center University of Mysore
- Member Advisory committee for "International Journal of Mathematical Sciences and Engineering Applications", (IJMSEA).
- Reviewer for many international journals and international conference papers
- Branch counselor for IEEE MCE Student branch from 2008
- Department coordinator for TEQIP
- College examination coordinator
- Department coordinator for NBA
- Faculty advisor
- Chairman T&PC International conference on optical engineering 2012(ICOE2012), conducted during 26<sup>th</sup> -28<sup>th</sup> July at VTU Belgaum. Conducted by VTU Belgaum, technically sponsored by IEEE Photonic society.
- Secretary, IEEE Photonic society (USA) From Jan 2012-2016, Bangalore chapter.
- HOD E& C Department since 1st January 2013
- Member staff selection committee AIT Chikamagalore.
- Member Technical committee International conference on emerging trends in communication, control, signal processing and computing applications 2013(C<sup>2</sup> SPCA 2013) to be conducted

during 10<sup>th</sup> -11<sup>th</sup> October 2013 at Bangalore conducted by Oxford college of engineering and Oklahoma state university, USA. technically sponsored by IEEE Photonics society.

- Member staff selection committee MCF(ISRO) Hassan.
- Member VTU LIC committee
- Expert Member staff selection committee MCE Hassan
- Session Chair- International Conference on Emerging Trends in Engineering and Technology) on 6<sup>th</sup> April 2014 at Bangalore.
- Session Chair - International Conference on Electronics, Communication, Computer Science and Information Technology on 27<sup>th</sup> April 2014 at Bangalore.
- Session Chair - International Conference on Emerging Trends in Engineering and Technology on 18<sup>th</sup> May 2014 at Bangalore.
- Session Chair - International Conference on Emerging Trends in Engineering Technology on 8<sup>th</sup> June 2014 at Bangalore.
- Session Chair - International Conference on Emerging Trends in Engineering Technology on 22nd June 2014 at Bangalore.
- Program Chair – One week Faculty Development on Recent Technological Innovations in Optical Engineering (14<sup>TH</sup> TO 18<sup>TH</sup> JULY 2014), Sponsored by TEQIP-II and technically cosponsored by IEEE Photonic society (USA), Karnataka section. Conducted at MCE, Hassan.
- Session Chair - International Conference on Current trends in Engineering and Management (ICCTEM-2014) 19<sup>th</sup> July 2014 at VVCE, Mysore.
- Session Chair - International Conference on Emerging Trends in Engineering Sciences (ICETES-2015) 25<sup>th</sup> April 2015 at Jain College of Engineering, Belgaum
- Program Chair - International Conference on Emerging Trends in Engineering and Technology) on 10<sup>th</sup> May 2015 at Bangalore
- Program Chair - International Conference on Emerging Trends in Engineering and Technology) on 17<sup>th</sup> May 2015 at Bangalore



- Member staff selection committee Proudhavevaraya Institute of Technology, Hospet.
- Program Chair - International Conference on Emerging Trends in Engineering and Technology) on 7<sup>th</sup> June 2015 at Bangalore
- TPC Member for Digital Life
- Program Chair - International Conference on Emerging Trends in Engineering and Technology) on 9<sup>th</sup> Aug 2015 at Bangalore
- TPC Member -50<sup>th</sup> Golden Jubilee Annual Convention on “Digital Life” 2<sup>nd</sup> -5<sup>th</sup> December 2015, conducted by Computer Society of India at New Delhi
- Session Chair - International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 held on 3rd and 5th March 2016 at Palanchur, Kancheepuram, Tamilnadu, India.
- Coordinator International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 held on 3rd and 5th March 2016 at Palanchur, Kancheepuram, Tamilnadu, India.
- Session Chair – International Conference On Internet Things & Applications for Smart City-2k16 (ICIOTAS-16), held on 18<sup>th</sup> and 19<sup>th</sup> March 2016 at Annamacharya college of Technology and Sciences, Venkatapuram (Village), Renigunta (Mandal) Chittoor District, Andra Pradesh.
- General Co-Chair – International Conference On Internet Things & Applications for Smart City-2k16 (ICIOTAS-16), held on 18<sup>th</sup> and 19<sup>th</sup> March 2016 at Annamacharya college of Technology and Sciences, Venkatapuram(Village), Renigunta(Mandal) Chittoor District ,Andra Pradesh.
- Jury Head for ‘Do It Yourself -2016’ held at JSS Polytechnic for the Differently Abled, Mysore. Approved and Sponsored by DTE, Govt of Karnataka, on 26<sup>th</sup> March 2016.
- General Chair - International Conference on Advances in Engineering, Science and Technology on 17<sup>th</sup> April 2016 at Bangalore.
- General Chair– International Conference on Signal Processing, Communication and Computational Research (ICSPCCR-16), held on 18<sup>th</sup> and 19<sup>th</sup> May 2016 at Vidya Vikas Institute of Engineering & Technology, Mysore, India.

- General Chair– International Conference on Applied Science Engineering and Technology (ICASET-2016), held on 06<sup>th</sup> & 07<sup>th</sup> June. 2016, Organized by Sai Ram College of Engineering and Technology, Anekal, Bangalore, India
- General Chair– International Conference on Research Challenges in Engineering and Technology (ICRCET-2016) held on 18<sup>th</sup> & 19<sup>th</sup> August 2016, Organized by Siddharth Institute of Engineering and Technology, Puttur, Chittoor District, Andra Pradesh.
- Publicity Chair– Conference on Recent Advances in Lightwave Technology (CRALT-2016) held during 21<sup>st</sup> & 23<sup>rd</sup> September 2016, organized by IEEE Photonic Society, Bangalore chapter in association with Messe Munchen India Pvt. Ltd, held at Bangalore International Exhibition Centre, Bangalore.
- Session Chair– Conference On Recent Advances in Lightwave Technology (CRALT-2016) held during 21<sup>st</sup> & 23<sup>rd</sup> September. 2016, Organized by IEEE Photonic Society, Bangalore chapter in association with Messe München India Pvt. Ltd, held at Bangalore International Exhibition Centre, Bangalore.
- General Chair 2<sup>nd</sup> International Conference on Applied Science Engineering and Technology (ICASET-2016), held on 18<sup>th</sup> & 19<sup>th</sup> October. 2016, Organized by Swetha Institute of Technology and Science, Tirupati, Andra Pradesh, India.
- General Chair– International Conference on Chip, Circuitry, Current, Coding, Combustion and Composites(i7C-2016), held on 10<sup>th</sup> & 11<sup>th</sup> November. 2016, Organized by Sai Ram College of Engineering and Technology, Anekal, Bangalore, India
- Session Chair– International Conference on Photonics (Photonics 2016) held during 4<sup>th</sup> & 8<sup>th</sup> December 2016, Organized by IIT, Kanpur, held at IIT Kanpur, India.
- General Chair– International Conference on Technological Innovations in Engineering (ICTIE-2016), held during 15<sup>th</sup> & 16<sup>th</sup> December 2016 Organized by MIT Polytechnic, Pune, Maharashtra, India
- Vice Chairman, IEEE Photonic society (USA) From Jan 2017, Bangalore chapter.



- General Chair– International Conference on Recent Challenges in Engineering Technology (ICRCE-2017), held during 23<sup>rd</sup> & 24<sup>th</sup> Feb 2017 Organized by, Sharad Institute of Technology college of engineering, Yadrav, Ichalkaranji, Maharashtra, India
- Program Chair – One-day workshop on MOEMS and Applications conducted by E&C Dept. Malnad College of Engineering, Hassan on 18<sup>th</sup> March 2017 (Sponsored by TEQIP-II).
- Program Chair – One-day workshop on High-Speed Optical Networks conducted by E&C Dept. Malnad College of Engineering, Hassan on 21<sup>st</sup> March 2017 (Sponsored by TEQIP-II).
- Session Chair- IEEE CYBERIA 17 conducted on 1st April 2017 at JSS Science and Technology University, Mysore, India.
- Session Chair - International Conference on Emerging Trends in Engineering (ICETE-2017) 12<sup>th</sup> May 2017 at NMAM Institute of Technology, Nitte, Udupi District, Karnataka, India.
- General Chair–International Conference on Current Research on Embedded, Information and Computer Technologies (ICEICT-2017), held during 2<sup>nd</sup> and 3<sup>rd</sup> June 2017 Organized by R R Institute of Technology, Bangalore, India.
- General Chair– International Conference on Internet of Things for Future Smart Cities (ICIOTSC-2017), held during 21<sup>st</sup> and 22<sup>nd</sup> July 2017, Organized by Geethanjali Institute of Science and Technology, Nellore District, Andra Pradesh.
- Member Doctoral committee Dayanand Sagar University Bangalore.
- Vice Chair IEEE Photonic Society Bangalore Chapter.
- Secretary, IEEE Photonic Society All India Counsel.
- General Chair– International Conference on Applied Science Engineering and Technology (ICASSET-2018), held during 16<sup>th</sup> and 17<sup>th</sup> March 2018, Organized by Sengunthar College of Engineering, Tituchengod, Tamil Nadu, India.
- Session Chair - International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2018) 23<sup>rd</sup> August 2018 at PES College of Engineering, Mandya, Karnataka, India

- Chief Convener-One week Faculty Development on Recent Advances in Photonics (3rd to 8th Dec 2018), Sponsored by TEQIP-III and technically cosponsored by IEEE Photonic society (USA), India Chapter. Conducted at Jorhat Engineering College, Jorhat, Assam, A Twinning program with MCE, Hassan.
- Special Session Chair - International Conference on Computing for Sustainable Global Development (INDIACom-2019), held during 13th and 14th March 2019 Organized by Bharathi Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India.
- Co Patron- One week Faculty Development Programme on Recent Advances in Communication & Photonics, Sponsored by TEQIP –III and technically cosponsored by IEEE Photonic Society (USA), India Chapter, held during 8th and 12th July 2019 at Veer Bahadur Singh Purvanchal University (Uma Nath Singh Institute of Engineering and Technology) Jaunpur, Uttar Pradesh, organized by Dept. of E&C, VBSPU(UNSIET) Jaunpur, UP.
- Invited as Advisory Board Committee Member (NBA), Sai Vidya Institute of Technology, Bangalore for 2019-2020.
- Convener - Three days “Hands- on Training on Photonic Sensor Simulation Tools” Sponsored by TEQIP-III, and technical Co-sponsored by IEEE Photonic society, Bangalore Chapter during 3<sup>rd</sup> & 5<sup>th</sup> October 2019 at MCE Hassan.
- TPC Member– IEEE Workshop on Recent Advances in Photonics 2019 (WRAP 2019) held during 13th & 14th December 2019, Organized by IIT, Guwahati, held at IIT Guwahati, Assam, India.
- Member-College Internal Complaints Committee (CICC) from 30/11/2019
- Member BOS, Electrical Engineering Chandigarh University, Mohali, Chandigarh. Punjab.
- Chief Convener -One week Faculty Development Programme on Recent Advances in Photonics Technology. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, held during 7<sup>th</sup> and 11<sup>th</sup> September 2020 at Vidyavardhaka College of Engineering organized by Dept. of E&C, VVCE, Mysore, India.



- Member Advisory Committee - One week Faculty Development Programme on Recent Advances in Photonics and Communication, sponsored by AICTE Training and Learning Program (ATAL), held during 2nd and 6th November, 2020 at Guru Jambheshwar University of Science and Technology organized by Dept. of Physics, Hisar, Haryana, India.
- Covid task head for exams from 2020.
- Chair-Three days “Hands- on Training on Quantum Concepts and Applications”, held during 11<sup>th</sup> and 13<sup>th</sup> January 2021 Sponsored by IEEE MCE Student Branch, MCE, Hassan.
- Chair-IEEE Webinar on IEEE Benefits and IEEE Funding for Projects, By Dr Sujatha, Professor, BMS College of Engineering Bangalore, held on 17th April 2021, jointly organized by IEEE MCE Student Branch and IEEE Bangalore Section, Bangalore, India.
- Member Advisory Committee- National Conference Recent Trends in Engineering (NCRTE-2021), held during 3rd & 4th May 2021, Organized by Dayanand Sagar University, School of Engineering, Bangalore, India.
- Chair-IEEE Webinar on Mode Locked Fiber Lasers, By Dr Niloy K Dutta, Professor, University of Connecticut, USA, held on 22nd May 2021, Jointly organized by IEEE MCE Photonic Society Student Chapter and IEEE Photonics Society Chapter Calcutta University, In association with IEEE Prakash Bharati India.
- Chair-IEEE Webinar on Compensation of Impairments in Fiber Optic Systems, By Dr Shiv Kumar, Professor, Mc Master University, Canada, held on 24nd May 2021, Jointly organized by IEEE MCE Photonic Society Student Chapter and IEEE Photonics Society Chapter Calcutta University, In association with IEEE Prakash Bharati India .
- Chair-IEEE Webinar on “Introduction to Photonics”, (In Kannada) By Dr. Gopalakrishna Hegde, Professor, IISc Bangalore, held on 28th May 2021, Organized by IEEE MCE Photonic Society Student Chapter, In association with IEEE Prakash Bharati India.
- Chair-IEEE Webinar on “Resonant cavity based optical modulators/switches using electro absorption effect” By Dr Sooraj Ravindran, Professor, IIST Trivandram, held on 4th June 2021,

Organised by IEEE MCE Photonic Society Student Chapter, In association with IEEE Prakash Bharati India

- Chair -IEEE Webinar on “Possible Carrier Pathways for Engineering Graduates” held on 19th June 2021, Organised by IEEE MCE Student Branch, In association with IEEE Bangalore Section and IEEE Mysore Subsection
- Dean (Planning & Development), Malnad College of Engineering since 15th Sept 2021
- Member & Subject Expert: Screening cum evaluation committee (For CAS Promotion), Department of Technical education, Government of Karnataka 23/10/21.
- Session Chair– International Conference IEEE MysuruCon-2021 held during 24<sup>th</sup> & 25<sup>th</sup> October, 2021 , Sponsored by IEEE Mysore Subsection and Organized by Navkis College of Engineering, Hassan, Karnataka ,India.
- Reviewer- European Physical Journal D 4<sup>th</sup> January 2022.
- Convener- One-day Symposium on Photonics and Quantum Concepts. Technically cosponsored by Prakash Bharathi IEEE Photonics Society (USA), India, Organised by E&C Department, Malnad College of Engineering in association with IEEE MCE Student Branch held on 28<sup>th</sup> May 2022 at E&C Department, Malnad College of Engineering Hassan.
- Member Organizing Committee – IEEE International Conference on Data Science and Information System (ICDSIS-2022) held during 29<sup>th</sup> & 30<sup>th</sup> July 2022, Sponsored by IEEE Mysore Subsection and Organized by Malnad College of Engineering, Hassan, Karnataka, India.
- Reviewer- European Physical Journal D 9<sup>th</sup> September 2022.
- Reviewer- Modern Physics Letters B 21<sup>st</sup> September 2022.
- Member- tender evaluation committee, Hassan district authority for installation of digital LED screen during the opening of Hasanamba temple 6<sup>th</sup> October 2022
- Program Chair –One-day workshop on Intellectual Property Rights and Cyber Law, held on 17<sup>th</sup> October 2022, Conducted by E&C department in association with IEEE MCE Student branch and IEEE Prakash Bharati India.



- Program Chair –One-day workshop on Photonics: Opportunities and Challenges in India and Benefits of IEEE Photonics Society, held on 30<sup>th</sup> October 2022, Conducted by E&C department in association with IEEE MCE Student branch and IEEE Prakash Bharati India.
- Member: Screening cum evaluation committee (For CAS Promotion), Department of Technical education, Government of Karnataka, 23/10/21, 7/02/22 & 12/12/22.
- Member BOE PG Center University of Mysore 04/01/23
- Reviewer Journal of Nanophotonics, SPIE (Society of Photo-Optical Instrumentation Engineers) 24/01/2023 reviewed on 9.02 2023.
- Member: Institute For Engineering Research and Publication (IFERP) 3/02/23.
- Session Chair: International Conference on Recent Trends in Electronics and Communication (ICRTEC 23), Organised and hosted by The National Institute of Engineering, Mysuru (Dept of ECE) on 10<sup>th</sup> & 11<sup>th</sup> February 2023.
- Expert: Academic and Administrative Audit Sidda Ganga Institute of Technology, Tumkur conducted on 3rd October 2023.
- Reviewer Optical and Quantum Electronics (Springer Nature Journal) 8th October 2023
- Reviewer Plasmonics (Springer Nature Journal) 27th November 2023
- Organizing Chair: IEEE MysuruCon 2023 3rd Edition of the Flagship International Conference Series of IEEE Mysuru Subsection in Association with IEEE Bangalore Section hosted by E&C Department, Malnad College of Hassan, on Emerging Technologies for Smart cities conducted during 1st and 2nd December 2023.



- Member BOS SJCE, Mysore meeting held on 6th December 2023
- Reviewer Journal of Nano Photonics (SPIE International Society for Optics and Photonics) 5th January 2024
- Reviewer Scientific Reports (Springer Nature Journal) 17th January 2024
- Member VTU LIC committee (4th and 5th March 2024)
- Advisory Board Member: IEEE International Conference on Data Science and Information Systems (ICDSIS-2024), Organized and hosted by Department of Information Science and Engineering, Malnad College of Engineering, Hassan, Karnataka, India on 17<sup>th</sup> & 18<sup>th</sup> May 2024.
- Session Chair: 10<sup>th</sup> International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT-2024), Organized and hosted by IEEE Bangalore Section and Indian Institute of Science (IISc), Bangalore, Karnataka, during 12<sup>th</sup> & 14<sup>th</sup> May 2024.



- Member BOS SJCE, Mysore meeting held on 3<sup>rd</sup> August 2024
- NBA Advisor for E&C Department Navkis college of Engineering, Hassan, Karnataka, for 2024.
- Session Chair: XLVII Symposium of the Optical Society of India International Conference on Advances in Optics and Photonics Instrumentation (OPTOIn-2024) 23-25 October 2024, Organized and hosted CSIR-CSIO is a constituent unit of the Council of Scientific and Industrial Research (CSIR), Chandigarh, Haryana, India, during 23<sup>rd</sup> & 25<sup>th</sup> October 2024.
- Session Chair: 8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS-2024), Organized by RV College of Engineering, Bangalore, Karnataka, India, during 7<sup>th</sup> & 9<sup>th</sup> November 2024.
- Member: Departmental Advisory Board (DAB), E&C Department Navkis College of Engineering, Hassan, meeting held on 30<sup>th</sup> November 2024.

## **Research and Development/Consultancy**

- R&D Report on “AC Power Control of Resistive Loads Using TRIAC” submitted to CESC, Hassan on 12<sup>th</sup> May 2017.
- Assisting BSNL, Hassan in resolving problems associated with C-DOT CM (Central Module) and other issues regarding optical networks and components (22.10.15) since 2011.
- DST- Fellowship 2021 of Rs 20,000 per month for my PhD Scholar Yashaswini P. R for her thesis topic “Analysis of Photonic sensors for various applications”.



# **Publications**

## **International conferences**

- P.C.Srikanth, Pradip Sircar “Subcarrier multiplexed coherent lightwave systems using combined amplitude and frequency modulation scheme” Proceedings of IEEE TENCON 98, pp356-359
- P.C.Srikanth,M.V.Sathyanarayana,T.Srinivas,“Computing Approximate Survivability and blocking probabilities in Wavelength Routed All-Optical Networks”,pp349-345,International conference on advances in information and communication technology([ICICOT07](#)) held at MIT Manipal during 28<sup>th</sup>-30<sup>th</sup> December
- P.C.Srikanth,M.V.Sathyanarayana ,T.Srinivas,“Fault management in survivable WDM optical networks using an adaptive hybrid algorithm”, pp50, International conference on computing communication and networking (ICCCN08) held during 18-20 December 2008 at Chettinadu college of engineering & technology,Karur,TN.
- P.C.Srikanth,M.V.Sathyanarayana ,T.Srinivas,“Fault management in survivable WDM optical networks :An hybrid algorithm approach”, pp1472-1474, International conference “World congress on science, engineering and technology(WCSET 2009) 25-27 February 2009 at Penang,Malaysia.
- P.C.Srikanth,M.V.Sathyanarayana ,Balaraju DT.Srinivas” Fault tolerance in survivable WDM optical networks using hybrid scheme”IEEE TENCON 2009 held at Singapore during 23-26 November 2009.
- Kempegowda.K, P.C.Srikanth “Incentive oriented protocol for delay tolerant networks”, pp 17-22 International conference on Control,Communication and Computer Technology(CCCT-2011) held during 19<sup>th</sup> November 2011 at Bangalore, India
- Chiranthana.H.R, P.C.Srikanth “Detecting and effective routing of time critical events using congestion and delay aware routing in WSNs” pp 9-16 , International conference on Electronics and Communication Engineering(ICECE) held during 24<sup>th</sup> June 2012 at Ahmedabad, India

- Mahabaleshwara Bhat P, P.C.Srikanth “Modeling route handoff in MANET using channel aware routing protocol” pp 91-96, International conference on Electrical and Electronics Engineering(ICEEE) held during 30<sup>th</sup> June 2012 at Mysore, India.
- Divya G.S, P.C.Srikanth “VoIP based Embedded System Design for Communication Applications”, pp 80-85 International conference on Information Technology, Electronics and Communications(ICITEC-2013) held during March 30<sup>th</sup> & 31<sup>st</sup> 2013 at Bangalore, India.
- Madhurya B Eshwar, P.C.Srikanth “A New Co-operative Nodes Based Route Discovery and Game Theory Based Routing Algorithm for WSN” pp 179-183, International Conference on Electronics and Communication Engineering(ICECE 2013) held during 24<sup>th</sup> April 2013 at Bangalore, India.
- Indira Bahaddur, Triveni C L, P.C.Srikanth “Novel Defense Mechanism Against Data Flooding Attacks in Ad Hoc Network” pp31 - 35, IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT 2013) held during 4<sup>th</sup> & 6<sup>th</sup> July 2013 in Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal District, Tamil Nadu, INDIA.
- Indira Bahaddur, Triveni C L, P.C.Srikanth “OFDM Transceiver Design using C” pp 38 -41, IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT 2013) held during 4<sup>th</sup> & 6<sup>th</sup> July 2013 in Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal District, Tamil Nadu, INDIA.
- Indira Bahaddur, Triveni C L, P.C.Srikanth “AN IP TRACEBACK SYSTEM TO FIND THE REAL SOURCE OF ATTACK USING FDPM” pp 22-26, IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT 2013) held during 4<sup>th</sup> & 6<sup>th</sup> July 2013 in Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal District, Tamil Nadu, INDIA
- Divya G.S, P.C.Srikanth “Embedded VoIP Communication System with Graphical User Interface” pp28 -33, IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT 2013) held during 4<sup>th</sup> & 6<sup>th</sup> July 2013 in Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal District, Tamil Nadu, INDIA



- Rajeshwari S, Indira Bahaddur, Preeta Sharan, P C Srikanth “A Design and Simulation of Optical Pressure Sensor based on photonic crystal in Sub-MicronRange” pp18-21, International Conference on Emerging Trends in Engineering and Technology (ICET-2014) held on 6<sup>th</sup> April 2014 at Bangalore,India.
- Shruthimala N S, Indira Bahaddur, Preeta Sharan, P C Srikanth “MEMS Based Optical Sensor for Salinity Measurement”, pp22-24, International Conference on Emerging Trends in Engineering and Technology (ICET-2014) held on 6<sup>th</sup> April 2014 at Bangalore,India.
- H.S.Mohana, Navya. K,P.C.Srikanth,G.Shivakumar “Stone In-scripted Kannada characters Matching using SIFT” , pp,126-131, ASAR-International Conference on Electrical, Electronics and Computer Engineering(ASAR-ICEECE-2014), held on 6<sup>th</sup> April 2014 at Mysore,India.
- Mallika C S, P C Srikanth, Preeta Sharan “ Modeling of Photonic Crystal Ring Resonator Temperature Sensor”,pp 59-62, International Conference on Electronics, Communication, Computer Science and Information Technology held on on 27<sup>th</sup> April 2014 at Bangalore
- Niranjana Dasar, Triveni C L, P.C.Srikanth “A study on Link Weight Performance Analysis in an Intra-Domain Networks”,pp 20-24, International Conference on Electronics, Communication, Computer Science and Information Technology held on on 27<sup>th</sup> April 2014 at Bangalore
- Rashmi T.S ,Triveni C L, P.C.Srikanth “Design and Analysis of Combined Gradient Descent and Genetic Algorithm for Wireless Sensor Networks”pp 25-29, International Conference on Electronics, Communication, Computer Science and Information Technology held on on 27<sup>th</sup> April 2014 at Bangalore.
- Shashank S Bhagwat,Triveni C L, P.C.Srikanth “Implementation and Analysis of Multiple Criteria Decision Routing Algorithm for Wireless Sensor Network”pp34-37, International Conference on Electronics, Communication, Computer Science and Information Technology held on on 27<sup>th</sup> April 2014 at Bangalore.

- Lavanya K. S , M.N.Ravikumar , P.C.Srikanth, “Color Image Comoression and Encription Using SPHIT and STREAM CIPHER Algorithm” pp 84-88, Proceedings of ASAR International conference, held on 14<sup>th</sup> May 2014 at Mysore,India.
- Shravan.S.K ,Triveni C L, P.C.Srikanth,Taresh B.M “Minimum resource Consumption Routing for Optical Networks” pp 36-40, International Conference on Emerging Trends in Engineering Technology (ICET-2014) held on 8<sup>th</sup> June 2014 at Bangalore,India.
- Taresh B.M, P.C.Srikanth, , Shravan.S.K “Detection of Human Bladder Cancer Cells Using Image Processing” pp 26-30, International Conference on Emerging Trends in Engineering Technology (ICET-2014) held on 8<sup>th</sup> June 2014 at Bangalore,India
- Adarsh D, Indira Bahaddur, Triveni.C L, P.C.Srikanth “Cross-Layer Design of Transport Protocol For Reliable Date Transfer in WSN” pp 15-20, International Conference on Emerging Trends in Engineering Technology (ICET-2014) held on 8<sup>th</sup> June 2014 at Bangalore,India
- Nandini Rao, Preeta Shran , P.C.Srikanth “A Novel Quantum-Dot Cellular Automata for Parity Bit Generator And Parity Checker” pp 34, International Conference on Emerging Trends in Engineering Sciences (ICETES-2015)held on 25<sup>th</sup> April 2015 at Jain college of engineering , Belgaum, India
- Girijamba D L , Preeta Shran , P.C.Srikanth “Analysis of Fluoride Detection in Water Using Photonics Based Biosensors” pp 63, International Conference on Emerging Trends in Engineering Sciences (ICETES-2015)held on 25<sup>th</sup> April 2015 at Jain college of engineering , Belgaum, India
- Bharath. P, Dharshan C.B,Syed Sabeer Hussaini, P.C.Srikanth, “The Design of a Wideband Circular Micro strip Patch Antenna for Wireless Application at 9GHz” pp 18-21, International Conference on Emerging Trends in Engineering and Technology (ICET-2015) held on 17<sup>th</sup> May 2015 at Bangalore,India
- Nandini Rao, Preeta Shran , P.C.Srikanth, “A Novel Quantum-Dot Cellular Automata Based Design for Multiplexers” **pp 21-24**, International Conference on Emerging Trends in Engineering and Technology (ICET-2015) held on 7<sup>th</sup> June 2015 at Bangalore,India, (ISBN9788192958066)



- Girijamba D L , Preeta Shran , P.C.Srikanth, “Detection of Fluoride Contaminated Water in Dental Applications” **pp 78-83**, International Conference on Emerging Trends in Engineering and Technology (ICET-2015) held on 9<sup>th</sup> August 2015 at Bangalore,India(ISBN9788192958066)
- Adithya B A, Thrimurthi M, Thandavamurthi H R, Yogesh H G, Gururaj H L , P C Srikanth, “Comparative Analysis of Different Deployment Techniques in Wireless Sensor Network” pp 3715-3719, International Conference on Electronics and Communication Systems (ICECS-2016) held on 25<sup>th</sup> and 26<sup>th</sup> February 2016 at Karpagam College of Engineering Coimbatore, Tamilnadu,India,(978-4673-1-16/\$31.00©2016 IEEE).
- Indira Bahaddur, P C Srikanth , Preeta Sharan, “A Photonic Crystal Based Pressure Sensor” pp 3902-3905, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 held on 3<sup>rd</sup> and 5<sup>th</sup> March 2016 at DMI College of Engineering, Palanchur,Kancheepuram, Tamilnadu, India,( 978-1-4673-9939-5/16/\$31.00 ©2016 IEEE).
- Adarsh D, P C Srikanth , M.V.Sathyanarayana , “GPS Free Localization based on Relative Velocity in MANETs” pp 3892-3895, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 held on 3<sup>rd</sup> and 5<sup>th</sup> March 2016 at, DMI College of Engineering, Palanchur,Kancheepuram, Tamilnadu, India,(978-1-4673-9939-5/16/\$31.00 ©2016 IEEE).
- Neha Anjum, P C Srikanth , Jaganath Nayak, “Fiber Optic Sensors and Optical Sensing Technology” pp 3884-3891, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 held on 3<sup>rd</sup> and 5<sup>th</sup> March 2016 at, DMI College of Engineering ,Palanchur,Kancheepuram, Tamilnadu, India,(978-1-4673-9939-5/16/\$31.00 ©2016 IEEE).
- Sayida Thahaseen Y.M, P C Srikanth , Jaganath Nayak, “Assessment of Magneto-Optic Faraday effect drift on Sensing coil of IFOG as a function of variable Degree Of Polarization(DOP)” pp 3879-3883, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 held on 3<sup>rd</sup> and 5<sup>th</sup> March 2016 at, DMI College of Engineering Palanchur,Kancheepuram, Tamilnadu, India,(978-1-4673-9939-5/16/\$31.00 ©2016 IEEE)

- Triveni C L, P C Srikanth , T Srinivas, “Least resource Consumption for Optical WDM Networks” pp 3868-3872, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 held on 3<sup>rd</sup> and 5<sup>th</sup> March 2016 at, DMI College of Engineering, Palanchur,Kancheepuram, Tamilnadu, India(978-1-4673-9939-5/16/\$31.00 ©2016 IEEE).
- Triveni C L, P C Srikanth , T Srinivas, “An optimized routing algorithm for Elastic Optical Network” pp 3873-3878, International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016 held on 3<sup>rd</sup> and 5<sup>th</sup> March 2016 at, DMI College of Engineering, Palanchur, Kancheepuram, Tamilnadu, India,(978-1-4673-9939-5/16/\$31.00 ©2016 IEEE).
- Triveni C L, P C Srikanth , T Srinivas, “A Review on Spectrum Sliced Elastic Optical Path Networks” pp 59, International Conference On Internet Things & Applications for Smart City-2k16 (ICIOTAS-16), held on 18<sup>th</sup> and 19<sup>th</sup> March 2016 at Annamacharaya college of Technology and Sciences, Venkatapuram(Village), Renigunta(Mandal) Chittoor District, Andra Pradesh.
- Indira Bahaddur, P C Srikanth , Preeta Sharan, “A Study on Pressure Sensor Based on Photonic Crystal ” pp 67, International Conference On Internet Things & Applications for Smart City-2k16 (ICIOTAS-16), held on 18<sup>th</sup> and 19<sup>th</sup> March 2016 at Annamacharaya college of Technology and Sciences, Venkatapuram(Village), Renigunta(Mandal) Chittoor District ,Andra Pradesh.
- Indira Bahaddur, P C Srikanth , Preeta Sharan, “Sensor photonic crystal based Sensor, ” pp 30, International Conference on Photonics (Photonics-2016), held on 4<sup>th</sup> and 8<sup>th</sup> December at 2016, Organized by IIT,Kanpur,India
- Triveni C L, P C Srikanth , T Srinivas, “Routing and Spectrum Allocation in SLICE Optical Networks” pp 32, International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT) – 2016 held during 9<sup>th</sup> and 10<sup>th</sup> December 2016 at, GSSS Institute of Engineering and Technology, Mysore, India
- Sandhyarani N, P C Srikanth , “Study On Fiber Optic Gyroscope” pp 133, International Conference on Technological Innovations in Engineering (ICTIE - 2016), held on 15<sup>th</sup> and 16<sup>th</sup> March 2016 at MAEER'S MIT Polytechnic, Kothrud, Pune, Maharashtra, India



- Rekha B, P C Srikanth , “Designing of Two Channel QMF in Matlab” pp 134, International Conference on Technological Innovations in Engineering (ICTIE - 2016), held on 15<sup>th</sup> and 16<sup>th</sup> March 2016 at MAEER'S MIT Polytechnic, Kothrud, Pune, Maharashtra, India
- Seetharamgowda.S, P C Srikanth , “Designing of Interpolation Using Matlab” pp 135, International Conference on Technological Innovations in Engineering (ICTIE - 2016), held on 15<sup>th</sup> and 16<sup>th</sup> March 2016 at MAEER'S MIT Polytechnic, Kothrud, Pune, Maharashtra, India
- Rekha B, P C Srikanth , “FPGA Based Solution for Storing and Serial Transmission of Data Generated Through DDS” pp 90, International Conference on Applied Science Engineering and Technology (ICASET - 2017), held on 18<sup>th</sup> and 19<sup>th</sup> May 2017 at Sai Ram College of Engineering and Technology, Anekal, Bangalore, India(ISBN:978-81-932966-0-8)
- Sandhyarani N, P C Srikanth , “Data Transfer from FPGA To PC Through Ethernet” pp 132, International Conference on Applied Science Engineering and Technology (ICASET - 2017), held on 18<sup>th</sup> and 19<sup>th</sup> May 2017 at Sai Ram College of Engineering and Technology, Anekal, Bangalore, India(ISBN:978-81-932966-0-8)
- Smitha M J, P C Srikanth , “Shortest Back off Delay Routing in Wireless Sensor Network” pp 67, International Conference on Wearable Technologies (ICOWT - 2017), held on 22<sup>nd</sup> and 23<sup>rd</sup> June 2017 at Dayanand Sagar University, School of Engineering , Bangalore, India (ISBN:978-81-929580-4-0)
- Lakshmi D L , P C Srikanth , “ DWDM Transmission System, A Review” pp 207, International Conference on Recent Advancements in Information Technology, Science and Engineering (ICRAITSE-2017),held during 14<sup>th</sup> and 15<sup>th</sup> December 2017 at APC Mahalaxmi College for Women, Tuticorin, Tamilnadu, India.
- Triveni C L ,T Srinivas, P C Srikanth , “ A Minimum Sub-Carrier path RSA in Spectrum-Sliced Elastic Optical Path Networks” pp 23, IEEE Workshop on Recent Advances on Photonics (WRAP-2017),held during 18<sup>th</sup>-19<sup>th</sup> December 2017 Mahindra Ecole Centrale,Hyderabad, India.
- Madhu Dilip Potadar , P C Srikanth , “A Study on: Software Receiver for Gps Signal ” pp 17, International Conference on Emerging Trends in Engineering ,Science and Technologies

(ICETEST-2018),held during 16<sup>th</sup> and 17<sup>th</sup> February 2018 at Balaji Institute of Technology and Science, Narasampet, Warangal, India.

- Indira Bahaddur,Preetha Sharan, P C Srikanth , “ Photonic Crystal Based Micro Mechanical Sensor in SOI Platform”, pp 11 , 4th International Conference on Green Computing and Engineering Technologies,held during 17th and 19th August 2018 at Aalborg University,Niels Bohrs Vej 8, Esbjerg, Denmark.
- Triveni C L, P C Srikanth , Mitha M, Preeta Shran, T Srinivas, “Real Time Implementation of Multimedia Traffic Using MUX in Optical Networks” , International Conference on Fiber Optics and Photonics – 2018 held during 12th and 15th December 2018 at, IIT Delhi, Delhi, India(ISBN 978-93-88653-41-1)
- Ajey S S, P C Srikanth , D N Nagalaxmi, V R Krishnamurthy , N Chandrashekar “ Design and Analysis for the Presence of Bacillus Cereus in Blood Using Plasmons”, 4th International Conference on Recent Trends in Computer Science and Electronics ,held during 03rd and 4th January 2019 at University of Hawaii, Hawaii ,USA.
- Yashaswini P R , Mamatha M , P C Srikanth “Circular Diaphragm-Based MOEMS Pressure Sensor Using Ring Resonator ” pp 279-283, IEEE International Conference on Computing for Sustainable Global Development held during 13th and 15th March 2019 at Bharati Vidyapeeth's Institute of Computer Application and Management (BVICAM) , New Delhi ,India.(IEEE Conference ID 46181)
- Triveni C L ,V Krupa,T Srinivas, P C Srikanth , “ Basic-fit spectrum allocation for Elastic Optical Networks” pp 33, IEEE Workshop on Recent Advances on Photonics (WRAP-2019),held during 13th -14th December 2019 at IIT Guwahati, Assam, India.
- Indira Bahaddur, M R Tejaswini ,K T Santhosh, Preetha Sharan, P C Srikanth “ 2D Photonic Crystal Cantilever Resonator Pressure Sensor” pp 31, IEEE Workshop on Recent Advances on Photonics (WRAP-2019),held during 13th -14th December 2019 at IIT Guwahati, Assam, India.



- Yashaswini P R, A M Upadhyaya, M C Srivastava, Preetha Sharan, P C Srikanth “ Micro mechanical deformation sensor based on ultra sensitive photonic crystal membrane” pp 37, IEEE Workshop on Recent Advances on Photonics (WRAP-2019), held during 13th -14th December 2019 at IIT Guwahati, Assam, India.
- Thanushree K S , Afzal, Manjudevi, P C Srikanth “A Novel Automated Framework for Water Impurity Detection” pp 307-312 ,IEEE International Conference on Computing for Sustainable Global Development (INDIACom-2020), held during 12th and 14th March 2020 Organized by Bharathi Vidyapeeth's Institute of Computer Applications and Management (BVICAM) , New Delhi, India.
- Ajey S S, Bhanumathi H R , Preeta Sharan , P C Srikanth “Bacillus Cereus Detection based on Photonic Crystal Biosensor” pp 300-306 ,IEEE International Conference on Computing for Sustainable Global Development (INDIACom-2020), held during 12th and 14th March 2020 Organized by Bharathi Vidyapeeth's Institute of Computer Applications and Management (BVICAM) , New Delhi, India.
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### **Research areas:**

- Optical Communication and Networks
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