



Sri Venkateswara College of Engineering

Post Bag No.1, Pennalur, Sriperumbudur, Tamil Nadu, India

Department of ECE

Organizes

Webinar on

Scope of Electronics in Medical Instrumentation

Date: 01/08/2020

Time: 3-4 pm

Convener

Dr.S.Muthukumar,HOD

Co-ordinators

Ms.M.Vidya,Assistant professor

Ms.S.Radhika,Assistant professor



Presenter

Mr.S.Bharath Kumar
Corporate Manager
USV Pvt Ltd

**SRI VENKATESWARA COLLEGE OF ENGINEERING
ELECTRONICS AND COMMUNICATION
ENGINEERING**

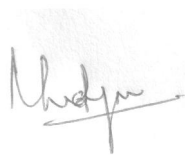
PROGRAM SCHEDULE

Event: “Webinar on Scope of Electronics in Medical Instrumentation”

DATE: 1/8/2020

TIME: 3-4 p.m

- ❖ Prayer
- ❖ Welcome Address
- ❖ Address by the Head of the Department
- ❖ Chief Guest Introduction
- ❖ Technical Talk
- ❖ Vote of Thanks



Co-ordinator



Hod-ECE

**SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF ECE
ONLINE WEBINAR REPORT**

Title : **Scope of Electronics in Medical Instrumentation**
Conducted on : **01/08/2020**
Resource persons : **Mr.S.Bharath Kumar, Corporate Manager, USV
Pvt Ltd, Chennai.**

Organizers : **Ms.M.Vidya, Ms.S.Radhika**

The webinar on “Scope of Electronics in Medical Instrumentation” is conducted in online platform (Google Meet) during 3.00 P.M. - 4.00 P.M. on 1st August, 2020. The targeted audience are third year ECE students, since they are pursuing an elective subject Medical Electronics during the odd semester 2020-2021.

The session is arranged in order to surge the interest of students and also to provide information about the latest developments in medical instruments. The speaker, with his expert knowledge in existing and latest medical instruments delivered contents in such a way that the students clearly understand the role of an electronics engineer in the field of medical instrumentation.


The speaker delivered explanations about the working of X-ray machine, MRI, MRI guided LASER Ablation systems, Anesthesia systems, Spinal cord stimulation, Insertable Cardiac monitor and also information about the various corporate giants in the production of medical devices.

The session was concluded with a vote of thanks, after question and answer session.

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Electronics in Medical Science

- The core health care science and research in medical instrumentation will have ever increasing interface with technology areas.
- The future will not only be dominated by advances in life sciences but will also witness the merging of entire technologies and medicine.
- To meet these challenges, a new breed of medical professionals is required which will be conversant with the medical profession as well as the engineering profession, and who will be able to fuse together the medical sciences with the high-end technologies.



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Medical Devices Giants

Top 30 Medical Devices Company in the world

| Company | Turn Over | Company | Turn Over |
|-------------------------|-----------|---------------------------|-----------|
| 1. Medtronic | \$30.56B | 16. Alcon | \$7.15B |
| 2. Johnson & Johnson | \$26.99B | 17. Fresenius | \$6.06B |
| 3. GE Healthcare | \$19.78B | 18. 3M Health Care | \$6.02B |
| 4. Abbott | \$18.93B | 19. Olympus | \$5.72B |
| 5. Philips | \$16.09B | 20. Terumo | \$5.41B |
| 6. BD | \$15.98B | 21. Smith & Nephew | \$4.90B |
| 7. Cardinal Health | \$15.58B | 22. Dentsply Sirona | \$3.99B |
| 8. Siemens Healthineers | \$15.58B | 23. Canon Medical Systems | \$3.96B |
| 9. Stryker | \$13.60B | 24. Edwards Lifesciences | \$3.81B |
| 10. Baxter | \$11.12B | 25. Intuitive Surgical | \$3.72B |
| 11. Boston Scientific | \$9.82B | 26. Hoya | \$3.37B |
| 12. Danaher | \$9.10B | 27. Hologic | \$3.22B |
| 13. EssilorLuxottica | \$8.53B | 28. Varian | \$2.91B |
| 14. Zimmer Biomet | \$7.93B | 29. Hillrom | \$2.84B |
| 15. B. Braun | \$7.90B | 30. Sonova | \$2.77B |


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Talking: Bharath Srinivas View Everyone 46 🔊 ⚙️ ☰

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Spinal Cord Stimulation



Insertable Cardiac Monitor





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Visualase MRI-Guided Laser Ablation



Bharath Srinivas is presenting

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| S.No | Participant's Name |
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| 1 | AARSHIK ECE |
| 2 | ABINAYA ECE |
| 3 | ABIRAMI ECE |
| 4 | ADITYA ECE |
| 5 | AFIAH BANU ECE |
| 6 | AMALAN VALLIAPPAN ECE |
| 7 | ARAVINDRAJ ECE |
| 8 | ARUN SUBBIAH ECE |
| 9 | ASHWIN KUMAR ECE |
| 10 | ASWINE ECE |
| 11 | Monica R ECE |
| 12 | MYTHREYAN ECE |
| 13 | NANDHINI ECE |
| 14 | NIRAIMADI ECE |
| 15 | NIRANJAN R ECE |
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| 17 | NITHYA M ECE |
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| 19 | NIVEDHA M ECE |
| 20 | PAGADALA CHARITH KUMAR REDDY ECE |
| 21 | PALLAVI ECE |
| 22 | POOJA R EC |
| 23 | RAGHUL G EC |
| 24 | SANJAY KUMAR S EC |
| 25 | MARIYA BALA ITHRISHA ECE |
| 26 | MOGULLURU SOMA KRISHNA DATTUDU EC |
| 27 | MOHAMMED SAHIL ECE |
| 28 | MADHAVRAM ECE |
| 29 | MADHUMITHA S_061 ECE |
| 30 | MADHUMITHA V_062 ECE |
| 31 | MANIMARAN ECE |
| 32 | MANOJ ECE |
| 33 | MANU RENGANATHAN ECE |
| 34 | KRITIKA AGRAWAL ECE |
| 35 | KULANDAIYAN ECE |
| 36 | KANDIKATTU DEEPAK ECE |
| 37 | KANISHKA ECE |
| 38 | KARTHIKEYAN ECE |
| 39 | KEERTHANA B ECE |
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| 41 | KESHIKA ECE |
| 42 | JEGAN ECE |
| 43 | JERUSHA ECE |
| 44 | KAMALAKANNAN ECE |
| 45 | ISHWARYA ECE |
| 46 | JAI JISHNESH ECE |
| 47 | JANANI ECE |
| 48 | JEEVAHARISH ECE |
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| 51 | HARSHITHAH ECE |
| 52 | HASHINI ECE |
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| 54 | GANESH ECE |
| 55 | GAYATHRI ECE |
| 56 | HARI KHESHAV ECE |

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| 57 | HARIHARA KUMAR ECE |
| 58 | HARRSHAVARDHAN ECE |
| 59 | HARSHA LEKHA ECE |
| 60 | DEEPIKA ECE |
| 61 | DEVI PRIYA ECE |
| 62 | FIONA ECE |
| 63 | BHARATHKUMAR ECE |
| 64 | BOOMICA ECE |
| 65 | BUVANESH ECE |
| 66 | CHILAKA SAI DEEKSHITH ECE |
| 67 | DEEPAK KUMAR ECE |
| 68 | DEEPAK SHIVAVEL ECE |
| 69 | BALA AKASH ECE |
| 70 | BALAJI ECE |
| 71 | BALAJI S ECE |
| 72 | VIDYA M ECE |
| 73 | RADHIKA S ECE |
| 74 | BHARATH KUMAR |



Co-ordinator



HoD-ECE



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Department of Electronics and Communication Engineering

Certificate of Participation

This is to certify that

for participating in the webinar on "Scope of Electronics in Medical Instrumentation" conducted by the Department of Electronics and Communication Engineering on 01/08/2020.

Event Coordinator

Head of Department



As a **Medical Devices Sales Professional** specializing in Cardiology, Neurology, Endocrinology and Paediatrics. I help my company to be a prominent player in corporate hospitals, institutions and independent medical facilities.

Over the past 6 years, I've had the opportunity to work with many best hospitals in the state including CMC, Apollo, MIOT, SIMS, SRMC, JIPMER, Aster Medicity, Fortis, Cloud nine, Rainbow, PSG and KMCH.

BHARATH KUMAR SRINIVASAN

Phone:

+91 95433 71684

E-Mail:

ans.bharathkumar@hotmail.com

Skill Highlights

- Leadership
- Project management
- Strong decision maker
- Key Account Management
- Conflict Management
- Innovative
- Service-focused

Languages

English – C2

Tamil – C2

Telugu – C1

Kannada – C1

Hindi – C1

Certifications

Digital Marketing (Certificate):

NMIMS 2017-18

Trainer (Certificate):

Association of Talent Development 2016-17

References

References available on request

Experience

Sales Engineer - Siemens Healthineers, Bangalore (6/14 – 6/17)

- Increased territory sales from less than \$4 million to \$8.2 million within two years, exceeding quota by 12% in 2015 and 15% in 2016.
- Ranked as #1 sales engineer (out of 19) in 2015 & 2016.
- Fostered a robust, sustainable network of buyers from Mumbai to Coimbatore, leveraging strong listening, presentation and closing skills to optimize sales results.

Channel Manager - Procter & Gamble, Chennai (7/17- 3/19)

- Introduced new gasket lines into the market, often closing sight-unseen sales of newly released products.
- Demonstrated an unwavering commitment to customer development, adding new talents while maintaining premium merits with existing employees.

Corporate Manager - USV Pvt Ltd, Chennai (4/19 - till date)

- Handling entire corporate team in medical equipment's liaising business for southern parts of India.

Education

Post Graduate Diploma in Business Administration: Marketing Management - Narsee Monjee University, Mumbai (2019-21).

Master of Business Administration: Operations Management - Madras University, Chennai (2014-16).

Bachelor of Engineering: Electronics & Communication - SVCE, Anna University, Chennai (2010-14).