

BMSCE IEEE in Collaboration with Department of ECE and ML

# OPHTHALMOLOGY IMAGE ANALYSIS

BY DR.SOUMYA RAMANI

DATE : 9<sup>TH</sup> OF OCTOBER 2020

TIME : 3:00 – 4:30

DR K VIJAYALAKSHMI  
HOD DEPT. OF ML  
(8050872783)



DR ARATHI R SHANKAR  
HOD DEPT. OF EC  
(9986504223)

DR SUMA M N  
PROFESSOR DEPT. OF EC  
(9972883916)



# Dr Soumya Ramani

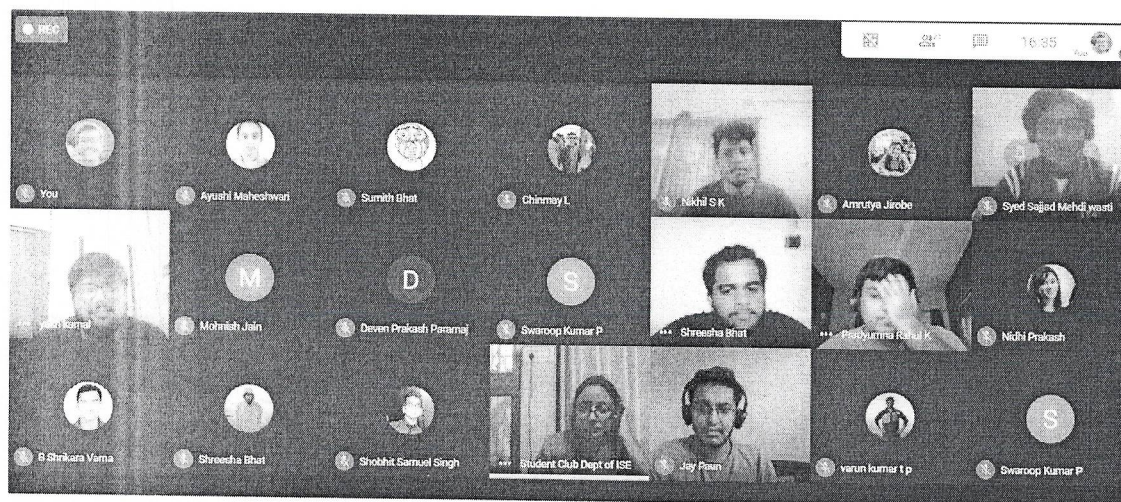
- Schooling in Bangalore
- MBBS-Bangalore Medical College
- MS-Madras Medical College
- Fellow- Sankara Eye Hospital
- Now –Associate Professor-Ramaiah Medical College
- Focus areas in Ophthalmology- Cataract, Paediatric Ophthalmology, Strabismus, innovations
- Member-IIC, Ramaiah Medical College.

*Institute Innovation cell,*



# Ophthalmology Image Analysis

9th of October 2020



On 9th of October 2020, BMSCE IEEE organised a webinar on Ophthalmology Image Analysis in collaboration with the Medical Electronics and Electronics and Communication Department.

The talk was delivered by Dr Soumya Ramani, Associate Professor Department of Ophthalmology, Ramaiah Medical College. She highlighted the importance of systemic eye diseases and prevalent causes of blindness in an industrialised world. She tutored the students on methods for 2-D fundus imaging and techniques for 3-D optical coherence tomography (OCT) imaging.

31 students (21 IEEE members and 10 non-IEEE members) participated in this event. It was followed by a question and answer session where students clarified their doubts and understood the future research in this field.

**Date:** 9th October 2020

**Reported By,**  
Surabhi H N  
Student Activity Coordinator  
BMSCE IEEE SB



Dec 16, 2020

**Innovation for Entrepreneurship by**

**By Suhruth G Ujjaini, Community Manager, IKP Knowledge park, Bengaluru**

**Session by Mr. Suhruth Ujjaini**

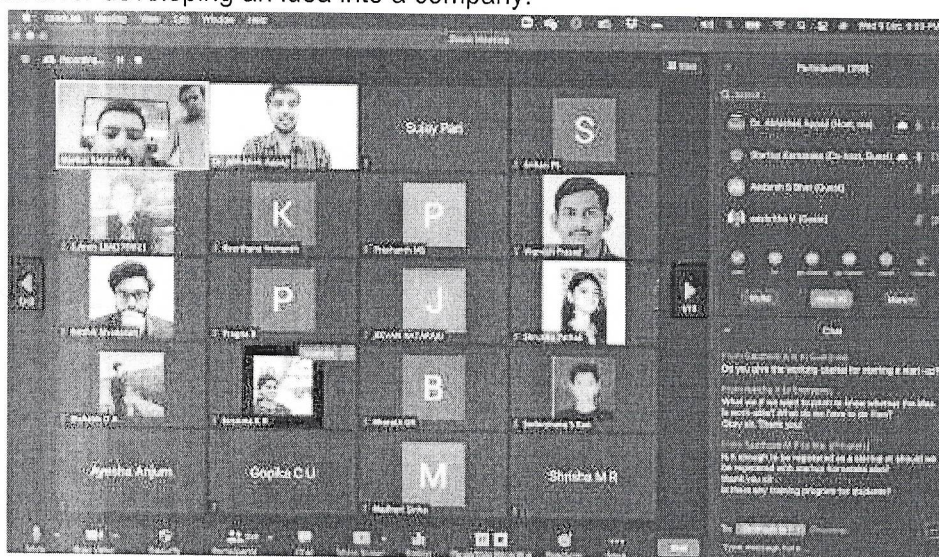
The talk by Mr. Ujjaini was the best utilization of the students' time. Despite being highly qualified, he was kind enough to look into as well as answer every one of our students' questions and queries. The session was entirely informative and interesting. At the end of Mr. Ujjaini's talk, the students could easily visualise the field of entrepreneurship. They understood how everything works from getting the right idea for innovation, all the way till we get our initial funding from investors. His teachings and ideas were completely practical and exactly complimented the theoretical concepts that were taught in the Innovation For Entrepreneurship classes. Students were able to appreciate and understand the process of innovation and entrepreneurship in its entirety. The talk came at exactly the right time, that is, after they had learnt about the steps in Disciplined Entrepreneurship. In conclusion, it was an intriguing and informative session.





**DEC 9, 2020**  
**Innovation for Entrepreneurship by**  
**By Avinash B N and Abrar Ahmed, Startup cell, Govt of Karnataka**

The session that took place on December 9th 2020 was taken over by two guest speakers from the Startup Karnataka initiative namely Mr.Avinash B N- associate- industry partnership and mentoring startup cell GoK and Mr.Abrar Ahmed associate- marketing and outreach startup cell GoK. This session aimed at educating the students about the various policies opportunities provided by the Government of Karnataka for budding entrepreneurs. This initiative has successfully funded 470 companies which aim at solving socio- economic problems with a corpus of 100 crores. The students were given a good insight on the various Centre of Excellences in Karnataka where their ideas are nurtured into a company. Students were also informed about the various competitions that are conducted such as Idea2PoC where a startup competes in order to win a single grant upto 50,00,000 INR. It was also brought to the students notice that the startup cell is currently open to ideas regarding the development of smart cities. The speaker also informed about the 3 incentives provided by the startup cell namely Patent, Marketing and GST. The speaker also mentioned the Global Innovation Alliance policy that allows startups to solve problems present in other countries where the meeting is arranged with the respective officials and the startup. This initiative focuses on the top 19 global startup ecosystems. This informative session ended with a doubt clarification by the students. At the outset, the session instilled all the information on various opportunities and processes provided by the Government of Karnataka for developing an idea into a company.

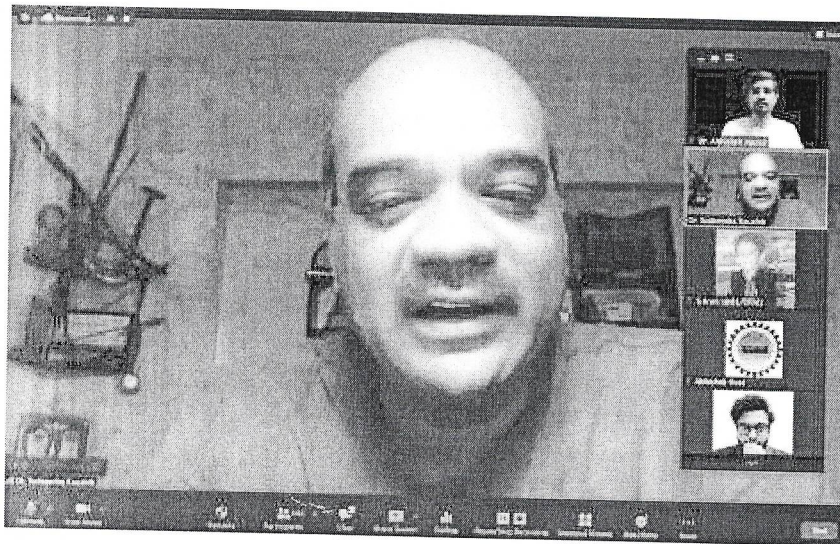




**Nov 4, 2020**

**Recipe for successful startup by Dr. Sudeendra Koushik, CEO Prasu**

The future of employability as professionals in Industry or as Entrepreneurs depends on the ability to be Innovators. A look at what this means for careers as Industry professionals and Entrepreneurs, the skills and behaviours necessary to be successful in our endeavours. This was covered in depth with examples by the speaker.





Oct 14, 2020

**Innovation for Entrepreneurship by Nivedan Nempe, CEO ARECA TEA**

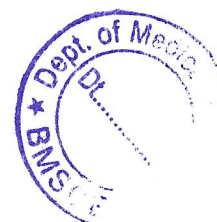
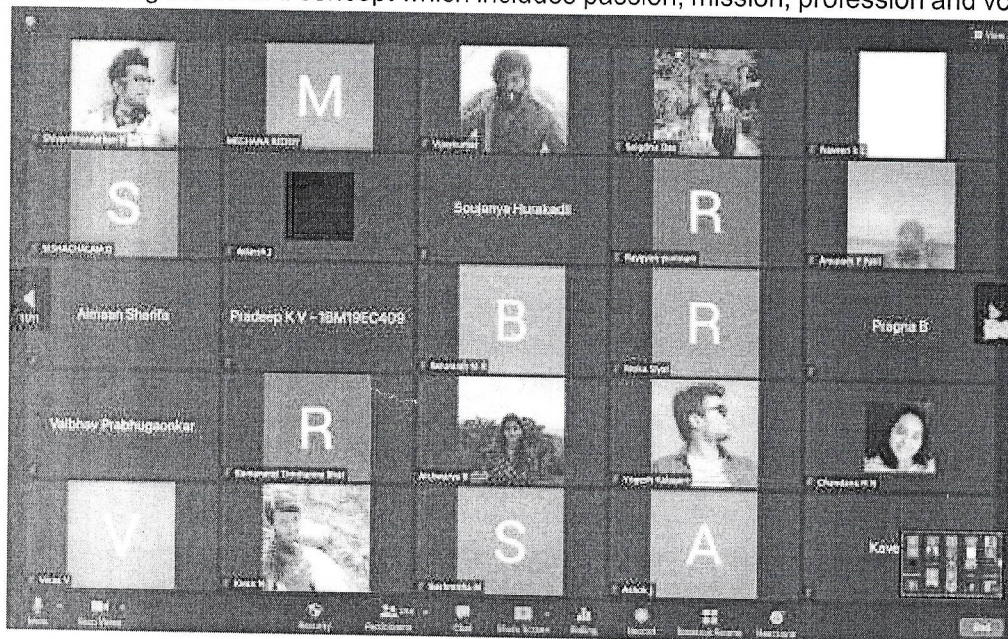
The session was about how Mr. Nempe started his journey as an entrepreneur. He spoke about various steps he took and what made him a successful entrepreneur who is leading in the country. Nivedan started a company called Mystic Aromatics and began manufacturing recycled paper air fresheners alongside doing agricultural product developments. His aim was to help the agricultural community, mainly the farmers produce to be put to use in different ways apart from the conventional consumption of the same. One such product that attracted Nivedan's attention was Areca Nut. He spoke about how this evolved and now he is using this technology to grow crops economically.





Sept 23, 2020  
**Innovation for Entrepreneurship by**  
**Andrew Ngui, Senior Program Manager, MIT USA**

The session was about hacking innovation and life. It gave an insight on tips and tricks from the trenches in entrepreneurship. The session had the details of how to view the world through a solution focused lens and problem based solutions. This depends on the spiraling innovation curve which depends on the effort and time. It is important to test the assumptions. The reason can be found using the IKIGAI concept which includes passion, mission, profession and vocation.

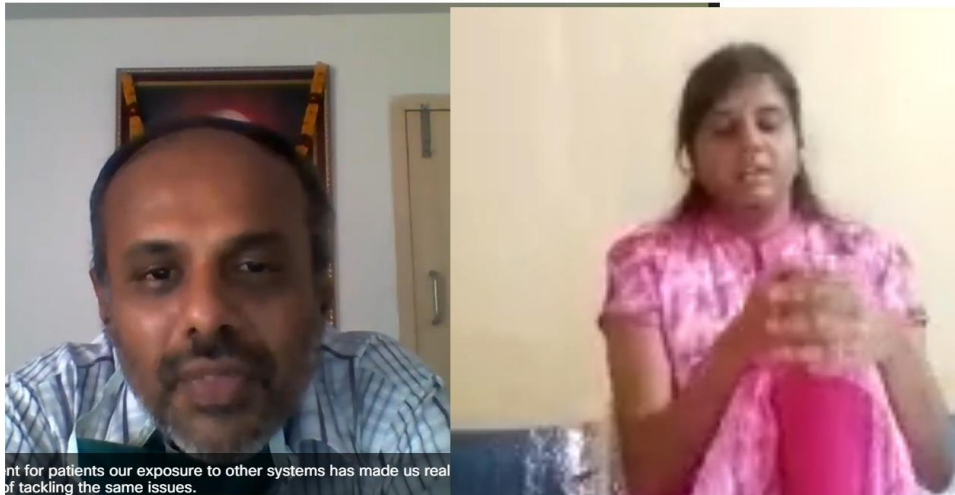




# SHORT TERM TRAINING PROGRAM ON PROTECTION AGAINST PANDEMIC

8th JUNE 2020 - 13th JUNE 2020

IEEE BMSCE STTP on Protecting against pandemic-holistic ...



Dr Rajeshwari Hegde, Department of Telecommunication Engineering and Dr Vijayalakshmi K, Head, Dept. of Medical Electronics organized a one week STTP on “Protection against Pandemic-Holistic Approach towards Health” under BMSCE IEEE and IEEE-SIGHT.

Day 1 : The topic on Healthy Lifestyle was covered by Dr Vanaja, Professor at Sri Venkateshwara Institute of Medical Science, Tirupathi.

Day 2: The topic on “Integrated Breathing Techniques for COVID-19 related Breathing Complaints” was covered by Dr Senthil Kumar Raja Director Fitness Canada Physio and Massage Centre, Canada

Day 3: The topic on “Psychological and Spiritual approach to a pandemic” was covered by Dr Raghu K Consultant Psychiatrist Gleaneagles Global Hospital , Bangalore

Day 4: Yoga session and Chair Yoga Practice were covered by Dr Suhas and Ms Shobha Faculty Sheshadripurm Degree College, Heartfulness Yoga Trainer

Day 5: The topic on “Stress Free Living” was covered by Dr Gangadhar Eluru, Postdoctoral Fellow. Vrije Universiteit, Brussel, Belgium. The session concluded with a short relaxation and meditation session.

Day 6: Sound Therapy for health and wellbeing. Mina Sham, International Yoga and sound Therapist, Bangalore

**Date:** 8th-13th June 2020

**Report by:**

Rahul Krupani

Vice Chair

BMSCE IEEE SB



# B.M.S College Of Engineering

presents

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## "Protecting against pandemic- Holistic Approach towards Health"

June 8 to 13, 2020

11:00 a.m. to 12:00 p.m.

1.4 (1)

### Healthy Lifestyle

Dr Vanajakshama Professor  
Sri Venkateswara Institute of Medical Sciences, Tirupati

8.06.2020



### Psychological and Spiritual approach to a pandemic

Dr Raghu K Consultant Psychiatrist  
Gleaneagles Global Hospital, Bangalore

9.06.2020



### Integrated Breathing Techniques for COVID-19 related Breathing Complaints

Dr Senthil Kumar Raja Director  
Fitness Canada Physio and Massage Centre, Canada

10.06.2020



### Stress Free Living

Dr Gangadhar Eluru Postdoctoral Fellow  
Vrije Universiteit, Brussel, Belgium

11.06.2020



### Chair Yoga Practice

Shobha S Faculty  
Sheshadripuram PU College, Heartfulness Yoga Trainer

12.06.2020



### Sound Therapy for health and wellbeing

Mina Sham  
International Yoga and sound Therapist, Bangalore

13.06.2020



For more details contact :



Dr Rajeshwari Hegde  
Professor, ETE  
BMSCE -IEEE SB Branch Counselor  
(9008355922)



Dr Vijaylakshmi K  
Professor and Head  
Medical Electronics Department  
WIE Treasurer, IEEE Bangalore Section  
(8050872783)

Registration link: <https://tinurl.com/v9i7olwg>





# BMS College of Engineering, Bengaluru

IEEE SIGHT

Special Interest Group on  
Humanitarian Technology



IEEE  
BANGALORE SECTION

## A Short term training programme on " Protecting against pandemic- Holistic Approach towards Health

(IEEE BMSCE student branch, IEEE SIGHT Bangalore section)

Date	Topic/ Theme	Speaker	
8.6.2020	Health and Emotions	Dr Rajalakshmi Founder Health and Emotions	
9.6.2020	Psychological and Spiritual approach to a pandemic	Dr Raghu K Consultant Psychiatrist Gleaneagles Global Hospital , Bangalore, India	
10.6.2020	Integrated Breathing Techniques for COVID-19 related Breathing Complaints	Dr Senthil Kumar Raja Director Fitness Canada Physio and Massage Centre, Canada	
11.6.2020	Stress Free Living	Dr Gangadhar EL Postdoctoral Fel Vrije Universiteit, B Belgium	 
12.6.2020	Healthy Lifestyle	Dr Vanajakshama Professor Sri Venkateswara Institute of Medical Sciences, Tirupati	
13.6.2020	Kair Yoga Practice	Ms Shobha Faculty Sheshadripurm Degree College, Heartfulness Yoga Trainer	

Dr Jayalakshmi  
Professor & Head

Dr Rajeshwari Hegde  
Professor, ETE

Dept. of ML

BMSCE -IEEE SB Branch Counselor



# SHORT TERM TRAINING PROGRAM ON PROTECTION AGAINST PANDEMIC

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for:  
*[Signature]*

