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**Faculty Development Programme  
on  
Development of MOOCs on SWAYAM Platform for Faculty of KSOU**

**Organised by  
Commonwealth Educational Media Centre for Asia (CEMCA)  
and  
Karnataka State Open University (KSOU)**

**(Date: 15-17<sup>th</sup> June 2021)**



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**Report Prepared  
by:  
Dr. G. Mythili**

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SWAYAM is a platform developed in India to offer Massive Open Online Course (MOOC). SWAYAM stands for Study Webs of Active-Learning for Young Aspiring Minds which offer free online courses with minimum fee for examination. This platform is an initiative launched by the Ministry of Human Resource Development, Government of India under Digital India. It facilitates hosting of all the courses, taught in classrooms from Class 9 till post-graduation to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country, more than 1,000 specially chosen faculty and teachers from across the country have participated in preparing these courses ([www.swaysm.gov.in](http://www.swaysm.gov.in)).

In order to provide capacity building to the faculty, CEMCA and KSOU proposed to conduct a Faculty Development Programme on Development of MOOCs on SWAYAM Platform for Faculty of KSOU. The focus of this FDP is to learn four quadrant approaches and will be develop a proposal for online course offer through SWAYAM.

### **Objectives of the FDP**

After completing this FDP, participants will be able to:

- Explain Online Education and courses on SWAYAM;
- Describe quadrant I and develop video content, animations, illustrations, etc;
- Describe quadrant II and write e-contents in text format and use of OER;
- Interact with students through discussion forum;
- Design and develop formative and summative assessment;
- Prepare the proposal for course offer on SWAYAM as per the guidelines.

### **Expected Learning Outcomes**

- The FDP is expected to enhance the knowledge of four quadrant approach of MOOC offer on SWAYAM;
- The participants will able to develop a proposal to offer online course on SWAYAM.

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## Participants

Participants for this programme will be faculty from KSOU.

## Venue and Dates

**Online Sessions: via Zoom. Link will be sent through mail to all the participants and resource persons.**

**The programme will be organized from 15<sup>th</sup> June, 2021 – 17<sup>th</sup> June 2021.**

## Methodology

- All the sessions of the FDP will be delivered through the online using Zoom. All the sessions will be recorded for attendance, monitoring and archival purposes.
- Participants should use their laptops, Smart phones and Head Phones/ earphones as the programme is based on hands-on activities.
- All the Participants are requested to select course of their own discipline to design and develop a proposal for a MOOC to offer on SWAYAM.

## Resource Persons

- Prof. Madhu Parhar, CEMCA
- Dr. G. Mythili, IGNOU

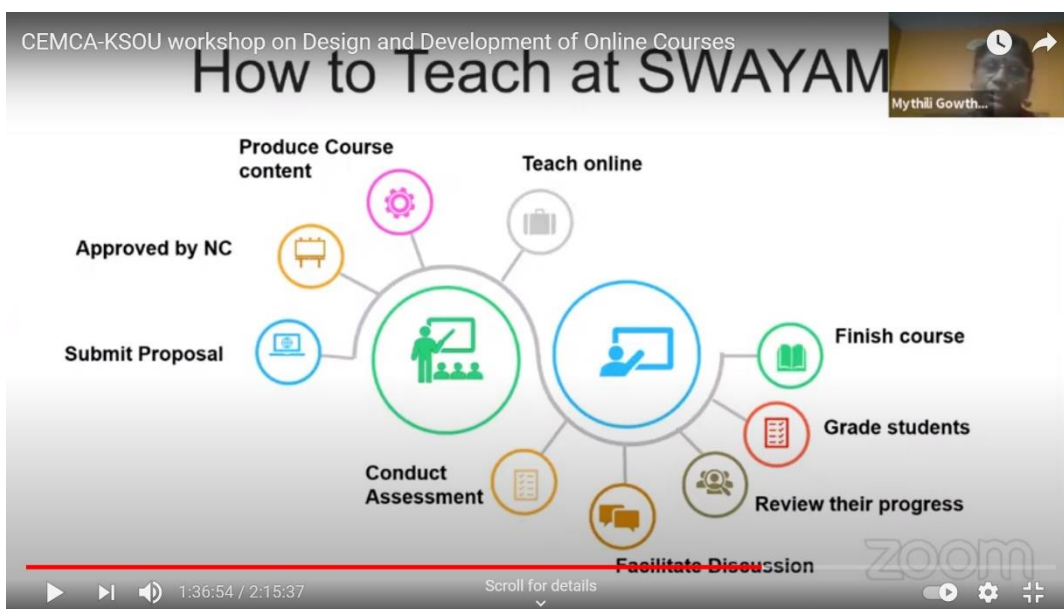
## Day 1: 15.06.2021 Proceedings

During the inauguration of the programme Dr. Sumati Ramakrishna Gowda welcomed all the dignitary of the programme. Dr. Manas Ranjan Panigrahi , SPO-CEMCA gave the welcome address. Prof. Madhu Parhar, Director CEMCA emphasised on the need of the programme and gave a brief overview of KSOU online initiatives. She also enlightened about some major concepts to be covered during the programme. Dr. Vidyashankar S, Hon'ble Vice-Chancellor of the Karnadaka State Open University, appreciated the timely planning of the programme and motivated the participants for taking full benefit from this faculty development programme. He added that KSOU has already some e-content along with that soon KSOU offer online programmes to give full benefits to the students of this university. Dr. Ashok Kamble thanked all the members involved in the programme.

The technical session was started by Prof. Madhu Parhar. She explained the government of India towards online education. She highlighted the why the online education gaining popularity during pandemic as the features of online education includes the internet and smart phone penetration, flexible time, need of the situation. She also touched upon the guidelines of SWAYAM in her short presentation. She discussed the CEMCA initiatives towards online education. She motivated the participants to develop proposals for online course offer on SWAYAM.



Dr. G. Mythili the resource person of the FDP presented introduction to SWAYAM. In her presentation she explained MOOC Vs online courses, explained how content placed on MOOC and online courses and how the content is delivered in MOOC and Online Courses. She highlighted that how to learn at SWAYAM and How to teach at SWAYAM. Four quadrant approach was explained in align with the objectives of the FDP. She covered how to prepare proposal of MOOC on SWAYAM. Explained the requirements of proposal and discussed course title, course objectives, outlines of the course, pre-requirement, eligibility of the course. Credit system of MOOC was explained by the resource person and asked the participants visit to [www.swayam.gov.in](http://www.swayam.gov.in) to explore various courses available in different discipline. She also asked the participants to focused on proposal to prepare 2 or 4 credit courses.



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## Day 2: 16.06.2021 Proceedings

Technical session of day two was on four quadrant approaches. Dr. G Mythili, explained first quadrant that is e- tutorial in detail. E tutorial deals with the video programmes of modules/units of the course. She discussed the video components such as textual, image /graphics, screen capturing, animation and audio. Further she highlighted different video formats: lecture-based presentation, talk show/panels, demonstration, interview, illustrated talk, documentary, training instructional videos, docu-dramas, awareness videos, advertising videos and videos for children. She also touched upon pre-production, production and post production of video design and development in order to visualize the video formats, sample videos which are developed for Swayam was demonstrated by the resource person. She further explained how to place the list of video programmes in the proposal for selected courses. While explaining the quadrant -2 which is E- content, the resource person explained various formats of e-content such as self-learning material, case studies, books /e -books, web resources, research paper& journals, illustration/presentation and historical development of subject/articles. She demonstrated e – book format which is available on UGC website. Subsequently she demonstrated QR code generator and ask the participant to download QR scanner on mobile to scan QR pattern to read the content.

Later she explained quadrant -3 which is discussion forum. She explained how to use the discussion forum and what are the uses of discussion forum on online platform. Dr Mythili asked the participants to update the proposal by including details of video lectures and e-content. At end of day -2 of FDP the participants were asked to update the proposal.

## Day 3: 17.06.2021 Proceedings

Day- 3 was started with presentation on quadrant-4 on assessment The resource person Dr G mythili explained summative assessment, online examination trends, online formative assessment, online assessment tools. She discussed role of NTA (National Testing Agency) by conducting online examination, question paper development, online answer script evaluation in detail. She highlighted principle of effective online assessment and quality of online assessment. She discussed various formats of formative assessment such self-assessment, peer assessment, concept mapping, online class assessment technique, online discussion forum, blogging and learning journals and wiki for assessment. Activity on assessment was done using Kahoot. Participants attempted online quiz using Kahoot. The Moodle learning management system was explained and demonstrated as learning environment for offering online courses. Day -3 ended with valedictory session addressed by professor Madhu Prahar. The workshop report was done by Dr Sumathi. Dr Ashok Kamle thanked all participants and the organizers for successful completion of FDP.

### **FDP Activities**

#### ***Pre FDP Activities (13-14, June 2021):***

Participants joined the WhatsApp group, start sharing the view of selection of course on respective discipline. List of course title were collected through Google Form (enclosed).

#### ***During FDP (15-17, June 2021):***

Day 1: Finalized the course (title, credits, Background/Introduction, Objectives of the course, write about Coordinator brief

Day 2: Worked on Quadrant I and II

Day 3: Worked on Quadrant III and IV

Post FDP (18-19, June 2021):

Finalising the proposal and submission

### List of Course Titles

Your Name	Course Title	Course Credits
Manjunatha C S	Geomorphology	4
Dr Mahesha V	Personal Financial Management	2
Dr. Hemalatha M.S.	Human Nutrition and Biochemistry	4
Dr. J.S. Chandrashekar	Environmental impact assessment of land site development for solid waste management	4
Chaya R	Human Resource management	4
Dr N. G. RAJU	Plant tissue culture technology	2
suneetha	Operating system	2
Usha C	Business Taxation and GST	4
B PanduRanga Narasimharao	Biology of Ethics	2
Dr.R.H.Pavithra	Rural development	2
Dr. Niranjan Raj S	Organic farming for sustainable agricultural production	2
Dr Shailesh Raj Urs G B	Media laws	4
Dr.Appaji gowda	Three major races of the world	2
Dr. Sukanya. R	"Banking and Insurance"	2
Dr N C Sujatha	Harappan culture	4
Dr. Srikanth. S	Introduction To Twentieth Century English Literature	2
Dr.Srikanth.S	Introduction To Twentieth Century English Literature	2
Rajeshwari H	Total Quality Management	2
Dr. Sumati Ramakrishna Gowda	Computer Science	8
Dr T. M. GEETHANJALI	Modern Kannada Literature (poetry)	4
Dr.Jayapal H R	Classical Sociological Tradition	2
Dr. Shilpa Rani N R	ICT in Library Science	4
Prof.C.Mahadeva Murthy	Entrepreneurship Development and Small Business	4
Dr. Rashmi B S	Digital Electronics	2
NANDINI H M	C Programming	2
Janhavi	Introduction to IPR	4
Dr. Madhura A S	An Introduction to Holocaust Literature	2
Dr.naganna.d	Kannada literary criticism	1
Dr.naganna.d	Kannada literary criticism	1
Dr. Nataraju.G	Literary Criticism	2
Dr.Chinnaiah P M	Finance for Nonfinance Managers	4
Dr.Ramya S	Methods in Social Research	4

Prof. M. Ramanatham Naidu	Aadhikavi Nannaiah	2
Dr.Krishnappa. N	Evaluation in Education	4

## Participants Feedback

### Participants Feedback Report

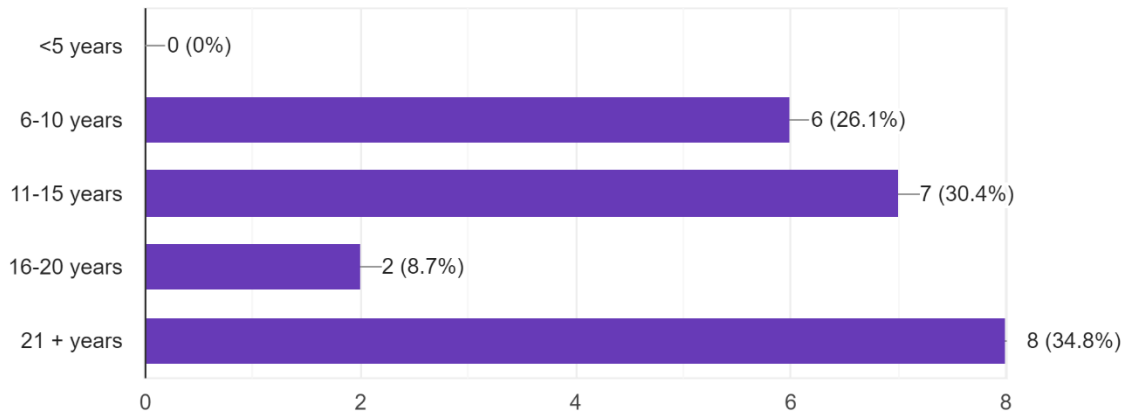
A feedback form was design and distributed to the participants to collect their feedback about the FDP. The important feedback was highlighted here.

### Participants Experiences

The analysis revealed that experiences of the participants, 34.8% of the KSOU faculty have 21+ years, 8.7% have less than 16-20 years experiences and only 30.4% have 11-15years experiences this shows that KSOU faculty were keen to learn and are expected to design and develop courses for the Swayam portal.

#### Experience

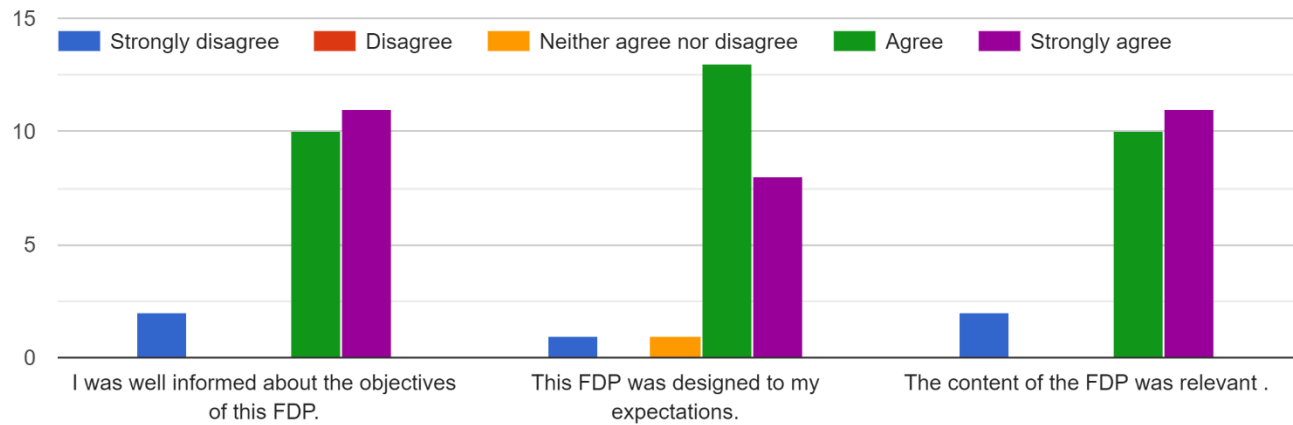
23 responses



### Participant’s View on Programme Content

The KSOU faculty replied on the content of the programme. Out of 23 participants, 11 were strongly agreed and 10 were agreed that the objectives of the workshop were well informed to them. 13 were strongly agreed and 8 were agreed that the workshop was designed to their expectations. 11 were strongly agreed and 10 were agreed that the content of workshop was relevant. 2 participants were not satisfaction with the content of the FDP.

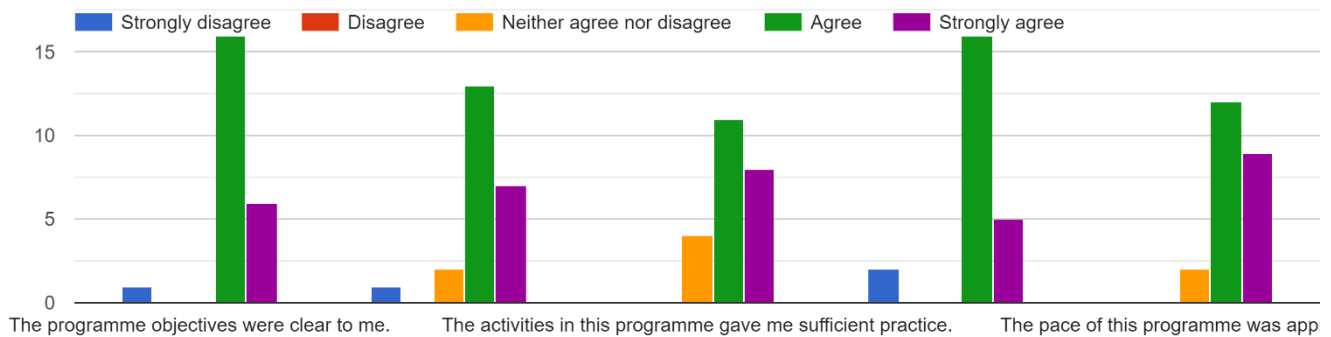
Programme Content (Please click your response to the items. Rate aspects of the programme on a 1 to 5 scale)



### Participant’s View on Programme Design

While analyzing the reply of design of the FDP, 16 agreed and 6 participants strongly agreed that the objectives of the FDP were clear and the pace of the FDP also appropriately organized. 13 participants agreed and 7 strongly agreed that demonstrations in this programme gave sufficient inputs They said that adequate time had given to practice time for activities. This is because of the design of the FDP as half of day was given to practice the activities which are monitored through WhatsApp.

Programme Design (Please click your response to the items. Rate aspects of the programme on a 1 to 5 scale)



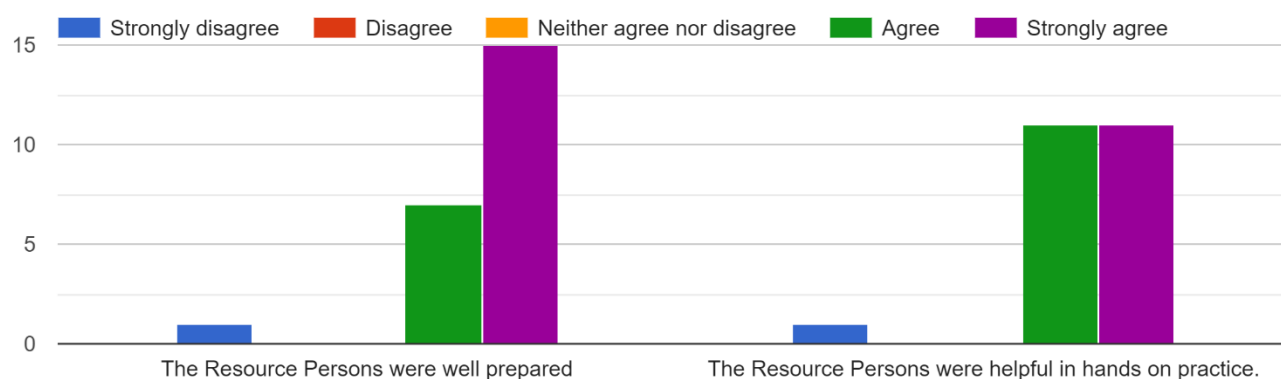


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## Participant's View on Programme Design

Most of the participants of the FDP expressed that the resource persons of the FDP were well prepared for their sessions and helped to prepare proposal for SWAYAM.

Resource Persons (Please click your response to the items. Rate aspects of the programme on a 1 to 5 scale)



While answer to the question how would improve this programme, the following

- Clarify the programme objectives before the programme;
- Make programme activities more stimulating;
- Add more video to the programme;
- Update the content covered in the programme;
- Provide better information before the programme;

The following were the improvements/suggestions recommended by the participants:

- Each and every one should get to present their proposal.
- Face to face training is needed
- Give gap and more time to activities (take home) in between the presentations
- More practice. Time gap between the presentation
- Need time to design and university need to set up facility for video recording and editing
- Overall benefited.
- Very well organised and it was very informative, need face to face workshop in future.
- Well organised.

## Programme Schedule

Day 1: 15.06. 2021				
S. No	Time	Activity Session	Experts	Outcome
1	11.00am-11.20am	<p style="text-align: center;"><b>Inauguration</b></p> <p><b>Welcome</b></p> <p><b>Introduction: Workshop Overview</b></p> <p><b>Address by Director, CEMCA</b></p> <p><b>Address by Vice-Chancellor, KSOU</b></p> <p><b>Vote of Thanks</b></p>	<p><b>Dr. Sumati, KSOU</b></p> <p><b>Dr. Manas R. Panigrahi, CEMCA</b></p> <p><b>Prof. Madhu Parhar, CEMCA</b></p> <p><b>Vice Chancellor, KSOU</b></p>	
2	11.20am-11.40am	<p>India Initiative towards Online Education</p> <p>Guidelines of MHRD for SWAYAM and</p> <p>MOOCs: CEMCA Initiatives</p>	<b>Prof. Madhu Parhar</b>	<p>Awareness of India Initiative towards Online Education and</p> <p><b>Guidelines of MHRD for SWAYAM</b></p> <p><b>Awareness of CEMCA/COL involvement towards development of MOOCs</b></p>
3	11.40am-11.50am	<b>Break</b>		
4	11.50am-01.00pm	<p><b>Introduction to SWAYAM</b></p> <p><b>Select of course for SWAYAM</b></p>	<b>Dr. G. Mythili</b>	<p><b>SWAYAM guidelines, Four Quadrant Approach, Proposal for SWAYAM Courses</b></p>
Day 2: 16.06.2021				
5	11.00am-11.40am	e-Tutorial (SWAYAM Quadrant I)	<b>Dr. G. Mythili</b>	<p><b>Teaching through video, animation, PowerPoint</b></p>

				presentation, Podcast etc
	<b>11.40am- 11.50am</b>	<b>Break</b>		
<b>6</b>	<b>11.50am - 12.15pm</b>	<b>e- Content (SWAYAM Quadrant II)</b>	<b>Dr. G. Mythili</b>	<b>e-books, illustrations, Case studies, Open source content, Reference link, further reading sources</b>
<b>7</b>	<b>12.15pm- 1.00pm</b>	<b>Discussion Forum (SWAYAM Quadrant III)</b>	<b>Dr. G. Mythili</b>	<b>Interaction with students to students and students to teacher</b>
<b>Day 3: 17.06.2021</b>				
<b>8</b>	<b>10.30am- 11.30am</b>	<b>Assessment (SWAYAM Quadrant IV)</b>	<b>Dr. G. Mythili</b>	<b>Create an assignment for the online course; Design Assessment Questions; Learn Formative and Summative Evaluation</b>
	<b>11.40am- 11.50am</b>	<b>Break</b>		
<b>9</b>	<b>11.50am- 12.35pm</b>	<b>Learning Management System</b>	<b>Dr. G. Mythili</b>	<b>Features of MOODLE  Features of SWAYAM</b>
<b>10</b>	<b>12.35pm- 01.00pm</b>	<b>Valedictory</b>	<b>Dr. Sumati  VC, KSOU  Prof. Madhu Parhar  Dr Manas R. Panigrahi</b>	<b>Way Forward</b>

**Coordinator: Dr. Sumati Ramakrishna Gowda, Assistant Professor, KSOU and Dr. Manas R. Panigrahi, Senior Programme Officer, CEMCA**

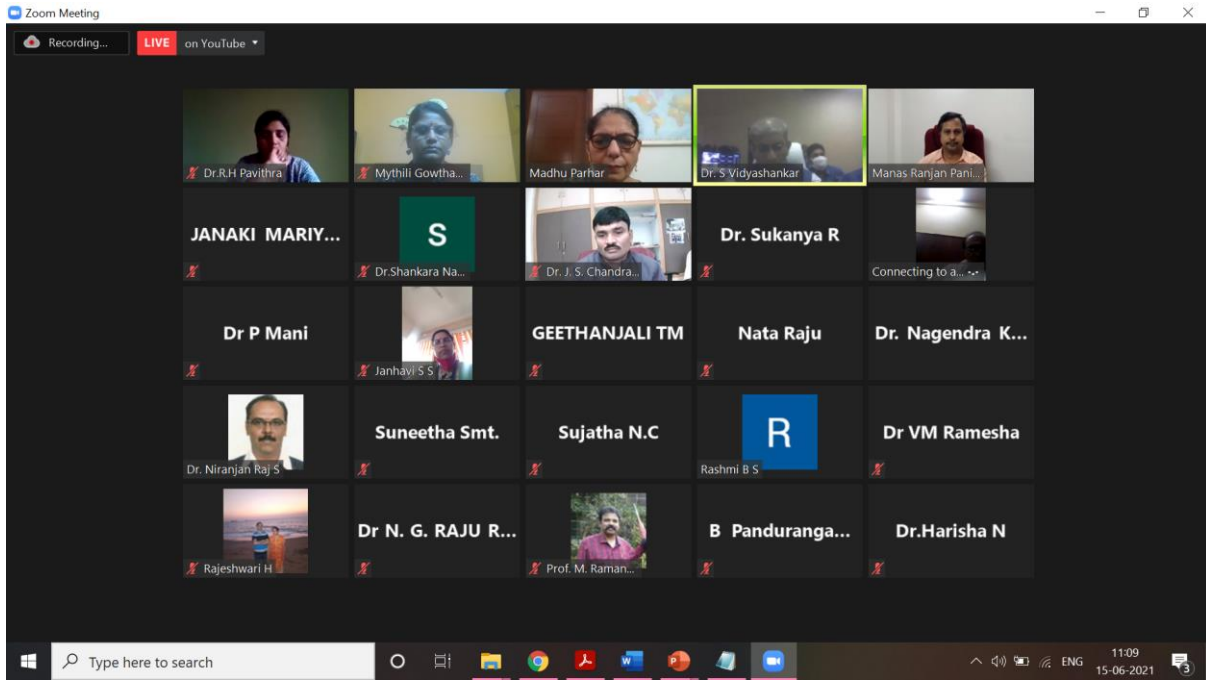
## List of Participants

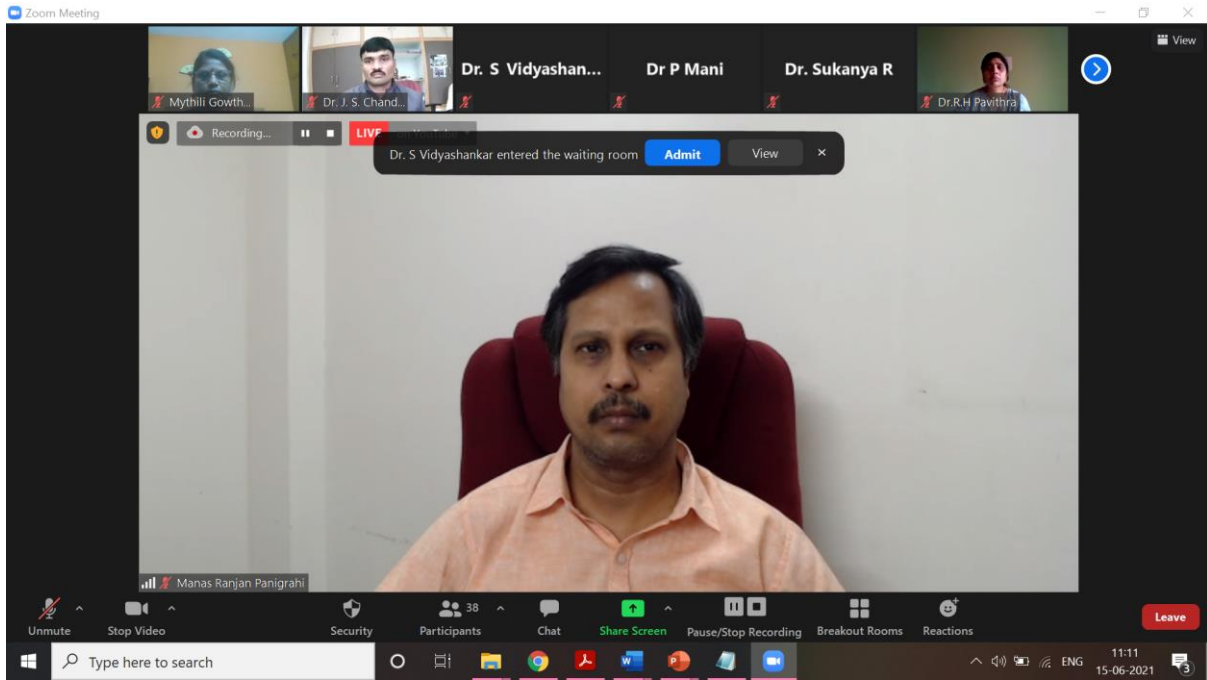
Sl No	Your Name	Your Email Id
1.	Manjunatha C S	geomanju.ksou@gmail.com
2.	Dr Mahesha V	maheshmcom69@gmail.com
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4.	Dr. J.S. Chandrashekar	jnuchandu@gmail.com
5.	Chaya R	chayajkmanjunath@gmail.com
6.	Dr N. G. RAJU	rajungdr@gmail.com
7.	suneetha	suneethaycm@gmail.com
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# Photo Gallery







**Dr. Ashok Kamle**

