



## **Internal Quality Assurance Cell (IQAC)**

**Koneru Lakshmaiah Education Foundation**

**Greenfields, Vaddeswaram, GUNTUR – 522 502**

Report on the 1-day Webinar conducted Online by IQAC, KLEF on "Quality Enhancement and Sustenance in Higher Education Institutions" on 19<sup>th</sup> September 2020.

### **Resource Persons:**

1. Dr Dev Prakash Agrawal, Former Chairman, UPSC.
2. Dr Venkat Barla, Professor & Director, Center for Advanced Research, Hyderabad.
3. Dr P. Sojan Lal, Principal, MBITS, Kerala.
4. Dr Satish Vasu Kailas, Professor of Mechanical Engg & In-charge (IQAC), IISc, Bangalore.

In view of the Covid-19 pandemic, the one-day seminar on Quality in Higher Education Institutions is conducted online.

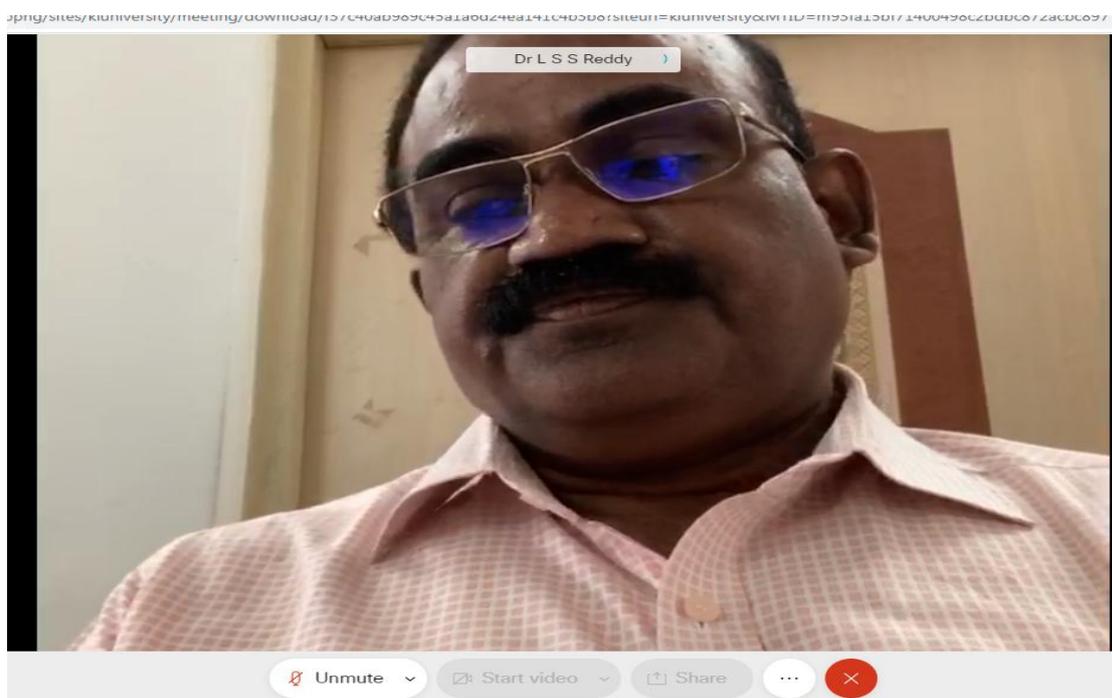
Dr B. Siva Nagaiah, Vice-principal, Academic Staff College (ASC), KLEF has welcomed the Guests and Participants and raised the curtain for the webinar. For the benefit of outside participants (from other colleges with in AP and other states), he spoke briefly about KLEF and its achievements in a short span of 11 years after becoming Deemed University in 2009.

Dr K. Ramakrishna, Dean-Quality welcomed the Invited speakers, the Chief Guest, Dr L S S Reddy, Hon'ble Vice-Chancellor, KLEF, the Registrar, KLEF, Deans, HODs and Faculty of KLEF and hundreds of participants, who have registered for the webinar online.

Dr Ramakrishna informed the audience that among the 993 Universities, 40,000+ Colleges, which includes 10,700 Standalone colleges in India, only 12-13% of them have gone for accreditation, which is a very small proportion. Also, the Gross Enrolment Ratio (GER) for the age group of 18-23 is around 27%, which is very less compared to some of the other countries, viz. South Korea (94%), USA (85%) and China (51%). Another issue concerning the quality is that only 20% of the output from the HEIs are employable. The rest lack the skill set required to get placed. Also, the National Educational Policy-2020 envisages that the GER should be increased to 50% by 2030. But with 64% of all HEIs and 60% of the students belonging to private sector presently, the goal seems to be quite a challenging one!



Dr L S S Reddy, Hon'ble Vice-Chancellor, in his inaugural address, stressed the importance of teachers in providing quality education. He congratulated IQAC for choosing the theme of "Quality Enhancement and Sustenance in HEIs" (QESH) for this one-day seminar.



Dr Reddy underlined the need for the teaching community to feel responsible for all stakeholders, viz. students, parents, industry and society. He urged all faculty to have concern for students and support them for their all-round development. He underlined the fact that the Quality of education is directly related to the quality of the faculty.

Dr Reddy expressed concern over the fact that many faculty, after obtaining their Doctoral Degrees, are not focusing on Research. Research is the only thing that

improves the profile of any Faculty. He reiterated that Faculty make all the difference and Quality has no finish line. Quality is a continuous Journey. Finally, Dr Reddy appreciated the Dean-Quality and his team for identifying high-quality Resource persons for this one-day Webinar.

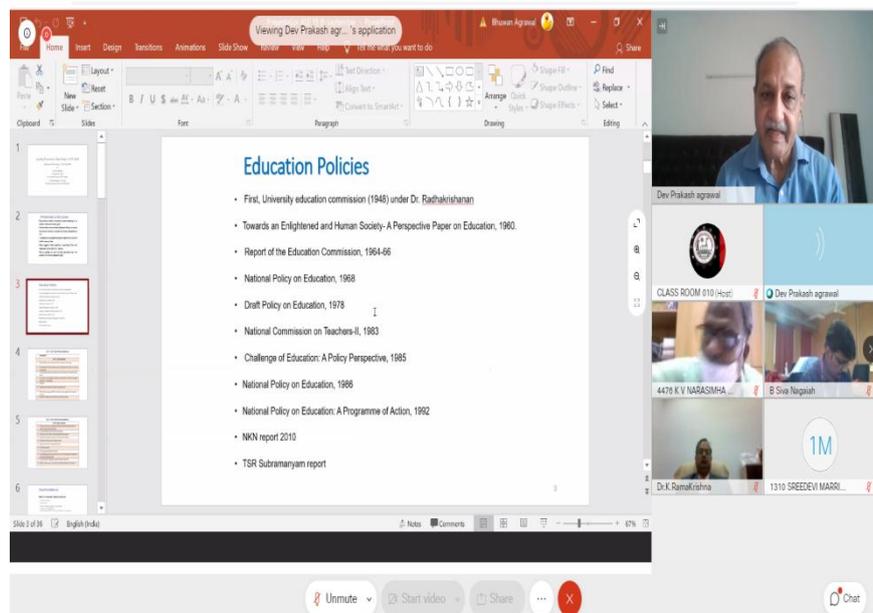
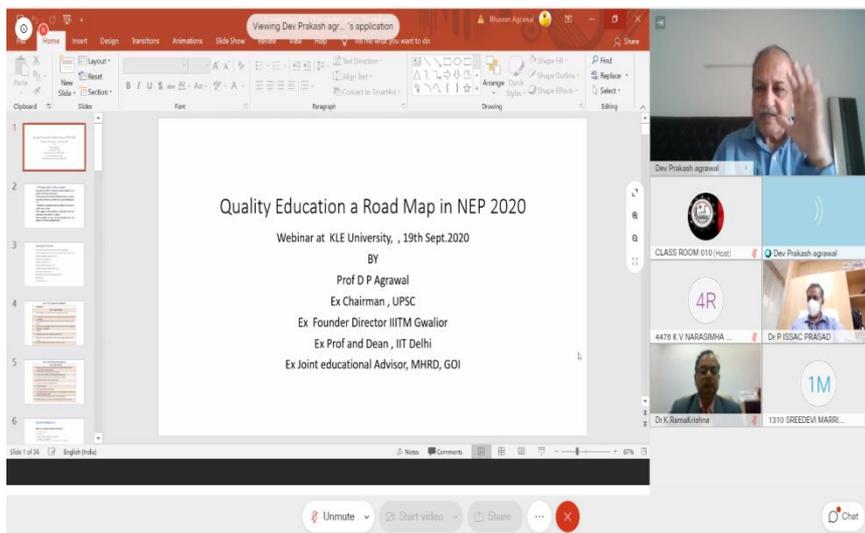
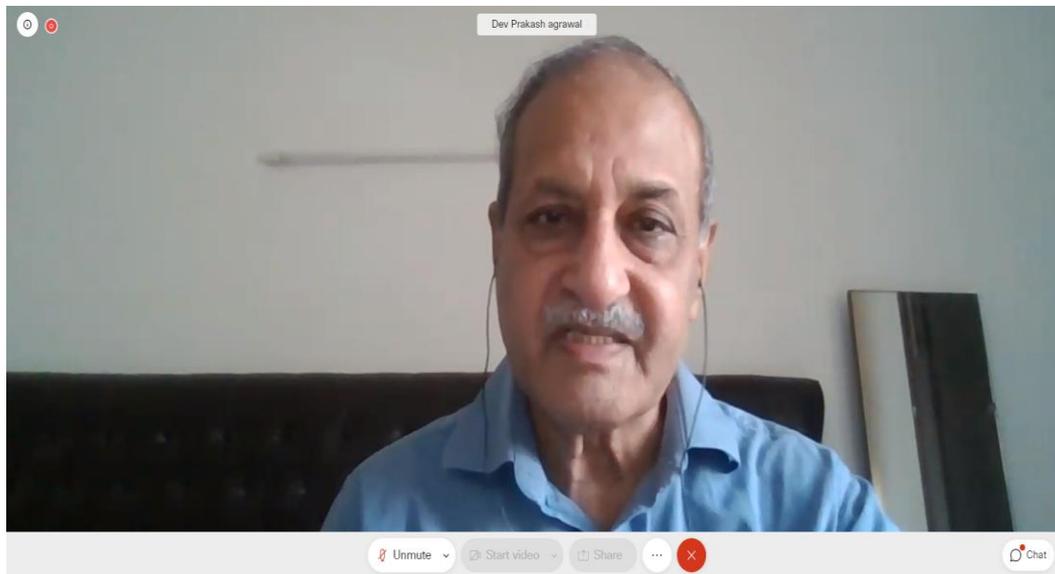
The Registrar, KLEF, Dr Y V S S S V Prasada Rao, in his address, has defined the "quality" and gave few definitions given by some of the renowned Management Gurus. He stated that Quality will not happen by Accident. Quality is to be maintained in every academic and non-academic process. All Higher Education Institution has to strengthen all organs of the Institution to achieve quality. He hoped that "Reverse Brain-drain" will happen in the coming years, particularly with the implementation of the NEP-2020. He wished the QESH-2020 a grand success.



Dr B Siva Nagaiah, Principal-ASC has introduced the first Invited Speaker, Dr Dev Prakash Agrawal, a leading Speaker on Quality Education, former Chairman, UPSC, to the Audience. Dr D P Agrawal has held many responsible positions in the Government in the field of Higher Education and has over 40 years of experience.



Dr D P Agrawal delivered the Keynote address on "Quality Education – A Road map in National Education Policy 2020". He appreciated the efforts of the Management of KLEF for achieving NAAC A++ Grade and Category- 1 Status by the UGC. He stressed the need for quality teachers and the quality of the final product, i. e. student, which directly depends on the quality of the teachers, who taught him through the course of study.



Dr Agrawal informed the participants that the Resources are limited, particularly in higher education in the country. However, it is a challenge to conduct quality research and provide quality education with the available resources. Dr Agrawal spoke about optimal learning, i. e. optimal utilization of resources and achieve quality education. The NEP-2020 Framework is made for 20 years, i. e. 2020-2040. Salient features of NEP-2020 have been explained. Dr Agrawal spoke about different Policies brought by various Central Governments since Independence.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "NEP 2020 Recommendations". The slide content is as follows:

Introduction	
<b>Part I : School Education</b>	
1	Early Childhood Care & Education: The Foundation of Learning
2	Foundational Literacy and Numeracy: An Urgent and Necessary Prerequisite to Learning
3	Curtailing Dropout Rates and Ensuring Universal Access to Education at All levels
4	Curriculum and Pedagogy in School; Learning should be Holistic, Integrated, Enjoyable, and Engaging
5	Teachers
6	Equitable and Inclusive Education: Learning for All
7	Efficient Resourcing and Effective Governance through School Complexes / Clusters
8	Standard-setting and Accreditation for School Education

The Zoom interface includes a top toolbar with "Unmute", "Start video", and "Share" buttons. A video grid on the right shows participants: Dev Prakash agrawal (muted), CLASS ROOM 010 (Host), Dr.K.Ramakrishna, 1310 SREEDEVI MARRI..., 1379 Dr. K.V.DURGA KI..., and 1745 Yedukondalu Gan... The status bar at the bottom indicates "Slide 4 of 36" and "English (India)".

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "NEP 2020 Recommendations". The slide content is as follows:

Part II: Higher Education	
9	Quality University and Colleges: A New and Forward Looking Vision for India's Higher Education System
10	Institutional Restructuring and Consolidation
11	Towards a more Holistic and Multidisciplinary Education
12	Optimal Learning Environments and Support for Students
13	Motivated, Energized and Capable Faculty
14	Equity and Inclusion in Higher Education
15	Teacher Education
16	Re-imagining Vocational Education
17	Catalyzing Quality Academic Research in all Fields through a New National Research Foundation (NRF)
18	Transforming the Regulatory System of Higher Education
19	Effective Governance and Leadership for Higher Education Institutions

The Zoom interface includes a top toolbar with "Unmute", "Start video", and "Share" buttons. A video grid on the right shows participants: Dev Prakash agrawal (muted), CLASS ROOM 010 (Host), Dr.K.Ramakrishna, 1310 SREEDEVI MARRI..., 1379 Dr. K.V.DURGA KI..., and 1745 Yedukondalu Gan... The status bar at the bottom indicates "Slide 5 of 36" and "English (India)".

The First Educational Policy in the Independent India was drafted by one of the greatest teachers, Dr Sarvepalli Radhakrishnan (Committee) in 1948. The previous Education policy was adapted in 1992 (NEP-1992).

Dr Agrawal stressed the importance of Academic Freedom for the Vice-Chancellors/Directors/Heads of Institutions to start new courses. Institutions evolve over a period of time. It takes few decades for new higher education Institutions to become great Institutions. The Regulatory framework is to be revisited by the concerned authorities.

Viewing Dev Prakash agr... 's application | Bhuwan Agrawal

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Clipboard Paste New Slide Section Slides

Font Paragraph Drawing

Dev Prakash agrawal

### Input output link of Education

```

    graph LR
      subgraph INPUT
        I1[Societal needs]
        I2[Knowledge]
        I3[Technology]
        I4[Resources]
        I5[Enrolment]
      end
      subgraph CENTRAL
        C1[Curriculum]
        C2[Learning]
        C3[Teaching]
        C4[Assesment]
        C5[Staffing]
      end
      subgraph OUTPUT
        O1[Results]
        O2[Profile]
        O3[Employability]
        O4[On-job-success]
        O5[Workplace]
      end
      FEEDBACK[FEEDBACK]
      INPUT --> CENTRAL
      CENTRAL --> OUTPUT
      OUTPUT --> FEEDBACK
      FEEDBACK --> INPUT
  
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Slide 10 of 36 English (India) Notes Comments 67%

Unmute Start video Share

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Font Paragraph Drawing

Dev Prakash agrawal

### Education Process

- Multi entry and exit opportunity: highly mixed population of students , the age gaps are bound to be there, more mature students ,
- Access is enhanced
- Multi and interdisciplinary
- Size of the institute : size and quality of teams , able to handle bigger and complex projects
- Teaching methodology: group and individual focussed, teacher freedom to evolve different approach by different students. In class and out side class learning , field activities. Must ensure learning.
- Self learning ,Experiential learning, learning while working , laboratory based learning, all round personality development , cocurricular and extra curricular, Internship

Slide 12 of 36 English (India) Notes Comments 67%

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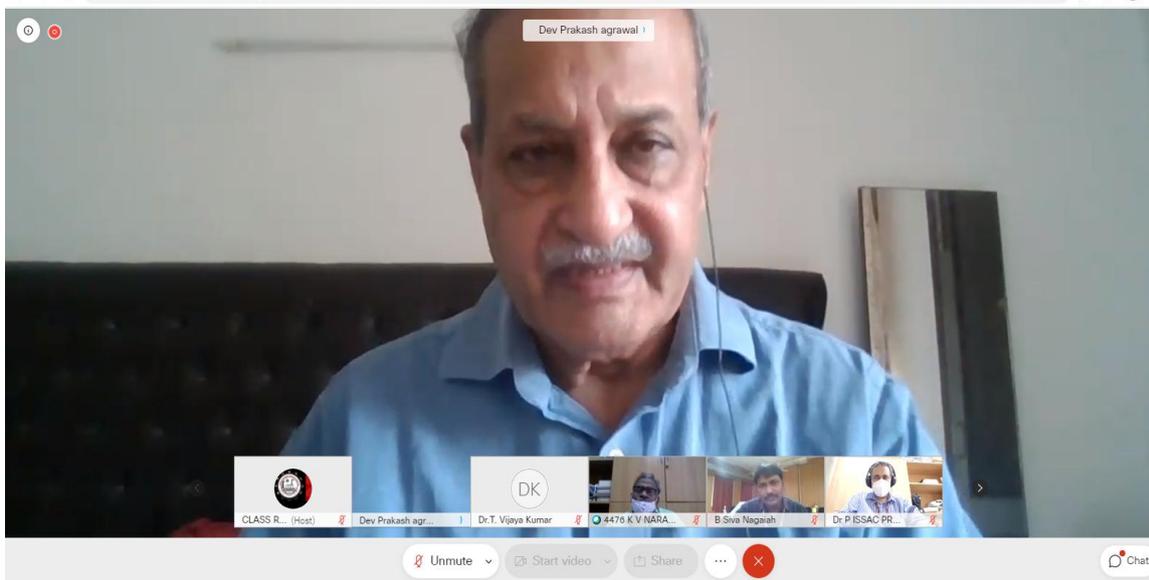
Dr Agrawal spoke about the Dropouts at school level, which is mentioned in the NEP-202: Part I: School Education. He talked about the importance of vocational education and appealed to the teaching community to make the students learn. Dr Agrawal explained briefly the principles of NEP-2020. Diversity is lacking in Programs and parental pressure is one of the reasons for it. Holistic education in a multi-disciplinary way is the need of the hour. Flexibility of credits and credit transfer are important. Flexibilities in core and professional electives and subjects from sciences & humanities is also important. The Curriculum should consist of creativity and critical thinking, ethics and human values, Indian constitution, life skills and regular formative assessment for learning.

The screenshot shows a Zoom meeting in progress. The main content is a PowerPoint slide titled "Learning outside the class room". The slide contains the following bulleted text:

- Educational institutions will send students to study the renowned destinations to learn their history, scientific contributions, traditions, indigenous literature and knowledge, etc., as a part of augmenting their knowledge about these areas. Know the country and its history adds a positive dimension to the personality
- They will interact with elder persons , farmers artisans, artists and young persons
- Identify problems for solving them for society benefit.
- Vibrant campus life enables high-quality learning and personality development processes. Students be given plenty of opportunities for participation in sports, culture/arts clubs, eco-clubs, activity clubs, community service projects, etc. for their holistic development .
- Due credits must be assigned for learning out side the class room.

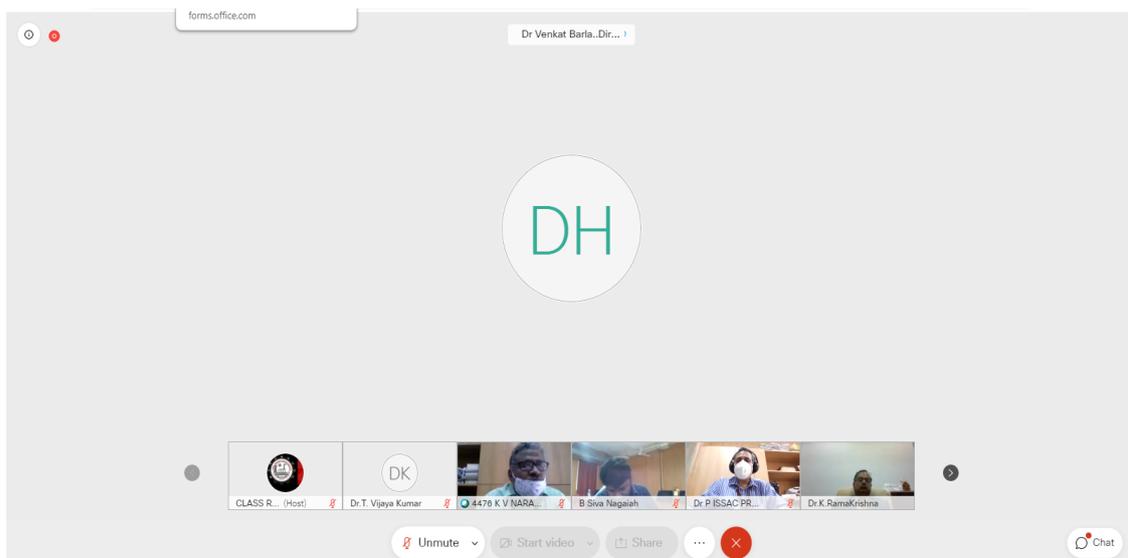
The Zoom interface at the bottom shows a toolbar with buttons for "Unmute", "Start video", "Share", and "Chat". The status bar indicates "Slide 16 of 36" and "English (India)".

Dr Agrawal concluded with Input-Output link of Education. Students of mixed abilities are the inputs. Faculty aspects include: recruitment process, training, reward, retention, development, etc. Separate faculty should be identified to deal with Academics (Teaching main) and Research depending on their ability and interest. Physical resources including technology tools are also very important. Ultimately the higher education should include societal needs and meet the expectations of the Nation. Key for quality includes: Curriculum design, pedagogy vis-à-vis communication, Research, Inter-disciplinary subjects, Internships with local Industry.



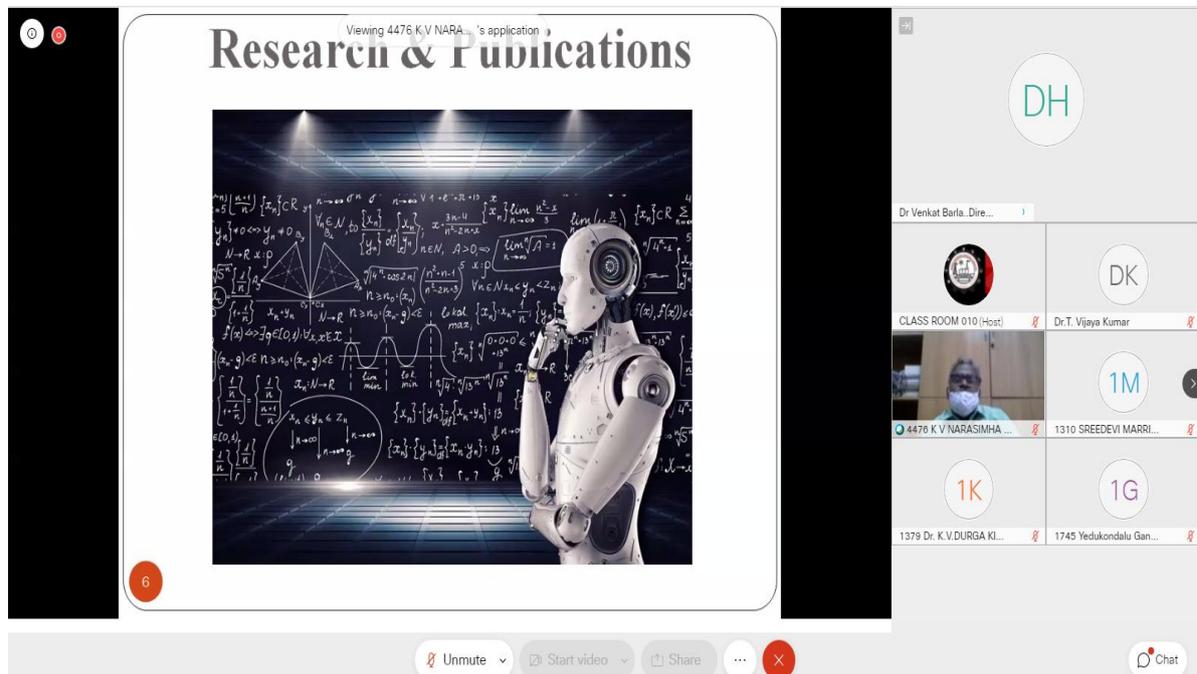
Dr Agrawal answered few questions raised by the audience. Dr Siva Nagaiah has acted as moderator for all the sessions. He then introduced Dr Venkat Barla, the second Speaker, who has over 40 years of experience and presently working as Professor and Director, Centre for Applied Research, Hyderabad, who is an alumnus of NIT Warangal, Osmania university and IIM Ahmedabad. Dr Barla spoke on Quality Issues in NBA/NAAC/NIRF Accreditation process;

Dr Barla spoke on obtaining the importance of quality education. He illustrated himself as an example of obtaining quality higher education (from reputed Institutions, viz. NITW & IIMA), which made him a Boss for some of his seniors early in his career.

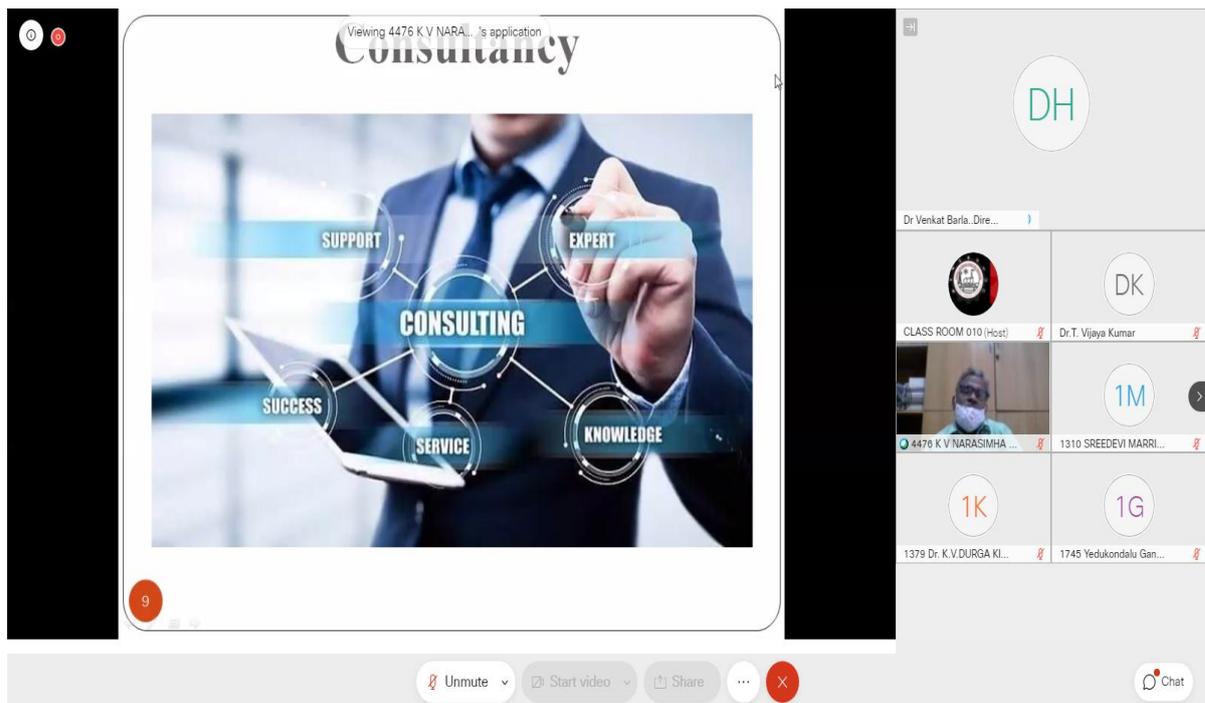


Dr Barla expressed his concern for the fact that the Best minds available are taking up Teaching profession. The prime reason for this scenario is poor remuneration in Teaching profession. He suggested that the Teaching Faculty in HEIs should be paid salaries ranging from 1-3 Lakh for Assistant/Associate and Full Professors. On the other hand, the quality of input students at entry level is at best a mixed bag of things. The qualifying examinations are failing to provide good quality input (admissions) for HEIs. He added that the very fact that many I Year students are failing in subjects like Mathematics, Engineering Drawing, etc. strengthens the argument that the input quality is not good. The system should ensure that right students take up right courses.

Research is one of the areas, where most Institutions (autonomous Institutes, in particular) are failing to get good scores in NBA/NAAC/NIRF. Sufficient time should be provided for faculty to focus on Research. Teaching and Research are two sides of the same coin. Targets could be set for faculty to publish, say, 2 papers in reputed Journals, like, SCI/Scopus indexed Journals. There should be a Research day, which will be a no-classwork day for all faculty to concentrate on Research. Faculty should be given the choice to choose Teaching main or Research main and their workload should be made accordingly. Revenue generation through Consultancy and sponsored Research projects are the other areas, where Institutions are not doing well.



Dr Barla proposed that the 4-year UG course in Engineering/Technology should be made into 4½ Years. The ½ year (one semester) should be utilized for industry internship. Government should make this mandatory through legislation for every technical graduate to undergo one Industry semester before he is awarded a Degree. Dr Barla appealed to the Government/Private Sector to bring in investments in the field of higher education. The % of GDP spent on education, higher education, in particular, is fairly low in India. This has to be increased significantly to bring in quality in higher education.



Dr Barla concluded that Indians have superior genetic code (DNA) and only thing we are lacking is a proper system. He hoped that the government will address some of these issues and help improving the quality of education, technical education, in particular, in the coming days. Dr Barla then answered few questions raised by the audience.

Dr Siva Nagaiah has then introduced the next Speaker, Dr P. Sojan Lal, Principal, MBITS, Kerala. Dr Sojan Lal is an alumnus of NITW and IIMA. He has Bachelor's Degree in Mechanical Engg, Master's in Computer Science and Business Administration and a Doctorate in Management. He has conducted a dozen Webinars at National and International level inviting some illustrious Speakers from Academia, Industry and Research organizations during the Covid-19 Pandemic, for which he received appreciation from all over the country.

Dr Sojan Lal spoke on "Quality Assurance Through Digital Content" [Challenges in Online education vis-a-vis Covid-19 pandemic situation]. He spoke about his own Institution, which has formed E4IC (Education 4.0: Implementation Committee) within hours of the Union Government announcing the Lockdown 1.0 on 15<sup>th</sup> March 2020. He explained the constitution of the Committee, planning and execution of various activities, conducting classes online being the major objective.

Viewing Dr. P. Sojan Lal's application

# KL University, Andhra Pradesh,

(NAAC A++, Category - I, Deemed to be University)

## Academic Quality Assurance through Digital Content Dissemination

### MAR BASELIOS INSTITUTE OF TECHNOLOGY AND SCIENCE (MBITS)

Kothamangalam, Kochi, Kerala

**MBITS Team**  
 Dr. P. Sojan Lal, Principal & Professor (CSE)  
 Er. Tinku Soman, Asst Professor (CSE)  
 Mr. Eldhose Varghese, System Administrator

Date: 19<sup>th</sup> Sept, 2020

Zoom meeting controls: Unmute, Start video, Share, Chat

Viewing Dr. P. Sojan Lal's application

### 1000 Participants in Zoom, Plus Facebook Live (Total upto 2030, 1800 etc)

**For More details:**  
<https://webinar.mbits.edu.in/>

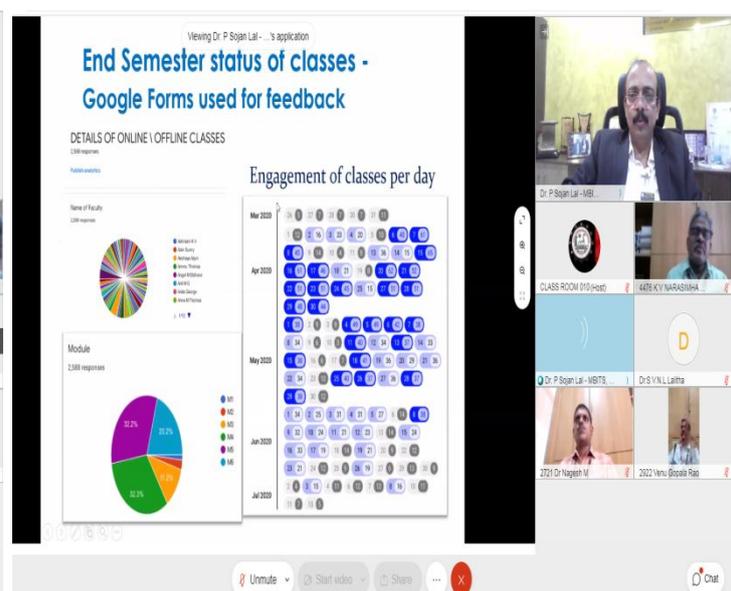
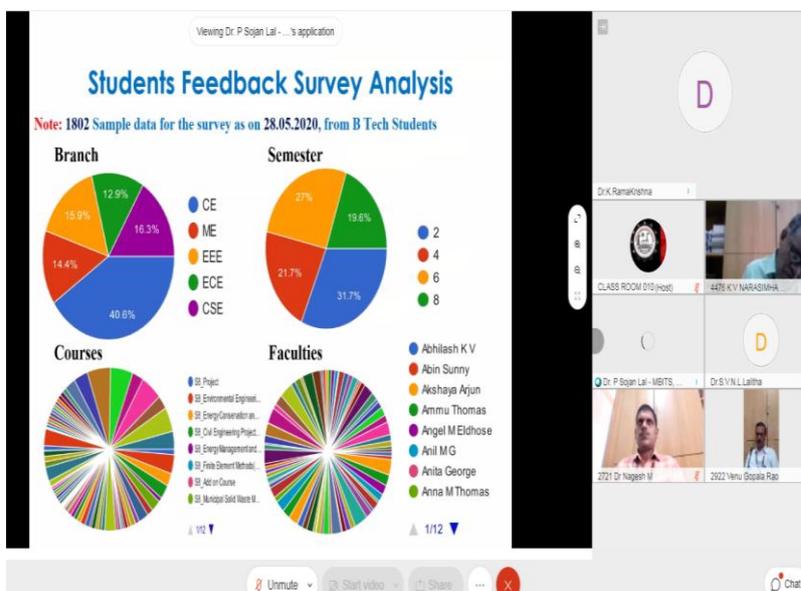
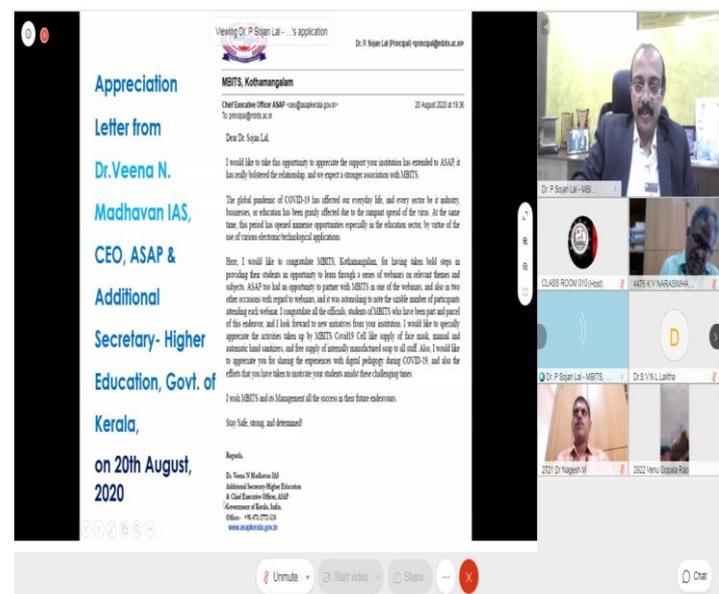
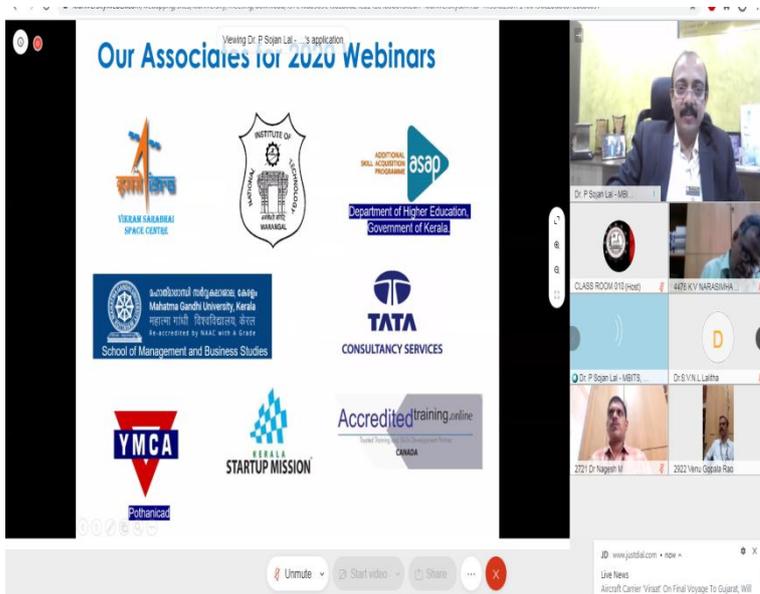
Participants (1000)

- Dr Sojan Lal (host)
- Eldhose Varghese (host)
- Dr.Sarani Goshal (co-host)
- Amritha Ananthakrishnan (co-host)
- Dr Sojan Lal (co-host)
- Jaikiran (co-host)
- Learners' Den (co-host)
- Prof K.V. Jayakumar, NIT Wa... (co-host)
- SUSANNA M SANTHOSH (co-host)
- Thomas George (co-host)
- Tinku Soman (co-host)
- MBITS (co-host)

Zoom meeting controls: Unmute, Start video, Share, Chat

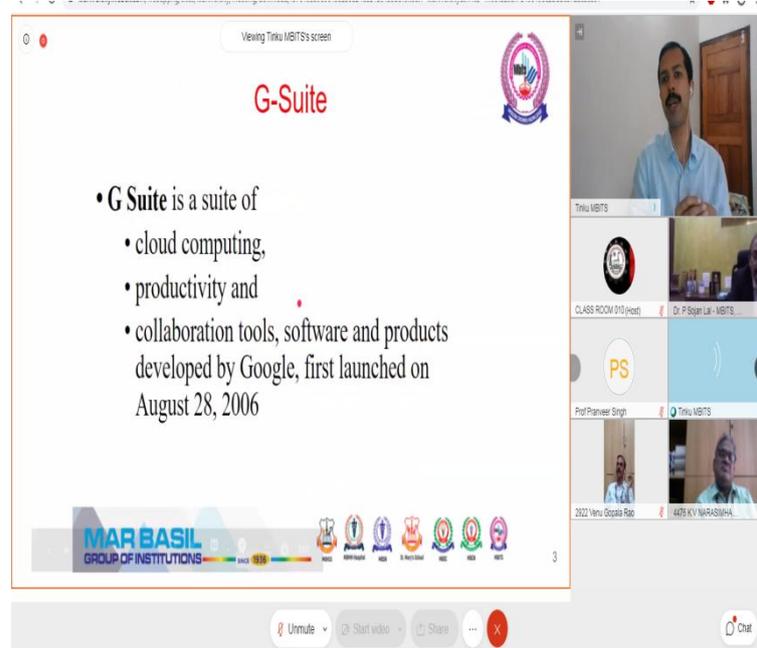
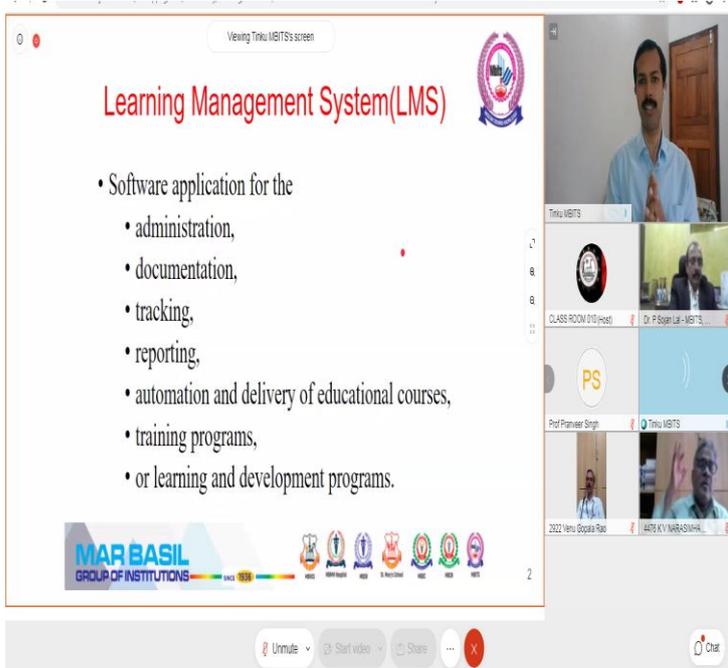
Then, he explained in detail the results of Students' feedback survey on the following topics:

- Online platform
- Course material
- Question papers
- Clarity of Faculty
- Speed of presentation
- Rating of the Faculty
- Voicing of opinion
- Assignment/Homework
- Class preference
- Internet connectivity
- Service Provider



Dr Sojan Lal then called upon his junior colleague, Mr Tinku Jacob to explain to the audience on the customized LMS, which was developed by MBITS team for their own faculty and students. LMS is a software application or an Application software.

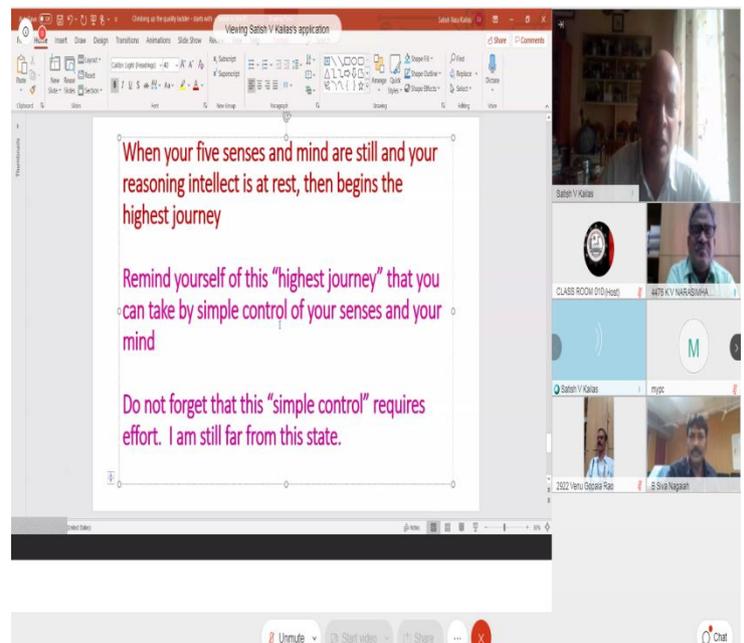
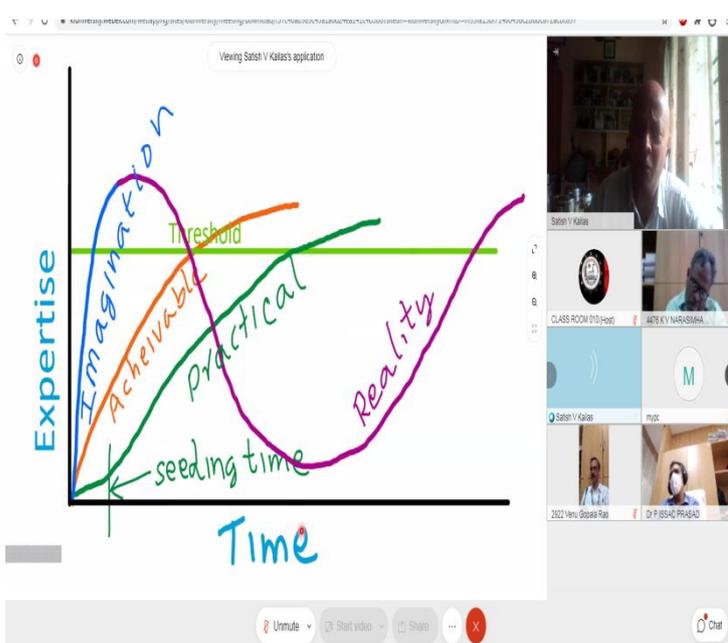
Mr Tinku described about the G-SUITE from Google, which facilitates the individual customized LMS. He explained various features of the LMS developed by their team. It is a fact that online education is more difficult than offline education; this is observed in the US too. He also informed the participants that AICTE has identified mentoring Institutions, which will be mentoring the younger Institutions in the neighborhood.



Dr Sojan Lal and Mr Tinku answered a few questions put up by some of the participants.

Dr Siva Nagaiah then introduced Dr Satish Vasu Kailas, Professor of Mechanical Engineering (Tribology and Material Science) at IISc. Dr Satish has obtained Master's and Doctoral Degrees from IISc, Bangalore itself.

Dr Satish spoke elaborately on the "Quality Ladder – How to climb it? Dr Satish talked about Discipline, which is important, but cannot be achieved through 'control'. Discipline doesn't mean control; it means having the sense to do exactly what is needed. Dr Satish has strongly advocate the importance of Time Management, which is the key for achieving quality and excellence.

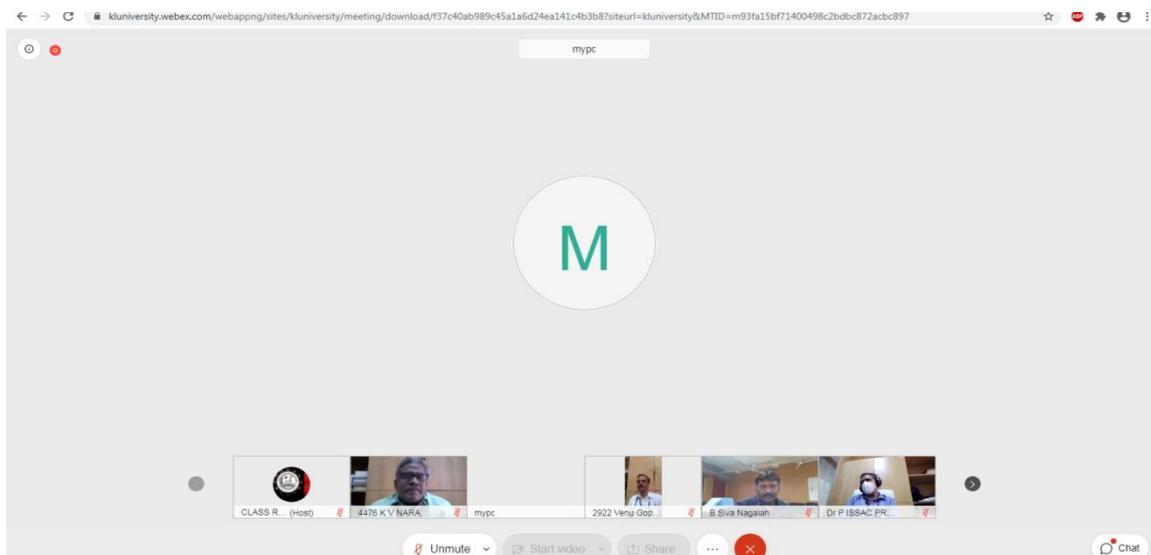


This is not only true for Teaching community but also for other professions. He said that it takes something of the order of 10,000 hours for anyone to get expertise on a particular area/field. The world famous Bill Gates, who dropped out from the famous Harvard University midway through his BS Degree, has probably spent not less than 10,000 hours on computers and got the expertise in computers, before he left the University in the middle!

The most important aspect in achieving quality is giving one's 100%. Allocating time for different tasks and prioritizing the tasks is half the job done. Most people imagine that they already got the expertise (in some area) without actually getting the expertise! One should not fall prey to this! One should be honest enough to realize his/her ability and expertise and plan his life/career/work accordingly. Distinguishing between professional life and personal life is also very important for a successful life!

Dr Satish answered a few questions put up by some of the participants.

The Webinar concluded with Professor M. Venu Gopala Rao, Associate Dean-Quality proposing a vote of thanks. 568 Participants have registered for the one-day Webinar and most of them attended and actively participated.



*Dr K. Ramakrishna*

**Dr K. Ramakrishna**  
(Dean-Quality)

To: All IQAC Personnel (by email)  
Cc: DIIs/QC (Faculty)  
IQAC File