

Minutes of the meeting of Board of Studies in Department of Mechanical Engineering Scheduled on 13-6-2020 Via Google Meet at 11:30 am.

Following Members were present:

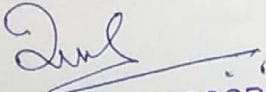
- 1) Dr. T.Nanchariah, Professor & Head
- 2) Dr. A. Seshadri Sekhar, Professor, IITM
- 3) Dr. Krishnanand Lanka, Professor, NITW
- 4) Dr. B.Raghava Rao, Professor, VRSEC
- 5) Dr.M.P.Chakravarthy, Manager (SRC), Hindustan Shipyard Limited
- 6) Mr. M.Prasanna Kumar, CGM, NTPC Limited
- 7) Faculty members of Mechanical Engineering Department

Agenda:

1. Finalization of R18 course syllabus for 5th, 6th, 7th & 8th Semesters.
2. Modifications in previously approved R18 course structure:
 - i. To shift the CAM Lab course from 8th semester, to 7th semester in place of Sensors and PLC lab. (as per academic council recommendations, 8th Semester to have only two theory and project courses only)
 - ii. To replace 6th semester course name Engineering Economics and Accountancy as Engineering Economics and Financial Analysis.
 - iii. To increase number of credits from 2 to 3 for the Engineering Economics and Financial Analysis course.
3. Any other matter

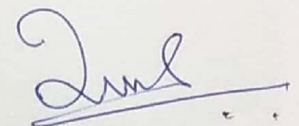
Minutes:

1. HoD welcomed the gathering and proposed the course structure, course contents related to 5, 6, 7 and 8th Semesters of R18 syllabus.
2. The BoS members interacted with subject experts in detail and has given the following suggestions
 - a. Introduction to Project Management with CPM and PERT in one of the core IM subjects
 - b. Add quality engineering and SQC in Quality Management
 - c. p and q systems in Inventory in Operations Management
 - d. ISO 9001:2015 to be added in quality management
 - e. Motivational Theories, Leadership Qualities and Marketing Strategies can be introduced to Industrial Management.
 - f. The BoS Members recommended to re organize all Industrial Management Subjects.


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- g. Dr. B.RaghavaRao , Professor suggested few reference books related to Computational Fluid Dynamics
 - h. Computational Fluid Dynamics and Finite Element Analysis can be swapped
 - i. Additive Manufacturing topics and lab experiments can be added based on availability of facilities
 - j. Dr. A. SeshadriSekhar , Professor discussed the changes with Sri D. Narayana Chowdary , Assoc. Professor. of the department related to Mechanical vibrations.
 - k. It is suggested that rearrange the syllabus of Design of Machine Elements–I & II.
 - l. Introduction to Robotics programming with practice may be added
 - m. Some topics like Magnetic Bearings, Introduction to IOT and Arduino controller can be introduced in Mechatronics.
 - n. Heat Transfer by P.K. Nag text book can be added.
3. The committee accepted to shift CAM Lab from 8th Semester to 7th Semester by replacing Sensors and PLC lab. And further suggested to add few experiments of Sensors & PLC lab in Pneumatic and Hydraulic drives lab.
 4. The BoS Members accepted the proposal to change the course name Engineering Economics and Accountancy to Engineering Economics and Financial Accountancy with 3 credits.
 5. The BoS members approved the course content of open electives and Industrial Management and Entrepreneurship Development courses offered to other branches.
 6. Finally, 5, 6, 7 and 8th Semesters of R18 syllabus was finalized, approved and ratified.

Chairman, BoS conveyed thanks to BoS members for active participation in meeting and for sharing valuable suggestions.

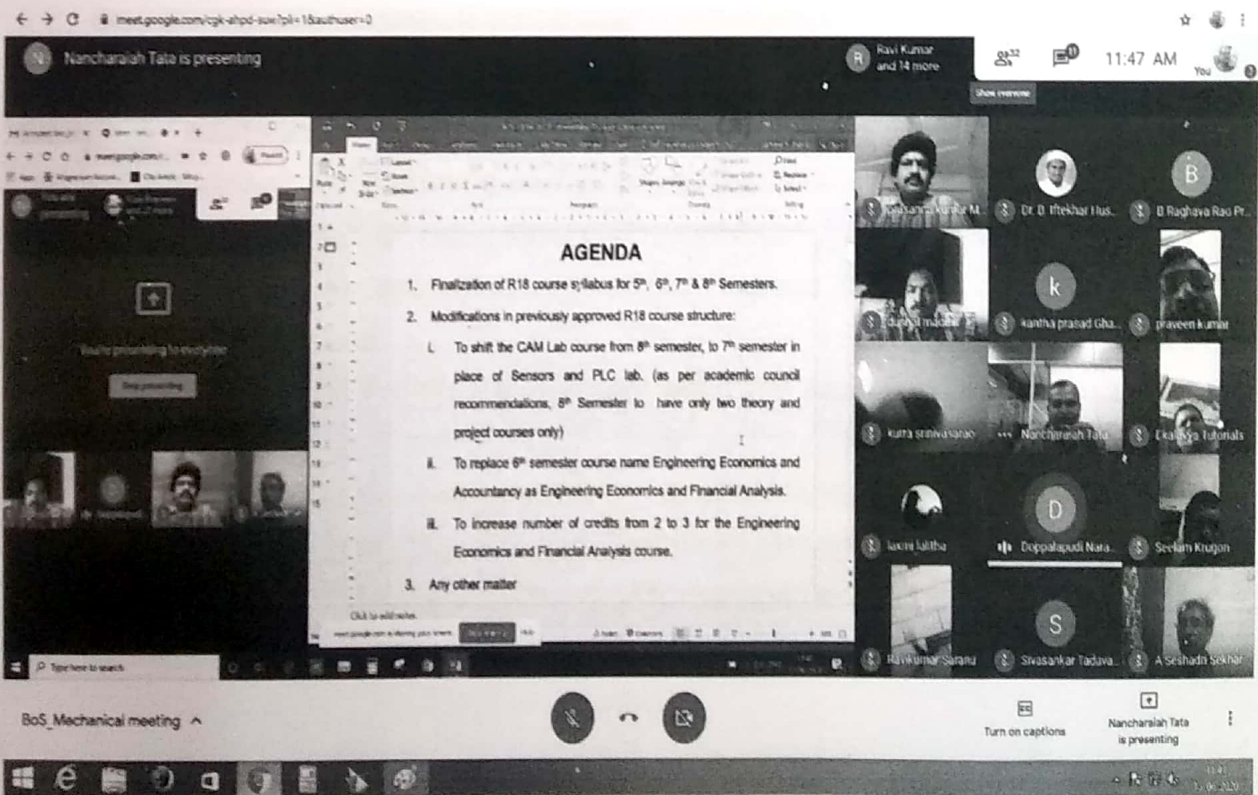
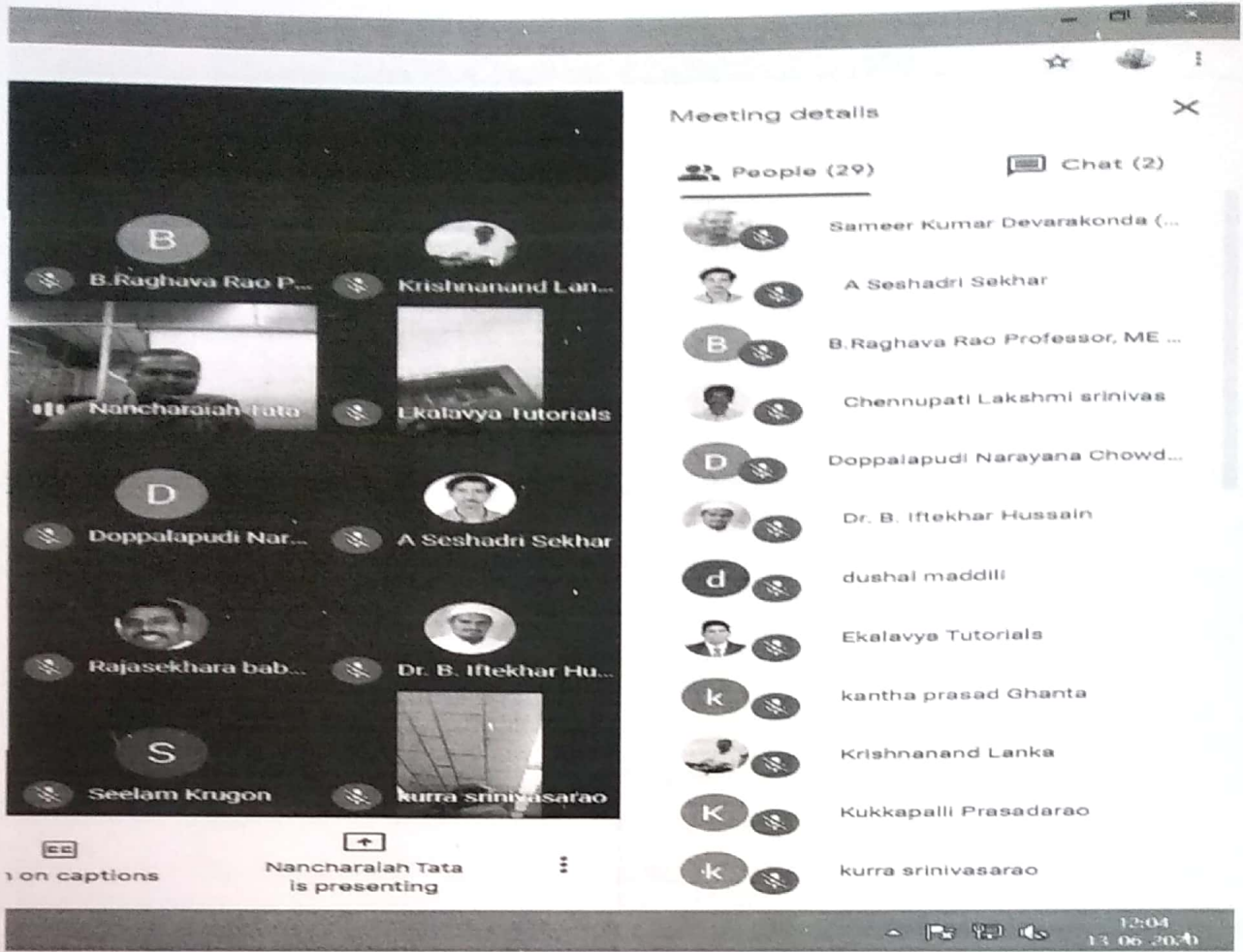


Dr. T. Nancharaiah

HoD &

Chairman, BOS of Mechanical Engineering

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