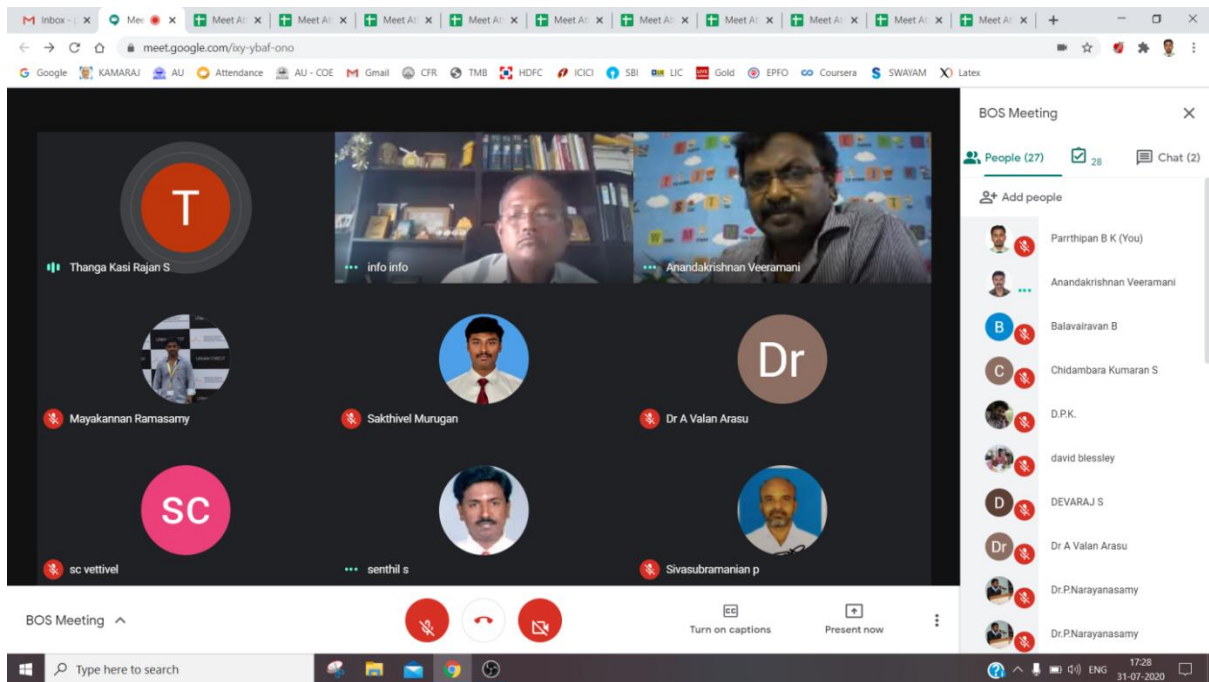


ANNEXURE IX

DEPARTMENT OF MECHANICAL ENGINEERING





(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

ACCREDITED BY NBA, NEW DELHI

Minutes of Meeting – BoS – 31st July, 2020

MINUTES OF THE 1st ONLINE MEETING

BOARD OF STUDIES OF MECHANICAL ENGINEERING

DATE: 31st July, 2020, Friday

Time: 4.00 PM – 7.00 PM

PLATFORM : GOOGLE MEET

Meeting Link: <https://meet.google.com/ixy-ybaf-ono>

IN ATTENDANCE:

S.No	Name of the Expert	Designation	Capacity
1	Dr. A. Valan Arasu, M.E., Ph.D.	Professor/ Mechanical Engineering Thiagarajar College of Engineering, Madurai	Anna University Nominee
2	Dr. S.C. Vettivel, M.E., Ph.D.	Associate Professor/Mechanical Engineering Chandigarh College of Engineering and Technology, Chandigarh	Academic Council nominated BoS Members
3	Dr. V. Anandha Krishnan, M.E., Ph.D.	Associate Professor/Production Engineering National Institute of Technology, Tiruchirapalli	
4	Er. K. Rajarathinam B.E.,	Proprietor Essar Engineers, Coimbatore	Industrialist



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

ACCREDITED BY NBA, NEW DELHI

Minutes of Meeting – BoS – 31st July, 2020

5.	Er. R. Mayakannan M.Tech.,	CAE Engineer Renault Nissan Technology and Business Centre, Chennai	Alumni
----	---------------------------------------	---	--------

FACULTY OF MECHANICAL ENGINEERING	MEMBERS
--	----------------

S.No	Name of the Faculty	Designation
1	Dr. S. Senthil	Chairman / HoD-MECH
2	Dr. S. S. Saravana Kumar	Associate Professor / MECH
3	Dr. P. Narayanasamy	Assistant Professor / MECH
4	Mr. T. Ramesh	Assistant Professor / MECH
5	Mr. S. Chidambara Kumaran	Assistant Professor / MECH
6	Mr. D. Palani Kumar	Assistant Professor / MECH



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

ACCREDITED BY NBA, NEW DELHI

Minutes of Meeting – BoS – 31st July, 2020

7	Mr. P. Siva Subramanian	Assistant Professor / MECH
8	Mr. B. Prabhu	Assistant Professor / MECH
9	Mr. B. Balavairavan	Assistant Professor / MECH
10	Mr. N. R. Madhan	Assistant Professor / MECH
11	Mr. B. K. Parrthipan	Assistant Professor / MECH
12	Mr. S. Devaraj	Assistant Professor / MECH
13	Mr. M. Prithiviraj	Assistant Professor / MECH
14	Mr. T. Suresh	Assistant Professor / MECH
15	Mr. A.Sankar Narayana Murthy	Assistant Professor / MECH
16	Mr. K. Muruganathan	Assistant Professor / MECH
17	Mr. P. Senthamarai Kannan	Assistant Professor / MECH



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

ACCREDITED BY NBA, NEW DELHI

Minutes of Meeting – BoS – 31st July, 2020

18	Mr. S. Thanga Kasi Rajan	Assistant Professor / MECH UG Programme Coordinator
19	Mr. R. Sakthivel Murugan	Assistant Professor / MECH PG Programme Coordinator
20	Mr. S. David Blessley	Assistant Professor / MECH
21	Mr. L. Loganathan	Assistant Professor / MECH
22	Mr. S. Muthu Natarajan	Assistant Professor / MECH

THE MINUTES:

The meeting is called for considering the Undergraduate and Postgraduate curriculum & syllabi.

DISCUSSIONS:

1. Dr.S.Senthil welcomed the gathering and introduced the external members to the faculty.
2. Dr.S.Senthil gave a brief presentation about the institution and overview of the Department and its profile, faculty profile & achievements, student Profile & achievements.



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

ACCREDITED BY NBA, NEW DELHI

Minutes of Meeting – BoS – 31st July, 2020

3. Dr.S.Senthil presented the proceedings of the first Academic Council meeting (Guidelines recommended for framing UG, PG and First year Curriculum) held on 17.07.2020. The highlights of the discussion were as follows

	<p>Recommendations from the Governing Body and Academic Council for Framing UG Curriculum:</p>	<ol style="list-style-type: none"> 1. Credit range: 165 – 170 2. 20 – 24 credit per Semester. 3. VIII Sem Project Work: 8 – 10 credits 4. Online Course (Maximum 6 credits) 5. Audit Course (Mandatory non credit) 6. First semester is common for all Programme 7. First year credit range : 40 – 42 8. Engineering Graphics to be in II Semester 9. Programme specific papers could be offered in II Sem. 10. AICTE & AU 2019 curriculum could be taken as base for framing curriculum. 11. III Sem Mathematics (Programme specific) Mandatory
	<p>Recommendations from the Governing Body and Academic Council for Framing PG Curriculum:</p>	<ol style="list-style-type: none"> 1. Credit range : 70 – 75 2. 20 – 22 credit per semester. 3. Online Course (Max 3 credits) 4. Open Elective: Industry Certification Courses 5. AU R2017 & AU R2019 curriculum could be taken as base for framing curriculum 6. Project Work Phase I : 6-8 credit 7. Project Work Phase II : 12-14 credit 8. II Sem Mathematics (Programme specific) Optional 9. Over and above credit will appear in transcript 10. 1 Tutorial period = 1 credit

4. Er. R. Sakthivel Murugan AP/Mech presented the proposed curriculum KCET_PG_R2020 for M.E Manufacturing Engineering.



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

ACCREDITED BY NBA, NEW DELHI

Minutes of Meeting – BoS – 31st July, 2020

5. Dr. Anandha Krishnan, Expert member expressed that the syllabus of Advances in Manufacturing Technology doesn't include any joining processes like casting, welding etc., which may be included. Also he recommended that recent trends like machine tooling, tool building has to be included.
6. He also suggested that as a Manufacturing Engineering syllabus, Rapid prototyping can be renamed as rapid Manufacturing. Theoretical knowledge on CNC machining must be included in curriculum before going for CNC Simulation Lab
7. Dr. S.C. Vettivel, expert member suggested that subjects like Design of Experiments and Optimization Techniques can be put under a single subject as Research Methodology.
8. He also suggested that in Manufacturing Engineering Curriculum, Advances in Casting and Welding should be included in professional core rather than in professional elective.
9. Dr. Valan Arasu, Expert member advised that care should be taken while framing the syllabus for PG and the syllabus studied in UG should not be repeated for PG.
10. It is suggested that, if theory based labs can be incorporated in UG curriculum, the same can be done in PG curriculum also.
11. He also pointed out that that the PEO statements for PG should be corrected as graduates of the programmes and not as students of the programme.
12. Er. Mayakannan, suggested that 3D product development by using 3D scanning techniques may be taught to students as an additional topic.
13. Er. S. Thanga Kasi Rajan, AP/Mech made the concluding remarks for the PG curriculum and pointed that the subjects like Machining, Forming, casting, welding and Tooling are included as Professional core. Their advancements shall also be included. Subjects like Research methodologies and Design of experiments shall be merged and offered as a single paper. Care should be taken so that the syllabus content should not be repeated from the UG syllabus.
14. **HOD/Mechanical Engg gave a presentation on First year UG curriculum of B.E. Mechanical Engineering.** He gave presentation on both two models. Model I is common. Model II program specific papers are included. He also presented the syllabus for the subjects like Material Science, Engineering Graphics, Engineering Mechanics, Engineering practice lab and Basic Civil and mechanical engineering.
15. In Engineering Graphics syllabus, it is recommended not to remove any contents from the AU syllabus instead, it can be bracketed as 'not for examinations' or 'simple problems only'



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

ACCREDITED BY NBA, NEW DELHI

Minutes of Meeting – BoS – 31st July, 2020

- 16.The expert committee recommended to include program specific papers Electrical Engineering Lab and Engineering Mechanics in Semester II as they are necessary for a Mechanical Engg student.
- 17.Er. S. Thanga Kasi Rajan,AP/Mech presented the proposed curriculum KCET_UG_R2020 for B.E. Mechanical Engineering.**
- 18.Dr. Valan Arasu, Expert member suggested to provide equal importance for Thermal Engineering stream like Design and Manufacturing Engineering in terms of credit points.
- 19.He insisted that the curriculum of each semester should contain at least one subject in each stream.
- 20.He suggested the courses completed through NPTEL/ Swayam are added as a separate category and not included in any other categories (Professional core/ Professional Elective/ Basic Science/ etc.,)
- 21.He suggested to propose the list of courses offered in a specific stream with its credit points and the weightage of each streams semester wise in the subsequent meeting.
- 22.He also suggested to incorporate Theory based laboratory courses in future.
- 23.Dr. Anandha Krishnan examined the inclusion of the new courses in the curriculum and also to show the list of subjects which has been removed from the AU 2019 curriculum.
- 24.He agreed the proposed new curriculum and recommended to prepare the syllabus carefully so that it covers industrial expectations as well as competitive exams
- 25.Er. Rajarathinam, Industrialist expressed that the Interaction with Industry should be more. He suggested industrial training/ internship for both students and faculty. He also appreciated the efforts taken by our college for enhancing Industry Institute Interaction. It was concluded that the students shall be given extra credits for industrial training/ internship as over and above credit which will be printed in their transcript and not included for CGPA calculation.

General Conclusions:

- 26.Thermodynamics and Fluid Mechanics are included in the same semester, which may be separated as the students may find it difficult to learn
- 27.The online courses recommended to choose need not match with the subjects which the student already studied



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF MECHANICAL ENGINEERING

ACCREDITED BY NBA, NEW DELHI

Minutes of Meeting – BoS – 31st July, 2020

28. The students can be allowed to take any BOS approved courses from NPTEL/ Swayam and has a freedom to choose either 4 weeks/ 8 weeks or 12 weeks courses. However for CGPA calculation maximum of 6 credits only will be considered as per the regulation. The expert committee accept the proposed online course system.
29. Credit allocation for audit courses, internships were clarified
30. The expert committee members were satisfied with the proposed curriculum and appreciated Er. S. Thanga Kasi Rajan for his excellent presentation and the Team of KCET/Mech for their efforts in framing the curriculum structure.
31. **Date of next meeting:** The tentative date for the next Board of Studies meeting was discussed and scheduled on 4th Saturday of January 2021
32. The meeting ended up with Vote of Thanks proposed by Dr.S.S.Saravana Kumar ASP/Mech