

MINUTES OF THE 38th MEETING OF THE
BOARD OF STUDIES IN MECHANICAL ENGINEERING

22-10-2020

The minutes of the meeting of the Board of Studies in Mechanical Engineering held on 22.10.2020 at 03.00 PM through Google Meet, meet.google.com/bgg-czzh-zrb

Dr. K. Marimuthu, Professor and Head of the Department of Mechanical Engineering welcomed the gathering and gave an outline on the agenda of the meeting. The following were the salient points of discussion.

1. Dr. K. Marimuthu welcomed
 - (i) Dr. D. Noorullah, Associate Professor, GCE Salem - University Nominee
 - (ii) Dr. P. K. Palani, Professor, GCT, Expert Member - Academic
 - (iii) Dr. P. R. Thyla, Professor, PSG Tech, Expert Member - Academic
 - (iv) Mr. A. S. Shivakumaran, GM, KOSO India Pvt Ltd, Expert - Industry
 - (v) Mr. V. Sampathkumar, DGM, Roots Industries, Expert Member - Industry
 and introduced them to the members of Board of Studies.
2. Dr. K. Marimuthu highlighted the various academic programmes offered by the department viz., Full time and Part time programme in B.E., Mechanical Engineering, and the two Masters programme, one each in Heat Power Engineering and Advanced Manufacturing Technology. The HoD also called upon Dr. A. S. Krishnan, Associate Professor, Department of Mechanical Engineering, to present the curriculum and syllabi for courses from 5th to 8th semesters and elective courses of B.E. Mechanical Engineering and 1st to 7th semesters of Part Time B.E. Mechanical Engineering.
3. Dr. A. S. Krishnan presented the curriculum and syllabi for all the core and elective courses.

4. Dr. A.S. Krishnan pointed out that a course titled "Manufacturing Processes" in the IVth semester has been renamed as "Manufacturing Processes-I" and the syllabus of the course has also been revised accordingly. It was presented to the members and the Board ratified the revision.
5. Mr. N. Sampathkumar stressed upon the need for including Mean Time Between Replacements (MTBR) in the course contents of Metrology and Quality Control. Dr. N. Rajam Ramaswamy, Associate Professor, Department of Mechanical Engineering, responded that the students should be aware of the concepts with reference to Mean Time Between Failure (MTBF) and MTBR and the same has been included in the syllabus in terms of process which can be applied for product as well. Mr. A.S. Shivakumaran also acknowledged that it is important for the students to be aware of the concepts of MTBR.
6. Mr. A.S. Shivakumaran pointed out that the concepts of six-sigma are to be included in the course on "Quality Engineering and Management". He also added that "Process capabilities in six sigma level" can be included. Dr. K. Marimuthu added that discussion on six sigma, C_p , C_{pk} and P_{pk} could be accommodated under the topic of "Techniques in Quality Management".
7. Dr. P.R. Thyala suggested that the course "Mechanisms of Machines" in the fourth semester be renamed as "Mechanics of Machines". Other members consented to this and the change in name of course was ratified by the board.
8. Dr. P.R. Thyala suggested that in the course "Design of

9. Dr. P.R. Thyala suggested that the course "Machin... shall be... second... constri... course... Ramasi... on Mar... having... and su... and D... spread
10. Dr. N. Rajam Ramaswamy responded that the students should be aware of the concepts with reference to Mean Time Between Failure (MTBF) and MTBR and the same has been included in the syllabus in terms of process which can be applied for product as well. Mr. A.S. Shivakumaran also acknowledged that it is important for the students to be aware of the concepts of MTBR. Involut... course... accord
11. Mr. N. Sampathkumar stressed upon the need for including Mean Time Between Replacements (MTBR) in the course contents of Metrology and Quality Control. Dr. N. Rajam Ramaswamy, Associate Professor, Department of Mechanical Engineering, responded that the students should be aware of the concepts with reference to Mean Time Between Failure (MTBF) and MTBR and the same has been included in the syllabus in terms of process which can be applied for product as well. Mr. A.S. Shivakumaran also acknowledged that it is important for the students to be aware of the concepts of MTBR. Can be... that cle... trainin
12. The Board of Examiners for Part I of the B.Tech. Degree in Mechanical Engineering suggested that the course "Manufacturing Processes" in the IVth semester be renamed as "Manufacturing Processes-I" and the syllabus of the course has also been revised accordingly. It was presented to the members and the Board ratified the revision. The Boa... for Part
13. Dr. D. N. S. Srinivasan suggested that the course "Mechanisms of Machines" in the fourth semester be renamed as "Mechanics of Machines". Other members consented to this and the change in name of course was ratified by the board. Dr. D. N. S. Srinivasan suggested that the course "Mechanisms of Machines" in the fourth semester be renamed as "Mechanics of Machines". Other members consented to this and the change in name of course was ratified by the board. interac... feabili
14. Dr. K. Marimuthu suggested that discussion on six sigma, C_p , C_{pk} and P_{pk} could be accommodated under the topic of "Techniques in Quality Management". Dr. K. Marimuthu suggested that discussion on six sigma, C_p , C_{pk} and P_{pk} could be accommodated under the topic of "Techniques in Quality Management". has been... them t... suggest... that it... to all.

a course
 the IVth semester
 ng Processes-I"
 also been
 sted to the
 e revision.
 e need for
 ents (MTBR)
 Quality
 te Professor,
 , responded
 the concepts
 lue (MTBF)
 included
 hich can be
 vakumaran
 nt for the
 of MTBR.
 at the concepts
 the course
 ent". He also
 x sigma
 hu added
 and Ppk
 pic of
 echanisms of
 amed as
 s consented
 urse was
 se "Design of

Machine Elements", a unit titled "Energy storage devices" shall be renamed as "Energy storage elements" Dr. k Marimuthu seconded to this opinion.

9. Dr. P.R.Thyala insisted addition of discussions on constructional details of CNC machines in the course on "Manufacturing Processes - II". Dr. N Rajam Ramaswamy queried the necessity to have two courses on Manufacturing Processes and floated the idea of having the contents under a single course on Manufacturing and supplemented by laboratory sessions. Dr. k. Marimuthu and Dr. P.R.Thyala collectively responded the topics be spread over two courses, effective delivery of contents.
10. Dr. N. Rajam Ramaswamy pointed out that the topics on Involutives and Special curves are to be included in the course "Engineering Graphics". The contents were revised accordingly and ratified by the board.
11. Mr. N. Sampath Kumar added that the process parameters can be covered during in-plant training. He also stressed that clear cut guidelines need to be framed for in-plant training and internships.
12. The Board also approved the curriculum of 1st to 7th semester for Part Time B.E., Mechanical Engineering.
13. Dr. D. Noorullah stressed on the need for industry institute interaction and the same can be strengthened based on feasibility and requirements.
14. Dr. k Marimuthu added that the syllabi and curriculum has been sent to the mail of expert members and requested them to go through the same and point out additional suggestions if any through mail. The HoD also added that the feedback form will be shared by Dr. A.S. Krishnan to all the members.

Dr. K. Marimuthu proposed the Vote of Thanks and conveyed his thanks to the expert members for offering their valuable suggestions. He also added that their suggestions will be incorporated depending on the feasibility and requirements.

The following members were present in the meeting.

S.NO	NAME	DESIGNATION	S.NO
1.	Dr. K. Marimuthu	Chairman	22.
2.	Dr. D. Noorullah	University Nominee (UG & PG)	23.
3.	Dr. P. K. Palani	Expert Member - Academic	24.
4.	Dr. P. R. Thyla	Expert Member - Academic	25.
5.	Mr. A. S. Shivakumaran	Expert Member - Industry	26.
6.	Mr. N. Sampath Kumar	Expert Member - Industry	27.
7.	Dr. T. Sridhar	Member	28.
8.	Dr. R. Rajesh	Member	29.
9.	Dr. N. Rajam Ramaswamy	Member	30.
10.	Dr. A. S. Krishnan	Member	31.
11.	Dr. G. Suresh Kannan	Member	32.
12.	Mr. P. Ramakrishnan	Member	33.
13.	Dr. M. Velliangiri	Member	34.
14.	Dr. G. Suganya Priyadarshini	Member	35.
15.	Mr. M. Karthikeyan	Member	36.
16.	Mr. K. Karthik	Member	37.
17.	Mr. C. Balaji Ayyanar	Member	38.
18.	Dr. A. Karthikeyan	Member	39.
19.	Dr. P. Thangarasu	Member	40.
20.	Dr. S. Balamurugan	Member	
21.	Dr. C. Vivek	Member	

e Vote of	S.NO	NAME	DESIGNATION
s to the	22.	Dr. G. Sivakumar	Member
in valuable	23.	Dr. P. Mohan	Member
their	24.	Mr. S. Selvam	Member
d depending	25.	Mr. D. P. Sam Solomon	Member
nts.	26.	Dr. P. Manivel	Member
present	27.	Dr. R. Vishnu	Member
	28.	Mr. G. Balamurugan	Member
	29.	Mr. R. S. Mohan Kumar	Member
SIGNATION	30.	Mr. M. Muruganandam.	Member
viman	31.	Dr. C. Manivannan	Member
j Nominee (UG & PG)	32.	Ms. P. Aruma Devi	Member
ember - Academic	33.	Mr. H. Sivarathinamoorthy	Member
ember - Academic	34.	Mr. S. Thirumurugan	Member
ember - Industry	35.	Dr. S. Vellingiri	Member
ember - Industry	36.	Dr. Tony Purnoose Valayil	Member
mber	37.	Mr. S. K. Pradeep Mohan	Member
mber	38.	Dr. R. Sathis Kumar	Member
mber	39.	Mr. S. Praveen Kumar	Member
mber	40.	Mr. G. Ram Kumar.	Co-opted Member


Dr. K. MARIMUTHU, Ph.D.,
PROFESSOR AND HEAD OF MECHANICAL ENGINEERING
COIMBATORE INSTITUTE OF TECHNOLOGY
COIMBATORE - 641 014, INDIA