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Geethanjali College of Engineering and Technology

AUTONOMOUS

(Accredited by NBA, Approved by AICTE, New Delhi)
Sy.No. 33 & 34, Cheeryal (V), Keesara (M), Medchal District. - 501 301.

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF THE BOARD OF STUDIES MEETING

The following members of the Board of Studies of Mechanical Engineering Department, have met on 27th June , 2019 at 10.30 A.M in CAD/CAM Lab.

Chairman:

Dr. T. Siva Prasad, Professor and HoD, ME, GCET

T. Siva Prasad
27/6/19

External Members:

1. Dr. G. Satish Babu, Professor, ME, JNTUH, Hyderabad

G. Satish Babu
27/6/20

2. Dr. Sriram Venkatesh, Professor, ME, OU, Hyderabad

- Absent

3. Dr. Ch. Viswanath, Asst. Prof. ME & AE, IIT, Hyderabad

Ch. Viswanath
27/6/20

4. Dr. Sabareesh, Asst. Prof. ME, BITS Pilani, Hyderabad

Sabareesh
27/6/2019.









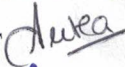




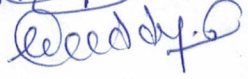












5. Mr. Gurunath P. Biradar, Scientist-E, DRDL. Hyderabad

- Absent.

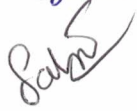
6. Mr. K. G. Reddy, KGR Industries, Cherlapally, Hyderabad


K. G. Reddy

Internal Members:

- 1 Dr. M. Devaiah, Professor, ME, GCET 
- 2 Dr. S. Shyam kumar, Professor, ME, GCET  27/06/2019
- 3 Dr. K. Subhash, Professor, ME, GCET 
- 4 Dr. S. Sathagiri, Professor, ME, GCET.  27/6/19.
- 5 Mr. K. Jithendar Reddy, Assoc. Prof., ME, GCET 
- 6 Mr. P. Sudheer Rao, Assoc., Prof., ME, GCET 
- 7 Mr. R. Sudarshan, Assoc. Prof., ME, GCET 
- 8 Mr. B. Subba Rao, Assoc. Prof., ME, GCET 
- 9 Mrs. B. Anitha, Asst. Prof., ME, GCET 
- 10 Mr. K. Raju, Asst. Prof., ME, GCET 
- 11 Mr. M. Ravindra Gandhi, Asst. Prof., ME, GCET 
- 12 Ms. V. Sandeepa, Asst. Prof., ME, GCET 
- 13 Mr. V. Rajasekher, Asst. Prof., ME, GCET 
- 14 Mr. P. Laxmi Reddy, Asst. Prof., ME, GCET 
- 15 Mr. P.V.R. Girish Kumar, Asst. Prof., ME, GCET 
- 16 Mr. N. Rajendar, Asst. Prof., ME, GCET 
- 17 Mr. B. Venkata Sravan Kumar, Asst. Prof., ME, GCET 
- 18 Mr. U. Sreekanth, Asst. Prof., ME, GCET 
- 19 Mr. B. Bhasker, Asst. Prof., ME, GCET 
- 20 Mr. J. Nithien, Asst. Prof., ME, GCET 
- 21 Mr. K. Niranjana Kumar, Asst. Prof., ME, GCET 
- 22 Mr. N. Suresh, Asst. Prof., ME, GCET 
- 23 Mr. A. Santhosh, Asst. Prof., ME, GCET 
- 24 Mr. K. Venkatesh, Asst. Prof., ME, GCET 
- 25 Mr. B. Srinivas Reddy, Asst. Prof., ME, GCET 
- 26 Mr. R.S. Mahipal Reddy, Asst. Prof., ME, GCET 

27 Mr. P. Sandeep Kumar, Asst. Prof., ME, GCET 

28 Mr. P. Satyanarayana, Asst. Prof., ME, GCET 

29 Mr. M. Ravi Kumar, Asst. Prof., ME, GCET 

30 N.S. Raghavendra, Asst. Prof., ME, GCET 

31 Mr. K. Praveen, Asst. Prof., ME, GCET 

32 Mrs.J.Sumalatha, Asst. Prof., ME, GCET 

AGENDA

1. Finalization and approval of Syllabus of third year and final year courses taught by Mechanical Engineering Department.
2. Finalization of "Open Electives" offered to other departments by Mechanical Engineering Department.
3. Service courses to M.Tech.,(CSE)

The BoS meeting started at 9-30 AM, in CAD/CAM Lab. The BoS internal and external members have provided various modifications in different courses of III and IV year syllabus of AR18 regulations of B.Tech, Open electives offered to other departments, and M.Tech.(CSE) service courses.

1. B Tech (Mechanical Engineering) III ,IV years of: 33 Theory courses and 8 Practical courses,
2. Open Electives to other departments at B Tech Level: 03 and
3. M Tech Service subjects: 02

Following modifications were suggested by the subject expert committee members:

1. Dr G Satish Babu has suggested to add 'wheel balancing' in the course 18ME3102-Dynamics of machinery in Unit-IV; vibration isolation and transmissibility were suggested by Dr G Satish Babu and Dr. Sabareesh Geetha Rajasekharan to add at the end of Unit V; Further Dr Sathish Babu and Dr Sabareesh have suggested two text books viz., Mechanical Vibrations, William W. Seto, Schaum's Outline Series and Theory of Vibrations with Applications, William T Thomson, Pearson, 5th edition to be added.
2. 18ME3104– Design of Machine Elements –I was examined by the BOS and suggested to replace 'combined stresses' with 'complex stresses' in unit-I; Concept of Mean and Variable stresses was suggested by Dr G Satish Babu to emphasize theories of fatigue failure. Also suggested was to add the line 'Wahl's stress factor' in Unit-V; Dr Sabareesh suggested to incorporate 'Shigley's Mechanical Engineering Design, Richard G Budynas, J Keith Nisbett, Mc Graw Hill' as text book
3. 18ME3106- Mechanical Vibrations syllabus contents were reviewed by the BOS and felt to remove the Unit-V on 'Acoustics' and replace it with the later half of the Unit-IV of the proposed syllabus. Reference book 'Theory of Vibrations with Applications', William T Thomson, Pearson, 5th edition was added upon the suggestion of Dr G Sateesh Babu and Dr Sabareesh.
4. Unit- V contents of 18ME3201 – 'Finite Element Analysis', 'NISA' was suggested by Dr G Satish Babu to replace with 'ABACUS'. Reference book, 'The Finite Element Method: Its Basis and Fundamentals', O C Zeinkiewicz, R L Taylor, J Z Zhu, Butterworth-Heinemann was suggested by Dr Sabareesh to this course.
5. In the proposed course, 18ME3202 – 'Design of Machine Elements-II', Dr G Satish Babu has suggested to rename UNIT – IV as 'SPUR AND HELICAL GEAR DRIVES'. Within the same unit, 'Brief introduction to Bevel and worm gear drives' was suggested to add by Dr Sabareesh. Text books/ ReferenceBooks- Maleev and Hartman's Machine Design, O P Grover, C B S Publications and Mechanical Engineering Design, Joseph E Shigley and Charles R Mischke, 8th Ed Tata Mc Graw Hill-2008 were suggested by Dr G Satish Babu and Dr Sabareesh for this course.

6. In 18ME3207 – ROBOTICS course, Dr G Satish Babu has suggested to add topics- ‘Precision of movement, Resolution, Accuracy, Repeatability, Compliance, Load carrying capacity, speed of response’ in Unit-I.
7. Dr T Siva Prasad has suggested to follow common pattern of text/ reference books-Subject title, author and publication details.
8. Unit-I of 18ME4103- Advanced Mechanics of Solids was suggested by Dr G Satish babu to rename as ‘Shear Centre and Unsymmetrical Bending’. Also suggested by him was to add reference book ‘Advanced Mechanics of Materials, Richard J. Schmidt Arthur P. Boresi, Wiley publications, 6ed – 2009’. Dr Sabareesh has suggested to add reference book ‘Theory of Elasticity, S Timoshenko, Mc Graw Hill’.
9. In ‘18ME4106 – Mechanics of Composite Materials’, the words ‘Hooke’s Law’ were suggested to be replaced with ‘Generalized Hooke’s Law’ by Dr Sabareesh.
10. In ‘18ME4203 - Engineering Acoustics’, Unit-III, ‘Sound propagation in different fields’ in place of ‘Free field’ was suggested for an addition by Dr Sabareesh. Also suggested by him was to add ‘Vibration and Acoustics, C Sujatha, Mc Graw Hill’ as reference book.
11. Topics of Unit-III, of the course ‘18ME4207- Tribology’ were asked to be rearranged by Dr G Satish Babu.
12. In Advanced Metal forming course, BoS members were suggested for an adding the content “Flow stress determination methods” in Unit-I.
13. In Tool Design course, BoS members were suggested to shift the reference book “Fundamentals of tool design, ASTME Prentice Hall India.2000” to one of the Text book.
14. Dr G Satish Babu has suggested to add Yunus Cengel book as a text book for 18ME3103-THERMAL ENGINEERING-II
15. For 18ME3107-Automobile Engineering-R18 Dr Sabareesh suggested to add good book for this course as text book
16. For 18ME3204 – HEAT TRANSFER-R18 Dr Sabareesh have suggested “Heat transfer - A basic approach”, M.NecatiOzsisik, McGraw-Hill, New York, 2005.as a text book.

17. 18ME3206-GAS DYNAMICS -R18 Dr G Satish Babu has suggested to add 3 book in text book coloum, also suggested to add Steam and Gas Turbines and Power Plant Engineering, central publishing house, Allahabad, 7th Edition, by R. Yadav
18. Addition of PK.nag book is suggested by Dr T Siva Prasad for 18ME 4108- Power Plant Engineering as a text book.

The BoS meeting is concluded at 1-30PM.


27/6/19

HoD and Chairman of BoS