

**Adhiyamaan College of Engineering (Autonomous),
Hosur – 635 130**

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 27th meeting of the Board of Studies in

Faculty of Mechanical Engineering held on 22.07.2022 at 11.00 AM.

27.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
3. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
4. Dr. K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
5. Dr. M. James Selva Kumar, Member, BOS / Faculty of Mechanical Engineering
6. Dr. M. Sakthivel, Member, BOS / Faculty of Mechanical Engineering
7. Dr. V. Hariharan, University Nominee
8. Dr. P. Thirumal, Academic Council Nominee
9. Dr. B. N. Ravi Kumar, Academic Council Nominee
10. Dr. Channankaiah, Academic Council Nominee
11. Mr. S. Gowri Shankar, Industrial Representative
12. Dr. J. Jenix Rino, Alumni Representative
13. Dr. J. Arivudainambi, Interdisciplinary Expert

27.1 To consider the minutes of the twenty sixth meeting of the Board of Studies in Mechanical Engineering held on 01.10.2021.

RESOLVED that the minutes of the twenty sixth meeting of the Board of Studies in Mechanical Engineering held on 01.10.2021 has been considered.

27.2 To consider the Syllabi of 7th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2019 – 20 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 7th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2019 – 20 under Regulation 2018 as per *Annexure –I* be approved.

27.3 To consider the Syllabi of 5th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2020 – 21 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 5th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2020 – 21 under Regulation 2018 (CBCS) as per *Annexure –II* be approved.

27.4 To consider the Syllabi of 3rd semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2021 –22 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 3rd semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2021 –22 under Regulation 2018 (CBCS) as per *Annexure –III* be approved.

27.5 To consider the proposal pertaining to the Regulation 2022.

RESOLVED that the proposal pertaining to the Regulation 2022 as per *Annexure –IV* be approved.

27.6 To consider the Syllabi of 1st semester B.E. (Mechanical Engineering) to be offered for the batch of students to be admitted in 2022 –23 under Regulation 2022 (CBCS).

RESOLVED that the Syllabi of 1st semester B.E. (Mechanical Engineering) to be adopted for the batch of students to be admitted in 2022 –23 under Regulation 2022 (CBCS) as per *Annexure –V* be approved.

27.7 To consider the Syllabi of 3rd semester M.E - Engineering Design offered for the batch of students admitted in 2021–22 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 3rd semester M.E - Engineering Design adopted for the batch of students admitted in 2021–22 under Regulation 2018 (CBCS) as per *Annexure –VI* be approved.

27.8 To consider the Syllabi of 1st semester M.E - Engineering Design to be offered for the batch of students to be admitted in 2022 – 23 under Regulation 2022 (CBCS).

RESOLVED that the Syllabi of 1st semester M.E - Engineering Design to be offered for the batch of students to be admitted in 2022 – 23 under Regulation 2022 (CBCS) as per *Annexure –VII* be approved.


27.9 To consider the Syllabi of Ph.D course work subject.

RESOLVED that the Syllabi of Ph.D course work subject as per *Annexure – VIII* be approved.

27.10 To consider the panel of Examiners for the purpose of Evaluation.

RESOLVED that the panel of Examiners for the purpose of Evaluation as per *Annexure – IX* be approved.


Date: 22.07.2022


Signature of the Chairman
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

| DEPARTMENT OF MECHANICAL ENGINEERING – 27 TH BOS RECOMMENDATIONS | | | |
|---|-------------|--|---|
| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
| 2021 - 2022 | | | |
| I | 122EPP07 | ENGINEERING PRACTICE LABORATORY | The following topics are included in the existing syllabus <ul style="list-style-type: none"> • Introduction to House Wiring. • Staircase Wiring. • Fluorescent lamp Wiring. • Measurement of single phase energy meter. • Measurement of Power, Power factor by using two- wattmeter Method. • Study of Electrical iron box and fan with regulator. • Characteristics of SCR and Diode • Introduction to color coding of resistor. |
| I | 122CMT06 | BASIC CIVIL AND MECHANICAL ENGINEERING | The following topics are included in the existing syllabus In Unit-3, <ul style="list-style-type: none"> • Forging: Types of Forging. Differences between Hot working and Cold working processes. In Unit-5, <ul style="list-style-type: none"> • Window type room Air conditioner • Split type room Air conditioner |
| M.E ENGINEERING DESIGN | | | |
| I | 122EDT06 | Research Methodology and IPR | New Course Introduced |
| I | 122EDP09 | Vibration Laboratory | New Course Introduced |

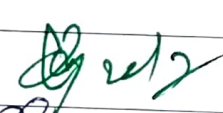

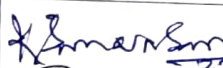
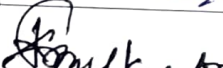
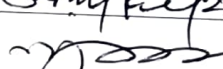
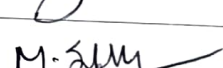
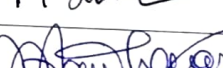
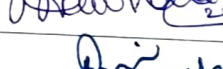



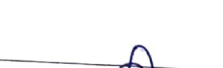

Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.




 BOS CHAIRMAN
 CHAIRMAN
 BOARD OF STUDIES
 FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

**Adhiyamaan College of Engineering (Autonomous),
Hosur – 635 130**


**27th BOS meeting in Faculty of Mechanical Engineering
held on 22.07.2022 at 11.00 AM.**

| Sl. No. | Name | Designation | Category | Signature |
|---------|--------------------------|-------------|---|---|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  |
| 2 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  |
| 3 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  |
| 4 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  |
| 5 | Dr. M. James Selva Kumar | Member | Member of the Faculty: UG & PG Specialization: Thermal Engg. |  |
| 6 | Dr. M. Sakthivel | Member | Member of the Faculty UG & PG Specialization: Production Engg. |  |
| 7 | Dr. V. Hariharan | Member | University Nominee |  |
| 8 | Dr. P. Thirumal | Member | Academic Council Nominee |  |
| 9 | Dr. B. N. Ravi Kumar | Member | Academic Council Nominee |  |
| 10 | Dr. Channankaiah | Member | Academic Council Nominee |  |
| 11 | Mr. S. Gowri Shankar | Member | Industrial Representative |  |
| 12 | Dr. J. Jenix Rino | Member | Alumni Representative |  |
| 13 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert |  |


Chairman

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
27TH BOS MEETING HELD ON 22.07.2022




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 130

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 26th meeting of the Board of Studies in

Faculty of Mechanical Engineering held on 01.10.2021 at 11.00AM.

26.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr.S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
3. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
4. Dr.K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
5. Dr. M. James Selva Kumar, Member, BOS / Faculty of Mechanical Engineering
6. Dr. M. Sakthivel, Member, BOS / Faculty of Mechanical Engineering
7. Dr. V. Hariharan, University Nominee
8. Dr. P. Thirumal, Academic Council Nominee
9. Dr. B. N. Ravi Kumar, Academic Council Nominee
10. Dr. Channankaiah, Academic Council Nominee
11. Mr. S. Gowri Shankar, Industrial Representative
12. Dr. J. Jenix Rino, Alumni Representative
13. Dr. J. Arivudainambi, Interdisciplinary Expert

26.1 To consider the minutes of the twenty fifth meeting of the Board of Studies in Mechanical Engineering held on 24.03.2021.

RESOLVED that the minutes of the twenty fifth meeting of the Board of Studies in Mechanical Engineering held on 24.03.2021 has been considered.

26.2 To consider the Syllabi of 8th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2018 – 19 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 8th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2018 – 19 under Regulation 2018 as per *Annexure –I* be approved.

26.3 To consider the Syllabi of 6th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2019 – 20 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 6th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2019 – 20 under Regulation 2018 (CBCS) as per *Annexure-II* be approved.

26.4 To consider the Syllabi of 4th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2020 –21 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 4th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2020 –21 under Regulation 2018 (CBCS) as per *Annexure-III* be approved.

26.5 To consider the Syllabi of 2nd semester B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2021 –22 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 2nd semester B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2021 –22 under Regulation 2018 (CBCS) as per *Annexure -IV* be approved.

26.6 To consider the Syllabi of 4th semester M.E - Engineering Design offered for the batch of students admitted in 2020–21 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 4th semester M.E - Engineering Design adopted for the batch of students admitted in 2020–21 under Regulation 2018 (CBCS) as per *Annexure -V* be approved.

26.7 To consider the Syllabi of 2nd semester M.E - Engineering Design to be offered for the batch of students admitted in 2021 – 22 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 2nd semester M.E - Engineering Design to be offered for the batch of students admitted in 2021 – 22 under Regulation 2018 (CBCS) as per *Annexure -VI* be approved.

26.8 To consider the panel of Examiners for the purpose of Evaluation.

RESOLVED that the panel of Examiners for the purpose of Evaluation as per *Annexure - VII* be approved.

Date:01.10.2021


Signature of the Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.


DEPARTMENT OF MECHANICAL ENGINEERING – 26TH BOS RECOMMENDATIONS

| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
|--------------------|-------------|-----------------------------------|--|
| 2021 - 2022 | | | |
| VIII | 818MEE02 | Theory of Elasticity | The following topics are included in the existing syllabus In Unit-1, <ul style="list-style-type: none"> • Octahedral stress • Plane state of stress • Numerical problems In Unit-5, <ul style="list-style-type: none"> • Euler's column buckling load • Clamped-clamped and pin-ended • Numerical Problems |
| VIII | 818MEE05 | Energy Conservation in Industries | New course introduced |
| VIII | 818MEE06 | Fracture Mechanics | The following topics are included in the existing syllabus In Unit-3, <ul style="list-style-type: none"> • Importance of R-curve in fracture mechanics • Experimental determination of J-integral • COD and CTOD In Unit-5, <ul style="list-style-type: none"> • Specimen size requirements • Various test procedures • Effects of temperature • Loading rate and plate thickness on fracture toughness • Fracture testing in shear modes • Fatigue testing • NDT methods |
| VIII | 818MEE08 | Optimization Techniques | The following topics are included in the existing syllabus In Unit-1, <ul style="list-style-type: none"> • Solution by method of Lagrange multipliers • Multivariable Optimization with inequality constraints • Kuhn – Tucker conditions In Unit-2, <ul style="list-style-type: none"> • Big – M method In Unit-5, <ul style="list-style-type: none"> • Genetic Algorithm • Working Principle • Comparison between GA and traditional method |
| VIII | 818MEE09 | Tribology | The following topics are included in the existing syllabus |

| | | | |
|------|----------|-----------------------|--|
| | | | <p>In Unit-2,</p> <ul style="list-style-type: none"> • Corrosive wear • Surface Fatigue wear • Wear of Ceramics and Polymers • Wear Measurements <p>In Unit-5,</p> <ul style="list-style-type: none"> • Materials for fluid film bearings • Materials for marginally lubricated and dry bearings |
| VIII | 818MEE10 | Advanced I.C. Engines | New course introduced |
| VIII | 818MEE11 | Biomass Energy System | <p>The following topics are included in the existing syllabus</p> <p>In Unit-4,</p> <ul style="list-style-type: none"> • Biogas plants • Types • Design constructional details and comparison <p>In Unit-5,</p> <ul style="list-style-type: none"> • Bio Diesel from edible and non-edible oils • Production of Bio diesel from Honge and Jatropha seeds • Use of bio diesel in I C engines • Blending of Bio diesel • Performance analysis of diesel engines using bio diesel |






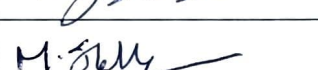

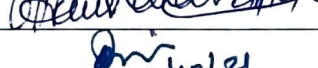


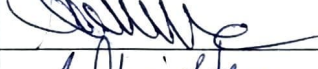
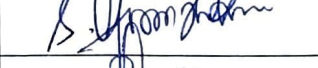

Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.




 BOS CHAIRMAN
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 BOARD OF STUDIES
 FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 130
(Autonomous)

26th BOS meeting in Faculty of Mechanical Engineering
held on **01.10.2021** at 11.00 AM.


| Sl. No. | Name | Designation | Category | Signature |
|---------|--------------------------|-------------|---|---|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  |
| 2 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  |
| 3 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  |
| 4 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  |
| 5 | Dr. M. James Selva Kumar | Member | Member of the Faculty: UG & PG Specialization: Thermal Engg. |  |
| 6 | Dr. M. Sakthivel | Member | Member of the Faculty UG & PG Specialization: Production Engg. |  |
| 7 | Dr. V. Hariharan | Member | University Nominee |  |
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| 11 | Mr. S. Gowri Shankar | Member | Industrial Representative |  |
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Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
26TH BOS MEETING HELD ON 01.10.2021




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 109

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 25th meeting of the Board of Studies in

Faculty of Mechanical Engineering held on 24.03.2021 at 11.00 AM.

25.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
3. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
4. Dr. K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
5. Dr. M. James Selva Kumar, Member, BOS / Faculty of Mechanical Engineering
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7. Dr. V. Hariharan, University Nominee
8. Dr. P. Thirumal, Academic Council Nominee
9. Dr. B. N. Ravi Kumar, Academic Council Nominee
10. Dr. Channankaiah, Academic Council Nominee
11. Mr. S. Gowri Shankar, Industrial Representative
12. Dr. J. Jenix Rino, Alumni Representative
13. Dr. J. Arivudainambi, Interdisciplinary Expert

25.1 To consider the minutes of the twenty fourth meeting of the Board of Studies in Mechanical Engineering held on 05.10.2020.

RESOLVED that the minutes of the twenty fourth meeting of the Board of Studies in Mechanical Engineering held on 05.10.2020 has been considered.

25.2 To consider the Syllabi of 7th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2018 – 19 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 7th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2018 – 19 under Regulation 2018 as per *Annexure –I* be approved.

25.3 To consider the Syllabi of 5th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2019 – 20 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 5th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2019 – 20 under Regulation 2018 (CBCS) as per *Annexure –II* be approved.

25.4 To consider the Syllabi of 3rd semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2020 –21 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 3rd semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2020 –21 under Regulation 2018 (CBCS) as per *Annexure –III* be approved.

25.5 To consider the Syllabi of 1st semester B.E. (Mechanical Engineering) to be offered for the batch of students to be admitted in 2021 –22 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 1st semester B.E. (Mechanical Engineering) to be adopted for the batch of students to be admitted in 2021 –22 under Regulation 2018 (CBCS) as per *Annexure – IV* be approved.

25.6 To consider the Syllabi of 3rd semester M.E - Engineering Design offered for the batch of students admitted in 2020–21 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 3rd semester M.E - Engineering Design adopted for the batch of students admitted in 2020–21 under Regulation 2018 (CBCS) as per *Annexure –V* be approved.

25.7 To consider the Syllabi of 1st semester M.E - Engineering Design to be offered for the batch of students to be admitted in 2021 – 22 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 1st semester M.E - Engineering Design to be offered for the batch of students to be admitted in 2021 – 22 under Regulation 2018 (CBCS) as per *Annexure – VI* be approved.

25.8 To consider the panel of Examiners for the purpose of Evaluation.

RESOLVED that the panel of Examiners for the purpose of Evaluation as per *Annexure – VII* be approved.

Date: 24.03.2021


Signature of the Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

DEPARTMENT OF MECHANICAL ENGINEERING – 25TH BOS RECOMMENDATIONS


| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
|--------------------|-------------|------------------------------------|---|
| 2020 - 2021 | | | |
| VII | 718MET01 | Automobile Engineering | <p>The following topics are included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Epicyclic and Hydromatic transmission • Universal joint • Propeller shaft <p>In Unit-5,</p> <ul style="list-style-type: none"> • Electronic Brake Distribution (EBD) • Battery • General electrical circuits • Dash board instrumentation • HVAC • Seat belts • Air bags • Layout of hybrid vehicle • working and types, electronic control system in electrical and hybrid vehicles • Basics of fuel cell vehicle |
| VII | 718MET02 | Mechatronics and Robotics | <p>The following topics are included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Stages in designing Mechatronics Systems, Traditional and Mechatronic Design • Possible Design Solutions • Autonomous mobile robot • Wireless surveillance balloon • Engine Management system • Automatic car park barrier. <p>In Unit-5,</p> <ul style="list-style-type: none"> • Teach Pendant Programming, Lead through programming • Robot programming Languages - VAL Programming • Motion Commands, Sensor Commands • End effector commands • Simple programs |
| VII | 718MET04 | Power Plant and Energy Engineering | <p>The following topics are included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Basics of Nuclear Engineering • Layout and subsystems of nuclear power plant |

| | | | |
|-----|----------|-------------------------|---|
| | | | <ul style="list-style-type: none"> • Working of Nuclear power plants • Boiling water reactor (BWR) • Pressurised water reactor (PWR) • Canada Deuterium Uranium (CANDU) reactor • Gas cooled reactor (GCR) • Fast breeder reactor (FBR) • Safety measures for nuclear power plant <p>In Unit-5,</p> <ul style="list-style-type: none"> • Cost of electric energy • Fixed and operating cost • Economics of load sharing |
| VII | 718MEP07 | Mechatronics Laboratory | <p>The following experiment is included in the existing syllabus</p> <ul style="list-style-type: none"> • Stepper motor interfacing with 8051 Micro controller for Half step resolution. • Modeling and Analysis of Basic Electrical, Hydraulic and Pneumatic Systems using LAB VIEW. • Computerized Data Logging System with control for process variables like Pressure Flow and Temperature. |
| VII | 718MEP08 | CAE Laboratory | <p>The following experiment is included in the existing syllabus</p> <ul style="list-style-type: none"> • Conductive Heat Transfer Analysis of a 2D Component. • Convective Heat Transfer Analysis of a 2D Component. • Simulation of Cam and Follower Mechanism using C / MAT Lab. • Simulation of Four Bar Mechanism using C / MAT Lab. • Simulation of Slider Crank Mechanism using C / MAT Lab. |
| VII | 718MEE05 | Cryogenics Engineering | <p>The following topics are included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Temperature measurements • Pressure measurements • Flow measurements • Liquid level measurements • Fluid quality measurements. <p>In Unit-4,</p> <ul style="list-style-type: none"> • Various factors for selection of insulations • Various types such as expanded foams • Gas filled & fibrous insulation • Vacuum insulation • Evacuated powder& fibrous insulation |

| | | | |
|--|--|--|---|
| | | | <ul style="list-style-type: none"> • Opacified powder insulation • Multi-layer insulation • Comparison of performance of various insulations. <p>In Unit-5,</p> <ul style="list-style-type: none"> • Cryogenic Dewar Design • Cryogenic Transfer Lines • Insulations in Cryogenic Systems • Operating principle of different Types of Vacuum Pumps • Instruments to measure Flow • Level and Temperature operating principles. |
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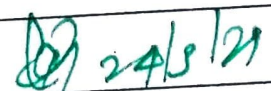
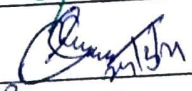
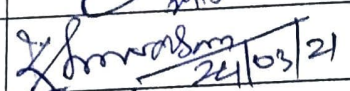
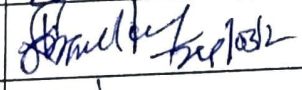

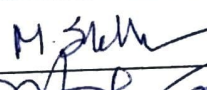

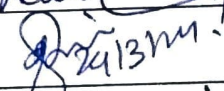
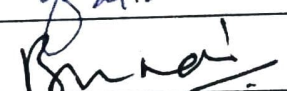

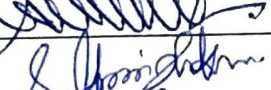
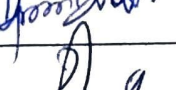
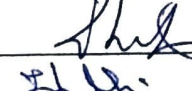
Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.




 BOS CHAIRMAN
 CHAIRMAN
 BOARD OF STUDIES
 FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635109
(Autonomous)

25th BOS meeting in Faculty of Mechanical Engineering
held on **24.03.2021** at 11.00 AM.


| Sl. No. | Name | Designation | Category | Signature |
|---------|--------------------------|-------------|---|---|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  24/3/21 |
| 2 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  |
| 3 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  24/03/21 |
| 4 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  |
| 5 | Dr. M. James Selva Kumar | Member | Member of the Faculty: UG & PG Specialization: Thermal Engg. |  |
| 6 | Dr. M. Sakthivel | Member | Member of the Faculty UG & PG Specialization: Production Engg. |  |
| 7 | Dr. V. Hariharan | Member | University Nominee |  24/3/21 |
| 8 | Dr. P. Thirumal | Member | Academic Council Nominee |  24/3/21 |
| 9 | Dr. B. N. Ravi Kumar | Member | Academic Council Nominee |  |
| 10 | Dr. Channankaiah | Member | Academic Council Nominee |  |
| 11 | Mr. S. Gowri Shankar | Member | Industrial Representative |  |
| 12 | Dr. J. Jenix Rino | Member | Alumni Representative |  |
| 13 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert |  |

 24/3/21
Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
Autonomous
Hosur - 635109.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
25TH BOS MEETING HELD ON 24.03.2021




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 109

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 24th meeting of the Board of Studies in

Faculty of Mechanical Engineering held on 05.10.2020 at 11.00 AM.

24.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
3. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
4. Dr. K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
5. Dr. M. James Selva Kumar, Member, BOS / Faculty of Mechanical Engineering
6. Dr. M. Sakthivel, Member, BOS / Faculty of Mechanical Engineering
7. Dr. V. Hariharan, University Nominee
8. Dr. P. Thirumal, Academic Council Nominee
9. Dr. B. N. Ravi Kumar, Academic Council Nominee
10. Dr. Channankaiah, Academic Council Nominee
11. Mr. S. Gowri Shankar, Industrial Representative
12. Dr. J. Jenix Rino, Alumni Representative
13. Dr. J. Arivudainambi, Interdisciplinary Expert

24.1 To consider the minutes of the twenty third meeting of the Board of Studies in Mechanical Engineering held on 06.11.2019.

RESOLVED that the minutes of the twenty third meeting of the Board of Studies in Mechanical Engineering held on 06.11.2019 has been considered.

24.2 To consider the minutes of the Board of Studies in Mechanical Engineering held on 24.06.2020.

RESOLVED that the minutes of the Board of Studies in Mechanical Engineering held on 24.06.2020 has been considered.

24.3. To consider the Syllabi of 7th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2017 – 18 under Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 7th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2017 – 18 under Regulation 2015 as per *Annexure –I* be approved.

24.4 To consider the Syllabi of 5th semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2018 – 19 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 5th semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2018 – 19 under Regulation 2018 (CBCS) as per *Annexure –II* be approved.

24.5 To consider the Syllabi of 3rd semester B.E. (Mechanical Engineering) offered for the batch of students admitted in 2019 –20 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 3rd semester B.E. (Mechanical Engineering) adopted for the batch of students admitted in 2019 –20 under Regulation 2018 (CBCS) as per *Annexure –III* be approved.

24.6 To consider the Syllabi of 3rd semester M.E - Engineering Design offered for the batch of students admitted in 2019–20 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 3rd semester M.E - Engineering Design adopted for the batch of students admitted in 2019–20 under Regulation 2018 (CBCS) as per *Annexure –IV* be approved.

24.7 To consider the Syllabi of 1st semester M.E - Engineering Design to be offered for the batch of students to be admitted in 2020 – 21 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 1st semester M.E - Engineering Design to be offered for the batch of students to be admitted in 2020 – 21 under Regulation 2018 (CBCS) as per *Annexure – V* be approved.

24.8. To consider the Syllabi of 8th semester B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2017 – 18 under Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 8th semester B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2017 – 18 under Regulation 2015 as per *Annexure –VI* be approved.

24.9 To consider the Syllabi of 6th semester B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2018 – 19 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 6th semester B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2018 – 19 under Regulation 2018 (CBCS) as per *Annexure –VII* be approved.

24.10 To consider the Syllabi of 4th semester B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2019 –20 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 4th semester B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2019 –20 under Regulation 2018 (CBCS) as per *Annexure –VIII* be approved.

24.11 To consider the Syllabi of 2nd semester B.E. (Mechanical Engineering) to be offered for the batch of students to be admitted in 2020 –21 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 2nd semester B.E. (Mechanical Engineering) to be adopted for the batch of students to be admitted in 2020 –21 under Regulation 2018 (CBCS) as per *Annexure –IX* be approved.

24.12 To consider the Syllabi of 4th semester M.E - Engineering Design to be offered for the batch of students admitted in 2019–20 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 4th semester M.E - Engineering Design to be adopted for the batch of students admitted in 2019–20 under Regulation 2018 (CBCS) as per *Annexure –X* be approved.


24.13 To consider the Syllabi of 2nd semester M.E - Engineering Design to be offered for the batch of students to be admitted in 2020 – 21 under Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 2nd semester M.E - Engineering Design to be offered for the batch of students to be admitted in 2020 – 21 under Regulation 2018 (CBCS) as per *Annexure – XI* be approved.

24.14 To consider the panel of Examiners for the purpose of Evaluation.

RESOLVED that the panel of Examiners for the purpose of Evaluation as per *Annexure – XII* be approved.

Date: 05.10.2020


Signature of the Chairman
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

| DEPARTMENT OF MECHANICAL ENGINEERING – 24 TH BOS RECOMMENDATIONS | | | |
|---|-------------|--|---|
| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
| 2020 - 2021 | | | |
| VI | 618MET01 | Principles of Management and Business Concepts | The following topics are included in the existing syllabus In Unit-4, <ul style="list-style-type: none"> • Economic Environment • International Environment • Business Ethics In Unit-5, <ul style="list-style-type: none"> • Marketing • Concept and Role of marketing • Marketing mix • Channels of distribution • Finance • Sources of Finance • Assessing business performance |
| VI | 618MET02 | Gas Dynamics and Jet Propulsion | The following topics are included in the existing syllabus In Unit-4, <ul style="list-style-type: none"> • Cycle analysis and performance of ram jet, turbojet, turbofan, turbo prop engines and pulse jet engines In Unit-5, <ul style="list-style-type: none"> • Theory of single stage and multistage rocket propulsion • Rocket performance calculations |
| VI | 618MET04 | CAD/CAM/CIM | The following topic is included in the existing syllabus In Unit-2, <ul style="list-style-type: none"> • Manual part programming of turning and milling operation In Unit-3, <ul style="list-style-type: none"> • Computer networking in CIM (LAN and MAP model) • OSI model seven layer • Network topologies: Types and advantages In Unit-5, <ul style="list-style-type: none"> • Flexible Manufacturing System: Scopes, Components, Types, Workstation, Benefits, Material handling and Storage system, Layouts, Computer control systems |
| VI | 618MEE01 | Design of Experiments | New course introduced |

| | | | |
|----|----------|--------------------------------------|---|
| VI | 618MEE02 | Professional Ethics and Human Values | <p>The following topics are included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Chernobyl Case Study • Bhopal gas tragedy <p>In Unit-4,</p> <ul style="list-style-type: none"> • Intellectual Property Rights (IPR) • Discrimination <p>In Unit-5,</p> <ul style="list-style-type: none"> • Computer Ethics • Role in Technological Development • Weapons Development |
| VI | 618MEE04 | Refrigeration and Air Conditioning | <p>The following topics are included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Window Air- Conditioner • Packaged Air-Conditioner <p>In Unit-5,</p> <ul style="list-style-type: none"> • Transport Air Conditioning • Railway Air Conditioning • Aircraft Air Conditioning |
| VI | 618MEE10 | Operation Research | New course introduced |
| VI | 618MEP07 | Computer Aided Machine Drawing | <p>The existing syllabus has been reframed with the following topics</p> <ul style="list-style-type: none"> • Code of practice for Engineering Drawing • BIS specifications • Geometric constraint and symbols • Fundamentals of Limits, Tolerances, Fits, • surface roughness and its indication in drawings • Elementary weld symbol • Preparation of production drawings and reading of part and assembly drawings |
| VI | 618MEP08 | CAM Laboratory | <p>The following experiment is included in the existing syllabus</p> <ul style="list-style-type: none"> • Develop a part program for rectangular pocket and simulate • Develop a part program for circular pocket and simulate |
| V | 518MET01 | Metrology and Instrumentation | <p>The following topic is included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Parkinson gear testing machine <p>In Unit-5,</p> <ul style="list-style-type: none"> • Temperature: bimetallic strip, thermocouples, pyrometer, electrical resistance thermistor |


| | | | |
|---|----------|--|--|
| V | 518MET03 | Dynamics of Machinery | <p>The following topic is included in the existing syllabus</p> <p>In Unit-4,</p> <ul style="list-style-type: none"> • Force transmissibility • Amplitude transmissibility • Vibration isolation <p>In Unit-5,</p> <ul style="list-style-type: none"> • Quality of governors • Effect of friction • Gyroscopic effects in Automobiles. |
| V | 518MET05 | Applied Hydraulics and Pneumatics | <p>The following topic is included in the existing syllabus</p> <p>In Unit-1,</p> <ul style="list-style-type: none"> • Darcy-Weisbach equation • Losses in pipe • valves and fittings <p>In Unit-2,</p> <ul style="list-style-type: none"> • Cushioning Mechanism in cylinder <p>In Unit-5,</p> <ul style="list-style-type: none"> • Case studies to draw the circuits of hydraulic system for the Shaping and Punching operation. |
| V | 518MEP07 | Metrology and Instrumentation Laboratory | <p>The following experiment is included in the existing syllabus</p> <ul style="list-style-type: none"> • Measurement of Vibration / Shock • Measurement of Dimensional attributes like Cylindricity, Circularity, Flatness, Straightness by using Co-ordinate Measuring Machine. |
| V | 518MEP08 | Heat Transfer Laboratory | <p>The following experiment is included in the existing syllabus</p> <ul style="list-style-type: none"> • Effectiveness of parallel flow heat exchanger. • Effectiveness of counter flow heat exchanger. • Determination of heat transfer coefficient in shell and tube heat exchanger. • Determination of COP of a refrigeration system. |
| V | 518MEP09 | Dynamics Laboratory | <p>The following experiment is included in the existing syllabus</p> <ul style="list-style-type: none"> • Transverse vibration of Free-Free beam - with and without concentrated masses. • Forced Vibration of Cantilever beam - Mode shapes and natural frequencies. • Determination of transmissibility ratio using a vibrating table. • Determination of torsional natural frequency of single and Double Rotor systems- Undamped and Damped Natural frequencies. |

| | | | |
|---|----------|----------------------------------|---|
| | | | <ul style="list-style-type: none"> • Vibration Absorber - Tuned vibration absorber. |
| V | 518MEE01 | Advanced Manufacturing Processes | <p>The following topic is included in the existing syllabus</p> <p>In Unit-5,</p> <ul style="list-style-type: none"> • Laser Beam Machining and Drilling (LBM) • Plasma Arc Machining (PAM) • Electron Beam Machining (EBM) - Principles - Equipment -Types - Beam control techniques – Applications • Introduction to 3D printing |
| V | 518MEE02 | Renewable Energy Sources | <p>The following topic is included in the existing syllabus</p> <p>In Unit-5,</p> <ul style="list-style-type: none"> • Hydrogen generation, storage, transport and utilization • Applications: power generation, transport • Fuel cells - technologies, types • Economics and the power generation. |
| V | 518MEE03 | Introduction to Nanotechnology | <p>The following topics are included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • DC/RF Magnetron Sputtering • Molecular Beam Epitaxy (MBE) <p>In Unit-4,</p> <ul style="list-style-type: none"> • X-ray Photoelectron Spectroscopy (XPS) • Auger Electron Spectroscopy (AES) • Rutherford Backscattering Spectroscopy (RBS) <p>In Unit-5,</p> <ul style="list-style-type: none"> • Nanomedicine and Nanobiotechnology • Nanotoxicology challenges. |

| | | | |
|---|----------|---------------------------------------|---|
| V | 518MEE04 | Non Destructive Testing and Materials | <p>The following topics are included in the existing syllabus</p> <p>In Unit-5,</p> <ul style="list-style-type: none"> • Basic principle, Effect of radiation of Film, Radiographic Imaging • Inspection Techniques • Single wall single image • Double wall Penetration & Multiwall Penetration technique • Comparison and selection of various NDT techniques. |
|---|----------|---------------------------------------|---|

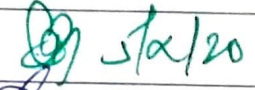
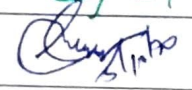

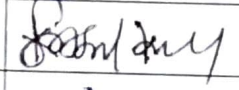


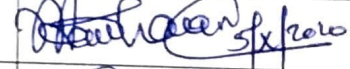

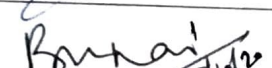
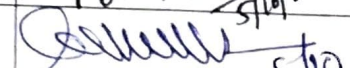
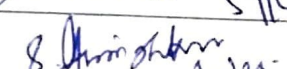


Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.




 BOS CHAIRMAN
 CHAIRMAN
 BOARD OF STUDIES
 FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635109
(Autonomous)

24th BOS meeting in Faculty of Mechanical Engineering
held on **05.10.2020** at 11.00 AM.


| Sl. No. | Name | Designation | Category | Signature |
|---------|--------------------------|-------------|---|--|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  5/10/20 |
| 2 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  5/10/20 |
| 3 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  Srinivasan |
| 4 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  Senthil Kumar |
| 5 | Dr. M. James Selva Kumar | Member | Member of the Faculty: UG & PG Specialization: Thermal Engg. |  M. Selva Kumar |
| 6 | Dr. M. Sakthivel | Member | Member of the Faculty UG & PG Specialization: Production Engg. |  M. Sakthivel 5/10/20 |
| 7 | Dr. V. Hariharan | Member | University Nominee |  Hariharan 5/10/20 |
| 8 | Dr. P. Thirumal | Member | Academic Council Nominee |  Thirumal 5/10/20 |
| 9 | Dr. B. N. Ravi Kumar | Member | Academic Council Nominee |  Ravi Kumar 5/10/20 |
| 10 | Dr. Channankaiah | Member | Academic Council Nominee |  Channankaiah 5/10 |
| 11 | Mr. S. Gowri Shankar | Member | Industrial Representative |  S. Gowri Shankar 5/10/20 |
| 12 | Dr. J. Jenix Rino | Member | Alumni Representative |  Jenix Rino 5/10/20 |
| 13 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert |  Arivudainambi 5/10/20 |


Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
24TH BOS MEETING HELD ON 05.10.2020




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 109

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 23rd meeting of the board of studies in

Faculty of Mechanical Engineering held on 06.11.2019 at 11.00 AM.

23.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
3. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
4. Dr. K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
5. Dr. M. James Selva Kumar, Member, BOS / Faculty of Mechanical Engineering
6. Dr. M. Sakthivel, Member, BOS / Faculty of Mechanical Engineering
7. Dr. M. C. Krishnamurthy, Academic Council Nominee
8. Dr. T. Senthilvelan, Academic Council Nominee
9. Dr. Channankaiah, Academic Council Nominee
10. Mr. S. K. Vijay, Industrial Representative
11. Mr. P. Arjunraj, Alumni Representative
12. Dr. J. Arivudainambi, Interdisciplinary Expert

23.1 To consider the minutes of the twenty second meeting of the Board of Studies in Mechanical Engineering.

23.2. To consider the Syllabi of 8th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2016 – 17 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 8th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2016 – 17 of Regulation 2015 as per *Annexure –I* be approved.

23.3 To consider the Syllabi of 6th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2017 – 18 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 6th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2017 – 18 of Regulation 2015 (CBCS) as per *Annexure –II* be approved.

23.4 To consider the Syllabi of 4th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2018 –19 of Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 4th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2018 –19 of Regulation 2018 (CBCS) as per *Annexure –III* be approved.

23.5 To consider the Syllabi of 2nd semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2019 – 20 of Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 2nd semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2019 – 20 of Regulation 2018 (CBCS) as per *Annexure –IV* be approved.

23.6 To consider the Syllabi of 4th semester of M.E - Engineering Design to be offered for the batch of students admitted in 2018–19 of Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 4th semester of M.E - Engineering Design to be adopted for the batch of students admitted in 2018–19 of Regulation 2018 (CBCS) as per *Annexure –V* be approved.

23.7 To consider the Syllabi of 2nd semester of M.E - Engineering Design to be offered for the batch of students admitted in 2019 – 20 of Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 2nd semester of M.E - Engineering Design to be offered for the batch of students admitted in 2019 – 20 of Regulation 2018 (CBCS) as per *Annexure –VI* be approved.

23.8 To consider the Syllabi of 4th semester of B.E. (Electronics and Instrumentation Engineering) related to B.E. Mechanical Engineering to be offered for the batch of students admitted in 2018-19 of Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 4th semester of B.E. (Electronics and Instrumentation Engineering) related to B.E. Mechanical Engineering to be offered for the batch of students admitted in 2018-19 of Regulation 2018 (CBCS) as per *Annexure –VII* be approved.


23.9 To consider the Syllabi of Ph.D course work subject.

RESOLVED that the Syllabi of Ph.D course work subject as per *Annexure –VIII* be approved.

23.10 To consider the list of Internal Examiner and External Examiner for the purpose of Evaluation.

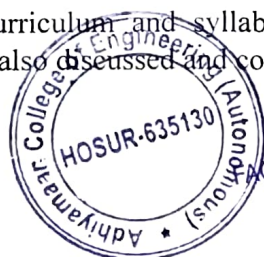
RESOLVED that the list of Internal Examiner and External Examiner for the purpose of Evaluation as per *Annexure – IX* be approved.

Date: 06.11.2019


Signature of the Chairman
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

| DEPARTMENT OF MECHANICAL ENGINEERING – 23 TH BOS RECOMMENDATIONS | | | |
|---|-------------|-------------------------|--|
| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
| 2019 - 2020 | | | |
| IV | 418MET02 | Kinematics of Machinery | The following topics are included in the existing syllabus In Unit-5, <ul style="list-style-type: none"> Numbers and Dimensional synthesis- Functional generation path generation and motion generation- Graphical methods Two and three position synthesis of slider crank and four bar mechanism using function generation method Frudenstein Equation |
| IV | 418MET03 | Thermal Engineering | The following topics are included in the existing syllabus In Unit-3, <ul style="list-style-type: none"> Chemical reaction, fuel properties Flue gas analysis, heating values HCF and LCF analysis Minimum air flow requirement for combustion Fuel ratings: Octane and Cetane numbers Knocking / detonation Adiabatic flame temperature In Unit-4, <ul style="list-style-type: none"> Concepts of supercharging and turbo charging Emission measurement Emission reduction techniques |
| IV | 418MET04 | Strength of Materials | The existing syllabus has been reframed with the following topics In Unit-3, <ul style="list-style-type: none"> Springs in series and parallel In Unit-4, <ul style="list-style-type: none"> Area moment method for deflection of beams In Unit-5, <ul style="list-style-type: none"> Thick cylinder Lami's theorem for thick cylinder Deformation in thick cylinder |

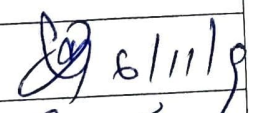
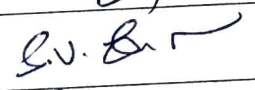
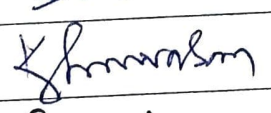
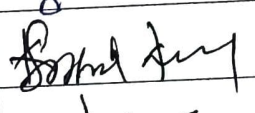
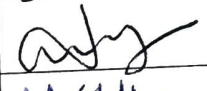
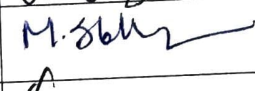


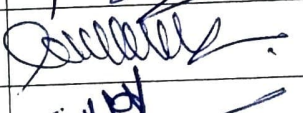

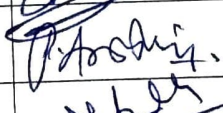
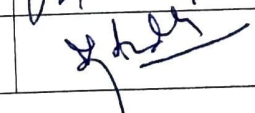
Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.



CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhivamaan College of Engineering
(Autonomous) BOS CHAIRMAN
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635109
(Autonomous)

23rd BOS meeting in Faculty of Mechanical Engineering
held on **06.11.2019** at 10.00 AM.

| Sl. No. | Name | Designation | Category | Signature |
|---------|--------------------------|-------------|---|---|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  |
| 2 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  |
| 3 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  |
| 4 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  |
| 5 | Dr. M. James Selva Kumar | Member | Member of the Faculty: UG & PG Specialization: Thermal Engg. |  |
| 6 | Dr. M. Sakthivel | Member | Member of the Faculty UG & PG Specialization: Production Engg. |  |
| 7 | Dr. M. C. Krishnamurthy | Member | Academic Council Nominee |  |
| 8 | Dr. T. Senthilvelan | Member | Academic Council Nominee |  |
| 9 | Dr. Channankaiah | Member | Academic Council Nominee |  |
| 10 | Mr. S. K. Vijay | Member | Industrial Representative |  |
| 11 | Mr. P. Arjunraj | Member | Alumni Representative |  |
| 12 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert |  |

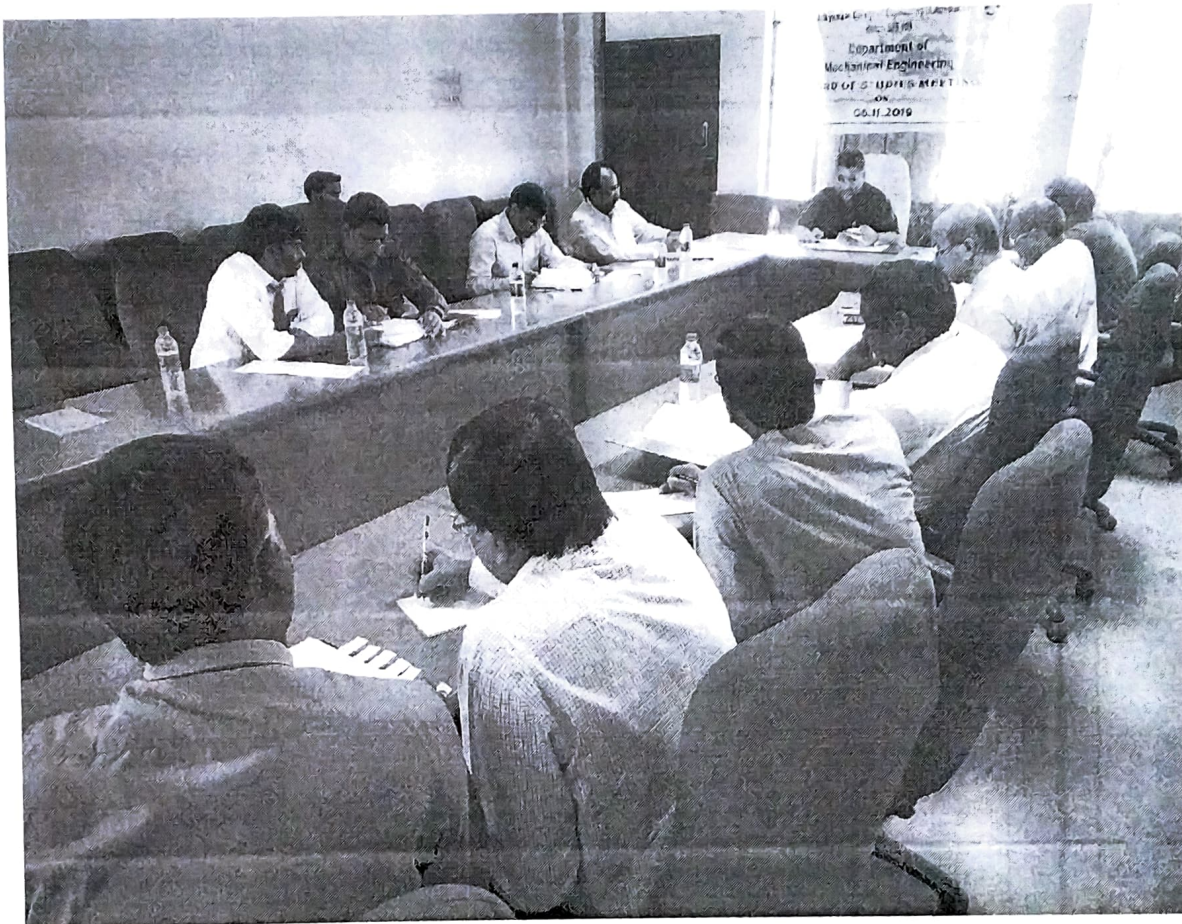

Chairman


CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
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Hosur - 635 109.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

23RD BOS MEETING HELD ON 06.11.2019




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 109

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 22nd meeting of the board of studies in

Faculty of Mechanical Engineering held on 24.04.2019 at 11.00 AM.

22.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. Channankaiah, Member, BOS / Faculty of Mechanical Engineering
3. Dr. S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
4. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
5. Dr. K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
6. Dr. M. James Selva Kumar, Member, BOS / Faculty of Mechanical Engineering
7. Dr. S. Balasivanandha Prabhu, University Nominee
8. Dr. M. C. Krishnamurthy, Academic Council Nominee
9. Dr. T. Senthivelan, Academic Council Nominee
10. Mr. S. K. Vijay, Industrial Representative
11. Mr. P. Arjunraj, Alumni Representative
12. Dr. J. Arivudainambi, Interdisciplinary Expert

22.1 To consider the minutes of the twenty first meeting of the Board of Studies in Mechanical Engineering.

22.2. To consider the Syllabi of 7th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2016 – 17 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 7th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2016 – 17 of Regulation 2015 as per *Annexure –I* be approved.

22.3 To consider the Syllabi of 5th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2017 – 18 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 5th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2017 – 18 of Regulation 2015 (CBCS) as per *Annexure –II* be approved.

22.4 To consider the Syllabi of 3rd semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2018 –19 of Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 3rd semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2018 –19 of Regulation 2018 (CBCS) as per *Annexure –III* be approved.

22.5 To consider the Syllabi of 1st semester of B.E. (Mechanical Engineering) to be offered for the batch of students to be admitted in 2019 – 20 of Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 1st semester of B.E. (Mechanical Engineering) to be adopted for the batch of students to be admitted in 2019 – 20 of Regulation 2018 (CBCS) as per *Annexure – IV* be approved.

22.6 To consider the Syllabi of 3rd semester of M.E - Engineering Design to be offered for the batch of students admitted in 2018–19 of Regulation 2018 (CBCS).

RESOLVED that the Syllabi of 3rd semester of M.E - Engineering Design to be adopted for the batch of students admitted in 2018–19 of Regulation 2018 (CBCS) as per *Annexure –V* be approved.


22.7 To consider the Syllabi of 1st semester of M.E - Engineering Design to be offered for the batch of students to be admitted in 2019 – 20 of Regulation 2018.

RESOLVED that the Syllabi of 1st semester of M.E - Engineering Design to be offered for the batch of students to be admitted in 2019 – 20 of Regulation 2018 as per *Annexure –VI* be approved.

22.8 To consider the Syllabi of Ph.D course work subject.

RESOLVED that the Syllabi of Ph.D course work subject as per *Annexure –VII* be approved.

Date: 24.04.2019

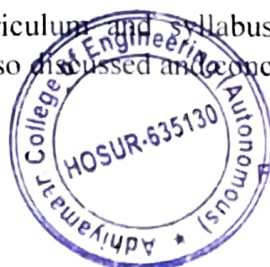

Signature of the Chairman
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

DEPARTMENT OF MECHANICAL ENGINEERING – 22TH BOS RECOMMENDATIONS

| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
|-------------------------------|-------------|--|---|
| 2018 - 2019 | | | |
| III | 318MET04 | Composite Materials | <p>The existing syllabus has been reframed with the following topics</p> <p>In Unit-2,</p> <ul style="list-style-type: none"> • Pre-pregs process • Auto Clave method • Fibre reinforced plastics (FRP) • Glass Fibre Reinforced Plastics (GFRP) • Recycling of PMCs <p>In Unit-4,</p> <ul style="list-style-type: none"> • Carbon Carbon Composites • Applications of CMC in automotive industries <p>In Unit-5,</p> <ul style="list-style-type: none"> • Macro mechanical behaviour of laminates • Interfacing bonding mechanics |
| III | 318MET05 | Manufacturing Technology I | <p>The existing syllabus has been reframed with the following topics</p> <p>In Unit-2,</p> <ul style="list-style-type: none"> • Friction Stir Welding. • Weld defects • Brazing process • Soldering process <p>In Unit-5,</p> <ul style="list-style-type: none"> • Introduction to Blow moulding • Rotational moulding • Extrusion • Thermoforming • Bonding of Thermoplastics • Types of Adhesive bonding |
| III | 318MEP08 | Manufacturing Technology I Laboratory | <p>The following experiment is included in the existing syllabus</p> <ul style="list-style-type: none"> • Injection Moulding • Spot Welding. |
| M.E ENGINEERING DESIGN | | | |
| III | 318EDE02 | Engineering Materials and their applications | New Course Introduced |
| III | 318EDE03 | Product Life Cycle Management | <p>The following experiment is included in the existing syllabus</p> <p>In Unit-5,</p> <ul style="list-style-type: none"> • Intelligent Information Systems • Knowledge based product and process models • Applications of soft computing in product development process |

| | | | |
|-----|----------|---|--|
| | | | <ul style="list-style-type: none"> Advanced database design for integrated manufacturing |
| III | 318EDE05 | Vibration Control and Condition Monitoring | <p>The following experiment is included in the existing syllabus</p> <p>In Unit-4,</p> <ul style="list-style-type: none"> Vibration monitoring techniques Instrumentation systems Choice of monitoring parameter <p>In Unit-5,</p> <ul style="list-style-type: none"> Face peripheral dial indicator method Reverse indicator method |
| III | 318EDE07 | Surface Engineering | <p>The following experiment is included in the existing syllabus</p> <p>In Unit-2,</p> <ul style="list-style-type: none"> International standards in friction and wear measurements <p>In Unit-4,</p> <ul style="list-style-type: none"> Nano-engineered coatings Other coatings Corrosion resistant coatings <p>In Unit-5,</p> <ul style="list-style-type: none"> Bio Tribology Nano Tribology |
| III | 318EDE09 | Mechanical Behaviour of Engineering Materials | <p>The following experiment is included in the existing syllabus</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> Factor and fracture toughness Elementary discussions on linear elastic and Elastic <p>In Unit-4,</p> <ul style="list-style-type: none"> Application of fracture mechanics to fatigue crack propagation Effect of temperature on fatigue <p>In Unit-5,</p> <ul style="list-style-type: none"> Practical application of creep data Accelerated creep testing Time – temperature parameters for conversion of creep data |
| III | 318EDE13 | Research Methodology and IPR | New Course Introduced |

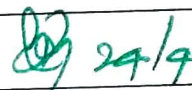

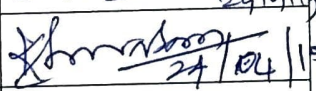
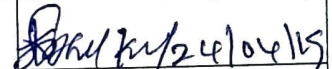






Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.




CHAIRMAN
 BOARD OF STUDIES
 FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635109
(Autonomous)


22nd BOS meeting in Faculty of Mechanical Engineering
held on **24.04.2019** at 11.00 AM.

| Sl. No. | Name | Designation | Category | Signature |
|---------|------------------------------|-------------|---|--|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  24/4 |
| 2 | Dr. Channankaiah | Member | Member of the Faculty : UG & PG Specialization: Foundry Engg. |  |
| 3 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. | S.V. Su 24/4/19 |
| 4 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  24/04/19 |
| 5 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  24/04/19 |
| 6 | Dr. M. James Selva Kumar | Member | Member of the Faculty: UG & PG Specialization: Machine Design |  |
| 7 | Dr. S. Balasivanandha Prabhu | Member | University Nominee |  24/4 |
| 8 | Dr. M. C. Krishnamurthy | Member | Academic Council Nominee |  |
| 9 | Dr. T. Senthivelan | Member | Academic Council Nominee | T.S. |
| 10 | Mr. S. K. Vijay | Member | Industrial Representative |  |
| 11 | Mr. P. Arjunraj | Member | Alumni Representative |  |
| 12 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert |  |


 Chairman
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
22ND BOS MEETING HELD ON 24.04.2019




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 109

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 21st meeting of the board of studies in

Faculty of Mechanical Engineering held on 01.11.2018 at 10.30 AM.

21.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. Channankaiah, Member, BOS / Faculty of Mechanical Engineering
3. Dr. S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
4. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
5. Dr. K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
6. Dr. M. James Selva Kumar, Member, BOS / Faculty of Mechanical Engineering
7. Dr. S. Balasivanandha Prabhu, University Nominee
8. Dr. M. C. Krishnamurthy, Academic Council Nominee
9. Dr. T. Senthilvelan, Academic Council Nominee
10. Mr. S. K. Vijay, Industrial Representative
11. Mr. P. Arjunraj, Alumni Representative
12. Dr. J. Arivudainambi, Interdisciplinary Expert

21.1 To consider the minutes of the twentieth meeting of the Board of Studies in Mechanical Engineering.

21.2. To consider the Syllabi of 8th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2015 – 16 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 8th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2015 – 16 of Regulation 2015 as per *Annexure –I* be approved.

21.3 To consider the Syllabi of 6th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2016 – 17 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 6th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2016 – 17 of Regulation 2015 (CBCS) as per *Annexure –II* be approved.

21.4 To consider the Syllabi of 4th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2017 –18 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 4th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2017 –18 of Regulation 2015 (CBCS) as per *Annexure –III* be approved.

21.5 To consider the Syllabi of 4th semester of M.E - Engineering Design to be offered for the batch of students admitted in 2017–18 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 4th semester of M.E - Engineering Design to be adopted for the batch of students admitted in 2017–18 of Regulation 2015 (CBCS) as per *Annexure –IV* be approved.

21.6 To consider the resolution pertaining to Regulation 2018 (CBCS) for UG and PG. (*Annexure –V*)

- a) IA (Internal Assessment) & EA (External Assessment) Marks Ratio
- b) Continuous Assessment (IA) Marks Allocation
- c) End Assessment Question Paper Pattern
- d) One credit courses over and above the total credits to be earned

RESOLVED that the resolution pertaining to Regulation 2018 (CBCS) for UG and PG as per *Annexure –V* be approved.

21.7 To consider the Curriculum and Syllabi of 2nd semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2018 – 19 of Regulation 2018 (CBCS).

RESOLVED that the Curriculum and Syllabi of 2nd semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2018 – 19 of Regulation 2018 (CBCS) as per *Annexure –VI* be approved.

21.8 To consider the Curriculum and Syllabi of 2nd semester of M.E - Engineering Design to be offered for the batch of students admitted in 2018 – 19 of Regulation 2018.

RESOLVED that the Curriculum and Syllabi of 2nd semester of M.E - Engineering Design to be offered for the batch of students admitted in 2018 – 19 of Regulation 2018 as per *Annexure –VII* be approved.

21.9 To consider the list of Internal Examiner and External Examiner for the purpose of Evaluation.

RESOLVED that the list of Internal Examiner and External Examiner for the purpose of Evaluation as per *Annexure – VIII* be approved.

Date: 01.11.2018


Signature of the Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.


DEPARTMENT OF MECHANICAL ENGINEERING – 21TH BOS RECOMMENDATIONS

| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
|--------------------|-------------|--|---|
| 2018 - 2019 | | | |
| VIII | 815MET01 | Automobile Engineering | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Electronic Stability Program(ESP) • Traction Control System (TCS) • Global Positioning System (GPS) • Electric - Hybrid vehicle. |
| VIII | 815MEE01 | Supply Chain Management | The existing syllabus has been reframed with the following topics In Unit-2, <ul style="list-style-type: none"> • Integrated Logistics Concepts • Activities - Measuring logistics cost and performance • Warehouse Management |
| VIII | 815MEE03 | Fracture Mechanics | The existing syllabus has been reframed with the following topics In Unit-4, <ul style="list-style-type: none"> • S-N Curve • Crack growth integration • Fatigue crack growth laws |
| VIII | 815MEE04 | Industrial Safety and Hazards Management | The existing syllabus has been reframed with the following topics In Unit-3, <ul style="list-style-type: none"> • Hazards indices- Dow and Mond indices • Hazard operability (HAZOP) • Hazard analysis (HAZAN) |
| VIII | 815MEE06 | Nuclear Engineering | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Radiation hazards and their prevention • Weapons proliferation |
| VIII | 815MEE11 | Biomass Energy System | The existing syllabus has been reframed with the following topics In Unit-3, <ul style="list-style-type: none"> • Liquefaction through pyrolysis & Methanol synthesis |
| VIII | 815MEE12 | Cogeneration and Waste Heat Recovery Systems | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Procedure for optimized system selection and design • Load curves • Sensitivity analysis • Regulatory and financial frame work for cogeneration and waste heat recovery |

| | | | systems |
|-------------------------------|----------|----------------------------------|---|
| M.E ENGINEERING DESIGN | | | |
| II | 218EDT01 | Tribology in Design | <p>The existing syllabus has been reframed with the following topics</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Introduction to Elasto - hydrodynamic lubricated bearings • Introduction to 'EHL' constant • Grubin type solution <p>In Unit-5,</p> <ul style="list-style-type: none"> • Principles of Aerospace eccentric bearing test mechanism • Engine Tribology |
| II | 218EDT03 | Integrated Mechanical Design | New Course Introduced |
| II | 218EDT04 | Mechanisms Design and Simulation | New Course Introduced |
| II | 218EDE02 | Integrated Manufacturing Systems | <p>The existing syllabus has been reframed with the following topics</p> <p>In Unit-4,</p> <ul style="list-style-type: none"> • Contact inspection methods non-contact inspection method • Computer Aided Testing • Integration of CAQC with CAD/CAM <p>In Unit-5,</p> <ul style="list-style-type: none"> • Rapid prototyping • Artificial Intelligence and Expert system in CIM. |
| II | 218EDE08 | Plates and Shell | New Course Introduced |


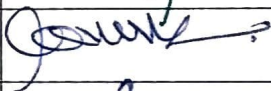








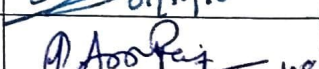
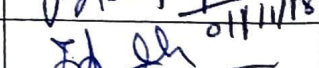
Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.




 BOS CHAIRMAN
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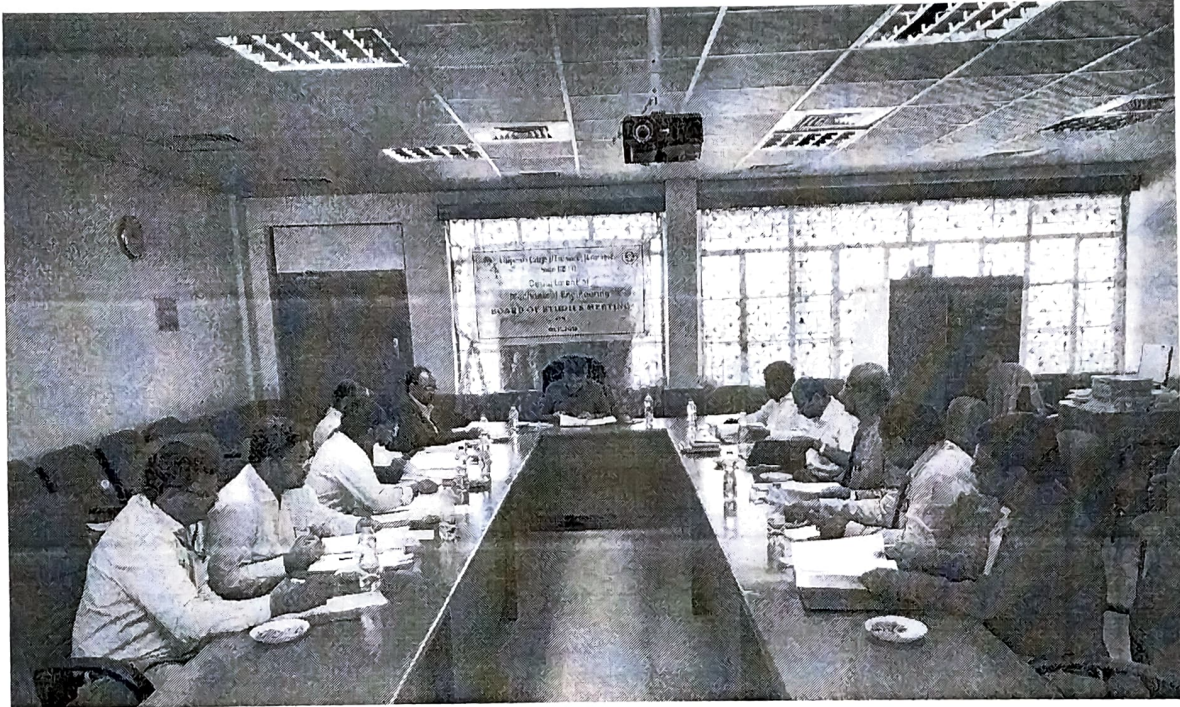
21st BOS meeting in Faculty of Mechanical Engineering
held on **01.11.2018** at 10.30 AM.


| Sl. No. | Name | Designation | Category | Signature |
|---------|------------------------------|-------------|---|---|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  |
| 2 | Dr. Channankaiah | Member | Member of the Faculty : UG & PG Specialization: Foundry Engg. |  |
| 3 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  |
| 4 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  |
| 5 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  |
| 6 | Dr. M. James Selva Kumar | Member | Member of the Faculty: UG & PG Specialization: Machine Design |  |
| 7 | Dr. S. Balasivanandha Prabhu | Member | University Nominee |  |
| 8 | Dr. M. C. Krishnamurthy | Member | Academic Council Nominee |  |
| 9 | Dr. T. Senthilvelan | Member | Academic Council Nominee |  |
| 10 | Mr. S. K. Vijay | Member | Industrial Representative |  01/11/18 |
| 11 | Mr. P. Arjunraj | Member | Alumni Representative |  01/11/18 |
| 12 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert |  01/11/18 |


Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
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ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
21ST BOS MEETING HELD ON 01.11.2018




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 109

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 20th meeting of the board of studies in

Faculty of Mechanical Engineering held on 23.04.2018 at 10.30AM.

20.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. Channankaiah, Member, BOS / Faculty of Mechanical Engineering
3. Dr.S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
4. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
5. Dr.K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
6. Dr.P.R. Thyala, Academic Council Nominee
7. Dr. V. Hariharan, Academic Council Nominee
8. Dr. G. Nagarajan, University Nominee
9. Dr. Shyam S Rao, Industrial Representative

20.1 To consider the minutes of the nineteenth meeting of the Board of Studies in Mechanical Engineering.

20.2. To consider the Curriculum and Syllabi of 7th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2015 – 16 of Regulation 2015 (CBCS).

RESOLVED that the Curriculum and Syllabi of 7th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2015 – 16 of Regulation 2015 (CBCS) as per *Annexure –I* be approved.

20.3 To consider the Syllabi of 5th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2016 – 17 of Regulation 2015.

RESOLVED that the Syllabi of 5th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2016 – 17 of Regulation 2015 as per *Annexure–II* be approved.

20.4 To consider the Syllabi of 3rd semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2017 –18 of Regulation 2015.

RESOLVED that the Syllabi of 3rd semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2017 –18 of Regulation 2015 *as per Annexure-III* be approved.

20.5 To consider the Curriculum and Syllabi of 1st semester of B.E. (Mechanical Engineering) to be offered for the batch of students to be admitted in 2018 – 19 of Regulation 2018 (CBCS).

RESOLVED that the Curriculum and Syllabi of 1st semester of B.E. (Mechanical Engineering) to be adopted for the batch of students to be admitted in 2018 – 19 of Regulation 2018 (CBCS) as per *Annexure –IV* be approved.

20.6 To consider the Curriculum and Syllabi of 3rd semester of M.E - Engineering Design to be offered for the batch of students admitted in 2017–18 of Regulation 2015 (CBCS).

RESOLVED that the Curriculum and Syllabi of 3rd semester of M.E - Engineering Design to be adopted for the batch of students admitted in 2017–18 of Regulation 2015 (CBCS) as per *Annexure –V* be approved.

20.7 To consider the Curriculum and Syllabi of 1st semester of M.E - Engineering Design to be offered for the batch of students to be admitted in 2018 – 19 of Regulation 2018 (CBCS).

RESOLVED that the Curriculum and Syllabi of 1st semester of M.E - Engineering Design to be offered for the batch of students to be admitted in 2018 – 19 of Regulation 2018 (CBCS) as per *Annexure –VI* be approved.

Date: 23.04.2018



Signature of the Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.


DEPARTMENT OF MECHANICAL ENGINEERING – 20TH BOS RECOMMENDATIONS

| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
|--------------------------------------|-------------|--|--|
| 2017 - 2018 | | | |
| VII | 715MET03 | Power Plant and Energy Engineering | The existing syllabus has been reframed with the following topics In Unit-3, <ul style="list-style-type: none"> • Waste disposal and safety In Unit-5, <ul style="list-style-type: none"> • Types of tariffs • Economics of load sharing |
| VII | 715MET04 | Composite Materials | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • In-situ composites • Nano composites |
| VII | 715MEP09 | CAE Laboratory | The following experiment is included in the existing syllabus <ul style="list-style-type: none"> • Simulation of Four Bar Mechanism using C / MAT Lab. • Simulation of Slider Crank Mechanism using C / MAT Lab. |
| VII | 715MEE03 | Six Sigma and Lean Manufacturing | The existing syllabus has been reframed with the following topics In Unit-2, <ul style="list-style-type: none"> • Finished Goods Stock • Cycle Stock • Buffer Stock • Safety Stock |
| VII | 715MEE07 | Artificial Intelligence and Expert Systems | The existing syllabus has been reframed with the following topics In Unit-4, <ul style="list-style-type: none"> • Machine Learning • Adaptive Learning In Unit-5, <ul style="list-style-type: none"> • Typical Expert Systems – MYCIN, DART, XOON • Expert System Shells. |
| VII | 715MEE08 | Design of Thermal Equipment | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Heat balance • Heat transfer by simultaneous diffusion and convection • Design of cooling towers • Calculation of cooling tower performance |
| Value Added Courses are recommended. | | | |

| M.E ENGINEERING DESIGN | | | |
|------------------------|----------|-----------------------------------|--|
| I | 118EDT01 | Concepts of Engineering Design | <p>The existing syllabus has been reframed with the following topics</p> <p>In Unit-3,</p> <ul style="list-style-type: none"> • Design for brittle fracture • Design for fatigue failure • Design for corrosion resistance • Designing with plastics <p>In Unit-5,</p> <ul style="list-style-type: none"> • Life Cycle Assessment • Material recycling and remanufacture |
| I | 118EDT05 | Optimization Techniques in Design | New Course Introduced |
| I | 118EDE04 | Composite Materials and Mechanics | New Course Introduced |

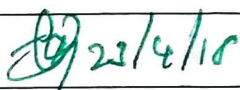



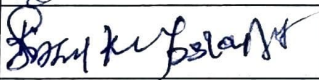

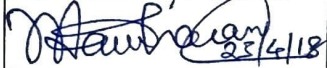
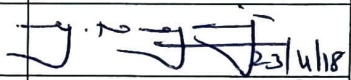
Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.

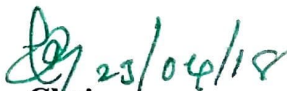



 BOS CHAIRMAN
 CHAIRMAN
 BOARD OF STUDIES
 FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635109
(Autonomous)

20th BOS meeting in Faculty of Mechanical Engineering
held on **23. 04.2018** at 10.30 AM.

| Sl. No. | Name | Designation | Category | Signature |
|---------|----------------------|-------------|---|---|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  |
| 2 | Dr. Channankaiah | Member | Member of the Faculty : UG & PG Specialization: Foundry Engg. |  |
| 3 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  |
| 4 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  |
| 5 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  |
| 6 | Dr. Halesh Koti | Member | Member of the Faculty: UG & PG Specialization: Machine Design | ← ABSENT → |
| 7 | Dr.P.R. Thyla | Member | Academic Council Nominee |  |
| 8 | Dr. V. Hariharan | Member | Academic Council Nominee |  |
| 9 | Dr. G. Nagarajan | Member | University Nominee |  |
| 10 | Dr. Shyam S Rao | Member | Industrial Representative | ← ABSENT → |
| 11 | Mr. U.Vinoth | Member | Alumni Representative | ← ABSENT → |
| 12 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert | ← ABSENT → |



 23/04/18
Chairman
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

20TH BOS MEETING HELD ON 23.04.2018




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 109

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 19th meeting of the board of studies in

Faculty of Mechanical Engineering held on 26.10.2017 at 10.30 AM.

19.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. Channankaiah, Member, BOS / Faculty of Mechanical Engineering
3. Dr.S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
4. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
5. Dr. K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
6. Dr. Halesh Koti, Member, BOS / Faculty of Mechanical Engineering
7. Dr. V. Hariharan, Academic Council Nominee
8. Dr. G. Nagarajan, University Nominee
9. Dr. Shyam S Rao, Industrial Representative
10. Dr. J. Ariyudainambi, Interdisciplinary Expert

19.1 To consider the minutes of the eighteenth meeting of the Board of Studies in Mechanical Engineering.

19.2. To consider the Curriculum and Syllabi of 8th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2014 – 15 of Regulation 2011.

RESOLVED that the Curriculum and Syllabi of 8th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2014 – 15 of Regulation 2011 as per **Annexure –I** be approved.

19.3 To consider the Curriculum and Syllabi of 6th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2015 – 16 of Regulation 2015 (CBCS).

RESOLVED that the Curriculum and Syllabi of 6th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2015 – 16 of Regulation 2015 (CBCS) as per **Annexure –II** be approved.

19.4 To consider the Syllabi of 4th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2016 –17 of Regulation 2015.

RESOLVED that the Syllabi of 4th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2016 –17 of Regulation 2015 as per *Annexure -III* be approved.

19.5 To consider the Syllabi of 2nd semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2017 – 18 of Regulation 2015.

RESOLVED that the Syllabi of 2nd semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2017 – 18 of Regulation 2015 as per *Annexure -IV* be approved.

19.6 To consider the Curriculum and Syllabi of 4th semester of M.E - Engineering Design and M.E - Computer Aided Design to be offered for the batch of students admitted in 2016–17 of Regulation 2015 (CBCS).

RESOLVED that the Curriculum and Syllabi of 4th semester of M.E - Engineering Design and M.E - Computer Aided Design to be adopted for the batch of students admitted in 2016–17 of Regulation 2015 (CBCS) as per *Annexure -V* be approved.

19.7 To consider the Syllabi of 2nd semester of M.E - Engineering Design and M.E - Computer Aided Design to be offered for the batch of students admitted in 2017 – 18 of Regulation 2015.

RESOLVED that the Syllabi of 2nd semester of M.E - Engineering Design and M.E - Computer Aided Design to be offered for the batch of students admitted in 2017 – 18 of Regulation 2015 as per *Annexure -VI* be approved.

19.8 To consider the Syllabi of 6th semester of B.Arch. Building Services III (Department of Architecture) related to B.E. Mechanical Engineering to be offered for the batch of students admitted in 2015-16 of Regulation 2015 (CBCS).

RESOLVED that the Syllabi of 6th semester of B.Arch. Building Services III (Department of Architecture) related to B.E. Mechanical Engineering to be offered for the batch of students admitted in 2015-16 of Regulation 2015 (CBCS) as per *Annexure -VII* be approved.


Date: 26.10.2017


Signature of the Chairman
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adikavi Nannayana College of Engineering
(Autonomous)
Bangalore - 562 109

| DEPARTMENT OF MECHANICAL ENGINEERING – 19 TH BOS RECOMMENDATIONS | | | |
|---|-------------|--|--|
| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
| 2017 - 2018 | | | |
| VI | 615MET04 | CAD/CAM/CIM | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Flexible Manufacturing System: Scopes, Components, Types, Workstation, Benefits, Material handling and Storage system, Layouts, Computer control systems |
| VI | 615MEE01 | Industrial Relation and Organizational Development | The existing syllabus has been reframed with the following topics In Unit-3, <ul style="list-style-type: none"> • Diseases • Psychological problems • Counseling • Statutory Provisions In Unit-5, <ul style="list-style-type: none"> • HR functions and Strategic Change Management • Implications for practicing Managers |
| VI | 615MEE06 | Metal Forming Techniques | The existing syllabus has been reframed with the following topics In Unit-3, <ul style="list-style-type: none"> • Tube drawing and sinking processes • Mannesmann process of seamless pipe manufacturing • Tube bending |
| VI | 615MEE09 | Additive Manufacturing | The existing syllabus has been reframed with the following topics In Unit-4, <ul style="list-style-type: none"> • 3-Dimensional Printing • Genesis Xs Printer • JP 5 System • Objects Quadra System |
| VI | 615MEE12 | Non Destructive Testing and Materials | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Double wall Penetration • Multiwall Penetration technique |

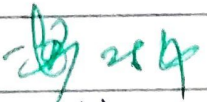
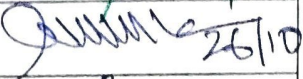


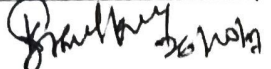
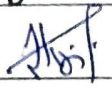
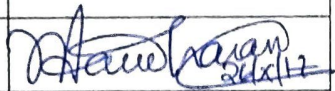
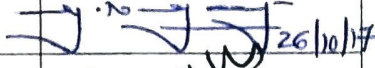
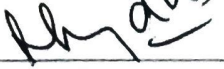

Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.





 CHAIRMAN
 BOARD OF STUDIES
 FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635109
(Autonomous)


19th BOS meeting in Faculty of Mechanical Engineering
held on **26.10.2017** at 10.30 AM.

| Sl. No. | Name | Designation | Category | Signature |
|---------|----------------------|-------------|---|---|
| 1 | Dr. G. Ranganath | Chairman | Member of the Faculty : UG & PG Specialization: Machine Design |  |
| 2 | Dr. Channankaiah | Member | Member of the Faculty : UG & PG Specialization: Foundry Engg. |  |
| 3 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  |
| 4 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  |
| 5 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  |
| 6 | Dr. Halesh Koti | Member | Member of the Faculty: UG & PG Specialization: Machine Design |  |
| 7 | Dr.P.R. Thyla | Member | Academic Council Nominee | ← ABSENT → |
| 8 | Dr. V. Hariharan | Member | Academic Council Nominee |  |
| 9 | Dr. G. Nagarajan | Member | University Nominee |  |
| 10 | Dr. Shyam S Rao | Member | Industrial Representative |  |
| 11 | Mr. U.Vinoth | Member | Alumni Representative | ← ABSENT → |
| 12 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert |  |


CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
 Adhiyamaan College of Engineering
 (Autonomous)
 Hosur - 635 109.

ADHIYAMAAN COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
19TH BOS MEETING HELD ON 26.10.2017




BOS CHAIRMAN
CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.

Adhiyamaan College of Engineering, Hosur – 635 109

(Autonomous)

Board of Studies meeting in Faculty of Mechanical Engineering

Minutes of the 18th meeting of the board of studies in

Faculty of Mechanical Engineering held on 08.04.2017 at 10.00 AM.

18.0. MEMBERS PRESENT

1. Dr. G. Ranganath, Chairman, BOS / Faculty of Mechanical Engineering
2. Dr. Channankaiah, Member, BOS / Faculty of Mechanical Engineering
3. Dr. D.Shivalingappa, Member, BOS / Faculty of Mechanical Engineering
4. Dr.S.V.Suresh Babu, Member, BOS / Faculty of Mechanical Engineering
5. Dr. K. Srinivasan, Member, BOS / Faculty of Mechanical Engineering
6. Dr. K.Senthil Kumar, Member, BOS / Faculty of Mechanical Engineering
7. Prof. Halesh Koti, Member, BOS / Faculty of Mechanical Engineering
8. Dr.P.R. Thyla, Academic Council Nominee
9. Dr. V. Hariharan, Academic Council Nominee
10. Dr. G. Nagarajan, University Nominee
11. Dr. Shyam S Rao, Industrial Representative
12. Mr. U.Vinoth, Alumni Representative
13. Dr. J. Arivudainambi, Interdisciplinary Expert

18.1 To consider the minutes of the seventeenth meeting of the Board of Studies in Mechanical Engineering.

18.2. To consider the Curriculum and Syllabi of 7th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2014 – 15 of Regulation 2011.

RESOLVED that the Curriculum and Syllabi of 7th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2014 – 15 of Regulation 2011 as per *Annexure –I* be approved.

18.3 To consider the Curriculum and Syllabi of 5th semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2015 – 16 of Regulation 2015 (CBCS).

RESOLVED that the Curriculum and Syllabi of 5th semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2015 – 16 of Regulation 2015 (CBCS) as per *Annexure –II* be approved.

18.4 To consider the Syllabi of 3rd semester of B.E. (Mechanical Engineering) to be offered for the batch of students admitted in 2016 –17 of Regulation 2015.

RESOLVED that the Syllabi of 3rd semester of B.E. (Mechanical Engineering) to be adopted for the batch of students admitted in 2016 –17 of Regulation 2015 as per *Annexure –III* be approved.

18.5 To consider the Syllabi of 1st semester of B.E. (Mechanical Engineering) to be offered for the batch of students to be admitted in 2017 – 18 of Regulation 2015.

RESOLVED that the Syllabi of 1st semester of B.E. (Mechanical Engineering) to be adopted for the batch of students to be admitted in 2017 – 18 of Regulation 2015 as per *Annexure –IV* be approved.

18.6 To consider the Curriculum and Syllabi of 3rd semester of M.E - Engineering Design and M.E - Computer Aided Design to be offered for the batch of students admitted in 2016–17 of Regulation 2015 (CBCS).

RESOLVED that the Curriculum and Syllabi of 3rd semester of M.E - Engineering Design and M.E - Computer Aided Design to be adopted for the batch of students admitted in 2016–17 of Regulation 2015 (CBCS) as per *Annexure –V* be approved.

18.7 To consider the Syllabi of 1st semester of M.E - Engineering Design and M.E - Computer Aided Design to be offered for the batch of students to be admitted in 2017 – 18 of Regulation 2015.

RESOLVED that the Syllabi of 1st semester of M.E - Engineering Design and M.E - Computer Aided Design to be offered for the batch of students to be admitted in 2017 – 18 of Regulation 2015 as per *Annexure –VI* be approved.

Date: 08.04.2017


Signature of the Chairman

CHAIRMAN
BOARD OF STUDIES
FACULTY OF MECHANICAL ENGINEERING
Adhiyamaan College of Engineering
(Autonomous)
Hosur - 635 109.


DEPARTMENT OF MECHANICAL ENGINEERING – 18TH BOS RECOMMENDATIONS

| Sem | Course Code | Name of the Course | Remarks (New course introduced/contents incorporated in the corresponding course) |
|-------------|-------------|-----------------------------------|---|
| 2016 - 2017 | | | |
| V | 515MET01 | Metrology and Instrumentation | The existing syllabus has been reframed with the following topics In Unit-4, <ul style="list-style-type: none"> • Coordinate Measuring Machine (CMM): need, construction, types, applications • Computer Aided Inspection |
| V | 515MET02 | Heat and Mass Transfer | The existing syllabus has been reframed with the following topics In Unit-4, <ul style="list-style-type: none"> • Radiation shield • Heat exchange between two grey surfaces • Electrical analogy • Introduction to Gas Radiation |
| V | 515MET03 | Kinematics of Machinery | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Numbers and Dimensional synthesis • Functional generation, path generation and motion generation • Graphical methods-Two position synthesis of slider crank and four bar mechanism |
| V | 515MET05 | Applied Hydraulics and Pneumatics | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Fluid power circuits failures and troubleshooting. |
| V | 515MEP09 | Computer Aided Machine Drawing | The existing syllabus has been reframed with the following topics <ul style="list-style-type: none"> • Introduction of 3D Modeling software – part modeling, assembly. • Sectioning methods– full section, half section, partial or local section, revolved or superimposed section, removed section, aligned section, successive sections, thin sections. • Bill of Materials- preparation of bill of materials and tolerance data sheet |
| V | 515MEE01 | Design Concepts in Engineering | The existing syllabus has been reframed with the following topics In Unit-3, <ul style="list-style-type: none"> • Selection with computed aided databases – Design for brittle fracture • Design for fatigue failure • Design for corrosion resistance • Designing with plastics |

| | | | |
|---|----------|--------------------------------------|---|
| V | 515MEE02 | Production and Operations Management | The existing syllabus has been reframed with the following topics In Unit-4, <ul style="list-style-type: none"> • ABC analysis • JIT • Work in process in lean manufacturing • Basics of SCM and ERP |
| V | 515MEE03 | Introduction to Nanotechnology | The existing syllabus has been reframed with the following topics In Unit-4, <ul style="list-style-type: none"> • Nanocomposites • Nanopolymers • Nanoglasses • Nano ceramics • Biological nanomaterials |
| V | 515MEE05 | Internal Combustion Engines | The existing syllabus has been reframed with the following topics In Unit-5, <ul style="list-style-type: none"> • Formation of NO_x • HC/CO mechanism |

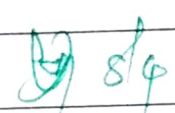
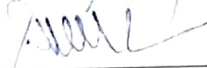
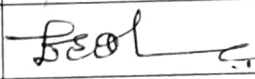

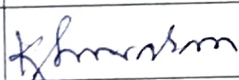
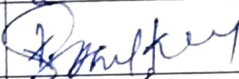

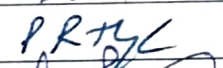
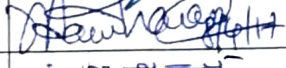




Feedback obtained about curriculum and syllabus from stakeholders (Faculty, Students, Alumni and Employer) were also discussed and concluded.




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18th BOS meeting in Faculty of Mechanical Engineering
held on **08.04.2017** at 10.00 AM.


| Sl. No. | Name | Designation | Category | Signature |
|---------|----------------------|-------------|---|---|
| 1 | Dr. G. Ranganath | Chairman | Specialization: Machine Design |  |
| 2 | Dr. Channankaiah | Member | Member of the Faculty : UG & PG Specialization: Foundry Engg. |  |
| 3 | Dr.D.Shivalingappa | Member | Member of the Faculty: UG & PG Specialization: Machine Design |  |
| 4 | Dr.S.V.Suresh Babu | Member | Member of the Faculty UG & PG Specialization: Industrial Engg. |  |
| 5 | Dr. K. Srinivasan | Member | Member of the Faculty: UG & PG Specialization: CAD |  |
| 6 | Dr. K. Senthil Kumar | Member | Member of the Faculty UG & PG Specialization: Thermal Engg. |  |
| 7 | Prof. Halesh Koti | Member | Member of the Faculty: UG & PG Specialization: Machine Design |  |
| 8 | Dr.P.R. Thyla | Member | Academic Council Nominee |  |
| 9 | Dr. V. Hariharan | Member | Academic Council Nominee |  |
| 10 | Dr. G. Nagarajan | Member | University Nominee |  |
| 11 | Dr. Shyam S Rao | Member | Industrial Representative |  |
| 12 | Mr. U.Vinoth | Member | Alumni Representative |  |
| 13 | Dr. J. Arivudainambi | Member | Interdisciplinary Expert |  |


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DEPARTMENT OF MECHANICAL ENGINEERING
18TH BOS MEETING HELD ON 08.04.2017




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