



# PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

## DEPARTMENT OF MECHANICAL ENGINEERING ACTION TAKEN REPORT - STAKEHOLDERS FEED BACK ON CURRICULUM & SYLLABUS

Academic Year 2019-2020

Date:12.04.2019

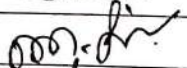




1. Feedback was collected.
2. The feedback was analysed and reviewed through Internal Committee.
3. The Proposed draft of syllabus was put forth to DAC. The Constructive suggestions were taken from the Stakeholders.
4. After detailed deliberation and discussion, feedback the proposed draft of syllabus with modification was presented to BoS for final Approval.
5. After BoS recommendations, the curriculum and syllabus came into implementation.

Feedback was requested from following Stakeholders

| S.No. | StakeHolders | No of feedback form received |
|-------|--------------|------------------------------|
| 1.    | Students     | 255                          |
| 2.    | Teachers     | 23                           |
| 3.    | Alumni       | 45                           |
| 4.    | Employer     | 10                           |

| Name of the course       | Recommended by | Recommendation   | Action Taken  |
|--------------------------|----------------|--|---|
| <b>Students Feedback</b> |                |  |   |
| Thermodynamics           | Prathish.G.A   | Some content may be reduced as the course is heavy.                          | Recommendation considered and forwarded to the approval of DAC. |
| Engineering Graphics     | Madhavan.S     | Topic on Perspective projection may be included.                             | Recommendation considered and forwarded to the approval of DAC. |
| Engineering Mechanics    | Arun.M         | Some topics may be eliminated in Unit V                                      | Recommendation considered and forwarded to the approval of DAC. |
| <b>Faculty Feedback</b>  |                |  |   |
|                          | Anand.K        | Weblinks like NPTEL, Swayam are to be given to the students for preparation. | Recommendation considered and forwarded to the approval of DAC. |
| Welding technology       | Gunasekaran.R  | Topic on "Selection of welding electrode and its grade" is to be added.      | Recommendation considered and forwarded to the approval of DAC. |

|                          |                |  |  |
|--------------------------|----------------|--|--|
| CAD/CAM                  | Thangavel.T    | To cater up current situation CAD/CAM course is to be included as programme course in V sem. | Recommendation considered and forwarded to the approval of DAC..     |
| <b>Alumni Feedback</b>   |                |  |  |
| Non-destructive testing  | Arun.S         | Current techniques used in industry can be added.  | Recommendation considered and forwarded to the approval of DAC.      |
|                          | Sundarapandi.B | Some value added course have to be introduced to increase the knowledge of students.         | Recommended and implemented in R19.                                  |
|                          | Selvarasu.E    | Electronics based mechanical courses have to be added.                                       | Considered the recommendation and may include in next academic year. |
| <b>Employer Feedback</b> |                |  |  |
|                          | Mohan.R        | For lab classes virtual lab links to be given as reference.                                  | Recommended and implemented in R19                                   |
| Automobile Engineering   | Kalaivani.P    | Latest topic on "autonomous vehicle" may include.  | Recommended and implemented in R19                                   |
|                          | Pradeep        | Hands on training related to hydraulic system has to be introduced for final year.           | Recommendation considered and forwarded to the approval of DAC.      |

| S.No | Name of the Member  | Designation | Role         | Signature   |
|------|---------------------|-------------|--------------|---|
| 1    | A.P.Sivasubramaniam | HOD         | Chairman/BOS |  |
| 2    | Dr.K.Sundara Murthy | Professor   | Member       |  |
| 3    | M.Makesh            | ASP         | Member       |  |
| 4    | P.Elumalai          | ASP         | Member       |  |
| 5    | Dr.V.Subburam       | ASP         | Member       |  |

  
HOD/MECH

HEAD OF THE DEPARTMENT  
Mechanical Engg.

PAAVAI ENGINEERING COLLEGE  
NH-7, PACHAL (Po) Namakkal - 637 018

  
PRINCIPAL

PRINCIPAL

PAAVAI ENGINEERING COLLEGE  
NH-7, PACHAL Post, NAMAKKAL Dist

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# PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

## STUDENTS FEEDBACK ON CURRICULUM & SYLLABUS

|                     |                 |               |           |
|---------------------|-----------------|---------------|-----------|
| Name of the student | PRATHISH . G. A | Reg.No        | 18107825  |
| Programme           | BE. Mechanical. | Academic year | 2019 - 20 |
| Year of Study       | 11              |               |           |

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Relevance of the course to the programme  | 5      |
| 2.    | Appropriateness of the course content   | 1      |
| 3.    | Adequacy of time for effective coverage of syllabus/ lab experiments                      | 3      |
| 4.    | Teachers informed about the expected competencies, course outcomes and programme outcomes | 4      |
| 5.    | Quality of textbook / reference book / course material                                    | 5      |
| 6.    | The electives offered are relevant to the technological advancements                      | 4      |
| 7.    | Syllabus develop necessary technical skills to face the industry needs                    | 1      |
| 8.    | The provision of learning resources in the library are adequate                           | 3      |

Any other suggestions:

For Thermodynamics some content may be reduced as the course is heavy

Date: 4/4/19

Prathish G. A.  
Signature



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## STUDENTS FEEDBACK ON CURRICULUM & SYLLABUS

|                     |              |               |             |
|---------------------|--------------|---------------|-------------|
| Name of the student | MADHAVAN . S | Reg.No        | 17107049    |
| Programme           | B.E - MECH   | Academic year | 2019 - 2020 |
| Year of Study       | III          |               |             |

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Relevance of the course to the programme  | 2      |
| 2.    | Appropriateness of the course content   | 3      |
| 3.    | Adequacy of time for effective coverage of syllabus/ lab experiments                      | 4      |
| 4.    | Teachers informed about the expected competencies, course outcomes and programme outcomes | 5      |
| 5.    | Quality of textbook / reference book / course material                                    | 3      |
| 6.    | The electives offered are relevant to the technological advancements                      | 2      |
| 7.    | Syllabus develop necessary technical skills to face the industry needs                    | 5      |
| 8.    | The provision of learning resources in the library are adequate                           | 4      |

Any other suggestions:

In EG, Topic on perspective projection may be included.

Date: 4/4/19

S. Madhup  
Signature





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## STUDENTS FEEDBACK ON CURRICULUM & SYLLABUS

|                     |                 |               |           |
|---------------------|-----------------|---------------|-----------|
| Name of the student | Arjun.M         | Reg.No        | 16107080  |
| Programme           | B.E. Mechanical | Academic year | 2019-2020 |
| Year of Study       | IV              |               |           |

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Relevance of the course to the programme  | 3      |
| 2.    | Appropriateness of the course content   | 4      |
| 3.    | Adequacy of time for effective coverage of syllabus/ lab experiments                      | 5      |
| 4.    | Teachers informed about the expected competencies, course outcomes and programme outcomes | 2      |
| 5.    | Quality of textbook / reference book / course material                                    | 1      |
| 6.    | The electives offered are relevant to the technological advancements                      | 4      |
| 7.    | Syllabus develop necessary technical skills to face the industry needs                    | 3      |
| 8.    | The provision of learning resources in the library are adequate                           | 2      |

Any other suggestions:

For Engineering Mechanics, Some topics may be eliminated in Unit - I, because of heavy portions.

Date: 4/4/19

Signature

Arjun



# PAAVAI ENGINEERING COLLEGE

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## TEACHER'S FEEDBACK ON CURRICULUM & SYLLABUS

|                     |                     |               |                        |
|---------------------|---------------------|---------------|------------------------|
| Name of the Faculty | H. ANAND            | Academic Year | 2019-2020              |
| Designation         | ASSISTANT PROFESSOR | Department    | MECHANICAL ENGINEERING |

\*Note: (Use 5 Point Scale) : Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Curriculum and Syllabi are need based   | 4      |
| 2.    | Courses are relevant to the Programme   | 3      |
| 3.    | The course outcomes are clear and well defined  | 4      |
| 4.    | The course has good balance between theory and lab experiments                                      | 5      |
| 5.    | The syllabus covers modern and advanced topics  | 4      |
| 6.    | Adequacy of time for effective coverage of syllabus / lab experiments                               | 5      |
| 7.    | Sufficient number of prescribed books, reference books and e-resources are available in the library | 3      |
| 8.    | The curriculum ensures student participation in learning process                                    | 4      |

Any other suggestions:

weblinks like NPTEL, Swayam are to be given to the students for preparation.

Date: 6/4/19

Signature





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NH 44, PACHAL, NAMAKKAL-637018

## TEACHER'S FEEDBACK ON CURRICULUM & SYLLABUS

|                     |                     |               |                        |
|---------------------|---------------------|---------------|------------------------|
| Name of the Faculty | T. THANGIAVEL       | Academic Year | 2019-2020              |
| Designation         | ASSISTANT PROFESSOR | Department    | MECHANICAL ENGINEERING |

\*Note: (Use 5 Point Scale) : Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Curriculum and Syllabi are need based   | 4      |
| 2.    | Courses are relevant to the Programme   | 3      |
| 3.    | The course outcomes are clear and well defined  | 5      |
| 4.    | The course has good balance between theory and lab experiments                                      | 4      |
| 5.    | The syllabus covers modern and advanced topics  | 5      |
| 6.    | Adequacy of time for effective coverage of syllabus / lab experiments                               | 3      |
| 7.    | Sufficient number of prescribed books, reference books and e-resources are available in the library | 4      |
| 8.    | The curriculum ensures student participation in learning process                                    | 5      |

Any other suggestions:

CAD/CAM Subject, to cater up current situation cad/cam course is to be included as programme course.

Date: 6/11/19

  
Signature



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## TEACHER'S FEEDBACK ON CURRICULUM & SYLLABUS

|                     |                     |               |                        |
|---------------------|---------------------|---------------|------------------------|
| Name of the Faculty | R. GUNASEKARAN      | Academic Year | 2019 - 2020            |
| Designation         | ASSISTANT PROFESSOR | Department    | MECHANICAL ENGINEERING |

\*Note: (Use 5 Point Scale) : Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Curriculum and Syllabi are need based   | 4      |
| 2.    | Courses are relevant to the Programme   | 3      |
| 3.    | The course outcomes are clear and well defined  | 5      |
| 4.    | The course has good balance between theory and lab experiments                                      | 4      |
| 5.    | The syllabus covers modern and advanced topics  | 4      |
| 6.    | Adequacy of time for effective coverage of syllabus / lab experiments                               | 3      |
| 7.    | Sufficient number of prescribed books, reference books and e-resources are available in the library | 5      |
| 8.    | The curriculum ensures student participation in learning process                                    | 4      |

Any other suggestions:

In welding technology, topic on Selection of welding electrode & its grade is to be added.

R. Gunasekaran

Signature

Date: 6/4/19





# PAAVAI ENGINEERING COLLEGE

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## ALUMNI FEEDBACK ON CURRICULUM & SYLLABUS

Name of the Alumni: ARUN S

Branch and Year of completion: MECHANICAL & 2020

Organization with address: TVS

Designation: ASS. Manager

Email id: arun1434@gmail.com

Mobile No: 9484637018

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Curriculum and Syllabi meets the present scenario   | 4      |
| 2.    | The units in the syllabus are properly sequenced  | 3      |
| 3.    | The allocation of the credits and its weightage to the course is balanced                     | 5      |
| 4.    | The courses have enhanced the knowledge and the technical skills                              | 5      |
| 5.    | The curriculum bridges the gap between the industries and institute                           | 3      |
| 6.    | The curriculum is offered with elective courses/ interdepartmental courses                    | 4      |
| 7.    | The curriculum is designed so as to enhance the employability skills/ entrepreneurship skills | 4      |
| 8.    | Inclusion of latest developments in the courses   | 3      |

Any other suggestions:

For NDT, current techniques used in industry can be added.



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## ALUMNI FEEDBACK ON CURRICULUM & SYLLABUS

Name of the Alumni: SUNDARAPANDI. B

Branch and Year of completion: MECHANICAL & 2016

Organization with address: Ponni Sugats PVT. LTD

Designation: Supervisor

Email id: Sundarapandi99@gmail.com

Mobile No: 6382466299

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Curriculum and Syllabi meets the present scenario   | 4      |
| 2.    | The units in the syllabus are properly sequenced  | 5      |
| 3.    | The allocation of the credits and its weightage to the course is balanced                     | 3      |
| 4.    | The courses have enhanced the knowledge and the technical skills                              | 3      |
| 5.    | The curriculum bridges the gap between the industries and institute                           | 5      |
| 6.    | The curriculum is offered with elective courses/ interdepartmental courses                    | 4      |
| 7.    | The curriculum is designed so as to enhance the employability skills/ entrepreneurship skills | 5      |
| 8.    | Inclusion of latest developments in the courses   | 4      |

Any other suggestions:

Some Value added course have to be introduced to increase the knowledge of students.





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## ALUMNI FEEDBACK ON CURRICULUM & SYLLABUS

Name of the Alumni: SELVARASU. E

Branch and Year of completion: MECHANICAL & 2020

Organization with address: TLS TRANSPORTS

Designation: ASS. Manager

Email id: selvarasu228@gmail.com

Mobile No: 9384379052

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | Curriculum and Syllabi meets the present scenario   | 5      |
| 2.    | The units in the syllabus are properly sequenced  | 4      |
| 3.    | The allocation of the credits and its weightage to the course is balanced                     | 4      |
| 4.    | The courses have enhanced the knowledge and the technical skills                              | 3      |
| 5.    | The curriculum bridges the gap between the industries and institute                           | 5      |
| 6.    | The curriculum is offered with elective courses/ interdepartmental courses                    | 3      |
| 7.    | The curriculum is designed so as to enhance the employability skills/ entrepreneurship skills | 5      |
| 8.    | Inclusion of latest developments in the courses   | 4      |

Any other suggestions:

Electronics based mechanical courses have to be added.



# PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

## EMPLOYER'S FEEDBACK ON CURRICULUM & SYLLABUS

Dear Employer,

Many graduates of our college are already working in your organization. We are thankful to you for providing them employment with your prestigious company/ organization. We shall be very much appreciate and grateful to you for sparing your valuable time to fill up this feedback form. It will help us to improve the Institute further and give you better employees in future. Please fill in feedback form below and all information submitted here remains strictly confidential. It is used for quality evaluation purpose only.

Name of the Employer: R. MOHAN

Organization: T I METAL FORMING

Present Position: SQA IN CHARGE

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | The curriculum and syllabi match with the programme                       | 4      |
| 2.    | The courses are related to industry that are included in the programs     | 5      |
| 3.    | The courses are related with the specialization streams                   | 1      |
| 4.    | The syllabus has good balance between theory and application:             | 3      |
| 5.    | Incorporates technical and communication skills                           | 2      |
| 6.    | Imparts knowledge and skills required for the job market                  | 5      |
| 7.    | Curriculum develops innovative thinking                                   | 3      |
| 8.    | Is the curriculum relevant for employability /makes the student competent | 1      |

Any other suggestions:

Latest topic were to be added in  
thermal based subjects

Date: 6/4/19

R. Mohan  
Signature





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NH 44, PACHAL, NAMAKKAL-637018

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Name of the Employer: P. Kalivathi.

Organization: Harita Techsolv Ltd.

Present Position: Trainee Design Engineer.

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | The curriculum and syllabi match with the programme                       | 4      |
| 2.    | The courses are related to industry that are included in the programs     | 5      |
| 3.    | The courses are related with the specialization streams                   | 2      |
| 4.    | The syllabus has good balance between theory and application:             | 1      |
| 5.    | Incorporates technical and communication skills                           | 4      |
| 6.    | Imparts knowledge and skills required for the job market                  | 2      |
| 7.    | Curriculum develops innovative thinking                                   | 2      |
| 8.    | Is the curriculum relevant for employability /makes the student competent | 5      |

Any other suggestions:

Latest topic on autonomous vehicle may include in Automobile Engineering.

Date: 6/4/19

P. Kalivathi.  
Signature



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Name of the Employer: *M. Preedeeep.*

Organization: *WABCO INDIA Private Limited.*

Present Position: *Operator.*

\*Note: (Use 5 Point Scale): Excellent- 5; Very good-4; Good-3; Fair-2; Poor-1

| S.No. | Parameters  | Rating |
|-------|---|--------|
| 1.    | The curriculum and syllabi match with the programme                       | 1      |
| 2.    | The courses are related to industry that are included in the programs     | 2      |
| 3.    | The courses are related with the specialization streams                   | 4      |
| 4.    | The syllabus has good balance between theory and application:             | 5      |
| 5.    | Incorporates technical and communication skills                           | 3      |
| 6.    | Imparts knowledge and skills required for the job market                  | 2      |
| 7.    | Curriculum develops innovative thinking                                   | 2      |
| 8.    | Is the curriculum relevant for employability /makes the student competent | 4.     |

Any other suggestions:

*- New technology . . . we may be Int,  
- Hand on training related to Hydraulic system  
has to be introduced.*

Date: *6/11/19*

*M. Preedeeep.*  
Signature





# PAAVAI ENGINEERING COLLEGE

(Autonomous Institution)

(Approved by AICTE and Affiliated to Anna University)

(Accredited by National Board of Accreditation, New Delhi & NAAC (UGC) with 'A' Grade)

Paavai Nagar, NH - 7, PACHAL, NAMAKKAL - 637 018. Tamil Nadu

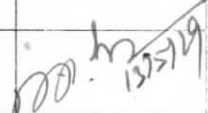

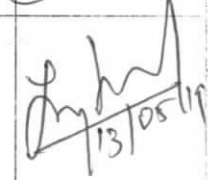



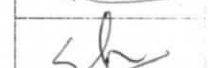
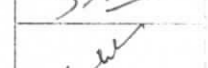
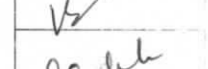
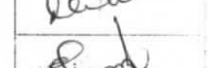

☎ 04286-243038, 58,88 & 98 Fax: 04286-243068 Email: pecprincipal@paavai.edu.in website: http://pec.paavai.edu.in

## Minutes of the Board of Studies Meeting

**Venue: Department of Mechanical Engineering**

**Date and Time: 13.05.2019, 10.00 am**

### **Members Present**

| S.No | Name                     | Designation               | Position in the Committee | College / University / Industry  | Signature with Date  |
|------|--------------------------|---------------------------|---------------------------|--|--|
| 1.   | Mr.A.P.Sivasubramaniam   | HoD & Prof / Mech         | Chairman                  | Paavai Engineering College.  | <br>13/5/19   |
| 2.   | Dr. K. Shanmuga Sundaram | Prof/ Mech                | University Nominee        | Department of Mechanical Engineering, Anna University, Chennai-600 025.                | <br>13/5/19   |
| 3.   | Dr.K.Jayapal             | AP/ Mech                  | Academic Expert           | Department of Mechanical Engineering, IIITDM, Kancheepuram-600127.                     | <br>13/05/19 |
| 4.   | Dr.A.Vinoth Jebaraj      | ASP/ Mech                 | Academic Expert           | School of Mechanical Engineering, Design & Automation, VIT University, Vellore-632014. | <br>13.5.19 |
| 5.   | Dr.M.Premkumar           | Principal                 | Members                   | Paavai Engineering College   |             |
| 6.   | Dr.K.K.Ramasamy          | Prof/ Mech                |                           |  |             |
| 7.   | Dr.K.Sundara Murthy      | Prof/ Mech                |                           |  |             |
| 8.   | Dr.V.Subburam            | Prof/ Mech                |                           |  |             |
| 9.   | Mr.M.Makesh              | ASP/ Mech                 |                           |  |             |
| 10.  | Mr.P.Elumalai            | ASP/ Mech                 |                           |  |             |
| 11.  | Mr.K.Muruga Bhoopathy    | Assistant General Manager | Industry Expert           | SAIL, Salem.   | <br>13/5/19 |

### **Members Absent** (Leave of absence expressed by the member concerned)

| S.No | Name        | Designation              | Position in the Committee | College / University / Industry |
|------|-------------|--------------------------|---------------------------|---------------------------------|
| 1.   | Mr.M.Vinoth | Senior Assistant Manager | Alumni                    | 3M India Ltd, Chennai.          |

**Minutes of the Board of Studies Meeting**  
**Venue: Department of Mechanical Engineering**  
**Date and Time: 13.05.2019, 10.00 am**

1. Chairman / BoS welcomed all the members to the 5<sup>th</sup> meeting of Board of Studies.
2. Chairman / BoS introduced the members to the Board of Studies.
3. Chairman / BoS briefed the members about the **agenda**.

The Board of Studies of Mechanical Engineering department -Passing of the following details:

**B.E Mechanical Engineering:**

- Curriculum and Syllabi of first and Second semester for the batches of students admitted in 2019– 2020 Under Regulations 2019.
- Curriculum and Syllabi of third and fourth semester for the batches of students admitted in 2018– 2019 Under Regulations 2016.
- Curriculum and Syllabi of fifth and sixth semester for the batches of students admitted in 2017– 2018 Under Regulations 2016.
- Curriculum and Syllabi of Seventh and eighth semester for the batches of students admitted in 2016– 2017 Under Regulations 2016.

**M.E. Engineering Design:**

- Curriculum and Syllabi of first and Second semester for the batches of students admitted in 2019-2020 under Regulations 2019.
  - Any other relevant matter
4. The following are the suggestions given by the members of Board of Studies:
    - Open Electives – Electives of other departments are to be included in the curriculum of Mechanical Engineering itself.
    - Weblinks- YouTube and slide shares are commercial type and not preferable, instead reputed links such as MOOC, NPTEL should be included.
    - Text Book: Computer Integrated Manufacturing Systems - The latest edition of CAD, CAM, CIM, 3<sup>rd</sup> Edition by Radhakrishnan to be included.
    - Book - Automotive Mechanics by Joseph Heitner should be included as the reference section.
    - Subject- In automobile Engineering, a new unit on latest topic 'Autonomous



vehicle’ to be included as unit 5. The present unit 5 namely, Alternative Energy Sources in automobile Engineering Should be moved to the subject - Advanced IC Engine.

- In Project Work (Phase I) - 7th point of the guidelines should be removed as it is inappropriate. In the first objective the word ‘problems to solve’ should be replaced by ‘social and industrial relevant problems’. In the third objective the word ‘Analysis package’ should be replaced by ‘Simulation Tools’.
- Subject - Design of Jigs, Fixtures and Press tools; The course objectives (advanced level) and course outcomes (lower level) are not matching with one another and hence to be revised.

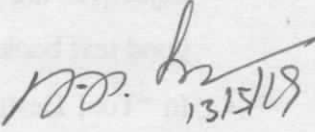
Unit 2 should be named as ‘Design and development of Jigs’ and Unit 3 as ‘Design and development of fixtures. The topic ‘Types of Jigs’ occurs both in unit 1 and 2. It should be removed from any one unit. The book by **Joshi** (Author) from reference section should be moved to text book section as first book. A book by **Venkataraman** (Author) can also be included.

- Provide uniform credits for all 3-credit courses (Say 9+9+9+9+9 credits)
- All the web-links should be verified for reliability, checked whether active link, corrected and updated from time to time (Faculties could suggest such net sources at the time of taking classes as it keeps changing.).
- In the subject Micro Electro Mechanical Systems – in Unit III, the topic “Piezoresistive sensor materials” should come first followed by piezoresistivity.
- In “Welding Technology”, the topic, Friction stir welding from Unit – IV should be moved to unit- III. An important topic “Selection of welding rod for different applications” should be added at the appropriate place in this syllabus. Check ASTM standard (Unit V) is relevant here, if not remove it.
- In “Plant Layout and Material Handling” reference books 4 and 5 are very old and replace with latest edition.
- In Phase-II of Project work, in the course - objectives, wordings like ‘Identifying’, ‘literature review’ are not relevant as they are meant for phase-I Change appropriately.
- The subject name of “Composite Materials” should be changed to ‘Composite Materials and Mechanics’ as it contains portions on mechanics.

- In “Tool Design” subject, Fourth Unit topic of “Design of Jigs and Fixtures” is overlapping as it is already occurring in the subject “Design of Jigs and Fixtures”. Proper changes should be incorporated.
- In Regulations 2019, interchange the subject “CAD/CAM” from Programme Elective I to V semester curriculum in the place of “Hydraulics and Pneumatic system”.
- In “Engineering Graphics”, ‘General principles of Orthographic projection’ topic in Unit – I, can be replaced with ‘Introduction of Orthographic projection’. In Unit – V, Conversion of Isometric View to Orthographic projection should be included. Rotating line method (Unit – III) can also be referred as ‘Change of Position method’ and it should be indicated. **A topic on ‘Perspective projection’ can be added but not for examination.**
- In Engineering Mechanics, Unit-III title should be changed to ‘Properties of Surfaces’. The topic ‘Equilibrium of rigid body in two dimensions’ in Unit – II should be included in Unit – I. Similarly, the topic ‘Equilibrium of a particle in space’ in Unit – I should be included in Unit – II. Introduction to the topic of ‘Principle Axis’ could be given which would be helpful for understanding ‘Strength of Materials’. **Few topics can be reduced in Unit – V.**
- In “Engineering Mechanics for Biomedical Engineers”, Rearrange the Unit – V as Unit – III, then Unit – III as Unit – IV and Unit – IV as Unit - V. The topic, ‘Deformation of rigid and non-rigid bodies’ should be replaced with ‘Deformation of elastic bodies’ in Unit – III.
- For the subject, ‘Advanced stress analysis’ a book by Dally,J.W and W.F.Riley (Experimental Stress Analysis) should be included in the reference books.
- The Subject “Quality concepts in Design” can be replaced with “Product design and development”
- Computer Aided Design theory which is in II semester should be moved to I semester. The subject “Research methodology and IPR” should be moved from I semester to II semester. Topic on GD & T should be added in CAD subject.
- Revise and add advanced topics in “Finite Element Method”



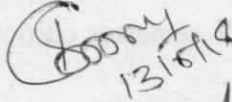
- In CAD laboratory practices, instead of naming specific software, it can be given by the general name as 'Modeling and Simulation Packages'.
- Add more experiments for CAD lab practice and include the reference book by Sham Tickoo.

  
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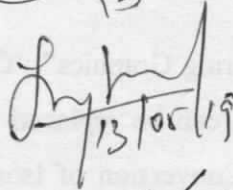
**Mr.A.P.Sivasubramaniam**

HoD/ MECH – BoS (Chairman)

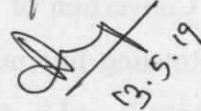
1. Dr. K. Shanmuga Sundaram  
(University Nominee)

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13/5/19

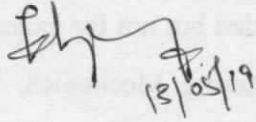
2. Dr.K.Jayapal  
(Academic Expert)

-   
13/05/19

3. Dr.A.Vinoth Jebaraj  
(Academic Expert)


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4. Mr.K.Muruga Bhoopathy  
(Industry Expert)

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13/05/19.

#### Members

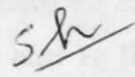
5. Dr.M.Premkumar

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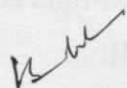
6. Dr.K.K.Ramasamy

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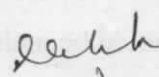
7. Dr.K.Sundara Murthy

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8. Dr.V.Subburam

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9. Mr.M.Makesh

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10. Mr.P.Elumalai

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