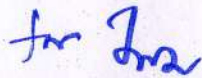


Madanapalle Institute of Technology & Science

Department of Mechanical Engineering

The Department of Mechanical Engineering at Madanapalle Institute of Technology & Science (MITS) has conducted Industry Alumni Advisory Board (IAAB) on 23rd June 2018, 11:00 AM – 2:00 PM. The following internal and external members have attended the meeting.

S. No	Name of the Member	Designation
1	Dr. P Ramanathan	Vice Principal Academics, MITS
2	Dr. P Suryanarayana Raju	Professor, Dept. of ME, MITS (Subject Expert-Thermal Specialization)
3	Dr. Prasanna Kumar DL	Professor, Dept. of ME, MITS (Subject Expert-Thermal Specialization)
4	Dr. S Thamizhmanii	Professor, Dept. of ME, MITS (Subject Expert-Manufacturing and Production Specialization)
5	Dr Senthil Kumar JS	Professor, Dept. of ME, MITS (Subject Expert-Manufacturing and Production Specialization)
6	Dr. Uday Krishna Ravella	Associate Professor, Dept. of ME, MITS (Subject Expert-Material Science Specialization)
7	Mr. M. Hari Prasad	Former Scientist Aeronautical Development Establishment (ADE), Bangalore
8	Dr. R. Thundil Karuppa Raj	Professor & Head VIT, Vellore
9	Mr. Rajesh R. Y.	Assistant General Manager Hyundai R&D, Hyderabad
10	Mr. Shankar Reddy	Scientist DRDO, Hyderabad
11	Mr. Kalyan	Design Engineer Manager ERS Electronic GmbH, Germany



Head of the Department

Dept. of ME



Principal

PRINCIPAL
MITS
Madanapalle Institute of Technology & Science
PO Box NO 14, Kadiri Road, Angallu
MADANAPALLE 517 325 A P

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC Autonomous)

Department of Mechanical Engineering

Industry Academic Alumnae Advisory Board



RECOMMENDATIONS & COMMENTS on R18 SYLLABI

I. Personal Details

Name : Dr. Ravikumar. L
 Designation : Professor, Institute Coordinator R&D
 Organization : BMS college of Engineering, Bengaluru.
 E-mail : Lrkmech@gmail.com
 Mobile : 9448769345

II. Comments on Curriculum Structure – R18:

Teaching hours. ~~Against~~ each units, to be specified/indicated.

if possible
 Avoid fraction of credits. ex - Phy - 5.5
 C.Lab 1.5
 E. Workshop 1.5

Course - Biology - Biology for Engineers. (Genami)

Credit balancing in semesters ex - Isem - 18, II sem - 19.5c

Introduction ~~to~~ MATLAB - in MAT course, or Programming Lab.
 / CAMA Lab (higher semester)

Review - Syllabus of Basic Engg. workshop.
 required

Tutorial - credits - (~~one~~ one very limited).

Course titles should be modified. - in few cases.

PLZ. review the syllabus (contents) again. to match the teaching - Tutorial hours indicated.

ensure is it possible to teach the content specified by the course instructor. The number of Courses/semester is huge. better to integrate the courses if possible.

Discipline electives are not in order.

reordering / re framing is required.

III. Suggestions & comments on Course syllabus – R18:

S. No.	Course Name	L	T	P	C	YEAR
1	Engineering Graphics	2	0	3	3.5	I-I

S. No.	Course Name	L	T	P	C	YEAR
2	Engineering Workshop	0	0	3	1.5	I-I

S. No.	Course Name	L	T	P	C	YEAR
3	Production Technology-I	3	0	0	3	II-I

S. No.	Course Name	L	T	P	C	YEAR
4	Thermodynamics	3	0	0	3	II-I

S. No.	Course Name	L	T	P	C	YEAR
5	Engineering Mechanics	3	1	0	4	II-I

S. No.	Course Name	L	T	P	C	YEAR
6	Materials Science and Engineering	3	0	0	3	II-I

S. No.	Course Name	L	T	P	C	YEAR
7	Production Technology Lab - I	0	0	3	1.5	II-I

S. No.	Course Name	L	T	P	C	YEAR
8	Materials Science and Engineering Lab	0	0	3	1.5	II-I

S. No.	Course Name	L	T	P	C	YEAR
9	Mechanics of Solids	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
10	Fluid Mechanics	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
11	Kinematics of Machinery	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
12	Mechanics of Solids Lab	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
13	Machine Drawing Lab	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
14	Production Technology Lab - II	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
15	Machine Design – I	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
16	Dynamics of Machinery	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
17	Heat Transfer	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
18	Production Technology-II	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
19	NPTEL MOOCS (Discipline Elective-I)	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
20	Dynamics of Machinery Lab	0	0	3	1.5	III-I

S. No.	Course Name	L	T	P	C	YEAR
21	Heat Transfer Lab	0	0	3	1.5	III-I

S. No.	Course Name	L	T	P	C	YEAR
22	Thermal and Hydraulic Machines	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
23	Machine Design II	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
24	Finite Element Method (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
25	Introduction to Aero Dynamics (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
26	IC Engines (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
27	Combustion (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
28	Tool and Die Design (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
29	Computational Fluid Dynamics (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
30	Gas Dynamics (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
31	Automotive Electrical & Electronics Systems (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
32	Steam Power Plant (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
33	Quality Control (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
34	Fluid Mechanics and Hydraulic Machines Lab	0	0	3	1.5	III-II

S. No.	Course Name	L	T	P	C	YEAR
35	IC Engines Lab	0	0	3	1.5	III-II

S. No.	Course Name	L	T	P	C	YEAR
36	Mini Project	0	0	2	1	III-II

S. No.	Course Name	L	T	P	C	YEAR
37	CAD / CAM	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
38	Engineering Metrology and Measurements	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
39	Robotics (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
40	Aerospace Structural Mechanics (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
41	Automotive Transmission (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
42	Refrigeration & Air conditioning (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
43	Industrial Engineering (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
44	Advanced Numerical Methods (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
45	Jet Propulsion (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
46	Automotive Components Design (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
47	Fluid Power Systems (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
48	Total Quality Management (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
49	Mechanical Vibrations (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
50	Control Systems (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
51	Theory of Fuels And Lubricants (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
52	Solar Thermal Process Engineering (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
53	Optimization Techniques (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
54	CAD/CAM Lab	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
55	Instrumentation and Controls Engineering Lab	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
56	Technical Seminar	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
57	Full Semester Internship / Capstone Design Project	0	0	24	12	IV-II

IV. Overall feedback on Syllabi

V. Suggestions to fill gap between Industry & Academia:

Tools	
Skills	
Knowledge	

VI. Suggestions on Best Practices to be adopted:

--

VII. Suggestions to Improve Placements/Internships

--

VIII. Suggestions on R&D enhancement in the department/ Possible collaborations with your organization

IX. Any other suggestions

X. Feedback on IAAB Meet

Date:

Signature

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC Autonomous)

Department of Mechanical Engineering

Industry Academic Alumnae Advisory Board




RECOMMENDATIONS & COMMENTS on R18 SYLLABI

I. Personal Details

Name : M. Hari Prasad
Designation : Scientist-F
Organization : Aeronautical Development Establishment
Bangalore.
E-mail : manchoorhp@gmail.com
Mobile : +91-9916936781

II. Comments on Curriculum Structure – R18:

- ① Fractions on Credits ; please check.
- ② Biology change to Biology for Engineers.
- ③ change the physics for civil and mechanical to Engineering physics.
- ④ Introduce Matlab in place of 'C'
- ⑤ Aerospace Engg should be modified as discussed
- ⑥ Convert B-II open elective to compulsory core subject.
- ⑦ Check the syllabus of Engg. Metrology and measurements.
- ⑧ ACR & change to HVARC.
- ⑨ IV - P Engg metrology and measurements and Lab syllabus is not matching.


(M. Hari Prasad)

III. Suggestions & comments on Course syllabus – R18:

S. No.	Course Name	L	T	P	C	YEAR
1	Engineering Graphics	2	0	3	3.5	I-I
<p>Introduce some basics required for before going to Computer application</p>						

S. No.	Course Name	L	T	P	C	YEAR
2	Engineering Workshop	0	0	3	1.5	I-I
<p>Pl. check the all exercises and condense.</p>						

S. No.	Course Name	L	T	P	C	YEAR
3	Production Technology-I	3	0	0	3	II-I
<p><i>(Faint handwritten notes)</i></p>						

S. No.	Course Name	L	T	P	C	YEAR
4	Thermodynamics	3	0	0	3	II-I
<p><i>(Faint handwritten notes)</i></p>						

(Handwritten signature and notes)

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR
5	Engineering Mechanics	3	1	0	4	II-I

S. No.	Course Name	L	T	P	C	YEAR
6	Materials Science and Engineering	3	0	0	3	II-I

S. No.	Course Name	L	T	P	C	YEAR
7	Production Technology Lab - I	0	0	3	1.5	II-I

S. No.	Course Name	L	T	P	C	YEAR
8	Materials Science and Engineering Lab	0	0	3	1.5	II-I

S. No.	Course Name	L	T	P	C	YEAR
9	Mechanics of Solids	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
10	Fluid Mechanics	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
11	Kinematics of Machinery	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
12	Mechanics of Solids Lab	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
13	Machine Drawing Lab	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
14	Production Technology Lab - II	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
15	Machine Design – I	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
16	Dynamics of Machinery	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
17	Heat Transfer	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
18	Production Technology-II	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
19	NPTEL MOOCS (Discipline Elective-I)	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
20	Dynamics of Machinery Lab	0	0	3	1.5	III-I

S. No.	Course Name	L	T	P	C	YEAR
21	Heat Transfer Lab	0	0	3	1.5	III-I

S. No.	Course Name	L	T	P	C	YEAR
22	Thermal and Hydraulic Machines	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
23	Machine Design II	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
24	Finite Element Method (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
25	Introduction to Aero Dynamics (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
26	IC Engines (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
27	Combustion (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
28	Tool and Die Design (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
29	Computational Fluid Dynamics (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
30	Gas Dynamics (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
31	Automotive Electrical & Electronics Systems (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
32	Steam Power Plant (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
33	Quality Control (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
34	Fluid Mechanics and Hydraulic Machines Lab	0	0	3	1.5	III-II

S. No.	Course Name	L	T	P	C	YEAR
35	IC Engines Lab	0	0	3	1.5	III-II

S. No.	Course Name	L	T	P	C	YEAR
36	Mini Project	0	0	2	1	III-II

S. No.	Course Name	L	T	P	C	YEAR
37	CAD / CAM	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
38	Engineering Metrology and Measurements	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
39	Robotics (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
40	Aerospace Structural Mechanics (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
41	Automotive Transmission (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
42	Refrigeration & Air conditioning (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
43	Industrial Engineering (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
44	Advanced Numerical Methods (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
45	Jet Propulsion (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
46	Automotive Components Design (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
47	Fluid Power Systems (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
48	Total Quality Management (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
49	Mechanical Vibrations (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
50	Control Systems (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
51	Theory of Fuels And Lubricants (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
52	Solar Thermal Process Engineering (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
53	Optimization Techniques (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
54	CAD/CAM Lab	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
55	Instrumentation and Controls Engineering Lab	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
56	Technical Seminar	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
57	Full Semester Internship / Capstone Design Project	0	0	24	12	IV-II

IV. Overall feedback on Syllabi

V. Suggestions to fill gap between Industry & Academia:

Tools	
Skills	
Knowledge	

VI. Suggestions on Best Practices to be adopted:

--

VII. Suggestions to Improve Placements/Internships

--

VIII. Suggestions on R&D enhancement in the department/ Possible collaborations with your organization

IX. Any other suggestions

X. Feedback on IAAB Meet

Date:

Signature

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

S. No.	Course Name	L	T	P	C	YEAR

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Department of Mechanical Engineering

Industry Academic Alumnae Advisory Board



RECOMMENDATIONS & COMMENTS on R18 SYLLABI

I. Personal Details

Name : Dr. R. THUNDIL KARUPPA RAJ.
 Designation : PROFESSOR & HOD - AUTOMOTIVE ENGG.
 Organization : VIT VELLORE.
 E-mail : thundil.rajagopal@vitae.in
 Mobile : 9444142658.

II. Comments on Curriculum Structure – R18:

- 1) Fractions in credits may be avoided.
- 2) Kindly check with AICTE-norms.
- 3) Biology may be reduced to 2-credits.
- 4) IIT BHU + KAPUR – for induction program.
- 5) MATLAB should be merged with Mathematics courses.
- 6) Course titles should be more specific to the domain.
Thermodynamics → Engg. Thermodynamics.
- 7) Pre-requisite should be mandatory for Descriptive Electives.

8) Replace opm - Elective I from Code papers.

9) Remove the abbreviation in course title
 For ex: Automation & Robotics
 → and
 R. Thundil Karuppa Raj
 23/06/2018

III. Suggestions & comments on Course syllabus – R18:

S. No.	Course Name	L	T	P	C	YEAR
1	Engineering Graphics	2	0	3	3.5	I-I
<p><i>Handwritten notes:</i> The course should be revised to include more practical work and to be more relevant to the current industry requirements.</p>						

S. No.	Course Name	L	T	P	C	YEAR
2	Engineering Workshop	0	0	3	1.5	I-I
<p><i>Handwritten notes:</i> This course is very important for the students to gain practical experience. It should be made compulsory for all students.</p>						

S. No.	Course Name	L	T	P	C	YEAR
3	Production Technology-I	3	0	0	3	II-I
<p><i>Handwritten notes:</i> The course should be revised to include more modern manufacturing techniques and to be more relevant to the current industry requirements.</p>						

S. No.	Course Name	L	T	P	C	YEAR
4	Thermodynamics	3	0	0	3	II-I
<p><i>Handwritten notes:</i> The course should be revised to include more practical work and to be more relevant to the current industry requirements.</p>						

S. No.	Course Name	L	T	P	C	YEAR
5	Engineering Mechanics	3	1	0	4	II-I

S. No.	Course Name	L	T	P	C	YEAR
6	Materials Science and Engineering	3	0	0	3	II-I

S. No.	Course Name	L	T	P	C	YEAR
7	Production Technology Lab - I	0	0	3	1.5	II-I

S. No.	Course Name	L	T	P	C	YEAR
8	Materials Science and Engineering Lab	0	0	3	1.5	II-I

S. No.	Course Name	L	T	P	C	YEAR
9	Mechanics of Solids	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
10	Fluid Mechanics	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
11	Kinematics of Machinery	3	0	0	3	II-II

S. No.	Course Name	L	T	P	C	YEAR
12	Mechanics of Solids Lab	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
13	Machine Drawing Lab	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
14	Production Technology Lab - II	0	0	3	1.5	II-II

S. No.	Course Name	L	T	P	C	YEAR
15	Machine Design – I	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
16	Dynamics of Machinery	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
17	Heat Transfer	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
18	Production Technology-II	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
19	NPTEL MOOCS (Discipline Elective-I)	3	0	0	3	III-I

S. No.	Course Name	L	T	P	C	YEAR
20	Dynamics of Machinery Lab	0	0	3	1.5	III-I

S. No.	Course Name	L	T	P	C	YEAR
21	Heat Transfer Lab	0	0	3	1.5	III-I

S. No.	Course Name	L	T	P	C	YEAR
22	Thermal and Hydraulic Machines	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
23	Machine Design II	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
24	Finite Element Method (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
25	Introduction to Aero Dynamics (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
26	IC Engines (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
27	Combustion (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
28	Tool and Die Design (Discipline Elective-II)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
29	Computational Fluid Dynamics (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
30	Gas Dynamics (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
31	Automotive Electrical & Electronics Systems (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
32	Steam Power Plant (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
33	Quality Control (Discipline Elective - III)	3	0	0	3	III-II

S. No.	Course Name	L	T	P	C	YEAR
34	Fluid Mechanics and Hydraulic Machines Lab	0	0	3	1.5	III-II

S. No.	Course Name	L	T	P	C	YEAR
35	IC Engines Lab	0	0	3	1.5	III-II

S. No.	Course Name	L	T	P	C	YEAR
36	Mini Project	0	0	2	1	III-II

S. No.	Course Name	L	T	P	C	YEAR
37	CAD / CAM	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
38	Engineering Metrology and Measurements	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
39	Robotics (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
40	Aerospace Structural Mechanics (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
41	Automotive Transmission (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
42	Refrigeration & Air conditioning (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
43	Industrial Engineering (Discipline Elective-IV)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
44	Advanced Numerical Methods (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
45	Jet Propulsion (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
46	Automotive Components Design (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
47	Fluid Power Systems (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
48	Total Quality Management (Discipline Elective-V)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
49	Mechanical Vibrations (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
50	Control Systems (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
51	Theory of Fuels And Lubricants (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
52	Solar Thermal Process Engineering (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
53	Optimization Techniques (Discipline Elective-VI)	3	0	0	3	IV-I

S. No.	Course Name	L	T	P	C	YEAR
54	CAD/CAM Lab	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
55	Instrumentation and Controls Engineering Lab	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
56	Technical Seminar	0	0	2	1	IV-I

S. No.	Course Name	L	T	P	C	YEAR
57	Full Semester Internship / Capstone Design Project	0	0	24	12	IV-II

IV. Overall feedback on Syllabi

V. Suggestions to fill gap between Industry & Academia:

Tools	
Skills	
Knowledge	

VI. Suggestions on Best Practices to be adopted:

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VII. Suggestions to Improve Placements/Internships

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VIII. Suggestions on R&D enhancement in the department/ Possible collaborations with your organization

IX. Any other suggestions

X. Feedback on IAAB Meet

Date:

Signature