

(Autonomous) NH 44, PACHAL, NAMAKKAL-637018

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

#### Academic Year 2017-2018

Date: 19.04.2017

- 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	400
2.	Teachers	40
3	Alumni	. 55
4.	Employer	. 10

Name of the course	Recommended by	Recommendation	Action Taken
Students Feedback		4.0	
Manufacturing Technology-I	Raja.P	Topic on "stir casting" may be included in unit 1.	Forwarded to DAC approval
Unconventional Machining Processes	Mangalasundaram.K	Simple problems in unit 3 may be removed as they are not relevant.	Recommendation considered and forwarded to the approval of DAC.
Unconventional Machining Processes	Subash.R	Types of LASER topic may be included in unit 5.	Forwarded to DAC approval
Faculty Feedback			
Metrology and measurements	Pugalenthi.P	Topic on "first order and second order instruments "has to be added.	Recommendation considered and forwarded to the approval of DAC.
Design of Machine Elements	Vinoth Kumar.M	"Theory of Bonded Joints" concept has to be included.	Recommendation considered and approved by DAC.

Heat and mass transfer	SujithKumar.J	Topic on "Infinite and semi-infinite solids" may be added in unit 1	Recommendation considered and forwarded to the approval of DAC.
Alumni Feedback	6		
Industrial Robotics	Bharath.C	Since content in the unit 3 is huge, it may be reduced.	Recommendation considered and forwarded to the approval of DAC.
CNC technology	Karuppasamy.M	Topic on "Feedback system" may be included	Recommendation considered and forwarded to the approval of DAC.
,	Vignesh.P	Hands on training in Robotics may be given for students.	Suggestion is consider and the same has been included in next academic year
Heat and Mass Transfer	K.Arun Kumar	A book by Yunus cengel has to be added in reference section.	Recommendation considered and approved by DAC.
Employer Feedback		-	
Engineering fracture mechanism	Vignesh.G	The topics may be additionally explained by "Deform" software	Suggestion is consider and same has been included in future.
	ArunKumar.M	Objective type questions in each course has to be givenwhich is useful for preparing competitive examination.	Suggestion is consider and same has been included in future.
Solar energy system	Venkateshwaran.S	Topic on "Solar panel design" can be included.	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	00.5
2	Dr.K.Sundara Murthy	Professor	Member	5/2
3	M.Makesh '	ASP	Member	aenh
4	P.Elumalai	ASP	Member	Ida
5	V.Subburam	ASP	Member	1 Low

HEAD OF THE DEPART...

Mechanical Engg.

PAAVAI ENGINEERING COLL.

NH 7, PACHAL (PO) Namakkai - 637 018

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PRINCIPAL

PAAVAI ENGINEERING COLLEGE NH.7 PACHAL Post, NAMAKKAL DISI



#### (Autonomous) NH 44, PACHAL, NAMAKKAL-637018

### STUDENTS FEEDBACK ON CURRICULUM & SYLLABUS

Name of the student	RATA . P	Reg.No	16107130
Programme	BE Nechanical	Academic year	2017, 2018
Year of Study	D		

\*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	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	3
5.	Quality of textbook / reference book / course material	2
6.	The electives offered are relevant to the technological advancements	0
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:		- 10				
Topic	on	stre	carting.	mey	be	Included
			*	5		

Date: 13.4.2017



#### (Autonomous) NH 44, PACHAL, NAMAKKAL-637018

## STUDENTS FEEDBACK ON CURRICULUM & SYLLABUS

Name of the student	12. Mangalasurbaran.	Reg.No	15107086
Programme	B.F. mechanical	Academic year	2017 - 2018
Year of Study	in rd		

\*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	3
3.	Adequacy of time for effective coverage of syllabus/ lab experiments	+
4.	Teachers informed about the expected competencies, course outcomes and programme outcomes	3
5.	Quality of textbook / reference book / course material	1,
6.	The electives offered are relevant to the technological advancements	2
7.	Syllabus develop necessary technical skills to face the industry needs	3
8.	The provision of learning resources in the library are adequate	5

Any other suggestions:		
Sumple	Problems in wit 3 may be	
removed	as they are not relevant.	

Date: 13.4.2017.



#### (Autonomous) NH 44, PACHAL, NAMAKKAL-637018

### STUDENTS FEEDBACK ON CURRICULUM & SYLLABUS

Name of the student	R. Sulash	Reg.No	622114114160
Programme	B-E mochanical	Academic year	2017 - 2018
Year of Study	W year	in the second se	

\*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	2
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	4
7.	Syllabus develop necessary technical skills to face the industry needs	7
8.	The provision of learning resources in the library are adequate	2

Any other su	ggestions:					
				N.		
	Types	07	lases	may t	opic	be Inchested
				1		

Date: 13 4.17

Signature

R. Subash



(Autonomous) NH 44, PACHAL, NAMAKKAL-637018

### TEACHER'S FEEDBACK ON CURRICULUM & SYLLABUS

Name of the Faculty	M.VINOTH KOMAR	Academic Year	2017 - 2018
Designation	A SSISTANT PROFESSOR	Department	MECHANICAL

\*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	5
3.	The course outcomes are clear and well defined	2 .
4.	The course has good balance between theory and lab experiments	3
5.	The syllabus covers modern and advanced topics	5
6.	Adequacy of time for effective coverage of syllabus / lab experiments	4
7.	Sufficient number of prescribed books, reference books and e-resources are available in the library	2
8.	The curriculum ensures student participation in learning process	3

Any other sug	gestions:
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Theory of bonded Joints Concept how to be Included.

Date: 15/4/17





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# TEACHER'S FEEDBACK ON CURRICULUM & SYLLABUS

Name of the	J. solith komar.	Academic	2017-18
Faculty	J. SUJITH EDMAT.	Year	
Designation	Assistant professor	Department	Mechanical.

\*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	5
2.	Courses are relevant to the Programme	4
3.	The course outcomes are clear and well defined	4 1
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	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:						
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& laborator	4 01	asses				ilen ted
Concepts	in to	be	include		V	
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0.1.

Date: 15/4/17.

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### ALUMNI FEEDBACK ON CURRICULUM & SYLLABUS

Name of the Alumni:

BHARATH.C

Branch and Year of completion: MECHANICAL & 2018

Organization with address: precision metal Prt. Hel

Designation:

Quality bontsol

Bhareath @ 1319 mail. com

Mobile No:

8489 480 666

\*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	4
4.	The courses have enhanced the knowledge and the technical skills	4
5.	The curriculum bridges the gap between the industries and institute	5
6.	The curriculum is offered with elective courses/ interdepartmental courses	A
7.	The curriculum is designed so as to enhance the employability skills/ entrepreneurship skills	5
8.	Inclusion of latest developments in the courses	3

Any other suggestions:

- New teenwlogy center may be uncluded - In DR Subject, Unit 3 & Huge, 14 may Peduced.

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### ALUMNI FEEDBACK ON CURRICULUM & SYLLABUS

Name of the Alumni: JAYAPRALASH. P

Branch and Year of completion: MECHANICAL & DOV

Dolter Contings Organization with address:

Quality bondor Designation:

DPrakash 875@ gmail. com Email id:

888320 6684 Mobile No:

\*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	4
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	3
8.	Inclusion of latest developments in the courses	5

Any other suggestions:

Project by Students should contain more tabrication how technology contar may be underded.

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#### ALUMNI FEEDBACK ON CURRICULUM & SYLLABUS

Name of the Alumni:	Karup	pasamy	. M
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Branch and Year of completion: Mechanical & 2013.

Organization with address: Data field india get Hd, coimbatore.

Designation:

production Engineer.

Email id:

kårupposomy 5572 @ gmoil. com

Mobile No:

6308187302

\*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	
2.	The units in the syllabus are properly sequenced	5
3.	The allocation of the credits and its weightage to the course is balanced	Ç
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	ct
7.	The curriculum is designed so as to enhance the employability skills/ entrepreneurship skills	3
8.	Inclusion of latest developments in the courses	5

Any o	ther	suggestions:	
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Topic on feed back system may be Included in CNC technology.

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#### ALUMNI FEEDBACK ON CURRICULUM & SYLLABUS

Name of the Alumni:

MOINESH. P

Branch and Year of completion: MECHANICAL & 2018

Organization with address: SAC Engine lamponent

Designation: production duperuison

Email id: vigness 14104@ smail. com

Mobile No: 8110005745

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

S.No.	Parameters	
1.	Curriculum and Syllabi meets the present scenario	3
2.	The units in the syllabus are properly sequenced	3
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	
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	
8.	Inclusion of latest developments in the courses	4

Any other suggestions: - Hands on training in robotics may be given.

- Lodest hopic to be added



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### 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: C. VICHIES H.

Organization: TATA Priviate limite.

Present Position: Manger.

\*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	2
2.	The courses are related to industry that are included in the programs	5
3.	The courses are related with the specialization streams	H
4.	The syllabus has good balance between theory and application:	1_
5.	Incorporates technical and communication skills	1
6.	Imparts knowledge and skills required for the job market	5
7.	Curriculum develops innovative thinking	\
8.	Is the curriculum relevant for employability /makes the student competent	3.

Any other su	ggestions:			
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Date: 1564174.



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Name of the Employer: An Aran Karrat.

Organization: L. C. B.

Present Position: (N c oferster.

\*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	
2.	The courses are related to industry that are included in the programs	9
3.	The courses are related with the specialization streams	
4.	The syllabus has good balance between theory and application:	ſ
5.	Incorporates technical and communication skills	2
6.	Imparts knowledge and skills required for the job market	h
7.	Curriculum develops innovative thinking	5
8.	Is the curriculum relevant for employability /makes the student competent	2

Any other suggestion	ns:			
objective	type que	etrons in ea	ch amese	Cacto
exam.	colirch is	eseful for	preparing	Competit
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Date:

15/4/12

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# EMPLOYER'S FEEDBACK ON CURRICULUM & SYLLABUS

Dear Employer,

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Name of the Employer: S.VEN KATESH WARAN

Organization: IT METAL FORMING

Present Position: QUALTTY IN CHAR GE

\*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	L
2.	The courses are related to industry that are included in the programs	3
3.	The courses are related with the specialization streams	2
4.	The syllabus has good balance between theory and application:	5
5.	Incorporates technical and communication skills	
6.	Imparts knowledge and skills required for the job market	1
7.	Curriculum develops innovative thinking	4
8.	Is the curriculum relevant for employability /makes the student competent	<

Any other suggestions		-	* .		
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Date: 15 417.

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### EMPLOYER'S FEEDBACK ON CURRICULUM & SYLLABUS

Dear Employer,

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Name of the Employer:

M. Sathiskumar

Organization:

TVS

**Present Position:** 

rauce

\*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	5
2.	The courses are related to industry that are included in the programs	4
3.	The courses are related with the specialization streams	3
4.	The syllabus has good balance between theory and application:	2
5.	Incorporates technical and communication skills	
6.	Imparts knowledge and skills required for the job market	2
7.	Curriculum develops innovative thinking	3
8.	Is the curriculum relevant for employability /makes the student competent	4

Any other suggestions:

Audents should not opt. open elective which is relevant to their branch.

CS Date: 2013 2018
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(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

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Date: 25.05.2017

#### Minutes of the Board of Studies Meeting

Venue: Department of Mechanical Engineering Date and Time: 25.05.2017, 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	W 4321218	
2.	Dr.K.Subramanian	Prof/ MECH	University Nominee	Govt.College of Engineering, Srirangam-620012 Tiruchirappalli.	K.S. J 25.5.17	
3.	Dr.J.Jerald	AP/ PROD	Academic Expert	National Institute of Technology, Tiruchirappalli	94 PS/1	
4.	Dr.K.Srithar	AP/ MECH	Academic Expert	Thiagarajar College of Engineering, Madurai	25/04	
5.	Dr.M.Premkumar	Principal			Por	
6.	Dr.K.K.Ramasamy	Professor			AS	
7.	Mr.M.Makesh	ASP/ MECH	Members	Paavai Engineering College	1000 luh 25/5/17	
8.	Mr.P.Elumalai	ASP/ MECH		СН	=	क्षित्र विकास
9.	Mr.V.Subburam	ASP/ MECH			1/2/05/17	
10.	Mr.M.Gowrisankar	Assistant Manager	Industry Expert	TVS Sundaram Fasteners, Hosur.	M. Cons	

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

S.No	Name	Designation	Position in the Committee	College / University / Industry
1.	Mr.B.Aravinth Krishna kumar	Deputy Manager	Alumni	JSW, Salem

#### **Minutes of the Board of Studies Meeting**

Venue: Department of Mechanical Engineering Date and Time: 25.05.2017, 10.00 am

- 1. Chairman / BoS welcomed all members to the 3<sup>rd</sup> meeting of Board of Studies.
- 2. Chairman / BoS introduced the members to the Board of Studies.
- 3. Chairman / BoS briefed the members about **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 2017–2018 Under Regulations 2016.
- ➤ Curriculum and Syllabi of third and fourth semester for the batches of students admitted in 2016–2017 Under Regulations 2016.
- Curriculum and Syllabi of fifth and sixth semester for the batches of students admitted in 2015–2016 under Regulations 2015.

#### M.E. Engineering Design:

- Curriculum and Syllabi of third and fourth semester for the batches of students admitted in 2016–2017 Under Regulations 2016.
- ➤ Any other relevant matter
- 4. The following are the suggestions given by the members of Board of Studies:
  - Subject credits are not uniform and they should be given uniform credits.
  - In design of machine elements the concept of "Theory of bonded joints" should be added
  - FEA subject may be converted 4 credits instead of 3 credits.
  - Books under "text" "reference" should be updated with latest editions.
  - In HMT subject instead of Heislers chart, topic on infinite solids and semi infinite solids can be included. Yunus cengel authored book on HMT can be added in the reference section.
  - Add topics on first order and second order instruments in Metrology and Measurements subject. Specific instrument name should be added like profile projector, Auto collimator instead of generalizing topics. J.P.Holman authored book on Metrology and Measurements can be added in the reference section.
  - In lab courses specify the uniform number of experiments (10 or 12) for all lab.Keep extra experiments for contingency.

- Specify the total number of periods for lab courses.
- In the subject of UCM add the topic "Ultrasonic Machining" in unit 1. The topic "wire EDM" is repeated and can be removed. Add types of LASER in unit 5b. In unit 3 remove "simple problems", instead add "Electro chemical reactions".
- In the subject of "Renewable energy sources" remove "Simple Calculation" from unit 2. In unit 4, add the topic "Synthesis biofuel".
- In the subject of Theory of Metal Forming, The text book of Deiter should be shifted to reference section.
- In the subject of "Solar Energy System" add sensible and thermal energy storage and add solar still, solar drier & solar desalination.
- In the subject of "Foundry Technology" in the topic "Manual molding process" can be modified as Green sand moulding in unit 2. In unit 3, the topic on "Stir Casting" can be added. In unit 4, re-arrange the topic on "Cupola furnace melting of ferrous and non-ferrous material"
- In the subject of "Industrial Robotics. Give specific sensor types instead of generalizing.
- In the subject of "GDJP", text book authored by "S.M.Yahya" & "Balachandar" can be added. Unit 2 topic should be changed as "Flow through as constant area ducts".
- Tables & data books can be added in the reference section of appropriate subjects.
- In CAD lab, the exercise should be given under the topic of "Simple component", "Drawing and assembling of machine components" in the appropriate places.
- In the subject of "CNC Technology", remove the topics "CNC control system and inspection" in unit 1 & in unit 3 add feedback devices. In unit 4, replace the topic "Manual Part Programming" by "Structure of part Programming".
- In the subject of "Thermo Dynamics" for agriculture engineering, can be changed to "Thermal Engineering". Unit 1 should be titled as "Basic concept & First law" & Unit 2 should be titled as "Second Law of Thermodynamics". Remove the topic on turbines in Unit 3.
- In PG course, in the subject of "Engineering Fracture Mechanism", exposure can be given on advanced software like "Deform"
- Certain number of objective type questions should be included in assignments, internal examinations etc., to prepare the students to do well in competitive exams.

Mr.A.P.Sivasubramaniam

HoD/ MECH – BoS (Chairman)