

**Nirma University
Institute of Technology
Mechanical Department**

**Feedback On
Design and Review of Syllabus
(NAAC point 1.4.1 and 1.4.2)**

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Part - A

Stakeholder Feedback Analysis & Action Taken Report

Part - A

**Stakeholder Feedback Analysis & Action
Taken Report**

**Starting from 2019-20
to 2015-16**

**Action Taken Report:
Feedback Received from Stakeholders on Design and Review of Syllabus**

Name of Department/Institute: Mechanical Engineering Department, School of Engineering, Institute of Technology

Name of Programme: B.Tech/M.Tech in Mechanical Engineering

Summary 19/20

Academic Year 2019-20


Date: 25/2/2020

Sr. No.	Name, Affiliation and Contact Details of Stakeholders consulted (Students, Teachers, Employers, Alumni, Parents & Others)	Details of Feedback Received for design and review of syllabus	Feedback for revision in Existing Syllabus is Considered/ Not Considered	Supporting Documents for showing Stakeholder's Feedback is Considered for Curriculum Revision
1.	Kishan Gajjar, (<i>Alumni Member</i>), Manufacturing Engineer, Thermax Babcock Wilcox Energy Solution, Savli.	Suggested to add Geometric Modeling Software as a compulsory course in B.Tech Curriculum.	Already implemented the suggestion. It is already implemented and covered in "Introduction to Computer Aided Drafting" course.	Notification No. NU-83, Academic Council Meeting 18/4/19 – Annexure-VII
2.	Dr. S.S.Ohol, (<i>Expert from Academia</i>), Associate Professor, Mechanical Engineering Department, College of Engineering, Pune	Suggested to include course on machine vision system which consists few content like image processing tool/devices, software related to robotics, ROS & PID controller. Also suggested to include economics related to Robotics, cost optimization/energy management and social repercussions related to robotics with IFR statistics in Introduction to Robotics syllabus.	Considered the suggestion Respective topics is added in courses of "Robotic Engineering and Mobile Robotics".	-
3.	Nikunj Sharma, (<i>Student</i>), (16BME107), B.Tech. 8 th Semester	Suggested to add topic of clean room design in Air Conditioning Engineering course.	Considered the suggestion It is considered in revised syllabus of "Air Conditioning Engineering" course.	-

4.	Nikul Kumar Patel (<i>Parent</i>), [Father of Jeel Patel (17BME044)]	Suggested that the Stress Analysis should be made taught as compulsory course and Control Engineering course should be kept as institute elective course.	<i>Considered the suggestion</i> Determination of stresses is included in "Machine Design" course, while Control Engineering is part of "Automation and Control" course in new B.Tech. Curriculum. Stress Analysis is offered as Department Elective.	-
5.	Parmar Ronak J., (<i>Student</i>), (17BME068), B.Tech. 5 th Semester	Suggested to add topics related to Probability and vector calculus in "Mathematics for Mechanical Engineering" course.	<i>Already implemented the suggestion partially.</i> The topic of vector calculus is included in the new B.Tech. Curriculum. Probability is being suggested as an Open Elective subject.	Notification No. NU-83, Academic Council Meeting 18/4/19 – Annexure-VII
6.	Patel Jeel H., (<i>Student</i>), (17BME077), B.Tech. 5 th Semester	Suggested that the mini or minor project should not be restricted for particular branch, but should be considered as an interdisciplinary course.	<i>Considered the suggestion</i> The students are encouraged to take interdisciplinary projects and take support from faculty of other departments.	-
7.	Dipesh L. Ajmera, (<i>Parent</i>), [Father of Krish Ajmera (17BME050)]	Suggested to include topic of Nuclear reactors and Alternate solution to overcome energy crisis.	<i>Will be considered in future BoS Meeting.</i> The topics will be considered for inclusion in the course of Energy System-II.	-
8.	Dr Surendra Singh Kachhwaha, (<i>Expert from Academia</i>) Professor, Department of Mechanical Engineering, School of Technology, PDP, U, Gandhinagar Shri Rajesh Sampat, (<i>Expert from Industry</i>) Chief Operating Officer, Inspiron Engineering Pvt.	It was suggested to include information regarding ASME Code in Unit-IV of syllabus for "Machine Design-I" course.	<i>Considered the suggestion</i>	-
		It was suggested to include Bode plot and its interpretation in "Automation and Control" course.	<i>Considered the suggestion</i>	-
		Topic of Mass transfer should be a separate unit and add types of heat exchanger and its classification, and designation of shell and tube heat exchanger as per TEMA standard in "Heat and Mass Transfer" course.	<i>Considered the suggestion</i>	-

<p>Ltd., Ahmedabad Mr. Sitanshu Bhatt, <i>(Expert from Industry)</i> General Manager, Section Head, ENC Plant Component and Materials & QA/QC services, Linde Engineering Ind. Pvt. Ltd., Baroda Mr. Nirmeet Hareshbhai Kacheria, <i>(Alumni Member)</i>, Agniforma Pvt. Ltd., Ahmedabad Saurabh Singh Rajput, <i>(Student)</i>, (18BME171), B.Tech Semester-VI, ME, SoE, IT, NU and Senior Faculty Members of Mechanical Engineering Department, SoE, IT, NU (Stakeholders meeting held on 7/2/2020)</p>	<p>The topic of Generators, Synchronous and induction motors, Alternators, Application and issues of electric machines in practical situations such as Wind turbines and EV should be included in "Electrical Machines" course.</p>	<p><i>Considered the suggestion</i> and forwarded to Electrical Engineering Department for necessary action.</p>	-
	<p>In the topic of refrigeration, include concepts of ODP and GWP for refrigerants and applications of refrigeration in "Energy Systems-I" course.</p>	<p><i>Considered the suggestion</i></p>	-
	<p>Explore possibility to include design of elevators including theory for live loads in "Machine Design-II" course.</p>	<p><i>Considered the suggestion</i></p>	-
	<p>Include cutting of non-metals and introduction to Supply Chain Management in "Manufacturing Technology and Management" course.</p>	<p><i>Will be considered in the future BoS Meeting.</i></p>	-
	<p>Topic of energy storage should be included in "Energy Systems-II" course.</p>	<p><i>Will be considered in the future BoS Meeting.</i></p>	-
	<p>Explore splitting of Unit -II of syllabus for "Advanced Machining Methods" course.</p>	<p><i>Considered the suggestion</i></p>	-
	<p>Include Machine Vision System in syllabus of "Computer Integrated Manufacturing".</p>	<p><i>Considered the suggestion</i></p>	-
	<p>Acceptance criteria of welding to be added in syllabus for "Advanced Welding Technology".</p>	<p><i>Considered the suggestion</i></p>	-
	<p>Replace "Total production maintenance" with "Total productive maintenance" in "Maintenance Engineering" course.</p>	<p><i>Considered the suggestion</i></p>	-
	<p>Safety aspects, more analysis tools, RAMS, Reliability Centered Inspection (RCI) should be included in "Quality and Reliability Engineering" course.</p>	<p><i>Considered the suggestion</i></p>	-
	<p>Topic on "Warehouse and warehouse management" may be added in "Supply Chain Management" course.</p>	<p><i>Considered the suggestion</i></p>	-
	<p>Human machine interface may be included in "Work Study" course.</p>	<p><i>Considered the suggestion</i></p>	-
<p>Include Vibration measurement, concept of resonance, and critical speed of rotors in "Advanced Mechanical Vibrations" course.</p>	<p><i>Considered the suggestion</i></p>	-	

	Introduction to Tribology may be added in "Condition Monitoring of Mechanical Equipment" course.	<i>Considered the suggestion</i>	-
	Include topic of FEA in the syllabus of "Stress Analysis".	<i>Considered the suggestion</i>	-
	Content needs to be elaborated in the unit VI for machine learning applications in syllabus of "Machine Learning for Mechanical Engineers" course.	<i>Considered the suggestion</i>	-
	Content of unit -II and unit III to be elaborated in "Robotic Engineering" course.	<i>Considered the suggestion</i>	-
	All the contents are to be elaborated in "Mobile Robotics" course.	<i>Considered the suggestion</i>	-
	Concepts of Stress Analysis can be added in "Finite Element Analysis" course.	<i>Considered the suggestion</i>	-
	Split Unit-I and add topic of "Clean room" in "Air Conditioning Engineering" course.	<i>Considered the suggestion</i>	-
	Reframe the course title of "Introduction to Computational Fluid Dynamics and Heat Transfer" to "Introduction of computational fluid dynamics" or "Basics of Computational Fluid Dynamics"	<i>Considered the suggestion</i>	-
	Reframe the Course title of "Introduction to Flight and Aerodynamics" to "Basics of flight and Aerodynamics"	<i>Considered the suggestion</i>	-
	Reframe the Course title of "Introduction to Gas Dynamics" to "Gas Dynamics"	<i>Considered the suggestion</i>	-
	Rename unit -III as "Design of Two Phase Heat Exchangers" and in Unit-V; the scope of Mechanical Design of Heat Exchangers content may be increased in the syllabus of "Heat Exchangers" course.	<i>Considered the suggestion</i>	-

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MECHANICAL ENGINEERING DEPARTMENT

A.Y. - 19-20

Summary of Feedback on Curriculum Received from Various Stakeholders (Student, Alumni,
Parent's, Industry Personnel)

DATE: 25/7/2019

Sr. No.	FEEDBACK	Remarks / Action Taken
1	Dr. Marcello Lappa has suggested to add numerical methods dealing with solidification problems. Moreover he has recommended to add two reference books: <ol style="list-style-type: none"> 1. Incompressible Viscous Flow by Clive A. J. Fletcher 2. Numerical Computation of Internal and External Flows: The Fundamentals of Computational Fluid Dynamics by Charles Hirsch 	The suggestion is considered for the syllabus of course Computational Fluid Dynamics and Heat Transfer in M.Tech. (Thermal Engineering) curriculum.
2	Dr. Paul R. Chiarot, Associate Professor, Binghamton University, USA has suggested to add new technologies, smart grid and "Systems approach" in the course Alternative Energy Sources to make students learn how renewables be used together to overcome shortcomings.	It will be considered in future BoS meeting when finalizing the syllabus of Alternative Energy Sources.
3	Kathit V Shah(18MMET11), PG Thermal Engineering IIIrd Sem. Student has suggested to include some topics related to cryogenics in department elective course Refrigeration Engineering.	The suggestion is considered for the syllabus of "Refrigeration and Cryogenics" in M.Tech. (Thermal Engineering) curriculum.
4	Jaymal M. Godhaniya(18MMET14), PG Thermal Engineering IIIrd Sem. Student has suggested to add subject on programming/coding which may be helpful in project work.	The suggestion is considered for syllabus of "Computational Laboratory-I" in M.Tech. (Thermal Engineering) curriculum.
5	Raj Mistry(18MMET09), PG Thermal Engineering IIIrd Sem. Student has suggested to add book on Air Conditioning Engineering by Ronald H. Howell based on ASHRAE Handbook-Fundamentals.	The suggestion is considered for the syllabus of "Air Conditioning System Design" in M.Tech. (Thermal Engineering) curriculum.


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Summary 18/19

A.Y. - 18-19

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Summary of Feedback on Curriculum Received from Various Stakeholders (Student, Alumni, Parent's, Industry Personnel)

DATE: 7/2/2019

Sr. No.	FEEDBACK	Remarks / Action Taken
1.	Mr. Lathigara Mihir (17MMET06) has suggested that training for C++ and Ansys software from industrial perspective. He also suggested to include lab sessions in Viscous Fluid Flow subject.	Under CCE, relevant training may be arranged. In M.Tech structure revision, the suggestions for lab shall be considered.
2.	Mr. Mohommed Naseem Quanungo (17MMET07) has suggested giving term assignments in every subject from very beginning of semester of M.Tech Thermal Engineering.	Suggestion is implemented in the M.Tech program.
3.	Mr. Rakesh Tiwari, Head CHP/AHP of Essar Power Gujarat Limited, has suggested including Coal preparation and Ash handling from the boilers in addition to current components of power plant engineering. He also suggested shifting focus to renewable energy and power storage for electric vehicles.	Topics of Coal and Ash handling, etc can be considered for self-study in Power plant engineering course. Renewable energy is offered as an elective in Semester V.
4.	Mr. Vinod Bhatt, Ex. Head of R&D, Dresser Rand, has suggested including topics such as Troubleshooting, Electrical motors and Gas Engines, Packing and Drivers, Valves, Bearing and Lubrication, Cooling Lubrications for the knowledge of students.	The topics suggested are usually covered through expert lecture and industrial visits.
5.	Dhwanil Talia, G.E.T, Blue Star Limited, has suggested including effects of Capillary on VCR systems and Design of capillaries in syllabus of Refrigeration Engineering.	The topics suggested can be included in the elective subject of Refrigeration Engineering.
6.	Mr. Abhimanyu Shanbhag (16BME001) has suggested addition of new subjects which includes Fundamentals of Aerodynamics, Fluid Power Technology and Experimental Testing and Research. Moreover, Aircraft systems should also include i) Basic aerodynamics, stability and control and ii) Types of aircrafts, history and Aircraft subsystems. Other suggestions include incorporation of Control Engineering and Robotics in 2 nd and 5 th Sem respectively, self-study topics must be industry related.	Topics such as aerodynamics, fluid power technology, robotics and control engineering are partially covered in existing syllabus. Remaining topics can be studied as self-study component.
7.	Mr. Nikung A Parmar (16BME003) suggested addition of Python for Engineers, Introduction to autonomous systems, Applied Mathematics courses to already existing syllabus. New topics such as Probability and Statistics and human behaviour, art of research writing paper and Introduction to "Robot operating system" should be included in the respective	Few humanity courses are important for engineers, so all of those cannot be kept as electives. Other topics can be studied as self-study component. Special Audit courses are floated by NU faculty on similar topics for the benefit of students. As per the AICTE

	subjects. Subjects such as Economics, Law and Entrepreneurship should be kept as an elective rather than compulsory subjects.	model curriculum, minimum credits are to be assigned for humanities subjects such as economics, entrepreneurship ,etc.
8.	Mr. Munignya N Patel (15BME083) suggested to make IC Engines and Refrigeration compulsory subjects and Numericals must be given more emphasis as form part of several competitive exams such as GATE.	Most of the important contents of both the subjects are covered in Semester VI compulsory subject (Thermal engineering).
9.	Mr. Manish Sumera (15BME067) suggested providing elective on basis of interest and not on merit.	It is difficult to distribute electives based on students' interest practically.



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A.Y-18-19

Summary of Feedback on Curriculum Received from Various Stakeholders (Student, Alumni, Parent's, Industry Personnel)

DATE: 25/7/2018

Sr. No.	FEEDBACK	Remarks / Action Taken
1.	Mr. Krishna Raikundaliya (15BME061) has suggested that Thermal Engineering course should be taught before elective courses IC Engines and Refrigeration Engineering. He also suggested that CAD, CAM and PIM should be offered in different semesters.	Suggestion is being considered in the revised curriculum.
2.	Mr. Himanshu Shekhawat (15BME048) has suggested to add Matlab, Arduino programming in Robotics course	It is covered through term assignments and projects.
3.	Mr. Vivek Barsara (15BME014) suggested that number of courses should be reduce and structure of curriculum should be as per GATE syllabus.	In the revised curriculum, the number of courses have been reduced.
4.	Mr. Vivek Barsara (15BME014) also suggested that new topics like slope & deflection, strain energy may be added in Mechanics of Solid, Exergy in Thermodynamics, and Vector calculus in Mathematics.	Topic can be studied as self-study component. Also in new curriculum, vector calculus is included in mathematics III syllabus.
5.	Mr. Dave Kaushal (16BME157) suggested that an elective course on Nuclear power plant may be offered.	Nuclear Power plant working is covered in Power Plant Engineering (ME502). In new curriculum, an elective course on Nuclear Power plant may be planned.
6.	Mr. Dave Kaushal (16BME157) suggested that course related to competitive exam, group discussion and interview should be included.	It is carried out as a part of MESA (Mechanical Engineering Student Association) activities.
7.	Allumni student Mr. Patel Mayur, Senior Engineer, Adani Port and SEZ Ltd has suggested that Axial flow compressor should be covered in more detail.	It is already covered in Fluid Power Engineering (ME503) course.
8.	Allumni student Mr. Malay Patel, Quality Assurance Engineer, Bombardian Transportation suggested to reduce number of course in last year and increase industrial training/project work duration.	It is implemented in the revised curriculum.
9.	Mr. Binay Shankar parent of Atul Shankar(15BME007) suggested that topic related to electronics should be added in concern course.	Mechatronics is offered as an elective course which covers electronics related topics. In revised curriculum, a course on industrial electronics is added.

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10.	Mr. Binay Shankar parent of Atul Shankar(15BME007) suggested that frequent industrial visit should be planned for giving more exposure to the students.	Sufficient industrial visit are planned in each semester.
11.	An industrialist Mr. Dilip Sarda, Director, Synergy Agrotech Pvt Ltd, advised to include cold insulation technique in Thermal Insulation and Design (3ME2255) elective course.	Insulation required for cryocontainers, cryogen transfer line and dairy application is part of syllabus.
12.	Dr Bharat Ramani, Principal & Professor, SLTIET, Rajkot has proposed to include recent developments in renewable energy in Alternative Energy Sources (ME714) and Renewable Energy Sources (ME011)	It is covered through term assignment.
13.	Dr Anurag Mudgal, Associate Professor, PDPU has recommended to add Heat and Mass Transfer by P K Nag (TMH Publication) in Heat and Mass Transfer(ME504) course syllabus.	Book on Heat and Mass Transfer by P K Nag, TMH Publication have been added in revised syllabus of Heat and Mass Transfer (ME504).

[Signature]

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Summary of Feedback on Curriculum Received from Various Stakeholders (Student, Alumni,
Parent's, Industry Personnel)

DATE: 22/3/2018

Sr. No.	FEEDBACK	Remarks / Action Taken
1.	Mr. Mustufa Vora (12BME054) has suggested that, in Operation Research (ME622) course, case study based assignment should be given such as scheduling, predictive maintenance etc.	Case study on scheduling and predictive maintenance are given as part of Innovative assignments in Operation Research (ME622) course.
2.	Mr. Mustufa Vora (12BME054) has also suggested to add linear programming solver from any standard company like IBM, CAPE GEMINI etc in the syllabus in Operation Research.	There is no scope of adding laboratory in Operation Research (ME622) course as it is offered as an elective course. However student may use LP solver as a part of Innovative assignment.
3.	Mr. Harsh Khandelwal (14BME040) has suggested that communication skill should be introduced in VI semester as it is much more crucial just before placement interview.	Communication skill is already covered during 1 st Year of Engineering, however mock interview can be planned as an activity under MESA.
4.	Mr. Mehul Joshi (14BME031) has suggested to add philosophy, sociology and psychology in the curriculum.	It is already covered in B.Tech -III rd Semester supplementary courses like Ethics & Values and Community Services.
5.	Mr. Mehul Joshi (14BME031) also suggested that Physical Education should also be part of syllabus.	Enough infrastructure and facility is available for sports activity.
6.	Mr. Mehul Joshi (14BME031) also suggested to give more weightage to the course Law such as Law for Engineers (SS562) and government rules in details.	Law for Engineers is covered during VI th Semester as a credit course, however additional topic may be studied as a self-study component under the same course.
7.	Mr. Krunal Panchal (16MMET11) and Mr Shivam Dwivedi have suggested to reframe syllabus of thermal insulation and design course (3ME2255) and exergy analysis course (2ME2014).	Case study related thermal insulation and design and exergy analysis are covered as a part of innovative assignment, so reframing of course is not needed.
8.	Mr. Yash Shah (16MMET26) and Mr. Brahmarshi Bhatt (16MMET30) have suggested to add new subject cryogenics into M.Tech Thermal curriculum as an elective subject.	Thought have been given during section level meeting of Thermal Section and will be proposed in next BOS meeting.
9.	Mr. Shivam Dwivedi (16MMET27) has suggested to add software such as MATLAB/programming software in M.Tech Thermal curriculum.	Programming Softwares such as EES are covered during an expert lecture.

10.	Mr. Krunal Panchal (16MMET11) has suggested to add advanced Power plant Engineering and jet propulsion in M.Tech Thermal curriculum.	Topics are covered under the elective course Design of Thermal Turbo Machine (3ME2135).
11.	Mr. Yogesh Prajapati (16MMET19) and Mr. Gaurav Rajput (16MMET20) have suggested to explain in Detail, CFD software and HTRI in M.Tech Thermal curriculum.	Coding behind CFD and HTRI software are already covered during laboratory hours in courses like CFD and Design of Heat Exchangers.
12.	Mr. Harsh Gajjar (16MMET03) has suggested to add Internal Combustion engine should be offered as an elective course in M.Tech Thermal curriculum.	It is already in list of pool of electives.
13.	Mr. Harsh Gajjar (16MMET03) has suggested to add hydrology in M.Tech Thermal curriculum.	Major portion of the course is covered in an elective course Design of Thermal Turbo machine.
14.	Mr. Devarshi Trivedi (16MMET29) has suggested to Add aerodynamics in M.Tech Thermal curriculum as an elective subject.	Thought will be given during section level meeting of Thermal Section.
15.	Mr. Krunal Panchal (16MMET11) has suggested that Thermal Insulation and Design course should be reframed and if possible, conduction related topics should be included in advance heat transfer.	Thought will be given during section level meeting of Thermal Section.
16.	Mr. Devang Sisodiya has suggested to add solid works software in M.Tech CAD/CAM. (16 MMCC 23)	Solid works software is partly covered in laboratory of course CAD, however it may be covered in detail in future.
17.	Mr. Tushar Gajjar has suggested to add Piping design software in M.Tech Design. (16MMET07)	Methodology behind Piping design is already covered in an elective course of Pressure vessel and piping design.
18.	Mr. Rajeshkumar Patel has suggested that to add a book of manufacturing Science by Amitabha Ghosh and A K Mallik as a reference book in Manufacturing Process I and/or II.	Thought will be given during section level meeting of Manufacturing Section.
19.	Dr. Dilip Kumar Patel, Scientist, SAC, ISRO and Dr. D Vakhariya, Professor, Mechanical Engineering Department, SVNIT suggest modifications in the course pertaining to the proposed Minor Specialization in "Robotics and Automation".	The suggestions are incorporated in the courses & will be proposed in the BOS meeting to be scheduled on 22/1/2018.



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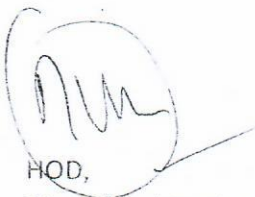
Summary of Feedback on Curriculum Received from Various Stakeholders (Student, Alumni, Parent's, Industry Personnel)

DATE: 15/07/2017

B.Tech. and M.Tech in Mechanical Engineering

Sr. No.	FEEDBACK	Remarks / Action Taken
1.	Please try to introduce MathCAD software for calculation	MathCAD software is taught in 4 th Sem. in course SS342 ICT Tools and Security.
2.	CNC may be included in Manufacturing Process – I course.	CNC Machines are covered in 7 th Sem. ME704 Computer Aided Manufacturing course.
3.	Solar radiation data book by Tyagi may be included in ME714 Alternative Energy Sources Course.	Sufficient list of reference book is given in syllabus. For solar radiation data student may use online data or handbook available in reference section.
4.	Hands on experience on various machines should be increased.	Except high-end equipment, students are allowed to take hands on experience on lab equipment.
5.	Software like Solid Works and ANSYS should be taught in earlier semester.	Software are part of LPW component in applicable subject.
6.	Space technology and Engineering Management subjects should be included in syllabus.	Engineering Management is part of course Production and Industrial Management. Thought will be given to include a course related to Space technology in the electives.
7.	Minor in thermal engineering should be given to the B.Tech students.	Point will be discussed in next BOS meeting.
8.	The course on control systems in aircraft and gas turbine should be introduced.	Topic can be studied as a self-study component under control engineering course.
9.	Lab Sessions should be kept in B.Tech Department Elective Robotics course.	Additional hand on experience can be taken by students during extra hours.
10.	Syllabus of B.Tech Department Elective IC Engine course should be updated to reflect the current advances in the field.	Advance technology are covered as a part of innovative assignment and self-study component.
11.	Basic Mechanical Engineering course should be taught in first year.	Basic Mechanical Engineering course can't be kept in first year, keeping requirement of all departments in to consideration.
12.	Topics related to Electric Car and Automatic Car should be included in our syllabus.	Topic can be studied as self-study component/Seminar.
13.	CFD should be taught in B.Tech.	CFD is offered as an elective course in B.Tech.

14.	Advance Power Cycle course should be taught in M.Tech Thermal Engineering.	Thought will be given during section level meeting of Thermal Engineering Section.
15.	Course on Piping Design should be introduced in B.Tech.	Piping Design is part of course Pressure vessel and Piping design offered in Minor in Design Engineering.
16.	Hydraulic Pneumatic should be offered as regular course in B.Tech.	Course is more suited as an elective course.
17.	Lab hours for CFD should be more in M.Tech in Thermal Engineering.	Students can also practice on CFD software during extra hours.
18.	Recent machining technology should be taught in Manufacturing Subjects.	Recent Machining technology is covered in elective course Advance Machining Methods.



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Prd) B. A. Shah
AY-16-17

NIRMA UNIVERSITY
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MECHANICAL ENGINEERING DEPARTMENT

Summary of Feedback on Curriculum Received from Various Stakeholders (Student, Alumni, Parent's, Industry Personnel)

DATE: 21/01/2017

Summary 16/17

B.Tech. and M.Tech in Mechanical Engineering

Sr. No.	FEEDBACK	Remarks / Action Taken
1.	In ME571 Advanced machining methods course, non-traditional manufacturing processes should be given more weightage.	Non-traditional machining processes are given sufficient weightage during teaching of ME571 Advanced machining methods course.
2.	Piping design and suspension control should be included in curriculum of B.Tech.	<ul style="list-style-type: none"> • Piping design is a part of "MEM154 Design of Pressure Vessels" course for B.Tech. Mechanical with minor in Design Engineering. • Suspension control is part of "Automobile Engineering" which is offered as a department elective course.
3.	Subject related to signal processing to understand the vibration data analysis can included in M.Tech. (Design) course.	Design section of Mechanical Engineering department has been instructed to frame a course related to signal processing for vibration data analysis.
4.	In 3ME3105 Mechanical Design-I, Product design and reliability based design should be incorporated.	Reliability aspect during machine design is directly a part of the course Mechanical Design – I.
5.	In 3ME3105 Mechanical Design-I, lab session should be incorporated to introduce conceptual/creative design.	Based on course content, the LPW component is not suitable for this course.
6.	First year B.Tech. Students from Gujarati medium school background should be given chance to learn German or Spanish language.	Gujarati medium students are only offered English language as per present teaching scheme. It is more important to learn the English as compared to other foreign languages.
7.	SAP software should be introduced to students, as it is widely used in the industry.	The SAP software can be learnt by interested students. Request will be sent to CCE to organize training for the software.
8.	Heat and Mass Transfer, Thermal Engineering, Power Plant Engineering should be offered in 4 th , 5 th , 6 th semester respectively.	Thought will be given at the time of next revision of in teaching and examination scheme.
9.	Software like ANSYS, COMSOL multiphysics should be taught.	These softwares are taught during LPW of the course CAD/FEA/FEBEM.
10.	Topic related to electric car may added to in syllabus of Automobile engineering course.	Highly specific topic like electric car can't be a part of syllabus.

11.	Seminar and Mini project should be offered in higher semester after learning the fundamental subjects.	Project based learning has been adopted by the institute. Hence, Seminar, Mini project, Minor project and Major project are offered in sequence.
12.	Statics and probability related topics should be added in curriculum.	Statics is offered as institute elective.
13.	Practical on CFD software should be added in Fluid Mechanics and Fluid Power Engg courses.	It is beyond the scope to include CFD in detail in these courses.
14.	Thermal Engineering which is offered in 6 th sem should be shifted to 5 th sem to avoid clash of topics with elective subjects.	Thought will be given at the time of next revision of teaching scheme.
15.	For analyses and design part of subjects, Computer aided tools should be more emphasized in comparison to pen & paper only.	Sufficient practice sessions are devoted on computer aided tools in LPW of CAD, CAM, FEA and FEBEM.
16.	Practical understanding of CPM-PERT should be emphasised.	CPM-PERT practical understanding is covered in Production & Industry Engineering course.
17.	Training in the industry should be increased to make students more adaptable with industries.	Provision exists for 6 week industry training after 6 th semester. Also interested students can take industry based project in 8 th Semester.
18.	Maintenance related topics should be included in curriculum.	Maintenance engineering is offered as a department elective course.
19.	More electives can be offered and regular subjects can be decreased to have more flexibility for the students.	Already four department electives, one institute elective and one university elective are offered.



HOD,
Mechanical Engineering Department,
IT, NU

**NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY**

MECHANICAL ENGINEERING DEPARTMENT

Summary of Feedback on Curriculum Received From Various Stakeholders (Student, Alumni, Parent's, Industry Personnel)

DATE: 4/08/2016

B.Tech. and M.Tech in Mechanical Engineering

Sr. No.	FEEDBACK	Action Taken / Remarks
1.	Professional etiquettes and one foreign language should be included in the syllabus.	Foreign language is a part of curriculum.
2.	MATLAB, C, C++, Java, Ansys (in depth) should be included in curriculum.	Assignments based on MATLAB are given to the students. Programming languages at M.Tech can be learnt during extra hours. ANSYS is covered as a part of LPW for FEA.
3.	Programming, Real Design work etc. should be added.	Art of programming is a regular course in B.Tech. Real design activity is a part of Mini/Major/Minor project.
4.	Troubleshooting of Pumps and Compressors should be added.	Specific topics of customized requirements can't be included in syllabus. However, students can request for audit course/special audit course of such topics.
5.	Syllabus should be more industrial oriented.	Inputs of experts from industry are always taken to make syllabus industry oriented.
6.	Mechanical Maintenance: Types and corresponding techniques should be included.	Those topics are a part of elective course titled Maintenance Engineering.
7.	MS Excel should be taught at advance level, As it is a compulsory tool in any industry.	MS Excel can be learnt as a self-study component.
8.	Associate M.Tech semester 2 student with senior in project work to make them learn how to do research.	The students of M.Tech Sem. III and IV are assigned a part of funded research project from DST/SAC-ISRO/GUJCOST.
9.	Syllabus should concern more to industry and industry problem.	Inputs of experts from industry are always taken to make syllabus industry oriented.
10.	The syllabus is precise for M.Tech Design engineering but there should be requirement of inclusion of practical about Finite element analysis in more detail, various types of optimizations like shape, size, and topology etc. using FEA software.	Optimization techniques are covered in the course titled "optimization" – a regular course of M.Tech Design engineering.
11.	Pressure vessel design should be a compulsory subject for CAD/CAM students.	Keeping overall requirement in mind, Pressure vessel design is suitable as an elective course.

12.	FEA syllabus was more theoretical instead of that it should be more practical and real-life problem based.	LPW is a component for FEA, practical aspects are covered in LPW.
13.	Robotics subject can be made more practical and innovative in terms of how to build robots.	The demonstration of various actuators and control systems is given to students. Based on this robot can be designed for a specific application.
14.	CAM subject was very basic at M.Tech level it should be more advance and practical.	The curriculum of CAM is appropriate keeping in mind the fact that students of various universities getting admission in M.Tech.
15.	Add subjects regarding metrology and metallurgy (overview), Product Design and Development in B.Tech Mech. Engg.	Material Technology, Metrology & Instrumentation (regular courses) & Industrial Design (Elective) address this need.
16.	Artificial Intelligence, Neural Network and Fuzzy logic Controls should be a part of curriculum.	Course can be studied as institute elective/special audit courses.
17.	Aerospace Engineering, Power Plant Engineering, Automobile Engineering should be added in M.Tech (Thermal Engineering).	All the courses are a part of UG curriculum.
18.	Statistics for engineers and scientists, STATISTICS, QUALITY CONTROLS, SUPPLY CHAIN MANAGEMENT, Statistical process control, Operation management, Introduction to Business management should be a part of curriculum.	The topics are covered in various department electives/institute electives/Minor specialization.
19.	Computational Fluid Dynamics being a long and new topic should be taught in both (1st and 2nd SEM)	The present teaching scheme of CFD is appropriate keeping in mind the overall programme requirements.


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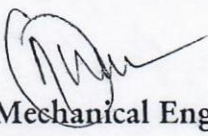
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Date: 16/12/2015

Summary 15/16

Summary of Feedback on Curriculum received from various stakeholders

Sr. No.	Feedback/Suggestions	Action Taken/Remark
1.	Courses on Piping layout & design, Piping engineering, Equipment design (thermal & mechanical), HVAC, Structural Mechanics, Engineering Data Management should be added in B.Tech Curriculum.	<ul style="list-style-type: none"> • A course Pressure Vessel & Piping Design is already offered as an elective course to (i) M.Tech student (ii) Students of Minor in Design Engineering (B.Tech) • Equipment design (Thermal and Mechanical) various aspects are covered in courses like Machine Design-I and Machine Design-II • Engg. Data management is covered in Institute Elective 'Relational Database Management System'
2.	Hybrid courses like Chemical - Mechanical, Mechanical - Structural, Mechanical - Metallurgy, Instrumentation - Chemical should be added in B.Tech Curriculum.	These aspects are taken care in Institute Electives
3.	Topics like FEA, dynamic analysis, CFD, structural - piping interaction, 3D CAD modeling, constructability studies, project execution & control techniques, Plant lifecycle management etc. should be added.	All these topics are a part of regular courses / elective courses
4.	Automation should be added as course.	Automation & Robotics is a regular course in M.Tech (CIM)
5.	More experimental and live case study based courses should be offered.	As per the need, courses have LPW component. Live case study aspect is taken care is Continuous Evaluation.


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NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY

A-1-15-16

MECHANICAL ENGINEERING DEPARTMENT

Summary of Feedback on Curriculum Received From Various Stakeholders

DATE: 10/08/2015

B.Tech. in Mechanical Engineering

Sr. No.	FEEDBACK	Action Taken / Remarks
1.	Role of mechanical engineering in environmental upgradation/improvement should be included.	Environment and Energy Studies is a regular course of B.Tech.
2.	Introduction to various solar panel and their products and processes should be included.	Solar Panel are covered in Alternative Energy Sources elective course.
3.	How to face interview and lead in group discussion should be included in curriculum.	This part is covered by Mechanical Engineering Student Association as a part of Extra-curricular activity.
4.	<p>Apart from academic studies, knowledge on following subject is required once an engineer enters the industry or any organization. Please check feasibility of incorporation of below mentioned points in academic calendar.</p> <ol style="list-style-type: none"> 1. Software training on mechanical design. 2. Industrial planning. 3. Industrial safety. 4. Factory rule and act. 5. Root cause analysis 6. Reliability and condition monitoring of equipment. 7. NDT techniques used. 8. Quality certification. 9. Tendering and outsourcing. 10. Team building and leadership quality. 11. Ethics and Indian value system. 	<p>This aspects are covered in</p> <ol style="list-style-type: none"> 1. Fractional course 2. Department Electives 3. A course on Ethics and Values 4. Activities of Mechanical Engineering Student Association
5.	As elective subjects some M.tech. Course should be available for design, production and thermal based on student interest, he can take according to interest.	M.Tech courses are offered to B.Tech students as a part of Minor in Design Engineering
6.	Make it compulsory to learn one foreign language.	Foreign language is a compulsory course.
7.	Subject related to Indian NAVY, Aerospace, and Police Intelligence Agencies.	Subjects related to NAVY, Aerospace, and Police Intelligence is irrelevant to curriculum.
8.	Management related subjects should be included	Production and Industrial Management, Organization behavior are part of curriculum
9.	Recent trends, new innovations, technology and E-labs, Virtual labs, Library can be Introduced in each subject.	Students are introduced with virtual lab.

10.	These Subjects should be included a) Automated manufacturing system b) Advance Engineering techniques c) CNC programming	This topics are part of department elective/regular courses
11.	After thermodynamics in third semester there was gap of a semester for thermal related subjects. If possible this gap should be avoided.	Course related to Thermal Engineering are present in each semester except semester I and II.
12.	<ul style="list-style-type: none"> • Automobile related subjects must be included in syllabus. • Design related software as CFD and FEA should be taught through workshop conducted by concerned faculties. 	<ul style="list-style-type: none"> • Automobile Engineering is offered as department elective course. • Workshop are conducted by department at regular interval.
13.	Subjects like LEAN MANUFACTURING, ADDITIVE MANUFACTURING, AEROSPACE, COMPOSITES, and Computational Fluid Dynamics should be included.	This subjects are covered under various department elective courses.
14.	ISO standards, Six Sigma, TQM, BOOTSTRAPING, Optics, Industrial Psychology, FEM, DYING, AUTOMATION, JET PROPULSION, DESIGN PHYLOSOPHY. These topics should be included	This topics are covered under various regular/department elective courses.
15.	<ul style="list-style-type: none"> • Material Technology – Add study of new materials like Ceramics, composites, FGM etc. • Atleast basic understanding should be given for strength of material - Mohr's Circle , basics of FEM. 	<ul style="list-style-type: none"> • Ceramics, Composites, Smart material are part of Material Technology course. • This aspects are covered under Mechanics of Solids.
16.	<ol style="list-style-type: none"> 1. MP1 and MP2 – Add the new manufacturing processes like Additive Manufacturing etc. 2. Elements of machine design – Include design philosophy in the syllabus so that students get to appreciate the Importance of design and don't get a misconceptions that designing is only about finding out dimensions. 	<ul style="list-style-type: none"> • It is covered in Computer Aided Design. • Design Philosophy is covered in detail in Machine Design –I course.
17.	Power plant engineering. Should be divided in 2 different semester due to large syllabus and its importance.	Looking the overall curriculum the present content and teaching scheme is ok.
18.	<ul style="list-style-type: none"> • Introduction to aeronautical engineering Subject should be included. • Modern day used engines in vehicles & car instead of conventional engines. Carburetors topic is irrelevant now. 	<ul style="list-style-type: none"> • Aspects related to Aircraft are covered in department elective – Introduction to Aircraft course. • Current technologies in Automobiles are covered through seminar and Innovative Assignments.
19.	Seismic analysis, ergonomics, aerospace, optimization in design, any in depth course of design in early semester, Machine tool design should be included.	<ul style="list-style-type: none"> • Seismic Analysis is covered in department elective Advanced Mechanical Vibration. • Machine tool design is department elective.


20.	Compressible flow, Boundary layer Separation, Stress analysis, Fatigue design, and Heat Exchanger design should be included.	This topics are covered under the various department elective course.
21.	<ul style="list-style-type: none"> • More emphasize on CFD in Fluid Mechanics and FPE. • Design fundamental should be taught in third and fourth semesters rather than just dimensioning. • Automobile and aerospace engg. Subjects should also be included. 	<ul style="list-style-type: none"> • CFD is department elective course, Fluid Mechanics and FPE are regular courses. • The course on Industrial Drafting and Machine Design is offered to 4th semester students. • Automobile Engineering and Aircraft systems are offered as department electives.

M.Tech. in Mechanical Engineering

S.No.	Feedback	Remarks/Action Taken
1	Energy audit and management more detailed study and practical work are required as it is practical subject.	This aspect are covered through case studies in Course Energy Audit and Management.
2	Gas dynamics, Thermal Insulation, Air Conditioning should be compulsory as these all are related for energy audit suggestion.	Looking the overall curriculum the present content and teaching scheme is ok.
3	<ul style="list-style-type: none"> • Assignment should include the use of latest software as per the subjects like for e.g., • Irrelevant subjects like cyber security should be replaced with elective courses such as foreign language or programming based Softwares. 	<ul style="list-style-type: none"> • Enough emphasis is given on used of software in different courses. • In current era it is required for the students to have knowledge about cyber security to protect themselves from cybercrimes. Study of foreign language is not essential for M.Tech Students.
4	Cryogenics engineering, Gas Dynamics, Energy resources (NPTEL), piping engineering, Appropriate technology. These subjects should be included.	This courses are regular or department elective course.
5	<ul style="list-style-type: none"> • Air Conditioning – Practical problems and case studies. • Energy Audit – In depth study of each and every components. • PUSP – Load forecasting, Scheduling, • Power purchase, Agreement, System Planning. • Communication Skills – Mock Interviews, Aptitude. 	This aspects are taken care in various department elective courses/communication skill.
6	Product Planning, Safety engineering should be included.	Product planning is part of course Production and Quality Management.
7	<ul style="list-style-type: none"> • Automobile and Aerospace engineering, Special courses of Robotics • Abaqus CAE Software , Solid works for modelling, ADAMS – For kinematic analysis, Simufact – For analysis of welding process 	<ul style="list-style-type: none"> • Automobile Engineering is a department elective. Aerospace Engineering is not fit in to the curriculum. • Various software are covered in LPW.

8	Electronics cooling and Cryogenics based power generation.	This topics can be covered in innovative assignment and Seminar.
9	<ul style="list-style-type: none"> • IC engines, Labs for programming language such as (C, Matlab, Scilab) • Choice for elective subjects and provide them as well. 	<ul style="list-style-type: none"> • Programming languages are to be learned as self-study. • Electives are given as per student choice and availability of faculty in the department.
10	<ul style="list-style-type: none"> • According to aspect of thermal engineering, IC Engine should be added in syllabus • Power plant engineering and CFD Softwares seminar should be introduced in syllabus. 	<ul style="list-style-type: none"> • IC Engine is offered as department elective. • Power Plant Engineering is covered at UG level, Software are to be learned as self-study component.
11	Please add C language and ansys and matlab in place of cyber security.	Software are to be learned as self-study component.
12	<ul style="list-style-type: none"> • Viscous fluid flow was very lengthy subject. • Kinematics and dynamics topics we already studied in B.E. so if possible edit the syllabus. Kinematics and dynamics can be covered in orientation. 	The treatment given to kinematics and dynamics of fluid flow is different in PG than that at UG.
13	<ul style="list-style-type: none"> • Numerical and practical approach should be more in Design of Heat Exchanger, Gas Dynamics, and Computational Fluid Dynamics. • Proper book or well-designed curriculum for TID should be there. 	<ul style="list-style-type: none"> • Enough numerical are covered in the respective courses. • Unfortunately a single book for Thermal Insulation and Design is unavailable.
14	<ul style="list-style-type: none"> • Solar related subjects should be taught. • DHE should be more concentrated towards practical approach in curriculum, same with GD. 	<ul style="list-style-type: none"> • New elective course Solar Thermal Energy Systems- Principles and Design have been proposed to Academic Council. • Enough numerical are covered in the respective courses.
15	Thermal Insulation design, thermal power plant, Refrigeration system. These subjects should be included.	Thermal Insulation and Design and Refrigeration system are department elective course. Thermal Power Plant is covered at UG level.
16	<ul style="list-style-type: none"> • New Subjects: Composite material for Engineers • New topics: Rotor dynamics, Thermal Design consideration in Structural elements, Automobile parts design, Advance mechanism design(spatial mechanism synthesis) 	<ul style="list-style-type: none"> • Composite materials is a part of advanced machine design I, mechanics of composite materials is an elective. • This topics are covered through various department elective courses.
17	<ul style="list-style-type: none"> • Automobile subsystem working and its designing. • Composite Material components designing and manufacturing should be in more detail. 	<ul style="list-style-type: none"> • This topics are covered in department elective – Automobile Engineering. • Enough numerical are covered in Advanced Machine Design – I course.
18	<ul style="list-style-type: none"> • New Subjects: Product planning and safety engineering. 	<ul style="list-style-type: none"> • Product planning is part of course Production and Quality Management.

	<ul style="list-style-type: none"> • Suggestions: The syllabus can be more focused on various practical knowledge through using various mechanical software and learning them until advanced level rather than just basics. • Moreover there is no procedure to apply for any re-evaluation in the SEE, this is present in every other university. 	<ul style="list-style-type: none"> • LPW component is integral part of various courses and different Softwares are covered over there. • SEE Answer books are shown to the students.
19	<ul style="list-style-type: none"> • Subjects related to Design should be added more. Some real life case studies should also be added to improve practical knowledge. • Any one subject related to management or leadership should be part of curriculum. 	<ul style="list-style-type: none"> • Enough design related courses are part of M.Tech CAD/CAM and M.Tech Design Engineering • Production and Quality Management is regular course for M.Tech in Computer Integrated Manufacturing. Various management related courses are exists as department elective.
20	Selection method of different equipment and accessories, Topics related to tool design system, Calculation method for different processes.	All this aspects are covered in Mechanical Design – I, Mechanical Design – II, Advance Machine Design – I and Advance Machine Design - II
21	Advanced Engineering. Dynamics, Material Science and Metallurgy, Automated process planning, Product design for manufacturing and assembly should be included in curriculum.	Contents related to this are covered through various regular and department elective courses.
22	Ergonomics and Aesthetics consideration in design and industrial safety, System simulation, Industrial Ethics, Communication and presentation skills should be included in curriculum.	This aspects are covered at Under Graduate level. Communication Skill is part of M.Tech Curriculum.
23	<ul style="list-style-type: none"> • There is need to give same importance to software learning as that of theory. • If possible, arrange sufficient industrial visit as per syllabus. 	<ul style="list-style-type: none"> • Various software are covered in LPW. • Industrial Visit are regularly arranged for applied courses.


 HOD,
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Part - B

Filled Feedback Forms by Various Stakeholders

(Alumni, Students, Teachers, Employers and Parents)

Note: It is not compulsory for students to disclose their identity while giving the feedback

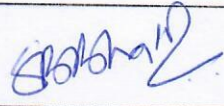
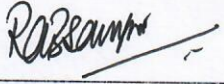


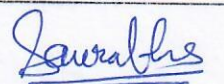
**All Stakeholder
Feedback Forms
(Alumni, Students,
Teachers, Employees
and Parents)**

Year: 2019-20

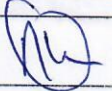


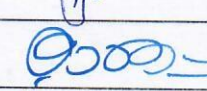
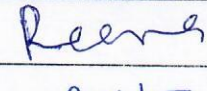


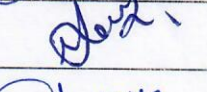
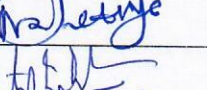

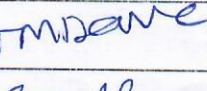
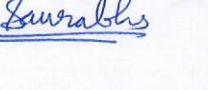

**Nirma University
Institute of Technology
School of Engineering
Department of Mechanical Engineering**

Stakeholder Meeting held to review the curriculum of
B.Tech Mechanical Semester-V to VIII
Attendance Sheet (07/02/2020)

Special Invitees

Sr. No.	Name	Designation	Signature
1.	Mr. Sitanshu Bhatt	Head, Rotating Equipment, Linde Engineering Ind. Pvt. Ltd., Baroda	
2.	Shri Rajesh Sampat	Chief Operating Officer Inspiron Engineering Pvt. Ltd., Ahmedabad-	
3.	Dr Surendra Singh Kachhwaha	Professor, Department of Mechanical Engineering, School of Technology, PDPU, Gandhinagar	
4.	Mr. Nirmeet Hareshbhai Kacheria (Alumni Member)	Agniforma Pvt. Ltd, Ahmedabad	
5.	Saurabh Singh Rajput (Student Member) 18BME171	B.Tech Semester-VI ME, SoE, IT, NU	

Faculty of Mechanical Engineering Department

Sr. No.	Name	Designation	Signature
1.	Dr R N Patel	Additional Director, SoE	
2.	Dr V J Lakhera	HOD	
3.	Dr K M Patel	Professor	
4.	Dr B A Modi	Professor	
5.	Dr S J Joshi	Professor	
6.	Dr R R Trivedi	Asso. Professor	
7.	Dr B K Mawandiya	Asso. Professor	
8.	Dr A M Lakdawala	Asso. Professor	
9.	Dr N K Shah	Asso. Professor	
10.	Dr S V Jain	Asso. Professor	
11.	Dr N D Ghetiya	Asso. Professor	
12.	Dr M B Panchal	Asso. Professor	
13.	Dr A M Achari	Asso. Professor	
14.	Dr J M Dave	Asso. Professor	
15.	Saurabh Singh	Student	

**NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY,
SCHOOL OF ENGINEERING
Department of Mechanical Engineering**

Date : 18th February 2020

Minutes of Meeting of Stakeholders held on 07/Feb/2020

A meeting of various stakeholders was held to discuss the curriculum of B.Tech Mechanical Semester-V to VIII on 07th February, 2020 at A-Conference room. The following members were present during the meeting.

- Dr R N Patel, Additional Director, SoE, IT, NU
- Dr V J Lakhera, Head, Department of Mechanical Engineering, SoE, IT, NU
- Dr Surendra Singh Kachhwaha, (**Expert from Academia**) Professor, Department of Mechanical Engineering, School of Technology, PDP, Gandhinagar
- Shri Rajesh Sampat, (**Expert from Industry**) Chief Operating Officer, Inspiron Engineering Pvt. Ltd., Ahmedabad
- Mr. Sitanshu Bhatt, (**Expert from Industry**) General Manager, Section Head, ENC Plant Component and Materials & QA/QC services, Linde Engineering Ind. Pvt. Ltd., Baroda
- Mr. Nirmeet Hareshbhai Kacheria, (**Alumni Member**), Agniforma Pvt. Ltd., Ahmedabad
- Dr K M Patel, Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr B A Modi, Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr S J Joshi, Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr R R Trivedi, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr B K Mawandiya, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr A M Lakdawala, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr N K Shah, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr S V Jain, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr N D Ghetiya, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr M B Panchal, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr A M Achari, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Dr J M Dave, Asso. Professor, Department of Mechanical Engineering, SoE, IT, NU
- Saurabh Singh Rajput, (**Student Member**), 18BME171, B.Tech Semester-VI, ME, SoE, IT, NU

The following points were discussed during the meeting:

1. The proposed syllabus for courses of B.Tech Mechanical Engg. Sem-V to VII.
2. The proposed list of department electives for various sub-disciplines of Mechanical Engineering and open electives to be offered by the Department for students of IT, NU.

The discussion was initiated by Dr R N Patel, Additional Director, School of Engineering, Institute of Technology, Nirma University briefing all members about the same.

The Committee members deliberated various aspects related to proposed curriculum at length and provided many useful suggestions/ comments as follows:

Observation on proposed syllabus of Semester V to Semester VII

Semester	Course	Suggestions
B.Tech. Semester-V	Machine Design-I	<ul style="list-style-type: none"> • It was suggested to include information regarding ASME Code in Unit-IV of syllabus
	Automation and Control	<ul style="list-style-type: none"> • It was suggested to include Bode plot and its interpretation. • Waterfall analysis of vibration may be included.
	Heat and Mass Transfer	<ul style="list-style-type: none"> • Topic of Mass transfer should be a separate unit. • Add types of heat exchanger and its classification, and designation of shell and tube heat exchanger as per TEMA standard • Generalized transport energy equation along with vector/integral approach may be included.
	Electrical Machines	<ul style="list-style-type: none"> • The course is designed well and suits the requirement and expectations of the industry to connect the gaps with regards to a mechanical engineering graduate. • The topic of "Generators and Alternators" is useful for mechanical engineer and should be included. Emphasis on "Transformers" may be reduced accordingly to optimize on contents. • Performance curves and load-torque characteristics for motors may be included in the content and experiments. • Synchronous and induction motors may also be included in the contents. • Application and issues of electric machines in practical situations such as Wind turbines and EV may be highlighted. • Identification of hazardous area and classification/scope of international safety standards may be included.

B.Tech. Semester- VI	Energy Systems-I	<ul style="list-style-type: none"> In the topic of refrigeration, include concepts of ODP and GWP for refrigerants and applications of refrigeration.
	Machine Design-I	<ul style="list-style-type: none"> Explore possibility to include design of elevators including theory for live loads.
B.Tech. Semester VII	Manufacturing Technology and Management	<ul style="list-style-type: none"> Include cutting of non-metals Add introduction to Supply Chain Management
	Energy Systems-II	<ul style="list-style-type: none"> Topic of energy storage to be included Include upcoming trends on fusion and fission
Department Elective Courses	Advanced Machining Methods	<ul style="list-style-type: none"> Explore splitting of Unit -II of syllabus.
	Computer Integrated Manufacturing	<ul style="list-style-type: none"> Split Unit-I or adjust the teaching hrs. as the number for one single unit is large. Title of Unit-III is to be reframed and sequence of content to be checked i.e. first regression and thereafter ANOVA. Include Machine Vision System in syllabus
	Advanced Welding Technology	<ul style="list-style-type: none"> Acceptance criteria of welding to be added in syllabus Topic of Welding Automation to be added in unit-II
	Hydraulics and Pneumatics	<ul style="list-style-type: none"> Edit the sentence to include "compressed air generation-its application and distribution".
	Maintenance Engineering	<ul style="list-style-type: none"> Title of course to be considered for renaming as "Maintenance Engineering and Asset Management" Replace "Total production maintenance" with "Total productive maintenance".
	Quality and Reliability Engineering	<ul style="list-style-type: none"> Safety aspects may be added in Unit-V In Unit III more analysis tools can be added Term "RAMS" to be included. Reliability Centered Inspection (RCI) to be included.
	Supply Chain Management	<ul style="list-style-type: none"> Topic on "Warehouse and warehouse management" may be added.
	Work Study	<ul style="list-style-type: none"> Unit IV (wage administration) may be dropped. Human machine interface may be included.

Department Elective Courses	Advanced Mechanical Vibrations	<ul style="list-style-type: none"> • Include “Vibration measurement and applications” • Include concept of resonance, critical speed of rotors (Unit-I)
	Condition Monitoring of Mechanical Equipment	<ul style="list-style-type: none"> • Introduction to Tribology may be added.
	Stress Analysis	<ul style="list-style-type: none"> • Include topic of FEA in the syllabus
	Machine Learning for Mechanical Engineers	<ul style="list-style-type: none"> • Content needs to be elaborated in the unit VI for machine learning applications. • Title may be reframed as “Basics of Machine Learning”
	Robotic Engineering	<ul style="list-style-type: none"> • Content of unit –II and unit III to be elaborated.
	Mobile Robotics	<ul style="list-style-type: none"> • All the contents are to be elaborated.
	Tribology	<ul style="list-style-type: none"> • Include rolling contact bearing and multi pivotal segmental bearing in the syllabus
	Finite Element Analysis	<ul style="list-style-type: none"> • Concepts of Stress Analysis can be added
	Air Conditioning Engineering	<ul style="list-style-type: none"> • Split Unit-I • Add topic of “Clean room”.
	Heat Exchangers	<ul style="list-style-type: none"> • Rename unit –III as “Design of Two Phase Heat Exchangers” • In Unit-V, the scope of Mechanical Design of Heat Exchangers content may be increased.
	Introduction to Computational Fluid Dynamics and Heat Transfer	<ul style="list-style-type: none"> • Reframe the course title to Introduction of computational fluid dynamics or Basics of Computational Fluid Dynamics
	Introduction to Flight and Aerodynamics	<ul style="list-style-type: none"> • Reframe the Course title to Basics of flight and Aerodynamics
	Introduction to Gas Dynamics	<ul style="list-style-type: none"> • Reframe the Course title to Gas Dynamics

The meeting ended with thanks to the Chair

Head, 

Department of Mechanical Engineering

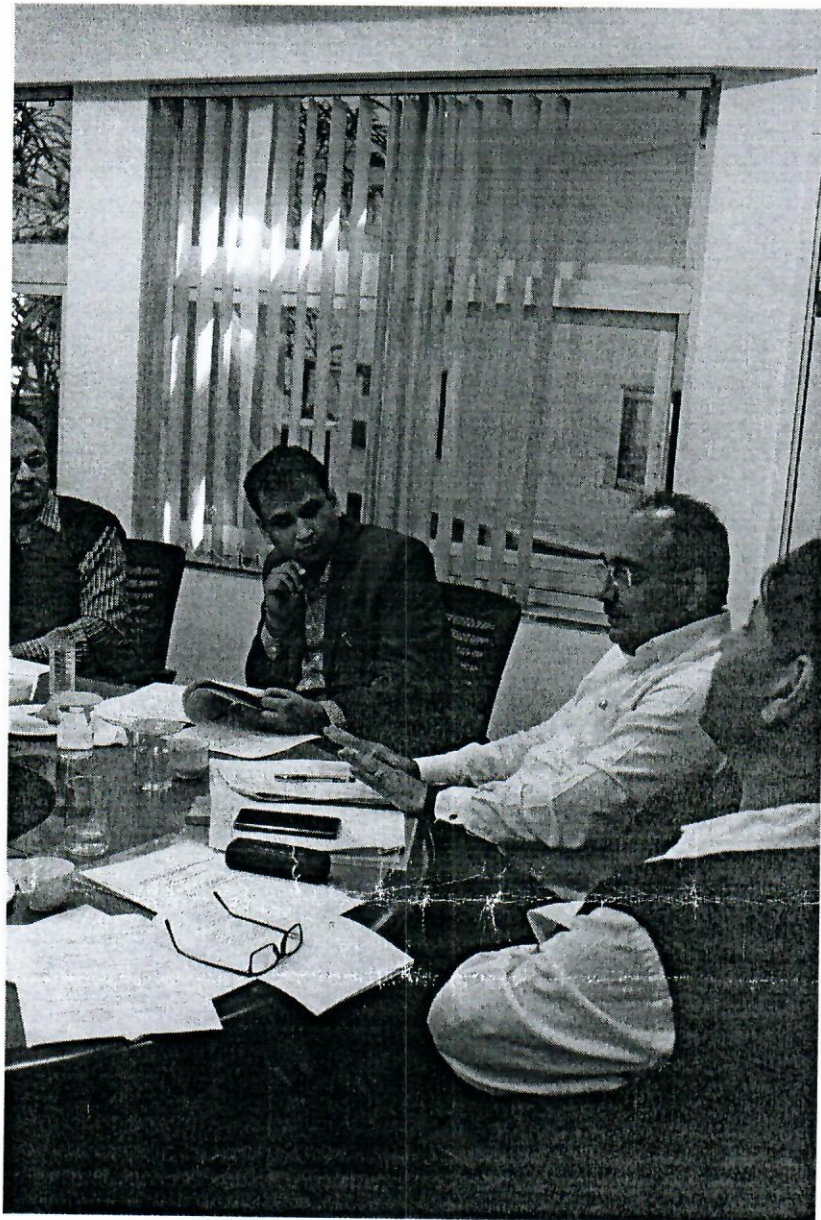
Copy to :

1. Additional Director, SoE
2. All members









Feedback about syllabus from students

Name: NIKUNJ SHARMA

Roll Number: 16BME107

Semester: VIII

Branch: Mechanical

(1) General comments

→ The curriculum is upto mark and appropriate according to industry standards

(2) Suggestions for new subjects

→ No suggestions,


(3) Suggestions for new topics

→ In Airconditioning Engineering course, add the topics relevant to clean room design & functioning

(4) Any other suggestions relevant to Syllabus

→ No suggestions

Date: 11th Feb 2020

Signature: 

Alumni Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Alumni Feedback Form

Personal Details

Name: KISHAN J GAJJAR (14BME041)	
Designation: Manufacturing Engg.	
Company/Institute: Thermax Babcock & Wilcox Energy Sol ⁿ , Savli	
Email: kishan979@gmail.com	
Phone: 9638097703	Fax:

Feedback regarding syllabus

(1) General comments

Overall syllabus is good

(2) Suggestions for new subjects

—

(3) Suggestions for new topics

—

(4) Any other suggestions relevant to Syllabus

Solidworks & ANSYS should be taught compulsory.

Date: 11/02/2020
Place: Ahmedabad


KISHAN J GAJJAR

Name and Signature

Teacher Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Academic Peer's Feedback Form

Personal Details

Name:	Dr. S. S. Ohol	
Designation: Professor,	- Associate Professor in Mechanical	
Company/Institute:	- College of Engg. Pune	
Email:	SSO.mech@coep.ac.in	
Phone:	020-25507229	Fax: 020-25507299.

On the basis of → ME 643, Fund. of Mech^r, Ind. Automation & R&A lab.

Feedback Regarding Syllabus: - Syllabus is ok. contents are good as per the allotted time.


General Comments: - Economics related to Robotics can be taught / covered.

Suggestion for new subjects: - Machin Vision System
Content → Image processing tools, devices and softwares related to Robotics.
Page - 7

Suggestion for new topics: - In Lab, ROS & PID controller's tuning based activities can be added

Any other Suggestions relevant to Syllabus: -
Cost optimization / Energy management and social repercussions related to Robotics in concerned with IFR statistics can be added as a ~~part~~ part of Introduction to Robotics syllabus.

(Name and Signature)


3/8/19
(Dr. S. S. Ohol)

**Nirma University
Institute of Technology
Parent's Feedback Form**

Personal Details

Name of Student: KRISH. D. AJMERA	
Roll No.: 17BME050	Class: A
Name of Parent: DIPESH. L. AJMERA	
Residential Address: B-61, zodiac Aster, OPP AIS SCHOOL Badakdev AlBad	
Office Address: Plot no 387, MICROTECH BOILERS GIDC KATHWADA	
Email: 17bme050@nirmauni.ac.in	
Phone: 7874944281	Fax:

Rating Standards (Part A)

5 – Excellent 4 – Very Good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Quality of curriculum		✓			
2.	Guiding / Counseling by Faculty		✓			
3.	Attendance, Discipline and Punctuality Regulations – Information Provided		✓			
4.	Faculty & quality of teaching	✓				
5.	Adherence of the Institute to academic calendar	✓				
6.	Academic progress of your Ward		✓			
7.	Improvement in Communication and Presentation Skills of the Ward	✓				
8.	Co-curricular and Extra curricular activities – Wards participation		✓			
9.	Infrastructure facilities at Institute		✓			
10.	Your overall opinion about the Institute and the Programme		✓			

P.T.O.

Part B (Applies to those parents who have background of engineering)

Please go through the syllabus provided and submit your feedback in the following format.

(1) General comments

Add practical and real time industrial situations to the syllabus.

(2) Suggestions for new subjects

Every semester must give students a chance and time to develop a physical model based on topics.

(3) Suggestions for new topics

Please include limited topics but coverage in depth. Include subjects of Nuclear reactors for power plants, Alternate solutions to current energy crisis.

(4) Any other suggestions relevant to Syllabus

Date: 9/08/2019
Place: AHMEDABAD.

Name & Signature

Dipesh . L . Ajmera
Dipesh . L . Ajmera

✓

Nirma University
Institute of Technology
Parent's Feedback Form

Personal Details

Name of Student: JHEEL NIKULKUMAR PATEL	
Roll No.: 17BMED44	Class:
Name of Parent: NIKULKUMAR S. PATEL	
Residential Address: B103, BALAJI GREENS, B/H SITARAM SUPERMARKET, CHHANI CANAL ROAD, VADODARA, 390024.	
Office Address: PANOLI INTERMEDATES PVT. LTD., NANDESARI, VADODARA.	
Email: nikulspatel nikulspatel@yahoo.co.in	
Phone: +918128191831	Fax:

Rating Standards (Part A)

5 – Excellent 4 – Very Good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Quality of curriculum		✓			
2.	Guiding / Counseling by Faculty		✓			
3.	Attendance, Discipline and Punctuality Regulations – Information Provided	✓				
4.	Faculty & quality of teaching		✓			
5.	Adherence of the Institute to academic calendar	✓				
6.	Academic progress of your Ward	✓				
7.	Improvement in Communication and Presentation Skills of the Ward		✓			
8.	Co-curricular and Extra curricular activities – Wards participation		✓			
9.	Infrastructure facilities at Institute		✓			
10.	Your overall opinion about the Institute and the Programme		✓			

P.T.O.

Part B (Applies to those parents who have background of engineering)

Please go through the syllabus provided and submit your feedback in the following format.

(1) General comments

NO COMMENTS

(2) Suggestions for new subjects

No comments

(3) Suggestions for new topics

No comments.

(4) Any other suggestions relevant to Syllabus

→ Stress Analysis should be made compulsory
~~NO COMMENTS~~ and in place Control engineering
subject should be kept as institute elective.

Date: 08-08-19
Place: VARODARA


Name & Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Jeel H. Patel

Roll Number: 17bme077

Semester: 5th

Branch: Mechanical

(1) General comments

→ Projects :- ~~In~~ Mini or minor projects not restricted for particular branch, but linked other branches. So the projects will be big, good and more useful.

(2) Suggestions for new subjects

—

(3) Suggestions for new topics

—

(4) Any other suggestions relevant to Syllabus

—

Date: 08/08/2019

Name and Signature

Jeel Patel

Patel

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Parmar Ronak J.

Roll Number: 17BME068

Semester: 5th

Branch: Mechanical

(1) General comments

←

(2) Suggestions for new subjects

~~probability~~
~~vector calculus.~~

(3) Suggestions for new topics

- probability, vector calculus should be added in Mathematics For Mechanical engineering.

(4) Any other suggestions relevant to Syllabus

—

Date: 8/8/2019.

Parmar Ronak J.
@over.

Name and Signature

Student Feedback

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Shah KATHIT Vivekkumar

Roll Number: 18MMET11

Semester: III

Branch: Thermal Engineering.

(1) General comments

(2) Suggestions for new subjects

(3) Suggestions for new topics

Certain topics related to cryogenics may be included in refrigeration elective so that student undertaking Project work related to cryogenics is benefited.

(4) Any other suggestions relevant to Syllabus

Date: 01/05/2019



Name and Signature

SHAH KATHIT
VIVEKKUMAR

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Godhaniya Jaymal M.

Roll Number: 18MMET14

Semester: II

Branch:

(1) General comments :-

Overall Syllabus is OK.

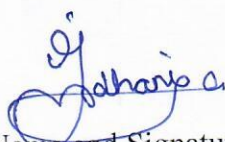
(2) Suggestions for new subjects

Some 'Subject on Programming / coding may be introduced in Sem-I so that help in Sem II ~~distraction~~ ^{Project} work.

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Date: 16/04/19


Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Raj Mistry

Roll Number: 18MMETO4

Semester: IInd

Branch: THERMAL ENGG.

(1) General comments

(2) Suggestions for new subjects

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

following book, ashrae handbook, → fundamentals by
Ronald Howell can be added in A.C. engineering course.

Date: 25/4/2019

Name and Signature

Raj Mistry

Raj Mistry

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Academic Peer's Feedback Form

Teacher Feedback

Personal Details

Name: Dr. Marcello Lappa	
Designation:	
Company/Institute: Department of Mechanical and Aerospace Engineering, University of Strathclyde, Glasgow, UK	
Email: MARCELLO.LAPPA@STRATH.AC.UK	
Phone:	Fax:

Feedback regarding syllabus

(1) General comments

Syllabus is ok.

(2) Suggestions for new subjects

—

(3) Suggestions for new topics

—

(4) Any other suggestions relevant to Syllabus

You may also consider the possibility to cover numerical methods dealing with solidification problems (e.g. THE ENTHALPY METHOD).

Date: 25/2/19
Place: A'bad

Name and Signature

OTHER SUGGESTED BOOKS:

FLETCHER (for incompressible flow)
HIRSCH (for compressible flow)

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Academic Peer's Feedback Form

Personal Details

Name: Paul R. Chiarot	
Designation: Associate Professor, Mech. Engrg.,	
Company/Institute: BINGHAMTON UNIVERSITY, STATE UNIVERSITY OF NEW YORK, USA	
Email: pchiarot@binghamton.edu	
Phone: 607-777-3208	Fax: —

Feedback regarding syllabus

(1) General comments

→ an important course, focused on new technologies

(2) Suggestions for new subjects

→ may want to consider energy distribution networks (smart grid, etc.)

(3) Suggestions for new topics

→ "systems approach" to renewables, get students to think about how different technologies can work together

(4) Any other suggestions relevant to Syllabus

→ incorporate "systems approach" to renewable/sustainable energy. How can renewables be used together to overcome shortcomings?

Date: 8/2/19

Place: Ahmedabad

Name and Signature

Paul Chiarot
SUNY Binghamton

**All Stakeholder
Feedback Forms
(Alumni, Students,
Teachers, Employees
and Parents)**

Year: 2018-19

Alumni Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Alumini's Feedback Form

Personal Details

Name:	Dhwanil Tolia
Designation:	C.E.T
Company/Institute:	Blue Star Ltd.
Email:	dhwanil.tolia@gmail.com
Phone:	875 8810524
Roll No:	14BM E117

Feedback regarding syllabus

(1) General comments

Overall, it's good.

(2) Suggestions for new subjects

(3) Suggestions for new topics

→ Effects of Capillary on VCR. and design of Capillaries.

(4) Any other suggestions relevant to Syllabus

→ Add excel in IET tools subject.

Date: 29/12/18.
Place: Ahmedabad


Name and Signature

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY

Feedback about syllabus from students

Name: Mohommed Naseem Quarungo

Roll Number: 17MMETO7

Semester: IV

Branch: M.Tech (Thermal)

(1) General comments

Overall, syllabus is good.

(2) Suggestions for new subjects

—

(3) Suggestions for new topics

—

(4) Any other suggestions relevant to Syllabus

—

Date: 2/2/19



Signature:

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY

Feedback about syllabus from students

Name: ABHIMANYU SHANBHAG

Roll Number: 16BME001

Semester: 6

Branch: MECH

(1) General comments

The syllabus is satisfactory in general for an undergraduate course in Mech. Engineering. Some initiation of students towards research would improve the current curriculum.

(2) Suggestions for new subjects

- 1) Fundamentals of Aerodynamics
- 2) Fluid Power Technology
- 3) Elective - Exp. testing & Research

(3) Suggestions for new topics

- i) Introduction to Aircraft systems should be expanded into 2 courses consisting of:-
 - A) Basic Aerodynamics & Stability and control
 - B) Types of Aircrafts, History, Aircraft subsystems

(4) Any other suggestions relevant to Syllabus

- i) CFD should include laboratory component
- ii) Control Engineering should be included in 2nd year
- iii) Robotics should be included in Sem 5 (outside electives)
- iv) More components & courses from Aerospace engineering should be incorporated into the syllabus
- v) Self study topics should be industry related
- vi) More research oriented view of topics can be provided

Date: 2/2/19

Signature:



NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY

Feedback about syllabus from students

Name: Nikunj A. Parmar

Roll Number: IGBME003

Semester: VI

Branch: Mechanical Engineering

(1) General comments

- Overall syllabus is compliant with the undergraduate requirements.
- Mini Projects should not be taken lightly.

(2) Suggestions for new subjects

- Python of Engineers. (Programming Language). (sem-I)
- Introduction to autonomous systems. (sem-V)
- applied mathematics. (sem-V)
- any subject from art, arts. (sem-II)

(3) Suggestions for new topics

- Probability & statistics (sem-II)
- Psychology and human behaviour (sem-II)
- art of research paper writing (sem-IV, Seminar)
- Introduction to "Robot Operating System" (sem-V, Robotics)

(4) Any other suggestions relevant to Syllabus

- Syllabus should not be lengthy, we can cut short irrelevant topics and focus on only important topics.
- Economics, Law, entrepreneurship should not be mandatory for everyone. we can add it to Institute electives.

Date: 2/2/19

Signature: Nikunj P.

Teacher Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Academic Peer's Feedback Form

Personal Details

Name: Dr. Anurag Mudgal	
Designatin: Associate Professor, Mechanical Engineering Department	
Company/Institute: School of Technology, PDPU, Gandhi agar	
Email: anurag.mudgal@got.pdpu.ac.in	
Phone: 9429026498	Fax: 079-23275437

Please give your feedback for following matters:

(1) General comments

Syllabus is ok & covers all general subjects related to Heat Transfer.

(2) Suggestions for new subjects

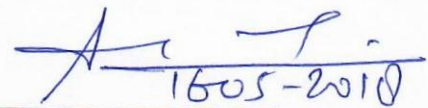
P.K. Nag (TMM, publication may be added)

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Date: 16/05/2010

Place: NIRMA.


1605-2010

Name and Signature

(ANURAG MUDGAL)

Employee Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Feedback Form

Personal Details

Name: Rakesh Tiwari	
Designation: Head CHP/AHP	
Company/Institute: ESSAR POWER GUJARAT LTD.	
Email: rakesh605@gmail.com	
Phone: 8980042354	Fax:

Rating Standards

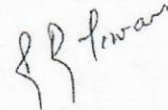
5 – Excellent 4 – Very good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Syllabus Content		✓			
2.	Syllabus relevant to practices in industries/R & D organization			✓		
3.	Revision of syllabus – inclusion of latest technologies			✓		
4.	Component weightage of courses.					
5.	Supplementary courses in the curriculum					
6.	Departmental electives in curriculum					
7.	Institutes electives in curriculum					
8.	Industrial training/Industry projects in curriculum					
9.	Full semester project					
10.	Minor projects					
11.	Overall curriculum					

Date: 22-09-2018

Place: Ahmedabad

Rakesh Tiwari -



Name and Signature

Feedback Regarding Syllabus:

General Comments:

The syllabus topics like Economics of power, Pollution problems of thermal power plants are very relevant and also the syllabus covers all the components of the conventional thermal power plant, but in my opinion basics of fuel (Coal preparation) and Ash handling from boilers can be beneficial. Also now a day the focus is on Renewable power generation and the future of power generation belongs to clean technologies. Lots of focus today is towards power storage, because of shifting to electric vehicles, which can be included.

Suggestion for new subjects:

Non convention sources of energy like Solar, Wind, Hydro, etc. and Power Storage can be thought of as these technologies will play a major role in future.

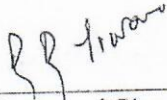
Suggestion for new topics:

Topics on Solar PV, Solar Hydro, Wind turbines, Hydro power plants and their efficiercics. Power storage systems, like pumped storage, compressed air storage and batteries and pollution control equipment like Electrostatic precipitator, Flue Gas Desulphurization, Carbon capture and storage technologies can be considered looking to the future trends.

Any other Suggestions relevant to Syllabus:

Self-study topics on Energy conservation, and Green energy technologies can be encouraged.

Rakesh Tiwari



(Name and Signature)

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Feedback Form

Personal Details

Name: Ms. Vinod Bhatt	
Designation: Ex. head (R&D), Dresses Road Group.	
Company/Institute: Dresses Road, Naroda, Ahmedabad	
Email: vnbhatt@gmail.com	
Phone: 9925010858	Fax:

Rating Standards

5 – Excellent 4 – Very good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Syllabus Content	✓				
2.	Syllabus relevant to practices in industries/R & D organization	✓				
3.	Revision of syllabus – inclusion of latest technologies		✓			
4.	Component weightage of courses.		✓			
5.	Supplementary courses in the curriculum	✓				
6.	Departmental electives in curriculum		✓			
7.	Institutes electives in curriculum		✓			
8.	Industrial training/Industry projects in curriculum	✓				
9.	Full semester project		✓			
10.	Minor projects	✓	✓			
11.	Overall curriculum		✓			

Date: 18/Sept/2018
Place: Ahmedabad



 Name and Signature
 Vinod Bhatt

Feedback Regarding Syllabus: *very good*

General Comments: —

Suggestion for new subjects: —

Suggestion for new topics: *Following topics should be added.*

- *Issue, Trouble shooting*
- *Electrical motors, Gas engines*
- *Packing, Drives*
- *Valve, Bearing, Lubrication*
- *Cooling controls*

Any other Suggestions relevant to Syllabus: —

Vinod

(Name and Signature)

Vinod Bhatt

14/Sept/2018.

**All Stakeholder
Feedback Forms
(Alumni, Students,
Teachers, Employees
and Parents)**

Year: 2017-18

Alumni Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Alumini's Feedback Form

Personal Details

Name:	Derang Joshi
Designation:	-
Company/Institute:	-
Email:	joshiderang0@gmail.com
Phone:	9510649699
Roll No:	15MMET07

Feedback regarding syllabus

- (1) General comments It should be require more project oriented.
- (2) Suggestions for new subjects more focus on CFD Lab.
- (3) Suggestions for new topics
- (4) Any other suggestions relevant to Syllabus

Date: 06/07/17
Place: Ahmedabad.

Derang Joshi
Name and Signature

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Alumini's Feedback Form

Personal Details

Name:	Mr. Mustafa Vora (12BME054)
Designation:	Analyst
Company/Institute:	Indus Momentus Business Solutions
Email:	mustafa_vora712@yahoo.com
Phone:	+91 97129 69052
Roll No:	12BME054

Feedback regarding syllabus

(1) General comments -

(2) Suggestions for new subjects -

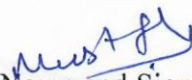
(3) Suggestions for new topics

OR - Case study based assignments and/or projects.
i.e. Taking some sample data sets
- Scheduling - (OR)
- Predictive maintenance (PIM)

(4) Any other suggestions relevant to Syllabus

LP - Solvers from any standard companies like
IBM, Capgemini, etc. for limited no. of variables

Date: 5/8/2017
Place: Ahmedabad

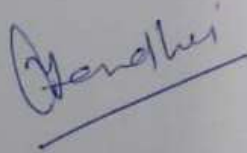

Name and Signature
Mustafa Vora

Date: 28-12-2017

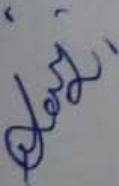
Mr. Vishal Gandhi (Director ,Marpo Steam Jet pvt ltd.) an alumni of Institute of Technology visited the campus and had a informal meeting with Prof. (Dr.) V.J.Lakhera, Prof S.V.Jain and other faculty members and discussed following points.

1. A course on Cryogenic Technology for M.Tech students may be introduced as a need of the industry dealing with cryogenic technology
2. Few topic in the course of Advanced Heat Transfer (related to radiation heat transfer) may be modified/added.
3. A course on basics of quality management may be added to induce awareness on quality.
4. A course on basics of Automobile Engineering may be added to induce awareness on fundamental and developments in the area of Automobile Engineering.

The above points were decided to be considered in section level meeting of the department and for consideration of the Board of Studies meeting.



Vishal Gandhi
(Director ,Marpo Steam Jet pvt Ltd)



Prof. S.V.jain
(Associate Professor)



H.O.D.
Mech

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Alumini's Feedback Form

Personal Details

Name:	PATEL MAYURKUMAR MAHENDRABHAI
Designation:	SENIOR ENGR.
Company/Institute:	ADANI PORTS & SEZ LTD.
Email:	mayurmp2711@gmail.com
Phone:	9904049202
Roll No:	12BME039

Feedback regarding syllabus

(1) General comments

NIL

(2) Suggestions for new subjects

Include Mechatronics subject in Elective

(3) Suggestions for new topics

Axial Flow Compressors can be study in more detail.

(4) Any other suggestions relevant to Syllabus

NIL

Date: 07/07/2018
Place: AHMEDABAD

mm Patel
Name and Signature
MAYUR PATEL

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: ANIL SAKHIYA.

Roll Number: 16MMET22

Semester: III

Branch: M. Tech Thermal.

(1) General comments


(2) Suggestions for new subjects

Advance power cycle
in sem = 2.

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Date: 10/07/2017.


Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Joshi Mehul Kumar

Roll Number: 14BME031

Semester: 7

Branch: Mech

- (1) General comments - philosophy, sociology & psychology, these should be one of the above subjects in our academics.
- (2) Suggestions for new subjects - Add one subject for physical education
→ computer programme which better use in company
- (3) Suggestions for new topics
→ new topics and give more lecture to Law for engineers subjects and add topic about governmental process and election article from constitution.
- (4) Any other suggestions relevant to Syllabus

Date: 19/07/2017

Name and Signature

Mehul Joshi



Institute of Technology

Nirma University

Feedback about syllabus from students

Name: HARSH KHANDEWAL

Roll Number: 14BME040

Semester: VII

Branch: A-Div. (Mech. Department)

(1) General comments

If possible, the summer break has to be increased as no relevant research can be completed in duration of 45 day. Otherwise students who have good internships should be given NOC if possible.

(2) Suggestions for new subjects

Current course style is excellent.

(3) Suggestions for new topics

Communication Skill was part of previous sem but it should be introduced in 6th sem as it is much more crucial just before interviews.

(4) Any other suggestions relevant to Syllabus

None.

Date: 18/7/2017

Harsh
(Harsh Khandelwal)

Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Shah Yash D.

Roll Number: 16MMET26

Semester: 3rd

Branch: M. Tech - Thermal

(1) General comments

Placement.

(2) Suggestions for new subjects

Cryogenics

(3) Suggestions for new topics

Conduct lectures on HTRT software

(4) Any other suggestions relevant to Syllabus

Date: 15/12/2017

Signature: Y. D. Shah.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Shivam Kuman Dwivedi
Roll Number: 16MMET27
Semester: IIIrd
Branch: THERML

(1) General comments

- TID's syllabus should be well defined.
- Energy Analysis must ~~focus on~~ need more exposure.

(2) Suggestions for new subjects

- Cryogenics
- More related softwares like matlab.

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

- There should be more guidance & support which enables the student to cope real world problems, industrial issues, etc.

Date: 12/12/17

Shivam

Signature:

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Prajapati Yogesh Chamanlal

Roll Number: 16MMET19

Semester: 3rd semester

Branch: Mechanical (Thermal Engineering)

(1) General comments

→ Lectures are very effectively delivered by all faculties.

(2) Suggestions for new subjects

→

(3) Suggestions for new topics

→ More practical and labs related to CFD should be done
→

(4) Any other suggestions relevant to Syllabus

- For Computational Fluid dynamics there should be much more practical lab hours.

Date: 11/12/17

Signature: *yogesh*

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Harsh D. Gajjar

Roll Number: 16MME103

Semester: 3rd

Branch: M.Tech. (Thermal)

(1) General comments

→ More placement.

(2) Suggestions for new subjects

→ IC Engine

(3) Suggestions for new topics

→ Hydrology

(4) Any other suggestions relevant to Syllabus

→ Satisfied.

Date: 12/12/17

Signature:



Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Sisodiyu Devung K

Roll Number: 16mmcc23

Semester: 3rd

Branch: M.Tech - CAD/CAM

(1) General comments

—

(2) Suggestions for new subjects

— Solidworks Software

(3) Suggestions for new topics

—

(4) Any other suggestions relevant to Syllabus

—

Date: 15/12/2017

Devung Sisodiyu
Devung
Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Devanshi P. Trivedi

Roll Number: 16MMET29

Semester: 3rd

Branch: Thermal Eng. (M.Tech)

(1) General comments

Syllabus is pretty good. Most of the areas covered into this.

(2) Suggestions for new subjects

Elective subject like Aerodynamics is interesting & also important.

(3) Suggestions for new topics

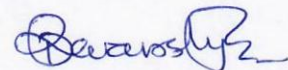
~~Jet ps~~
Jet propulsion

(4) Any other suggestions relevant to Syllabus

15/12/17

Date:

Devanshi Trivedi



Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: HIMANSHU SHEKHAWAT

Roll Number: 15RME048

Semester: 7th sem.

Branch: Mechanical

(1) General comments

~~In subject~~

(2) Suggestions for new subjects

In the field of Robotics some subjects like matlab, Arduino programming must be included.

(3) Suggestions for new topics

IC engine should not be kept as elective it must be a mandatory subject.

(4) Any other suggestions relevant to Syllabus

Do a survey in industries and update syllabus according to industrial needs.

Date:

16/07/2018

Name and Signature

Himanshu
Himanshu

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: GAJJAR TUSHAR M.

Roll Number: 16MMED07

Semester: III

Branch: M.Tech (Design Engg.)

(1) General comments


(2) Suggestions for new subjects

- Piping Design software for Designing

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Date: 15/12/2017


Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Vivek Barasara

Roll Number: 15BME014

Semester: 7th

Branch: MECHANICAL

(1) General comments

Should reduce the no. of subjects.
Should structure the curriculum according to Gate syllabus.
Important topics should not be kept in self study.

(2) Suggestions for new subjects

~~Engineering~~ Engineering Mechanics

(3) Suggestions for new topics

Slope & Deflection, Strain energy in Mechanics of Solid
Exergy in Thermodynamics
Vector Calculus in Mathematics

(4) Any other suggestions relevant to Syllabus

Date: 16/7/18

Vivek Barasara


Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: KRISHNA K. RAIKUNDALIYA

Roll Number: 15BME061

Semester: 7TH

Branch: MECHANICAL


- (1) General comments When a new sem starts, all the basic topics are given a little more time. It is necessary, but the later topics that are sometimes difficult to understand are not given enough time & focus.

(2) Suggestions for new subjects

- (3) Suggestions for new topics Some subjects related to the industries, if introduced earlier, might help us in internship during the 6TH sem vacation.

- (4) Any other suggestions relevant to Syllabus The order of Subjects. For eg; Thermal engineering as compulsory subject & IC and refri as electives in the same sem makes it difficult for understanding. Similarly in 7TH sem CAD, CAM & PIM are together.

Date: 16/7/18


Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: DAVE KAUSHAL-K.

Roll Number: 16BME157

Semester: 7th

Branch: mechanical.

(1) General comments

→ Elective subjects as compulsory, such as AC, Refri, IC, Automobile Engineering

(2) Suggestions for new subjects

→ Nuclear power plant.

→ CFD.

(3) Suggestions for new topics

→ aptitude

→ Preparation for GD (group discussion), Interview.

(4) Any other suggestions relevant to Syllabus

→ Inclusion of New trends. In every subject.

→ Recent trends.

Date: 19/7/2018

Dave

Kaushal

Name and Signature

Nirma University
Institute of Technology
Parent's Feedback Form

Personal Details

Name of Student: <i>Kunal R Panhel</i>	
Roll No.: <i>16 mm et 11</i>	Class: <i>Sem III (ME)</i>
Name of Parent: <i>Rajesh Kumar B Panhel</i>	
Residential Address: <i>20/ sasita Banglow; motera, Ahmedabad</i>	
Office Address: <i>-</i>	
Email:	
Phone: <i>079-23293887</i>	Fax:

Rating Standards (Part A)

5 – Excellent 4 – Very Good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Quality of curriculum		✓			
2.	Guiding / Counseling by Faculty	✓				
3.	Attendance, Discipline and Punctuality Regulations – Information Provided	✓				
4.	Faculty & quality of teaching	✓				
5.	Adherence of the Institute to academic calendar	✓				
6.	Academic progress of your Ward					
7.	Improvement in Communication and Presentation Skills of the Ward	✓				
8.	Co-curricular and Extra curricular activities – Wards participation				✓	
9.	Infrastructure facilities at Institute	✓				
10.	Your overall opinion about the Institute and the Programme		✓			

P.T.O.

Part B (Applies to those parents who have background of engineering)

Please go through the syllabus provided and submit your feedback in the following format.

(1) General comments

—

(2) Suggestions for new subjects

—

(3) Suggestions for new topics

—

(4) Any other suggestions relevant to Syllabus

Manufacturing science by
Amitabha Ghosh & A.K. Mallik
should be added in curriculum.

Date: 16-12-2017
Place: Ahmedabad,

Name & Signature

P.R. Parekh.

Nirma University
Institute of Technology
Parent's Feedback Form

Personal Details

Name of Student: ATUL SHANKAR	
Roll No.: 15BME007	Class: Mech -
Name of Parent: BINAY SHANKAR .	
Residential Address: E-402 Sangath Silver Vistat - Grandhinagar Road Ahmedabad .	
Office Address: ^{ONGC} Avani Bhavan , Chandkheda .	
Email: binay04shankar@gmail.com .	
Phone: 9428007490	Fax:

Rating Standards (Part A)

5 – Excellent 4 – Very Good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Quality of curriculum		✓			
2.	Guiding / Counseling by Faculty		✓			
3.	Attendance, Discipline and Punctuality Regulations – Information Provided	✓				
4.	Faculty & quality of teaching		✓			
5.	Adherence of the Institute to academic calendar	✓				
6.	Academic progress of your Ward		✓			
7.	Improvement in Communication and Presentation Skills of the Ward	✓				
8.	Co-curricular and Extra curricular activities – Wards participation			✓		
9.	Infrastructure facilities at Institute	✓				
10.	Your overall opinion about the Institute and the Programme		✓			

P.T.O.

Part B (Applies to those parents who have background of engineering)

Please go through the syllabus provided and submit your feedback in the following format.

(1) General comments

Mechanical engineering students should be exposed more to various industries through frequent field visits.

(2) Suggestions for new subjects

Computers engineering/Electronics should be part of course

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Date: 24-07-18

Place: Ahmedabad



Name & Signature

**All Stakeholder
Feedback Forms
(Alumni, Students,
Teachers, Employees
and Parents)**

Year: 2016-17

Alumni Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Feedback Form – Alumni

Personal Details


Name: <u>AKSHIT SINGH</u>	
Designation: <u>AEE (DRILLING)</u>	
Company/Institute: <u>ONGC</u>	
Email: <u>singhakshit4@gmail.com</u>	
Phone: <u>9435717292.</u>	Fax:

Rating Standards

5 – Excellent 4 – Very good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Syllabus Content		✓			
2.	Syllabus relevant to practices in industries/R & D organization		✓			
3.	Revision of syllabus – inclusion of latest technologies		✓			
4.	Component weightage of courses.	✓				
5.	Supplementary courses in the curriculum		✓			
6.	Departmental electives in curriculum		✓			
7.	Institutes electives in curriculum		✓			
8.	Industrial training/Industry projects in curriculum		✓			
9.	Full semester project	✓				
10.	Minor projects			✓		
11.	Overall curriculum	✓				

Date: 3/12/16
Place: AHMEDABAD.

AKSHIT SINGH

Name and Signature

Feedback Regarding Syllabus:

General Comments:

SAP SYSTEM BEING EXTENSIVELY USED IN INDUSTRY.
OVERVIEW CAN BE PROVIDED.

Suggestion for new subjects:

Suggestion for new topics:

THERE IS LOT OF EMPHASIS ON ALTERNATIVE ENERGY
SOURCES IN THE INDUSTRY. IT SHOULD BE GIVEN
DUE WEIGHTAGE.

Any other Suggestions relevant to Syllabus:

ALSO THERE BE FOCUS ON INCULCATING ETHICS
IN THE STUDENTS.

AKSHIT SINGH



(Name and Signature)

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Feedback Form — Alumni

Personal Details

Name: <u>Drupad Patel</u>	
Designation: <u>Manager : Engineer Mechanical Maintenance</u>	
Company/Institute: <u>Reliance Industries limited</u>	
Email: <u>drupad.patel99@gmail.com</u>	
Phone: <u>9099537490</u>	Fax:

Rating Standards

5 – Excellent 4 – Very good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Syllabus Content		✓			
2.	Syllabus relevant to practices in industries/R & D organization			✓		
3.	Revision of syllabus – inclusion of latest technologies	✓				
4.	Component weightage of courses.		✓			
5.	Supplementary courses in the curriculum	✓				
6.	Departmental electives in curriculum	✓				
7.	Institutes electives in curriculum	✓	✓			
8.	Industrial training/Industry projects in curriculum		✓			
9.	Full semester project	✓				
10.	Minor projects	✓				
11.	Overall curriculum		✓			

Date: 30/11/16
Place: Ahmedabad

D Patel
[Drupad Patel]
Name and Signature

Feedback Regarding Syllabus:

General Comments: Training in Industries, should be encouraged, so that students will get be able to get more knowledge of the field.

Suggestion for new subjects: Subjects such as Power plant Engineering, should be taught more, deeply if the student is interested in that field.

-so, Basically, students should be taught less subjects, but if he likes any definite subject, he should be taught more deeply.

Suggestion for new topics:

Maintenance topics ~~of~~ should be included.

Any other Suggestions relevant to Syllabus:

—

Patel

[Dripad Patel]
(Name and Signature)

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Feedback Form - Alumni

Personal Details

Name: Jainil Shah	
Designation: Application Engineer	
Company/Institute: Ingersoll Rand	
Email: jainilshah50@yahoo.com	
Phone: 9909035370	Fax:

Rating Standards

5 - Excellent 4 - Very good 3 - Good 2 - Average 1 - Below Average

No.	Aspect	5	4	3	2	1
1.	Syllabus Content	✓				
2.	Syllabus relevant to practices in industries/R & D organization	✓				
3.	Revision of syllabus - inclusion of latest technologies		✓			
4.	Component weightage of courses.		✓			
5.	Supplementary courses in the curriculum	✓				
6.	Departmental electives in curriculum	✓				
7.	Institutes electives in curriculum		✓			
8.	Industrial training/Industry projects in curriculum		✓			
9.	Full semester project		✓			
10.	Minor projects		✓			
11.	Overall curriculum		✓			

Date: 2/12/2016
Place: Ahmedabad

Jainil
Name and Signature

Feedback Regarding Syllabus:

General Comments:

AB Planning — lead time reduction.
CPM PERT — Practical understanding

Suggestion for new subjects:

—

Suggestion for new topics:

—

Any other Suggestions relevant to Syllabus:

—

Fayyaz

(Name and Signature)

Student Feedback

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Harshad Vekariya

Roll Number: 15BME176

Semester: 7th

Branch: Mech.

(1) General comments

CAD Modeling subjects should be in earlier semesters so that it can help in miniprojects

(2) Suggestions for new subjects

CFD should be there in syllabus & Thermal & flow analysis

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Date: 10/7/2017

Harshad

Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Raghav Gupta

Roll Number: 14BME093

Semester: 7

Branch: Mechanical

(1) General comments

Make subjects with more practical / labs than theory.

On manufacturing, we must perform tasks than observation tasks.

(2) Suggestions for new subjects

Aeronautics, Cryogenics, Mining.

(3) Suggestions for new topics

Electric Cars, Automated Cars.

New & latest development must be comprised in syllabus

(4) Any other suggestions relevant to Syllabus

PPE & other subjects have very less syllabus.

Calculations in subjects like I.C., Powerplant, Alternate Energy Sources etc. were very less.

10/7/17
Date:

Raghav
Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Sujay R. Asukar

Roll Number 14BME115

Semester: VI

Branch Mechanical

- General comments

Thermodynamics → Heat and Mass Transfer → Refrigeration → Power Plant → I.C. Engine
IV IV V VI VI

- Suggestions for new subjects

Teaching Software like Ansys, COMSOL Multiphysics

Design of Power Plant

P&ID Software

Process Flow Diagram

- Suggestions for new topics

Design of Heat Pump, Refrigerator

- Any other suggestions relevant to Syllabus

PPE → More about condensers, Pumps etc like design, working

Sujay R. Asukar

16/01/2017

Student Feedback

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Naisarg Shah

Roll Number: 14BME104

Semester: 7

Branch: Mechanical

(1) General comments

Software like Solid works; Ansys should be taught in earlier semester ~~rather~~ than in 7th semester. rather

(2) Suggestions for new subjects

Aeronautics and space technologies; Engineering Management

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Syllabus should more focus on practical oriented teaching. rather than theoretical. More credits should be assign to minor, mini projects so that students take it seriously.

Date: 10/7/17

Name and Signature


Naisarg

Feedback about syllabus from students

Name: Karan Shah

Roll Number: 14BME103

Semester: 7th

Branch: Mechanical

- (1) General comments - There can be stream of subjects which can be followed for a particular specialization in any concerned area. [eg Minor in Thermal - Refrigeration, Thermo].
- (2) Suggestions for new subjects -
 - As per new trend and scope in Aviation industry - related subjects can be included. [control system in Aircraft, Gas Turbine]
- (3) Suggestions for new topics
 - More practical exposure regarding the subjects studied & compulsory involvement of students for Research topics [like material development, casting, car assembly, BOM preparing]
↳ Bill of Material
- (4) Any other suggestions relevant to Syllabus
 - Industrial scenario (realization).
 - upliftment / encouragement of students toward R&D.
 - minor training/internship in each vacation (projects)

Date:

10/7/17

Name and Signature

Karan Shah

Karan Shah

Name: Sarang Visapure

Roll Number: 14BME101

Semester: 7th

Branch: Mechanical

(1) General comments

Paper checking system should be having some criterion, so that evaluation process will be more or less equal for all the students. And that criterion should be explained to students so that they can match their answer with ideal one.

(2) Suggestions for new subjects

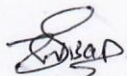
(3) Suggestions for new topics

- Lab-practical sessions for Robotics (Department Elective)
(Too much theoretical stuff but students couldn't visualise that)

(4) Any other suggestions relevant to Syllabus

Department Elective subjects & their syllabus has to be updated. IC engine field is almost saturated & doesn't have a grand scope. Also, the syllabus is same (with slight changes) from last many years.

Date: 10/07/2017


Sarang Visapure
Name and Signature

Name: Shyam Shukla.

Roll Number 14BME109

Semester VI

Branch Mechanical.

(1) General comments

None.

(2) Suggestions for new subjects

Statistics and Probability subject should be added as these are important topics regarding professional life. Complex Numbers should also be added to the subject of mathematics.

(3) Suggestions for new topics

Practical aspects of (FD) should be added to the syllabus of Fluid Mechanics and Fluid Power Engineering we are only taught theory of it not practical.

(4) Any other suggestions relevant to Syllabus

Instead of having thermal engineering in the VI semester it should be in V semester as in V semester we have electives of Refrigeration and IC engine and the syllabus clash.

Shyam Shukla

14bme109.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: SUJAL DAVE

Roll Number: 14BME114

Semester: VII

Branch: Mechanical

(1) General comments

Increasing hands-on experience of various machines.

(2) Suggestions for new subjects

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Date: 10/7/17



Name and Signature

Sujal Dave

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Shuk Nandish Majambhat

Roll Number: 14BME060

Semester: VII

Branch: Mechanical

(1) General comments

(2) Suggestions for new subjects

→ In our curriculum, one subject should be there as 'Piping Design'. It is very helpful in Industry.

(3) Suggestions for new topics

→ ~~There~~ 'Solidwork' - designing software should be included in IIMD lab because of user friendly environment, it is widely used in industry.

(4) Any other suggestions relevant to Syllabus

→ Hydraulic & Pneumatic subject should not be in elective subjects.

Date: 10-7-2017

N.m. Shuk
Nandish Shuk
Name and Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

date: 27/11/16

Name: Doshi Prasad.

Roll Number 15BME036

Semester: IV

Branch Mechanical.

- General comments

All analysis is done on pen & paper only, which is getting old fashioned in industries.

- Suggestions for new subjects

New computer based analysis of the same pen & paper ~~at~~ problems with latest softwares should be included ~~as early~~ in same semester if possible.

- Suggestions for new topics

- Any other suggestions relevant to Syllabus

Institute of Technology

Nirma University

Feedback about syllabus from students

Date: 2/12/16.

Name: Harsh. V. Bhangadiya

Roll Number 15BME022

Semester: 4th

Branch Mechanical Engineering.

- General comments

For the new coming students; specially Gujarati medium students; they want to study German instead of English (provided ^{if} their English is strong) than they should be given chance.

- Suggestions for new subjects

- Suggestions for new topics

- Any other suggestions relevant to Syllabus

Name: Shiyam Shukla

Roll Number: 14BME109

Semester: Seventh

Branch: Mechanical

(1) General comments

The syllabus must be designed keeping practical industrial examples in mind. so that the interest ~~should rise in topic~~ becomes interesting.

(2) Suggestions for new subjects

Complex Numbers, Probability and Statistics, (FD).

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

In sixth semester we have a subject Machine Design-1. In that subject in LPW position we are supposed to create a solid model using CAD software but (A) we are taught CAD software, in 7th semester. So we really struggled in completing that assignment.

Date: 10 July, 17

Shiyam Shukla

Name and Signature

Teacher Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Academic Peer's Feedback Form

Personal Details

Name:	Dr. D. P. Vakharia	
Designation:	Professor	
Company/Institute:	S. V. National Institute of Design	
Email:	vakharia@med.svnit.ac.in	
Phone:	9879564861	Fax:

Feedback regarding syllabus

(1) General comments

O.K.

(2) Suggestions for new subjects

Incorporation of Product Design

(3) Suggestions for new topics

- Reliability based design

(4) Any other suggestions relevant to Syllabus

of practicals can be incorporated to introduce
conceptual/creative design.

Date:

21/12/2011

Place:

Ahmedabad.

Name and Signature

[Signature]
21/12/11

Course Learning Outcome:

After successful completion of the course, student will be able to

- select the appropriate design philosophy for design of a component. .
- design various mechanical systems incorporating the effect of fatigue, creep and fracture mechanics.
- incorporate friction, wear and lubrication consideration in the design.
- design rotating disc, rotating cylinders and corrected gears.

Syllabus:

General Design Procedure: Design Philosophies, Design for X, Reliability, Concurrent Engineering, Aesthetics and Ergonomics,

Advanced Materials, Material selection.

Strain Based Approach to Fatigue. Fatigue under variable loading conditions.

Creep:-True stress and true strain, creep phenomenon, creep parameters, stress relaxation. Designing components subjected to creep.

Fracture Mechanics: Griffith theory, Concept of SIF and K_{IC} Crack Tip Plasticity. Determination of plastic zone, size and shape. Fatigue crack propagation and life estimation.

Tribology: Wear and its types. Hydrodynamic, hydrostatic and elastohydrodynamic lubrication. Porous bearings, stresses in bearing. Determination of static and dynamics load capacity of bearings. Arrangement of bearings for different load conditions.

Gear Materials, corrected gear tooth design, power rating of gears as per BIS.

Rotating Discs and Rotating Cylinder Discs with uniform thickness. Discs with uniform strength. Stresses in rotating cylinder with and without internal pressures.

Self Study:

The self study contents will be declared at the commencement of semester. Around 10% of the questions will be asked from self study contents.

Tutorial Work:

Tutorial work will be based on above syllabus with minimum 10 tutorials to be incorporated.

References:

1. Ali Fatemi & Ralph Stephens, Metal Fatigue in Engineering, Wiley.
2. Ashok Saxena, The Science and Design of Engg. Materials, McGraw Hill.
3. N. E. Dowling, Mechanical Behavior of Materials, Prentice Hall.
4. G. M. Maitra, Hand book of Gear Design, McGraw Hill.
5. P. Rudenko, Material Handling Equipment, Mir Publisher.
6. Burr & Cheatham, Mechanical Analysis & Design, Prentice Hall.

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Academic Peer's Feedback Form - Industry Expert

Personal Details

Name: RAVSHAL PATEL	
Designation: Sn. Engineer	
Company/Institute: Gujarat Gas Ltd	
Email: Ravshal.Patel nirma@gmail.com	
Phone: 7572819904	Fax:

Feedback regarding syllabus

(1) General comments

→ It's better reducing theoretical subjects, keeping more practical based & projects subjects.

(2) Suggestions for new subjects

→ Glimpse of Oil & Gas, & Gas distribution systems.

(3) Suggestions for new topics

→ Piping Design, Supervisory Control And Data Acquisition.

(4) Any other suggestions relevant to Syllabus

- N.A. -

Date: **31/2/16**
Place: **Ahmedabad**


Name and Signature

Employee Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Industry / R&D Personnel's Feedback Form

Personal Details

Name:	Ms. Nimit Desai
Designation:	Manager - Marketing
Company/Institute:	JK Lakshmi Cement Ltd
Email:	nimitdesai@jc.cement.com
Phone:	957400553
Roll No:	

Feedback regarding syllabus

(1) General comments

Overall topics covered are very good

(2) Suggestions for new subjects

(3) Suggestions for new topics

CNC may be included

(4) Any other suggestions relevant to Syllabus

Date: Ahmedabad
Place: 16/05/2012


Name and Signature
Nimit Desai

Prof. V. M. Chhajjani

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Industry / R&D Personnel's Feedback Form

Personal Details

Name:	Ms. Bhavin Dabhi
Designation:	Studio Head
Company/Institute:	Universal Design Institute Lab LLP
Email:	head@udlab.in
Phone:	99789 66679
Roll No:	

Feedback regarding syllabus

(1) General comments

Please try to introduce MathCAD software for calculation (preferably for some chapters all calculations by MathCAD only)

(2) Suggestions for new subjects

—

(3) Suggestions for new topics

—

(4) Any other suggestions relevant to Syllabus

Date: 16/05/2017
Place: Ahmedabad

Name and Signature

Bhavin Dabhi

Employee Feedback

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
Academic Peer's Feedback Form - Industry Expert

Personal Details

Name:	Rahul Jain.	
Designation:	Sr. Associate	
Company/Institute:	Axtria	
Email:	jain.rahul2903@gmail.com	
Phone:	07042319398	Fax:

Feedback regarding syllabus

(1) General comments

Overall comprehensive syllabus. With lot of subjects on different field in mechanical engineering. Gives an idea of different streams which a student can build his/her career.

(2) Suggestions for new subjects

We had just one major project with different subjects in last semester. Project can be gives more focus under guidance of industry experts.

(3) Suggestions for new topics

More elective subject with focus on new trends in industry to expose students with such topics.

(4) Any other suggestions relevant to Syllabus

Date: 30th Dec '16
Place: Ahmedabad, Block A

Rahul Jain.
Name and Signature

**All Stakeholder
Feedback Forms
(Alumni, Students,
Teachers, Employees
and Parents)**

Year: 2015-16

Student Feedback

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: RONAK M. PRAJAPATI.

Roll Number I2BME040

Semester VII

Branch- Mechanical

- (1) General comments Exclude ~~the~~ unnecessary labs & quiz work & file submissions. Provide courses on software as compulsory subject. Shrink the training period and let a student take IDP.
- (2) Suggestions for new subjects Seismic Analysis, Ergonomics, Aerospace, Optimisation in Design, Any in depth course of design in early semester. Machine tool design.
- (3) Suggestions for new topics Compressible flow, Boundary layer separation, stress Analysis, Fatigue design, Heat-exchanger design.
- (4) Any other suggestions relevant to Syllabus : Most important topics are left in the end of the semester, so they should be taught first in the sem. Innovative assignments should be such that we can merge concepts of all subjects & there should only be one innovative assignment per sem which in itself be like a minor project. Let students learn the subject rather than making them study it forcefully.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : PRASHIL VACHHANI

Roll Number 12BME064

Semester VII

Branch

(1) General comments Try to inculcate credit base system.

(2) Suggestions for new subjects
Branch elective regarding vehicle dynamic ~~should~~
can be introduced.

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

After thermodynamics in 3rd semester there was gap of a semester for thermal related subjects. If possible this gap should be avoided.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : Mitansh Patel

Roll Number : 12BME031

Semester VII

Branch Mechanical

(1) General comments

(2) Suggestions for new subjects Aerospace, Fault diagnosis of machinery,

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

- Power Plant Engineering should be divided in 2 different semesters due to large syllabus and its importance.
- with 85% attendance syllabus should be completely covered.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: APURVA TIWARI

Roll Number 12BME052

Semester VII

Branch ME

(1) General comments

Overall, I am satisfied with the learning opportunity provided at college. In the later years (3rd & 4th) the faculties are good. But, particularly the faculty appointed in the 1st year need to be thought of.

(2) Suggestions for new subjects

subjects like LEAN MANUFACTURING, ADDITIVE MANUFACTURING, AERONAUTICAL/AEROSPACE ENGG, COMPOSITES, CFD should be incorporated.

(3) Suggestions for new topics

ISO STANDARDS, SIX SIGMA, TQM, BOOTSTRAPPING, OPTICS, INDUSTRIAL PSYCHOLOGY, FEM, DYING, AUTOMATION, JET PROPULSION, DESIGN PHILOSOPHY (should be taught in 2nd year)

(4) Any other suggestions relevant to Syllabus

Instead of hard core clerical theory, the conceptual clarity should be focussed on.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: STAVAN SHELAT

Roll Number 12BME056

Semester VII

Branch MECHANICAL

(1) General comments

Extra-curricular activities should be given importance apart from daily lectures. Library time can be converted to sports period.

(2) Suggestions for new subjects

Automobile related subjects should be taught as is done in most other colleges instead of keeping two APE subjects separate.

(3) Suggestions for new topics

Design related softwares as CFD, FEA should be taught through workshops conducted by concerned faculty.

(4) Any other suggestions relevant to Syllabus

Lab sessions should be more interactive with practical work instead of a straight-on 2 hours of lecture as in APE-2 lab.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : Patel Nishu H.

Roll Number 14MMCC20

Semester 3rd

Branch mechanical ~~engg~~ (CAD/CAM)

(1) General comments : All subjects are useful as per application base.

(2) Suggestions for new subjects : space Research Related, Practical work subjects are useful in study,

(3) Suggestions for new topics : Product Planning, safety engineering.

(4) Any other suggestions relevant to Syllabus : The syllabus can be more focused on various practical knowledge using various mechanical software and learning them until advanced rather than just basics.

Date : 30/7/2015

Signature:
Nishu

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : VORA MUSTAFA M

Roll Number 12BME054

Semester VII

Branch Mechanical

(1) General comments

Application based subjects should be included in curriculum. In simple words instead of teaching derivations teach how to use that formulae in real applications.

(2) Suggestions for new subjects

(3) Suggestions for new topics

Material technology - Add study of newer materials like Ceramics, composites, FGM etc. Atleast their basic understanding should be given strength of Material - Mohr's circle, basics of FEM.

(4) Any other suggestions relevant to Syllabus

PTO

Suggestion of New topics

MP I & MP II - Add newer manufacturing processes like additive manufacturing etc.

Electrical technology - Add transformers and generators in syllabus instead of micro processor and flip flop

Elements of Machine design - Include design philosophy in the syllabus so that students get to appreciate the importance of design and don't get a misconception that designing is only about finding out dimensions.

Heat & Control Engg - Hydraulics and Pneumatic control should be taught properly

Feedback about syllabus from students

Name: JIVRAJANI CHIRAG, S.

Roll Number: 14MMEN04

Semester: 3rd

Branch: Energy System (Mechanical)

• General comments

- For energy Audit and Management more detailed study and practice work are required as it is practice subject.

• Suggestions for new subjects

- Gas dynamics, thermal insulation, Air conditioning, should be compulsory ~~one~~ as these all are related for energy audit. Suggestion.

• Suggestions for new topics

- NIL -

• Any other suggestions relevant to Syllabus

- in CFD Lab should be compulsory as software knowledge is necessary as per industrial purpose.


3/8/15

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : Parag matori

Roll Number 12BME028

Semester VII

Branch mechanical

(1) General comments

Restructuring of class Rooms in A-Block. For enhancement in studying process.

(2) Suggestions for new subjects

Introduction to Aeronautical Engineering.

(3) Suggestions for new topics

modern Day Used Engines in vehicles & cars instead of Conventional Engines.

→ carburetor topic is irrelevant now.

(4) Any other suggestions relevant to Syllabus

-

Student Feedback

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : Vandiken Mehul L.

Roll Number 14mmcc30

Semester 3rd

Branch Mechanical (CAD/CAM)

(1) General comments

⇒ All subjects are useful as per application base.

(2) Suggestions for new subjects

→ Automobile, Aerospace Engineering.
→ special courses for Robotics.

(3) Suggestions for new topics

→ Abaqus - CAE, Solidworks for modelling.
→ ADAMS. - CAE
→ Simufact → for welding.

(4) Any other suggestions relevant to Syllabus

→ Remove All ~~M~~tech syllabus. which are covered in B.Tech.

Date: 24/7/2015


Signature:

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Sahil Patel

Roll Number 12BME042

Semester 7

Branch Mechanical

(1) General comments

nil

(2) Suggestions for new subjects

→ CFD as an elective

(3) Suggestions for new topics

→ more emphasis on computational fluid dynamics in FM, FPE.


→ more emphasis on design fundamentals in 3rd and 4th semesters rather than just dimensioning.

→ more emphasis on automobile and aircraft engineering.

(4) Any other suggestions relevant to Syllabus

nil

Date: 29/7/15

Signature: 

Name: Chirag Jain

Roll Number 14MMEN03

Semester 3

Branch Mechanical (Energy Systems)

(1) General comments

① Practical case studies should be incorporated in all the subjects. ② Assignments should include the use of latest softwares as per the subjects like for eg. RET - use of solar related softwares (EQuest, Daylight Simulation, MatLab). ③ Irrelevant subjects like Cyber Security should be replaced with elective courses such as Foreign language or programming based softwares etc.

(2) Suggestions for new subjects

- ⑦ ① Including all the subjects of Energy Audit like Electrical Utilities etc.
 ② Including Practicals of CFD along with the Elective course of CFD
 ③ Cryogenic Engineering, Gas Dynamics, Energy Resources (NPTEL), Piping Engg.

(3) Suggestions for new topics

- ⑧ ① ESP - Analysis of mechanical and Electrical storage devices.
 ② Air Conditioning - Practical Problems & Case Studies
 ③ Energy Audit - In depth study of each and every component
 ④ PUSP - Load Forecasting, Scheduling, Power Purchase agreement, System Planning.
 ⑤ Communication Skills - Mock interviews, Aptitude

(4) Any other suggestions relevant to Syllabus

Instead of covering width of the topics, focus should be on going into the depths of each topic. Being a Research oriented programme, the theory and science of each topic should be included. Further, these should be realised in assignments that are practical oriented from actual case studies. These case studies can be related to designing from consultation firms or problems faced by the industries. Suggestions from industries related to energy sector should also be consulted to modify as per their requirements.

Date: 30/7/2015

Signature:

Jain

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: *Antony John*

Roll Number *14MME02*

Semester *III*

Branch *Thermal Engineering*

(1) General comments

Very good syllabus

(2) Suggestions for new subjects

*Electronics cooling
Cryogenics based power generation*

(3) Suggestions for new topics

(4) Any other suggestions relevant to Syllabus

Date: *30-7-2015*

Signature: *Antony*

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Nirmal Patel

Roll Number 14MMET20

Semester: IIIrd (2nd year)

Branch Thermal Engg. (M.Tech)

- General comments

- Lab facilities are good but require more licence version for Ansys. software.
- Try to place more students for industrial project.
-

- Suggestions for new subjects

- Include subjects related to I.C. Engines
- Include labs for programming languages like C, Mat lab, Scilab
- There should be choice for elective subjects also and provide it.

- Suggestions for new topics

- Topics related to

- Any other suggestions relevant to Syllabus

- Syllabus should not be that much lengthy to difficult to cover.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: Modi Jaydipkumar Akreshbhai

Roll Number 14MMET13

Semester: 3rd

Branch M.Tech (Thermal Engineering)

- General comments

I am comfortable with all the subject but the Refrigeration engineering subject syllabus is quite less so have to introduce with Air conditioning in the syllabus not as elective.

- Suggestions for new subjects

According to the aspect of thermal engineering, Internal combustion engine (ICE) subject should be added in the syllabus.

- Suggestions for new topics

Powerplant engineering and CFD software seminar should be introduce in the syllabus.

- Any other suggestions relevant to Syllabus

Need to conduct more laboratory time for Ansys or other analysis software by proper guide

Name: Shah Mayank J.

Roll Number 14MMET26

Semester: 3rd

Branch Thermal Eng. (Mech. Eng.)

- General comments

- Overall Experience was good.
- Teaching faculties were good.
- facilities were sufficient.

- Suggestions for new subjects

- please add C language and ~~C++~~ Ansys in place of cyber security.

- Suggestions for new topics

- Power plant related topics and I.C. Engine

- Any other suggestions relevant to Syllabus

- Viscous fluid flow was very lengthy subject kinematics and dynamics topics we already studied in B.E. so if possible edit the syllabus. kinematics and dynamics can be covered in orientation.

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : Chanpura Parthkumar Girishkhai

Roll Number 14MMET06

Semester: 3rd (M.Tech.)

Branch Thermal Engineering

- General comments

- Numericals and Practical Approach should be more in DHE, GD, CFD
- Co-ordination of CFD (Theory and Practical) should be increased
Co hesive understanding
- Proper book or well designed Curriculum for TID should be there

- Suggestions for new subjects

- Solar related top subjects, if Refri is taught in 1st Sem - I then air conditioning should not be elective in Sem - II. Both Subjects are necessary for complete understanding of RAC

- Suggestions for new topics

- Some advanced Research based topics in TID should be included and all other subjects

- Any other suggestions relevant to Syllabus

- DHE should be more concentrated towards practical approach in Curriculum, same with GD
- TID, DHE, GD, EEM, CFD Teachings were really Awesome.

Thank you

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : Rahul Rathi
Roll Number 14MMET23
Semester: 3rd
Branch Mtech (thermal)

- General comments

The course for the 2nd Sem was quite good we got the knowledge about the core subjects.

- Suggestions for new subjects

Gas dynamics, Vff, CFD.

- Suggestions for new topics

Thermal insulation design, Thermal power plant, refrigeration system.

- Any other suggestions relevant to Syllabus

In CFD more ~~more~~ practicals should be conducted so that the student can capture the good knowledge about practicals.

Rahul B
3/8/15

Institute of Technology

Nirma University

Feedback about syllabus for students

Name: Patel Vrushang Mukeshbhai

Roll Number: 14mmed14

Semester: 3rd

Branch: Mechanical (Design Engineering)

(1) General comments:

Overall subjects and topics covered is best combination possible as per latest trends and applicability in real-life application

(2) Suggestions for new subjects:

Composite materials for engineers

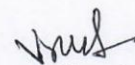
(3) Suggestions for new topics:

Rotor dynamics, Thermal Design consideration in structural elements

Automobile parts design, Advanced mechanism design (spatial mechanism synthesis)

(4) Any other suggestions relevant to syllabus:

Date: 29/07/2015


Signature

Institute of Technology

Nirma University

Feedback about syllabus from students

Name: LAV KAUSHIK

Roll Number 14MMED04

Semester III

Branch Mechanical Design Engg.

- (1) General comments Overall content of syllabus is best according to the need for Design Engg.
- (2) Suggestions for new subjects Automobile subsystems working & its designing.
- (3) Suggestions for new topics ~~III~~ ~~CAD~~ ~~subject~~ Composite Designing & Manufacturing should be in more detailed form.
- (4) Any other suggestions relevant to Syllabus More emphasis should be on assignment based work.

Date: 30/July/2015

Kaushik
Signature:

Institute of Technology

Nirma University

Feedback about syllabus from students

Name : Nitin Singh

Roll Number 14MMED08

Semester Third

Branch M-tech(Design)

(1) General comments: **The overall theory part of syllabus is good, according the requirements in the field.**

(2) Suggestions for new Subjects: **Automobile design.**

(3) Suggestions for new topics: **Product planning, safety engineering.**

(4) Any other suggestions relevant to Syllabus: **The syllabus can be more focused on various practical knowledge through using various Mechanical software and learning them until advanced level rather than just basics.**

Moreover there is no procedure to apply for any reevaluation in the SEE, this is present in every other university.

Date 27 July 2015


Signature

Institute of Technology

Nirma University

Feedback about syllabus for students

Name: Hetal Brijesh Ukani

Roll Number: 14MMED03

Semester: 3rd

Branch: Mechanical (Design Engineering)

(1) General comments:

The syllabus for 1st and 2nd Semester was quiet good and covered mainly basics of all related topics. The subjects, 'Cyber Security' and 'Communication Skills' were also very important and they should be included as credit courses so everyone become more serious about the subjects and can get the good output from the subjects.

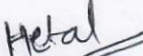
- (2) Suggestions for new subjects:** Subjects related to Design should be added more. Some real life case studies should also be added to improve practical knowledge.
Any one subject related to management or leadership.

(3) Suggestions for new topics:

Selection methods of different equipments and accessories.
Topics related to tool design and design systems.
Calculation methods for different processes.

(4) Any other suggestions relevant to syllabus:

Date: 29/07/2015


Signature

Institute of Technology

Nirma University

Feedback about syllabus for students

Name: Bhavin Rajesh Shah.

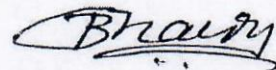
Roll Number: 14MMED17

Semester: 3rd

Branch: Mechanical (Design Engineering)

- (1) **General comments:** Syllabus, designed by ITNU, for PG level is proper. There is need for increasing practical exposure to various topics which are there in syllabus.
- (2) **Suggestions for new subjects:** Advanced Engineering Dynamics, Material Science and Metallurgy, Automated Process Planning, Product Design for manufacturing & Assembly.
- (3) **Suggestions for new topics:** Ergonomics and aesthetics considerations in design, Industrial safety design, System simulations, Industrial ethics, Communication & presentation skills.
- (4) **Any other suggestions relevant to syllabus:**
 - a) There is need to give same importance to software learning as that of theory.
 - b) If possible, arrange sufficient industrial visits as per syllabus.
 - c) Industrial ethics and communication skills are also important with the course syllabus.

Date:29/07/2015



Signature

Nirma University
Institute of Technology
Parent's Feedback Form

Parent Feedback

Personal Details

Name of Student: PARAG NIRANJAN MANTRI	
Roll No.: 12BME028	Class: B.TECH, MECHANICAL
Name of Parent: NIRANJAN J. MANTRI	
Residential Address: 11, JAY SATTADHAR CO.OP. HO. SOCIETY MR. ANNAPURNA SOCIETY, ANIL ROAD, BAPUNAGAR, AHMEDABAD - 380024	
Office Address: SOMA TEXTILES & INDS. LTD. RAKHIAL ROAD, AHMEDABAD - 380023	
Email: nmantri@somatextiles.com	
Phone: 22743285.88	Fax: 22745653

Rating Standards (Part A)

5 – Excellent 4 – Very Good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Quality of curriculum		✓			
2.	Guiding / Counseling by Faculty		✓			
3.	Attendance, Discipline and Punctuality Regulations – Information Provided	✓				
4.	Faculty & quality of teaching		✓			
5.	Adherence of the Institute to academic calendar	✓				
6.	Academic progress of your Ward		✓			
7.	Improvement in Communication and Presentation Skills of the Ward	✓				
8.	Co-curricular and Extra curricular activities – Wards participation	✓				
9.	Infrastructure facilities at Institute		✓			
10.	Your overall opinion about the Institute and the Programme			✓		

P.T.O.

Part B (Applies to those parents who have background of engineering)

Please go through the syllabus provided and submit your feedback in the following format.

(1) General comments

A Heavy SYLLABUS. NEEDS TO BE MODERNIZED.

(2) Suggestions for new subjects

→ MAKE IT COMPULSORY TO LEARN 1 FOREIGN LANGUAGE.
→ SUBJECTS RELATED TO INDIAN NAVY, AEROSPACE, ISRO, POLICE INTELLIGENCE AGENCIES.

(3) Suggestions for new topics

-

(4) Any other suggestions relevant to Syllabus

-

Date: 29.07.2015
Place: Ahmedabad

Niranjan Mantri
(NIRANJAN MANTRI)
Name & Signature

Nirma University
Institute of Technology
Parent's Feedback Form

Personal Details

Name of Student: Patel Neel Jayantibhai	
Roll No.: 13BME160	Class: B.Tech Mech (7 th sem)
Name of Parent: Patel Jayantibhai Gopalbhai	
Residential Address: 67, Prerna Park Soc, Canal Rd, Maninagar (East), And - 380008.	
Office Address: (same as Residential Address)	
Email: mr.jgpate@gmail.com	
Phone: 9825293276	Fax:

Rating Standards (Part A)

5 – Excellent 4 – Very Good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Quality of curriculum		✓			
2.	Guiding / Counseling by Faculty	✓				
3.	Attendance, Discipline and Punctuality Regulations – Information Provided		✓			
4.	Faculty & quality of teaching	✓				
5.	Adherence of the Institute to academic calendar	✓				
6.	Academic progress of your Ward		✓			
7.	Improvement in Communication and Presentation Skills of the Ward	✓				
8.	Co-curricular and Extra curricular activities – Wards participation			✓		
9.	Infrastructure facilities at Institute		✓			
10.	Your overall opinion about the Institute and the Programme		✓			

P.T.O.

Nirma University
Institute of Technology
Parent's Feedback Form

Personal Details

Name of Student: NADAPARA SETU DINESHBHAI	
Roll No.: 13BME156	Class: B.TECH MECH 7 SEM
Name of Parent: NADAPARA DINESHBHAI DHIRAJLAL	
Residential Address: 502, "MAHARSHI TOWER", JALARAM-2 SOCIETY, OPP SBS BANK, UNIVERSITY ROAD, RAJKOT	
Office Address: D. JAYANTILAL & CO., BUSINESS CENTRE, BELOW DEKIVADIYA HOSPITAL, CANAL ROAD, BEHIND BUS STAND, RAJKOT - 360001	
Email: dimesh_nadapara@yahoo.com	
Phone: 9879975711	Fax: —

Rating Standards (Part A)

5 – Excellent 4 – Very Good 3 – Good 2 – Average 1 – Below Average

No.	Aspect	5	4	3	2	1
1.	Quality of curriculum		✓			
2.	Guiding / Counseling by Faculty			✓		
3.	Attendance, Discipline and Punctuality Regulations – Information Provided	✓				
4.	Faculty & quality of teaching		✓			
5.	Adherence of the Institute to academic calendar		✓			
6.	Academic progress of your Ward			✓		
7.	Improvement in Communication and Presentation Skills of the Ward		✓			
8.	Co-curricular and Extra curricular activities – Wards participation			✓		
9.	Infrastructure facilities at Institute			✓		
10.	Your overall opinion about the Institute and the Programme		✓			

P.T.O.

Part B (Applies to those parents who have background of engineering)

Please go through the syllabus provided and submit your feedback in the following format.

(1) General comments Syllabus is good but still need to improve specially for the options available in elective subject and also needs to be offered from 3rd sem itself & it should be compulsory.

(2) Suggestions for new subjects

Management related Subject should be introduced more.

(3) Suggestions for new topics

Recent trends, new innovations, technology and E. labs, virtual-labs, Library can be introduced in each subjects.

(4) Any other suggestions relevant to Syllabus

Satisfied with syllabus.

Date: 03-08-15

Place: Rajkot.

Dinesh Nadapara
Name & Signature