

ATMIYA UNIVERSITY, RAJKOT

Board of Studies – Dept: Mechanical Engineering

Date: 27.04.2019

Time: 10:15 am

Venue: Makers Space Room
Learning Center – AITS Building

Minutes of Meeting

BoS Members:

Sr. No.	Name	Membership	Present/Absent
1.	Dr. Prasad S. Puranik	Chairperson	Present
2.	Dr. Mangal G. Bhatt	Member - Academic	Leave of Absence
3.	Dr. Ratneshchandra K. Shukla	Member - Academic	Present
4.	Dr. Ashvin J. Makadia	Member - Academic	Present
5.	Mr. Deepak V. Suchde	Member - Industry	Present
6.	Mr. Yuvrajsinh Jadeja	Member - Industry	Present
7.	Mr. Dhaval Ashra	Member - Alumini	Leave of Absence
8.	Dr. Ghanshyam D. Acharya	Member - Academic	Present
9.	Mr. Manhar S. Kagthara	Member	Present
10.	Mr. Manojkumar V. Sheladiya	Member	Present
11.	Mr. Keyur V. Parmar	Member	Present
12.	Mr. Shivang S. Jani	Member	Present

AGENDA:

Resolutions are required from all the Boards of Studies on the following:

1. Regulations for
 - a) Doctoral Programmes
2. Scheme of Instruction and Examination for **all semesters**
 - a) Doctoral Programmes



3. Scheme of Instruction and Examination & Syllabi for **all semesters**
 - a) UG Programmes (3rd – 8th semesters)
 - b) PG Programmes (3rd – 4th semesters)
 - c) Doctoral Programmes
4. The syllabi for Co Curricular Courses (CoC)
5. The syllabi for Generic Electives
6. List of Paper Setters and Examiners
7. List of New Courses introduced
8. Any Other

Minutes of Meeting

The BoS in **Mechanical Engineering** met as indicated above, and discussed on the above Agenda.

Sharing the expertise of all the members and with very proactive inputs, the members **unanimously** resolved the following for students admitted from **AY 2018-2019& onwards:**

1. The Regulations **framed** for the below stated programmes **be approved.**
 - a. PhD – Mechanical Engineering (**Enclosure - ID**)
2. The scheme of Instruction & Examinations **framed** for all semesters of the below stated Programmes **be approved.**
 - a. PhD – Mechanical Engineering (**Enclosure - IID**)
3. The Syllabi **framed** for the courses of the **all semesters** of the below stated programmes **be approved.**
 - a. B. Tech. – Mechanical Engineering (3rd – 8th semesters) (**Enclosure-III A**)
 - b. M. Tech. – Mechanical Engineering (CAD/ CAM) (3rd – 4th semesters) (**Enclosure-III B**)
 - c. M. Tech. – Mechanical Engineering (Production Engineering) (3rd – 4th semesters) (**Enclosure-III C**)
 - d. PhD – Mechanical Engineering (**Enclosure - III D**)
4. The syllabi framed for the below stated Co-Curricular Course of 3rd to 4th semester be approved as indicated. (Enclosure-VIA)



A. UG Programmes

Sr. No.	Course	Total Hrs	Credit	Offered to	Sem.
a.	3D Printing Technology	80	1	All the branches in Atmiya University except Mechanical Engineering	III & IV

5. The syllabi framed for the below stated **Generic Elective Course of 5th & 6th semester in UG & 3rd semester in PG be approved** as indicated. (Enclosure-VII A)

A. UG Programmes

Sr. No.	Course	Hrs/ Week	Credit	Offered to	Sem.
a.	Generic Elective - I	2	1	All the branches in Atmiya University except Mechanical Engineering	V
b.	Generic Elective - II	2	1	All the branches in Atmiya University except Mechanical Engineering	VI

B. PG Programmes (CAD/CAM) (Enclosure-VII B)

Sr. No.	Course	Hrs/ Week	Credit	Offered to	Sem.
a.	Generic Elective - I	2	1	All the branches in Atmiya University except Mechanical Engineering	III




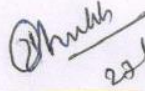

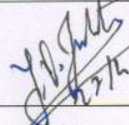
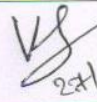

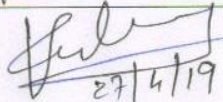
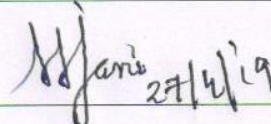
C. PG Programmes (Production) (Enclosure-VII C)

Sr. No.	Course	Hrs/ Week	Credit	Offered to	Sem.
a.	Generic Elective - I	2	1	All the branches in Atmiya University except Mechanical Engineering	III

6. The members **unanimously resolved** to **authorize** the Chairperson of the BoS to finalize on the following:
- a. B.Tech - List of paper setters and examiners for courses **of all semesters (Enclosure-VIII A)**
 - b. M.Tech- (CAD/CAM) - List of paper setters and examiners for courses **of all semesters (Enclosure-VIII B)**
 - c. M.Tech- (Production) - List of paper setters and examiners for courses **of all semesters (Enclosure-VIII C)**
 - d. PhD - List of paper setters and examiners for courses **of all semesters (Enclosure-VIII D)**
7. **Total New Courses** framed vide above agenda points are **96. (Enclosure IX)**



Attendance

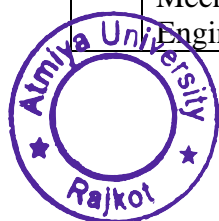
Sr. No.	Name of Member	Signature with Date
1.	Dr. Prasad S. Puranik	
2.	Dr. Mangal G. Bhatt	Leave of Absence
3.	Dr. Ratneshchandra K. Shukla	 27/4/19
4.	Dr. Ashvin J. Makadia	 27/4/2019.
5.	Mr. Deepak V. Suchde	Deepak V Suchde 27/4/19
6.	Mr. Yuvrajsinh Jadeja	 27/4/19
7.	Mr. Dhaval Ashra	Leave of Absence
8.	Dr. Ghanshyam D. Acharya	Ghanshyam 27/04/19
9.	Mr. Manhar S. Kagthara	 27/4/19
10.	Mr. ManojKumar V. Sheladiya	 27-4-19
11.	Mr. Keyur V. Parmar	 27/4/19
12.	Mr. Shivang S. Jani	 27/4/19



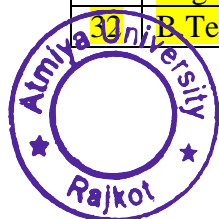
Registrar
Atmiya University
Rajkot

List of New Courses framed

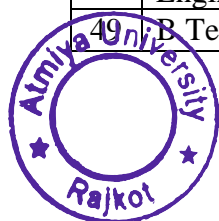
Sr.	Program Name	Course Name	Course Code	Year of Introduction
1	B.Tech. Mechanical Engineering	Core 21: Operation Research	18BTMECC701	2021-2022
2	B.Tech. Mechanical Engineering	Core 22: Computer Aided Manufacturing	18BTMECC706	2021-2022
3	B.Tech. Mechanical Engineering	Core 23: Refrigeration & Air Conditioning	18BTMECC707	2021-2022
4	B.Tech. Mechanical Engineering	Core Practical 18: Operation Research	18BTMECC703	2021-2022
5	B.Tech. Mechanical Engineering	Core Practical 19: Computer Aided Manufacturing	18BTMECC708	2021-2022
6	B.Tech. Mechanical Engineering	Core Practical 20: Refrigeration & Air Conditioning	18BTMECC709	2021-2022
7	B.Tech. Mechanical Engineering	Core Practical 21: Major Project -I	18BTMECC705	2021-2022
8	B.Tech. Mechanical Engineering	Core 21: Computer Aided Design	18BTMECC702	2021-2022
9	B.Tech. Mechanical Engineering	DSE-Core 3: Power Plant Engineering	18BTMEDC701	2021-2022
10	B.Tech. Mechanical Engineering	DSE-Core 3: Finite Element Analysis	18BTMEDC702	2021-2022
11	B.Tech. Mechanical Engineering	Core Practical 18: Computer Aided Design	18BTMECC704	2021-2022
12	B.Tech. Mechanical Engineering	DSE-Core Practical 3: Power Plant Engineering	18BTMEDC703	2021-2022
13	B.Tech. Mechanical Engineering	DSE-Core Practical 3: Finite Element Analysis	18BTMEDC704	2021-2022
14	B.Tech. Mechanical Engineering	DSE-Core 4: Automobile Engineering	18BTMEDC801	2021-2022
15	B.Tech. Mechanical Engineering	DSE-Core 4: Industry 5.0	18BTMEDC802	2021-2022



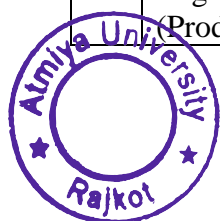
Sr.	Program Name	Course Name	Course Code	Year of Introduction
16	B.Tech. Mechanical Engineering	Core Practical 20: Computer Aided Manufacturing	18BTMECC803	2021-2022
17	B.Tech. Mechanical Engineering	Core Practical 21: Refrigeration & Air Conditioning	18BTMECC804	2021-2022
18	B.Tech. Mechanical Engineering	Core Practical 22: Major Project -II	18BTMECC805	2021-2022
19	B.Tech. Mechanical Engineering	DSE-Core Practical 4: Automobile Engineering	18BTMEDC803	2021-2022
20	B.Tech. Mechanical Engineering	DSE-Core Practical 4: Industry 5.0	18BTMEDC804	2021-2022
21	B.Tech. Mechanical Engineering	Core 12: Dynamics of Machines	18BTMECC501	2020-2021
22	B.Tech. Mechanical Engineering	Core Practical 11: Dynamics of Machines	18BTMECC506	2020-2021
23	B.Tech. Mechanical Engineering	Core 13: Manufacturing Process - II	18BTMECC502	2020-2021
24	B.Tech. Mechanical Engineering	Core 14: Fluid Power Engineering	18BTMECC503	2020-2021
25	B.Tech. Mechanical Engineering	Core 15: Statistical Quality Control (Self Study)	18BTMECC504	2020-2021
26	B.Tech. Mechanical Engineering	Core 16: Computer Based Test	18BTMECC505	2020-2021
27	B.Tech. Mechanical Engineering	DSE-Core 1: Internal Combustion Engine	18BTMEDC501	2020-2021
28	B.Tech. Mechanical Engineering	DSE-Core 1: Industrial Engineering	18BTMEDC502	2020-2021
29	B.Tech. Mechanical Engineering	Core Practical 12: Manufacturing Process -II	18BTMECC507	2020-2021
30	B.Tech. Mechanical Engineering	Core Practical 13: Fluid Power Engineering	18BTMECC508	2020-2021
31	B.Tech. Mechanical Engineering	Core Practical 14: Project Minor -I	18BTMECC509	2020-2021
32	B.Tech.	DSE-Core Practical 1: Internal	18BTMEDC503	2020-2021



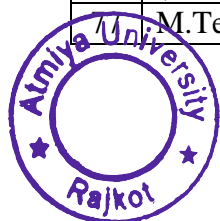
Sr.	Program Name	Course Name	Course Code	Year of Introduction
	Mechanical Engineering	Combustion Engine		
33	B.Tech. Mechanical Engineering	DSE-Core Practical 1: Industrial Engineering	18BTMEDC504	2020-2021
34	B.Tech. Mechanical Engineering	Core 20: Computer Aided Design	18BTMECC606	2020-2021
35	B.Tech. Mechanical Engineering	Core Practical 17: Computer Aided Design	18BTMECC607	2020-2021
36	B.Tech. Mechanical Engineering	Core 17: Concept of Industry 4.0	18BTMECC601	2020-2021
37	B.Tech. Mechanical Engineering	Core 18: Design of Machine Elements	18BTMECC602	2020-2021
38	B.Tech. Mechanical Engineering	Core 19: Heat Transfer	18BTMECC603	2020-2021
39	B.Tech. Mechanical Engineering	DSE-Core 2: Renewable Energy Sources	18BTMEDC601	2020-2021
40	B.Tech. Mechanical Engineering	DSE-Core 2: Production Technology	18BTMEDC602	2020-2021
41	B.Tech. Mechanical Engineering	DSE-Allied 4: Economics & Business Management	18BTMEDA601	2020-2021
42	B.Tech. Mechanical Engineering	Core Practical 15: Heat Transfer	18BTMECC604	2020-2021
43	B.Tech. Mechanical Engineering	Core Practical 16: Project Minor -II	18BTMECC605	2020-2021
44	B.Tech. Mechanical Engineering	DSE-Core Practical 2: Renewable Energy Sources	18BTMEDC603	2020-2021
45	B.Tech. Mechanical Engineering	DSE-Core Practical 2: Production Technology	18BTMEDC604	2020-2021
46	All UG Programs	GE 1: Total Quality Management	18BTMEGE501	2020-2021
47	All UG Programs	GE 2: Plant Maintenance and Safety	18BTMEGE601	2020-2021
48	B.Tech. Mechanical Engineering	Core 4: Material Engineering	18BTMECC301	2019-2020
	B.Tech.	Core 5: Manufacturing Process -I	18BTMECC302	2019-2020



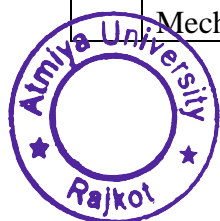
Sr.	Program Name	Course Name	Course Code	Year of Introduction
	Mechanical Engineering			
50	B.Tech. Mechanical Engineering	Core 6: Strength of Material	18BTMECC303	2019-2020
51	B.Tech. Mechanical Engineering	Core 7: Engineering Thermodynamics	18BTMECC304	2019-2020
52	B.Tech. Mechanical Engineering	Core Practical 5: Material Engineering Practical	18BTMECC305	2019-2020
53	B.Tech. Mechanical Engineering	Core Practical 6: Manufacturing Process -I Practical	18BTMECC306	2019-2020
54	B.Tech. Mechanical Engineering	Core Practical 7: Strength of Material Practical	18BTMECC307	2019-2020
55	B.Tech. Mechanical Engineering	Complex Analysis for Mechanical Engineering	18SAHMT404	2019-2020
56	B.Tech. Mechanical Engineering	Core 8: Metrology & Geometric Dimensioning & Tolerances	18BTMECC401	2019-2020
57	B.Tech. Mechanical Engineering	Core 9: Fluid Mechanics	18BTMECC402	2019-2020
58	B.Tech. Mechanical Engineering	Core 10: Machine Design & Industrial Drafting	18BTMECC403	2019-2020
59	B.Tech. Mechanical Engineering	Core 11: Theory of Machines	18BTMECC404	2019-2020
60	B.Tech. Mechanical Engineering	Core Practical 8: Metrology Geometric Dimensioning & Tolerances	18BTMECC405	2019-2020
61	B.Tech. Mechanical Engineering	Core Practical 9: Fluid Mechanics	18BTMECC406	2019-2020
62	B.Tech. Mechanical Engineering	Core Practical 10: Theory of Machines	18BTMECC407	2019-2020
63	M.Tech. Mechanical Engineering (Production)	Core 7: Concept of Industry 4.0	18MMEPCC301	2019-2020
64	M.Tech. Mechanical Engineering (Production)	Core 8: Sustainability through Green Manufacturing System (Self Study)	18MMEPCC302	2019-2020



Sr.	Program Name	Course Name	Course Code	Year of Introduction
65	M.Tech. Mechanical Engineering (Production)	DSE-Core 1: Design of Experiments	18MMEPDC301	2019-2020
66	M.Tech. Mechanical Engineering (Production)	DSE-Core 1: Finite Element Analysis	18MMEPDC302	2019-2020
67	M.Tech. Mechanical Engineering (Production)	Core Practical 6: Concept of Industry 4.0 Practical	18MMEPCC303	2019-2020
68	M.Tech. Mechanical Engineering (Production)	Core Practical 7: Seminar -I	18MMEPCC304	2019-2020
69	M.Tech. Mechanical Engineering (Production)	Core Practical 8: Dissertation Phase-I	18MMEPCC305	2019-2020
70	M.Tech. Mechanical Engineering (Production)	DSE-Core 2: Non Destructive Examination	18MMEPDC401	2019-2020
71	M.Tech. Mechanical Engineering (Production)	DSE-Core 2: Process Equipment Design	18MMEPDC402	2019-2020
72	M.Tech. Mechanical Engineering (Production)	Core Practical 9: Mid Semester Dissertation	18MMEPCC401	2019-2020
73	M.Tech. Mechanical Engineering (Production)	Core Practical 10: Seminar -II	18MMEPCC402	2019-2020
74	M.Tech. Mechanical Engineering (Production)	Core Practical 11: Dissertation Phase -II	18MMEPCC403	2019-2020
75	M.Tech. Mechanical Engineering (Production)	DSE-Core Practical 2: Non Destructive Examination Practical	18MMEPDC403	2019-2020
76	M.Tech. Mechanical Engineering (Production)	DSE-Core Practical 2: Process Equipment Design Practical	18MMEPDC404	2019-2020
	M.Tech.	CEC 1: Online / Professional	18MMEPCE01	2019-2020



Sr.	Program Name	Course Name	Course Code	Year of Introduction
	Mechanical Engineering (Production)	Certification Courses / Short Term Course		
78	M.Tech. Mechanical Engineering (Production)	CEC 2: Online / Professional Certification Courses / Short Term Course	18MMEPCE02	2019-2020
79	M. Tech. Mechanical Engineering (CAD/CAM)	Core 7: Non Destructive Examination	18MMECC301	2019-2020
80	M. Tech. Mechanical Engineering (CAD/CAM)	Core 8: Flexible Manufacturing Systems (Self Study)	18MMECC302	2019-2020
81	M. Tech. Mechanical Engineering (CAD/CAM)	DSE-Core 1: Product Design and Life Cycle Management	18MMECDC301	2019-2020
82	M. Tech. Mechanical Engineering (CAD/CAM)	DSE-Core 1: Design for Manufacture & Assembly	18MMECDC302	2019-2020
83	M. Tech. Mechanical Engineering (CAD/CAM)	Core Practical 6: Non Destructive Examination	18MMECC303	2019-2020
84	M. Tech. Mechanical Engineering (CAD/CAM)	Core Practical 7: Seminar -I	18MMECC304	2019-2020
85	M. Tech. Mechanical Engineering (CAD/CAM)	Practical Core 8: Dissertation Phase -I	18MMECC305	2019-2020
86	M. Tech. Mechanical Engineering (CAD/CAM)	DSE-Core 2: Concept of Industry 4.0	18MMECDC401	2019-2020
87	M. Tech. Mechanical Engineering (CAD/CAM)	DSE-Core 2: Design of Material Handling Equipment	18MMECDC402	2019-2020
88	M. Tech. Mechanical Engineering (CAD/CAM)	Core Practical 9: Mid Semester Dissertation	18MMECC401	2019-2020
89	M. Tech. Mechanical	Core Practical 10: Seminar -II	18MMECC402	2019-2020



Sr.	Program Name	Course Name	Course Code	Year of Introduction
	Engineering (CAD/CAM)			
90	M. Tech. Mechanical Engineering (CAD/CAM)	Core Practical 11: Dissertation Phase II	18MMECCC403	2019-2020
91	M. Tech. Mechanical Engineering (CAD/CAM)	DSE-Core Practical 1: Concept of Industry 4.0	18MMECDC403	2019-2020
92	M. Tech. Mechanical Engineering (CAD/CAM)	DSE-Core Practical 1: Design of Material Handling Equipment	18MMECDC404	2019-2020
93	M. Tech. Mechanical Engineering (CAD/CAM)	CEC 1: Online / Professional Certification Courses / Short Term Course	18MMECCE01	2019-2020
94	M. Tech. Mechanical Engineering (CAD/CAM)	CEC 2: Online / Professional Certification Courses / Short Term Course	18MMECCE02	2019-2020
95	All UG Programs	SEG-II: CoC -3D Printing Technology	18AECO005	2019-2020
96	All PG Programs	GE 1: Plant Maintenance and Safety	18MMEPGE301	2019-2020



Registrar
Atmiya University
Rajkot