

ATMIYA UNIVERSITY, RAJKOT
Board of Studies
Faculty of Engineering & Technology
Department of Electrical Engineering

Date: 27.04.2019

Time: 10:15 AM

Venue: Ground Floor Faculty Library and Learning Center-AITS Building

Minutes of Meeting

BoS Members:

| Sr. No. | Name | Membership | Present/Absent |
|---------|------------------------|--------------------|----------------|
| 1. | Dr. Dharmesh J. Pandya | Chairperson | Present |
| 2. | Dr. Kalpesh K. Dudani | Member – Academics | Present |
| 3. | Vinod J. Rupapara | Member – Academics | Present |
| 4. | Amit D. Ved | Member – Academics | Present |
| 5. | Nirav M. Madhvani | Member – Industry | Present |
| 6. | Bhargav P. Vasani | Member – Industry | Present |
| 7. | Nidhi Y. Savjani | Member – Alumni | Present |
| 8. | Monika D. Patel | Member | Present |
| 9. | Pratik J. Munjani | Member | Present |
| 10. | Narendrasinh C. Rana | Member | Present |
| 11. | Dhaval A. Vora | 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 Examinations for **all semesters**
 - a) Doctoral Programmes
3. Syllabi for **core** courses for all Semester (Except 1 & 2 Semester)
 - a) UG Programmes
 - b) PG Programmes
 - 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 framed
8. Any Other

Minutes of Meeting

The BoS in Electrical 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 – Electrical Engineering (**Enclosure - IC**)
2. The scheme of Instruction & Examinations **framed** for all semesters of the below stated Programmes **be approved.**
 - a. PhD – Electrical Engineering (**Enclosure - IIC**)
3. The syllabi **framed** for the courses for the (**III – VIII Sem in B.Tech., III & IV Sem in M.Tech.**) of the below stated programmes **be approved.**
 - a. B.Tech. – Electrical Engineering (**Enclosure - IIIA**)
 - b. M.Tech. – Electrical Engineering (PEED) (**Enclosure -IIIB**)
 - c. PhD – Electrical Engineering (**Enclosure - IIIC**)
4. The syllabi **framed** for the below stated **Co-Curricular Course of 3rd to 4th semester** **be approved** as indicated.



A. UG Programmes

| Sr. No. | Course | Total Hrs | Credit | Offered to | Sem. |
|---------|-------------------------------|-----------|--------|---|-------|
| a. | Renewable Energy Sources (TH) | 80 | 1 | All the branches in Atmiya University except Electrical Engineering | 3 & 4 |

(Enclosure-VIA)

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.

A. UG Programmes

| Sr. No. | Course | Hrs/Week | Credit | Offered to | Sem. |
|---------|------------------------------|----------|--------|---|------|
| a. | Basic Electrical Engineering | 2 | 1 | All the branches in Atmiya University except Electrical Engineering | 5 |
| b. | Green Energy | 2 | 1 | All the branches in Atmiya University except Electrical Engineering | 6 |

(Enclosure-VIIA)

B. PG Programmes

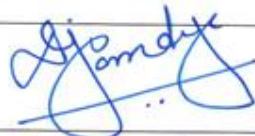



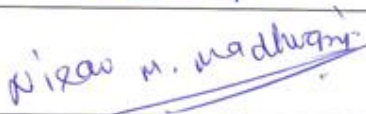
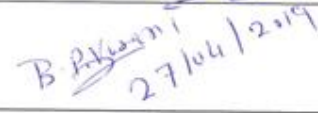
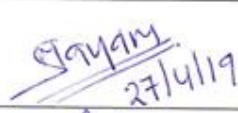


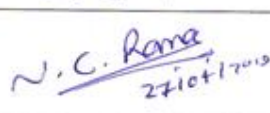
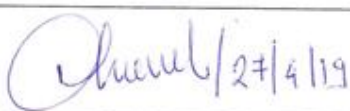
| Sr. No. | Course | Hrs/Week | Credit | Offered to | Sem. |
|---------|---------------------|----------|--------|---|------|
| a. | Energy Conservation | 2 | 1 | All the branches in Atmiya University except Electrical Engineering | 3 |

(Enclosure-VIIB)

6. The members **unanimously resolved to authorize** the Chairperson of the BoS to finalize on the following:
- B.Tech - List of paper setters and examiners for courses **of all semesters**
(Enclosure-VIII A)
 - M.Tech - List of paper setters and examiners for courses **of all semesters**
(Enclosure-VIII B)
 - PhD - List of paper setters and examiners for courses **of all semesters**
(Enclosure-VIII C)
7. **Total New Courses** framed vide above agenda points are **80. (Enclosure IX)**



Attendance

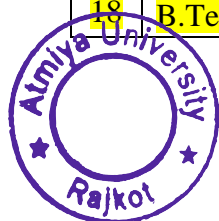
| Sr. No. | Name of Member | Signature with Date |
|---------|------------------------|---|
| 1. | Dr. Dharmesh J. Pandya |  27/04/19 |
| 2. | Dr. Kalpesh K. Dudani |  |
| 3. | Vinod J. Rupapara |  27/4/19 |
| 4. | Amit D. Ved |  |
| 5. | Nirav M. Madhvani |  Nirav M. Madhvani |
| 6. | Bhargav P. Vasani |  B. Vasani 27/04/2019 |
| 7. | Nidhi Y. Savjani |  27/4/19 |
| 8. | Monika D. Patel |  |
| 9. | Pratik J. Munjani |  27/4/19 |
| 10. | Narendrasinh C. Rana |  N.C. Rana 27/04/2019 |
| 11. | Dhaval A. Vora |  27/4/19 |



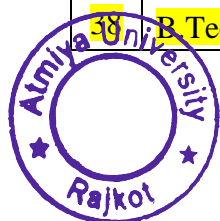
Registrar
Atmiya University
Rajkot

List of New Courses framed

| Sr. | Program Name | Course Name | Course Code | Year of Introduction |
|-----|--------------------------------|---|-------------|----------------------|
| 1 | B.Tech. Electrical Engineering | Core 18: High Voltage Engineering | 18BTEECC701 | 2021-2022 |
| 2 | B.Tech. Electrical Engineering | Core 19: Electrical Machine Design -II | 18BTEECC702 | 2021-2022 |
| 3 | B.Tech. Electrical Engineering | Core 20: Inter Connected Power System | 18BTEECC703 | 2021-2022 |
| 4 | B.Tech. Electrical Engineering | Core 21: Electromagnetic Theory | 18BTEECC704 | 2021-2022 |
| 5 | B.Tech. Electrical Engineering | DSE-Core 3: Hybrid Electric Vehicles | 18BTEEDC701 | 2021-2022 |
| 6 | B.Tech. Electrical Engineering | DSE-Core 3: Application of Power Electronics in Renewable Energy System | 18BTEEDC702 | 2021-2022 |
| 7 | B.Tech. Electrical Engineering | DSE-Core 3: Electrical Drives | 18BTEEDC703 | 2021-2022 |
| 8 | B.Tech. Electrical Engineering | Core Practical 14: High Voltage Engineering | 18BTEECC705 | 2021-2022 |
| 9 | B.Tech. Electrical Engineering | DSE-Core Practical 3: Hybrid Electric Vehicles | 18BTEEDC704 | 2021-2022 |
| 10 | B.Tech. Electrical Engineering | DSE-Core Practical 3: Application of Power Electronics in Renewable Energy System | 18BTEEDC705 | 2021-2022 |
| 11 | B.Tech. Electrical Engineering | DSE-Core Practical 3: Electrical Drives | 18BTEEDC706 | 2021-2022 |
| 12 | B.Tech. Electrical Engineering | Core 22: Commissioning of Electrical Equipments | 18BTEECC801 | 2021-2022 |
| 13 | B.Tech. Electrical Engineering | Core 23: Power System Protection & Planning | 18BTEECC802 | 2021-2022 |
| 14 | B.Tech. Electrical Engineering | Core 24: Power System Operation & Control | 18BTEECC803 | 2021-2022 |
| 15 | B.Tech. Electrical Engineering | Core Practical 15: Commissioning of Electrical Equipments | 18BTEECC804 | 2021-2022 |
| 16 | B.Tech. Electrical Engineering | Core 10: Power Electronics -I | 18BTEECC501 | 2020-2021 |
| 17 | B.Tech. Electrical Engineering | Core 11: Elements of Electrical Design | 18BTEECC502 | 2020-2021 |
| 18 | B.Tech. Electrical Engineering | Core 12: Electrical Power System | 18BTEECC503 | 2020-2021 |



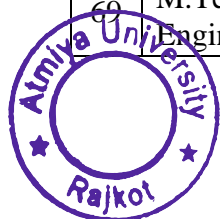
| Sr. | Program Name | Course Name | Course Code | Year of Introduction |
|-----|--------------------------------|---|-------------|----------------------|
| | Engineering | -I | | |
| 19 | B.Tech. Electrical Engineering | Core 13: Utilization of Electrical Energy & Traction (Self Study) | 18BTEECC504 | 2020-2021 |
| 20 | B.Tech. Electrical Engineering | Core 14: Computer Based Test | 18BTEECC505 | 2020-2021 |
| 21 | B.Tech. Electrical Engineering | DSE-Core 1: Power Quality | 18BTEEDC501 | 2020-2021 |
| 22 | B.Tech. Electrical Engineering | DSE-Core 1: Modern Control System | 18BTEEDC502 | 2020-2021 |
| 23 | B.Tech. Electrical Engineering | DSE-Core 1: Energy Conservation & Audit | 18BTEEDC503 | 2020-2021 |
| 24 | B.Tech. Electrical Engineering | Core Practical 9: Power Electronics -I | 18BTEECC506 | 2020-2021 |
| 25 | B.Tech. Electrical Engineering | Core Practical 10: Internet of Things Lab | 18BTEECC507 | 2020-2021 |
| 26 | B.Tech. Electrical Engineering | DSE-Core Practical 1: Power Quality | 18BTEEDC504 | 2020-2021 |
| 27 | B.Tech. Electrical Engineering | DSE-Core Practical 1: Modern Control System | 18BTEEDC505 | 2020-2021 |
| 28 | B.Tech. Electrical Engineering | DSE-Core Practical 1: Energy Conservation & Audit | 18BTEEDC506 | 2020-2021 |
| 29 | B.Tech. Electrical Engineering | Mini Project/ Industrial Training/ Internship | 18BTEECC508 | 2020-2021 |
| 30 | B.Tech. Electrical Engineering | Core 15: Power Electronics -II | 18BTEECC601 | 2020-2021 |
| 31 | B.Tech. Electrical Engineering | Core 16: Electrical Machine Design -I | 18BTEECC602 | 2020-2021 |
| 32 | B.Tech. Electrical Engineering | Core 17: Electrical Power System -II | 18BTEECC603 | 2020-2021 |
| 33 | B.Tech. Electrical Engineering | DSE-Core 2: Advance Electrical Machines | 18BTEEDC601 | 2020-2021 |
| 34 | B.Tech. Electrical Engineering | DSE-Core 2: Modern Power Transmission System | 18BTEEDC602 | 2020-2021 |
| 35 | B.Tech. Electrical Engineering | DSE-Core 2: Advanced Microcontrollers | 18BTEEDC603 | 2020-2021 |
| 36 | B.Tech. Electrical Engineering | DSE-Allied 6: Economics & Business Management | 18BTEEDA601 | 2020-2021 |
| 37 | B.Tech. Electrical Engineering | Core Practical 11: Power Electronics -II | 18BTEECC604 | 2020-2021 |
| 38 | B.Tech. Electrical Engineering | Core Practical 12: Microcontroller | 18BTEECC605 | 2020-2021 |



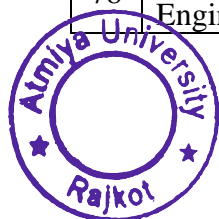
| Sr. | Program Name | Course Name | Course Code | Year of Introduction |
|-----|--------------------------------|--|-------------|----------------------|
| | Engineering | Programming & Interfacing | | |
| 39 | B.Tech. Electrical Engineering | Core Practical 13: Electrical Power System -II | 18BTEECC606 | 2020-2021 |
| 40 | B.Tech. Electrical Engineering | DSE-Core Practical 2: Advance Electrical Machines | 18BTEEDC604 | 2020-2021 |
| 41 | B.Tech. Electrical Engineering | DSE-Core Practical 2: Modern Power Transmission System | 18BTEEDC605 | 2020-2021 |
| 42 | B.Tech. Electrical Engineering | DSE-Core Practical 2: Advanced Microcontrollers | 18BTEEDC606 | 2020-2021 |
| 43 | B.Tech. Electrical Engineering | Mini Project/ Industrial Training/ Internship | 18BTEECC607 | 2020-2021 |
| 44 | All UG Programs | GE 1: Basic of Electrical Engineering | 18BTEEGE501 | 2020-2021 |
| 45 | All UG Programs | GE 2: Energy Conservation | 18BTEEGE601 | 2020-2021 |
| 46 | B.Tech. Electrical Engineering | Core 2: Circuits and Networks | 18BTEECC301 | 2019-2020 |
| 47 | B.Tech. Electrical Engineering | Core 3: DC Machine & Transformer | 18BTEECC302 | 2019-2020 |
| 48 | B.Tech. Electrical Engineering | Core 4: Digital Electronics & Microprocessor | 18BTEECC303 | 2019-2020 |
| 49 | B.Tech. Electrical Engineering | Core 5: Electrical Power Generation | 18BTEECC304 | 2019-2020 |
| 50 | B.Tech. Electrical Engineering | Core Practical 2: Circuits and Networks Practical | 18BTEECC305 | 2019-2020 |
| 51 | B.Tech. Electrical Engineering | Core Practical 3: DC Machine & Transformer Practical | 18BTEECC306 | 2019-2020 |
| 52 | B.Tech. Electrical Engineering | Core Practical 4: Digital Electronics & Microprocessor Practical | 18BTEECC307 | 2019-2020 |
| 53 | B.Tech. Electrical Engineering | DSE-Allied Practical 9: PCB Design & Development Part-II Practical | 18BTEEDA301 | 2019-2020 |
| 54 | B.Tech. Electrical Engineering | Advanced Engineering Mathematics for Electrical Engineering | 18SAHMT402 | 2019-2020 |
| 55 | B.Tech. Electrical Engineering | Core 6: Rotating AC Machines | 18BTEECC401 | 2019-2020 |
| 56 | B.Tech. Electrical Engineering | Core 7: Analog Electronics | 18BTEECC402 | 2019-2020 |
| 57 | B.Tech. Electrical Engineering | Core 8: Control System | 18BTEECC403 | 2019-2020 |



| Sr. | Program Name | Course Name | Course Code | Year of Introduction |
|-----|--|---|-------------|----------------------|
| | Engineering | Engineering | | |
| 58 | B.Tech. Electrical Engineering | Core 9: Electrical & Electronic Measuring Instruments | 18BTEECC404 | 2019-2020 |
| 59 | B.Tech. Electrical Engineering | Core Practical 5: Rotating AC Machines Practical | 18BTEECC405 | 2019-2020 |
| 60 | B.Tech. Electrical Engineering | Core Practical 6: Analog Electronics Practical | 18BTEECC406 | 2019-2020 |
| 61 | B.Tech. Electrical Engineering | Core Practical 7: Electrical & Electronic Measuring Instruments Practical | 18BTEECC407 | 2019-2020 |
| 62 | B.Tech. Electrical Engineering | Core Practical 8: Simulation & Design Tools Practical | 18BTEECC408 | 2019-2020 |
| 63 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | Core 8: Power Quality Management (Self Study) | 18MEEPCC301 | 2019-2020 |
| 64 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core 1: Power Electronics Application in Power System | 18MEEPDC301 | 2019-2020 |
| 65 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core 1: Hybrid AC-DC Converter | 18MEEPDC302 | 2019-2020 |
| 66 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core 1: Embedded Control of Electrical Drives | 18MEEPDC303 | 2019-2020 |
| 67 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | Core Practical 8: Dissertation Phase-I | 18MEEPCC302 | 2019-2020 |
| 68 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core Practical 1: Power Electronics Application in Power System Practical | 18MEEPDC304 | 2019-2020 |
| 69 | M.Tech. Electrical Engineering | DSE-Core Practical 1: Hybrid AC-DC Converter | 18MEEPDC305 | 2019-2020 |



| Sr. | Program Name | Course Name | Course Code | Year of Introduction |
|-----|--|--|-------------|----------------------|
| | (Power Electronics & Electrical Drives) | | | |
| 70 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core Practical 1: Embedded Control of Electrical Drives Practical | 18MEEPDC306 | 2019-2020 |
| 71 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core 2: Hybrid Electric Vehicles | 18MEEPDC401 | 2019-2020 |
| 72 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core 2: Electromagnetic Compatibility in Power Electronics | 18MEEPDC402 | 2019-2020 |
| 73 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | Core Practical 9: Mid Semester Dissertation | 18MEEPCC401 | 2019-2020 |
| 74 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | Core Practical 10: Dissertation Phase -II | 18MEEPCC402 | 2019-2020 |
| 75 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core Practical 2: Hybrid Electric Vehicles Practical | 18MEEPDC403 | 2019-2020 |
| 76 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | DSE-Core Practical 2: Compatibility in Power Electronics | 18MEEPDC404 | 2019-2020 |
| 77 | M.Tech. Electrical Engineering (Power Electronics & Electrical Drives) | CEC 1: Online / Professional Certification Courses / Short Term Course | 18MEEPCE01 | 2019-2020 |
| 78 | M.Tech. Electrical Engineering | CEC 2: Online / Professional Certification Courses / Short | 18MEEPCE02 | 2019-2020 |



| Sr. | Program Name | Course Name | Course Code | Year of Introduction |
|-----|---|--------------------------------------|-------------|----------------------|
| | (Power Electronics & Electrical Drives) | Term Course | | |
| 79 | All UG Programs | SEGII: CoC -Renewable Energy Sources | 18AECO003 | 20192020 |
| 80 | All PG Programs | GE 1:Energy Conservation | 18MEEPGE301 | 20192020 |



A handwritten signature in black ink, consisting of a stylized, cursive script.

Registrar
Atmiya University
Rajkot