



## Department of Electrical and Electronics Engineering

### M.Tech. Power Electronics and Drives

#### Action Taken Report on Feedback Obtain in AY 2020-21

19-04-2021

| Stakeholder | Comments/ Suggestions                                                                                                                                                                                                                                                          | Action Taken                                                                                                                                                                                                                       |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Employers   | Focus on Artificial Intelligence applications in the field of Electrical Engineering especially in Power Electronics domain                                                                                                                                                    | Majority of student are doing projects in the area of fuzzy logic and neural networks applications to power electronics.                                                                                                           |
|             | Impart the knowledge of solar photovoltaic conversion systems along with different MPPT Techniques in order to compete with the industrial demands.                                                                                                                            | Solar Energy Conversion course is introduced in R20 curriculum to impart knowledge on PVs.                                                                                                                                         |
|             | Give Emphasis to computer programming                                                                                                                                                                                                                                          | Two MOOCS courses are introduced in R20 curriculum, will encourage them to learn programming courses.                                                                                                                              |
| Alumni      | Conduct any job orientation programs for second year students.                                                                                                                                                                                                                 | Employment Orientation Program is there in curriculum with 2 credits to train students related to job orientation.                                                                                                                 |
| Faculty     | There will be a huge demand for power electronics design engineering roles as the renewable and EV sector taking off slowly. Adding an Advanced course on power converter modeling and control would be a great training and will be helpful to students to attend interviews. | Advanced courses like digital control of power electronics and drives system and processor applications in electrical engineering courses are there in R20 curriculum. More number of courses will be added in revised curriculum. |
| Students    | possible to offer electric vehicle course in core course                                                                                                                                                                                                                       | In R20 Electric vehicle course is offered as elective.                                                                                                                                                                             |

Following Suggestions need to be discuss in-depth during the next CDMC

1. Equip the students with knowledge of Machine Learning as it is the need of the hour in the industry.
2. Include labs on Electric Vehicles.
3. Add some courses related embedded systems, robotics and automation.

A handwritten signature in blue ink, consisting of a stylized 'H' and 'E' followed by a long, sweeping flourish that extends upwards and to the right.

**HoD, EEE**