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| Course Number and Name | | | | | | | | | | | | | |
| BGE002 – WIND AND SOLAR ENERGY | | | | | | | | | | | | | |
| Course Objective | | | | | | | | | | | | | |
| To equip students with adequate knowledge on the need for alternate energy sources, Potential of solar and wind options | | | | | | | | | | | | | |
| Prerequisites | | | | | | | Co-requisites | | | | | | |
| BME | | | | | | | NEW AND RENEWABLE SOURCES OF ENERGY | | | | | | |
| Course Outcomes (COs) | | | | | | | | | | | | | |
| CO1 | Student learns about modelling of wind rotor | | | | | | | | | | | | |
| CO2 | Student learns the wind rotor design | | | | | | | | | | | | |
| CO3 | Student learns the speed control | | | | | | | | | | | | |
| CO4 | Student learns the use of solar energy in the far future | | | | | | | | | | | | |
| CO5 | Student learns the installation methods for solar panel | | | | | | | | | | | | |
| CO6 | Student understands the use of voltaic cell | | | | | | | | | | | | |
| Student Outcomes (SOs) from Criterion 3 covered by this Course | | | | | | | | | | | | | |
| | COs/SOs | a | b | c | d | e | f | g | h | i | j | k | l |
| | CO1 | H | | | | | | | | | | | |
| | CO2 | | | H | | L | | | | H | | L | |
| | CO3 | H | | | | | M | | | | | | |
| | CO4 | | | H | | L | | M | | | | | L |
| | CO5 | | | | | | | | | H | | | |
| | CO6 | H | | | | L | | | | | | | L |