| Course Number and Name   |            |  |  |          |          |          |               |         |          |            |      |   |   |   |  |
|--|------------|--|--|----------|----------|----------|---------------|---------|----------|------------|------|---|---|---|--|
| BME006 - COMBUSTION ENGINEERING                                |            |  |  |          |          |          |               |         |          |            |      |   |   |   |  |
| Course Objective   |            |  |  |          |          |          |               |         |          |            |      |   |   |   |  |
|  | ınderstand |  | alyze th   | e combi  | ustion v | vith emp | hasis o       | n engin | eering a | pplication | ons. |   |   |   |  |
|  |            | Prerequisites                                  |  |          |          |          | Co-requisites |         |          |            |      |   |   |   |  |
| IC EI  | NGINES     |  |  |          |          |          | Nil           |         |          |            |      |   |   |   |  |
| Course Outcomes (COs)  |            |  |  |          |          |          |               |         |          |            |      |   |   |   |  |
| CO1  |            | Understand various types of fuels and its ppts |  |          |          |          |               |         |          |            |      |   |   |   |  |
| CO2  |            | Understand the concept of gaseous fuels        |  |          |          |          |               |         |          |            |      |   |   |   |  |
| CO3  |            | Will a   | Will able to differentiate gaseous and liquid fuels          |          |          |          |               |         |          |            |      |   |   |   |  |
| CO4  |            | Will u   | Will understand the concept of solid fuels                   |          |          |          |               |         |          |            |      |   |   |   |  |
| CO5  |            | Student learns about fluidized bed combustion  |  |          |          |          |               |         |          |            |      |   |   |   |  |
| CO6  |            | Stude  | Student understands the fundamentals in combustion of fuels. |          |          |          |               |         |          |            |      |   |   |   |  |
| Student Outcomes (SOs) from Criterion 3 covered by this Course |            |  |  |          |          |          |               |         |          |            |      |   |   |   |  |
|  | COs/SOs    | a  | b  | c        | d        | e        | f             | g       | h        | i          | j    | k | 1 |   |  |
|  | CO1        | Н  |  |          |          |          |               |         |          |            |      |   |   |   |  |
|  | CO2        | Н  |  | Н        |          |          |               | L       |          |            |      |   |   |   |  |
|  | CO3        | Н  |  | Н        |          | М        | М             |         |          | L          |      | L |   |   |  |
|  | CO4        | Н  |  | Н        |          |          |               |         |          |            |      |   | L |   |  |
|  | CO5        | Н  |  |          |          |          | М             |         | М        |            |      |   |   |   |  |
|  | CO6        | Н  |  | Н        |          |          |               |         |          |            |      |   | L |   |  |
|  |            |  | l  | <u> </u> | l        | 1        | l             | 1       | 1        | 1          | l    | 1 |   | — |  |