

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341055571 A

(19) INDIA

(22) Date of filing of Application :18/08/2023

(43) Publication Date : 29/12/2023

(54) Title of the invention : Pedagogically Designed and Developed learning system for Engineering Basic Thermodynamics concepts

(51) International classification :G09B0007000000, G06Q0050200000, G09B0007040000, G06K0009620000, G09B0019000000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Dr. K.V. Muralidhara Sharma

Address of Applicant :Dr. K.V. Muralidhara Sharma Associate Professor,Department of Mechanical Engineering Jyothy Institute of Technology, Tathaguni, Off Kanakapura Road, Bangalore sharmodynamics@gmail.com 9449154928 -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. K.V. Muralidhara Sharma

Address of Applicant :Dr. K.V. Muralidhara Sharma Associate Professor,Department of Mechanical Engineering Jyothy Institute of Technology, Tathaguni, Off Kanakapura Road, Bangalore sharmodynamics@gmail.com 9449154928 -----

(57) Abstract :

The present work is on designing and developing different learning modules for a set of identified learning topics in Basic Engineering thermodynamics specific to Indian socio-cultural context adopting appropriate pedagogical strategies and technological tools. Different modules thus developed are integrated in to a MOOCs based LMS - MOODLE. The entire learning system is designed and developed to operate in a Blended Learning environment. The learning system is designed to be used in a time table driven engineering educational Institutions under a University with sufficient opportunity for a learner to engage in a self learning mode. Practicing Engineering thermodynamics teacher would be able to use this system utilizing the built in developed learning contents 400 and also with sufficient scope for their individual teaching style and expertise in Engineering thermodynamics.

No. of Pages : 13 No. of Claims : 6