**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnana Sangama”, Belagavi, Karnataka, INDIA**

****

A Seminar Report

On

***DESIGN FOR 4D-PRINTING: THE DESIGN SPACE AROUND SMART MATERIALS***

*Submitted in partial fulfillment of the requirement for the award of the degree of*

**Bachelor of Engineering**

**in**

**Mechanical Engineering**

*Submitted By*

|  |  |
| --- | --- |
| **DEEPAK S L** | **1GA15ME022** |

Under the guidance of

**Vijay Kumar Pujar**

Assistant Professor

Dept. of ME, GAT

****

**Department of Mechanical Engineering**

**GLOBAL ACADEMY OF TECHNOLOGY**

Rajarajeshwari Nagar, Bengaluru - 560 098

**2018 – 2019**

**GLOBAL ACADEMY OF TECHNOLOGY**

**Department of Mechanical Engineering**

Rajarajeshwari Nagar, Bengaluru - 560 098

****

**CERTIFICATE**

This is to certify that **Mr. DEEPAK S L** bearing **USN :1GA15ME022**

of VIII semester B.E. in Mechanical Engineering has presented and successfully completed the seminar titled “**DESIGN FOR 4D-PRINTING: THE DESIGN SPACE AROUND SMART MATERIALS”** for the partial fulfillment of the award of **BACHELOR OF ENGINEERING** in Mechanical Engineering from **Visvesvaraya Technological University, Belagavi** during the year 2018-2019.

**Dr. N Rana Pratap Reddy**

Principal

GAT, Bengaluru.

**Dr. T. Krishna Rao**

Professor & HOD

Dept. of ME

GAT, Bengaluru.

**Vijay Kumar Pujar**

Assistant Professor

Dept. of ME

GAT, Bengaluru.

Guide Signature with date