

# Open Source Computer Aided Engineering Initiative: Statements of Mission & Vision

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January 30, 2017

## 1 Introduction

Open Source Computer Aided Engineering Initiative (OSCAE.Initiative) is an open-source software advocacy working to increase the awareness and improve the perception of open-source software capability for use in solving engineering problems. It adopts the Open Source Definition (OSD) used by the Open Source Initiative (<https://opensource.org>) and is devoted to technical aid of free and open-source software for computer aided engineering as a whole.

As most open source computer-aided engineering (OSCAE) software packages are implemented to run on average desktop computers right up to the high-end engineering workstation clusters, OSCAE.Initiative has the critical goal of encouraging widespread adoption of OSCAE software technology as cost-effective and royalty-free engineering problem-solving tools. To this end, it plays the role of a special interest group, with a national scope, formed to

1. educate about, and
2. advocate for the benefits of

OSCAE software & hardware.

## 2 Mission Statement

OSCAE.Initiative develops and supports computing infrastructure to advocate and improve perception of OSCAE software through integrated engineering education, research and practice.

### **3 Vision Statement**

OSCAE.Initiative believes in the promise of quality, reliability, greater flexibility, lower cost, and an end to vendor lock-in offered by open source software. Within the next five years, the OSCAE.Initiative aspires to be among the major research and consulting centres to help create a wiser, smarter engineering community by assisting aspiring and practising engineers acquire the CAE education, skills and resources necessary to build self-sufficient, prosperous, engineering solution providers of the fourth industrial revolution.

### **4 Scope of Activities**

Our major activities are:

- developing and making OSCAE tools easily available,
- provide hands-on workshops to open source hardware and CAE tools, and
- provide a conducive educational, research and practical CAE environment where *“birds of a feather flock together”*.

### **5 Contact**

Please contact the OSCAE.Initiative if you are interested in having us help you develop working computing environment, conduct educational conferences, programs, courses of instruction, and/or seminars relating to Open Source CAE software.

We can be contacted at our mailing address:

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