

**NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS), COIMBATORE – 641 018**  
**INSTITUTION INNOVATION CELL**

**Report For**  
**Orientation Session on ‘Instilling Creativity & Critical Thinking’**

**Date** : 29.05.2021  
**Time** : 10:30 am - 12:30 pm  
**Platform** : Google Meet  
**Topic** : Instilling Creativity & Critical Thinking  
**Resource Person** : Dr. S. Balasubramanian,  
Associate Professor, Department of Mechanical Engineering,  
Kumaraguru College of Technology, Coimbatore.

**Report:**

The Institution Innovation Cell organized an orientation session on 29<sup>th</sup> May 2021 at 10:30 am on the topic ‘Instilling Creativity & Critical Thinking’ through Google Meet platform. Dr. S. Balasubramanian, Associate Professor, Department of Mechanical Engineering, Kumaraguru College of Technology, Coimbatore served as Resource Person. The session began with a prayer song.

Dr. S. Balasubramanian commenced his presentation by giving a brief introduction about what is creativity and what is critical thinking. Creativity is a phenomenon whereby something somehow new and somehow valuable is formed. The created item may be intangible or a physical object. Creativity is defined as the tendency to generate or recognize ideas, alternatives, or possibilities that may be useful in solving problems, communicating with others, and entertaining ourselves and others. He also stressed on three reasons why people should be motivated to be creative. They are need for novel, varied, and complex stimulation, need to communicate ideas and values and need to solve problems.

Sir has insisted that tests of creativity measure not only the number of alternatives that people can generate but the uniqueness of those alternatives (i.e) the ability to generate alternatives or to see things uniquely does not occur by change; it is linked to other, more fundamental qualities of thinking, such as flexibility, tolerance of ambiguity or unpredictability, and the enjoyment of things henceforth unknown.

The resource person moved on to the next topic ‘Critical Thinking’. He pointed out that Critical Thinking is the objective analysis and evaluation of an issue in order to form a judgement. It is analysis of facts to form a judgment. The subject is complex and several different definitions exist which generally include the rational, skeptical, unbiased analysis or evaluation of factual evidence. He stressed that critical thinkers rigorously question ideas and assumptions rather than accepting them at face value. They will seek to determine whether the ideas, arguments and

findings represent the entire picture and are open to finding that they do not. Critical thinkers will identify, analyse and solve problems systematically rather than by intuition or instinct.

Dr. Balasubramanian showed some of the new innovations with creativity and critical thinking like a bench with the table, hand rest for fractured hand, Solar seeder, Reversible benches at public places, Looms for physically challenged, etc., The doubts of the students were clarified after the presentation. The session came to an end with a formal vote of thanks.

