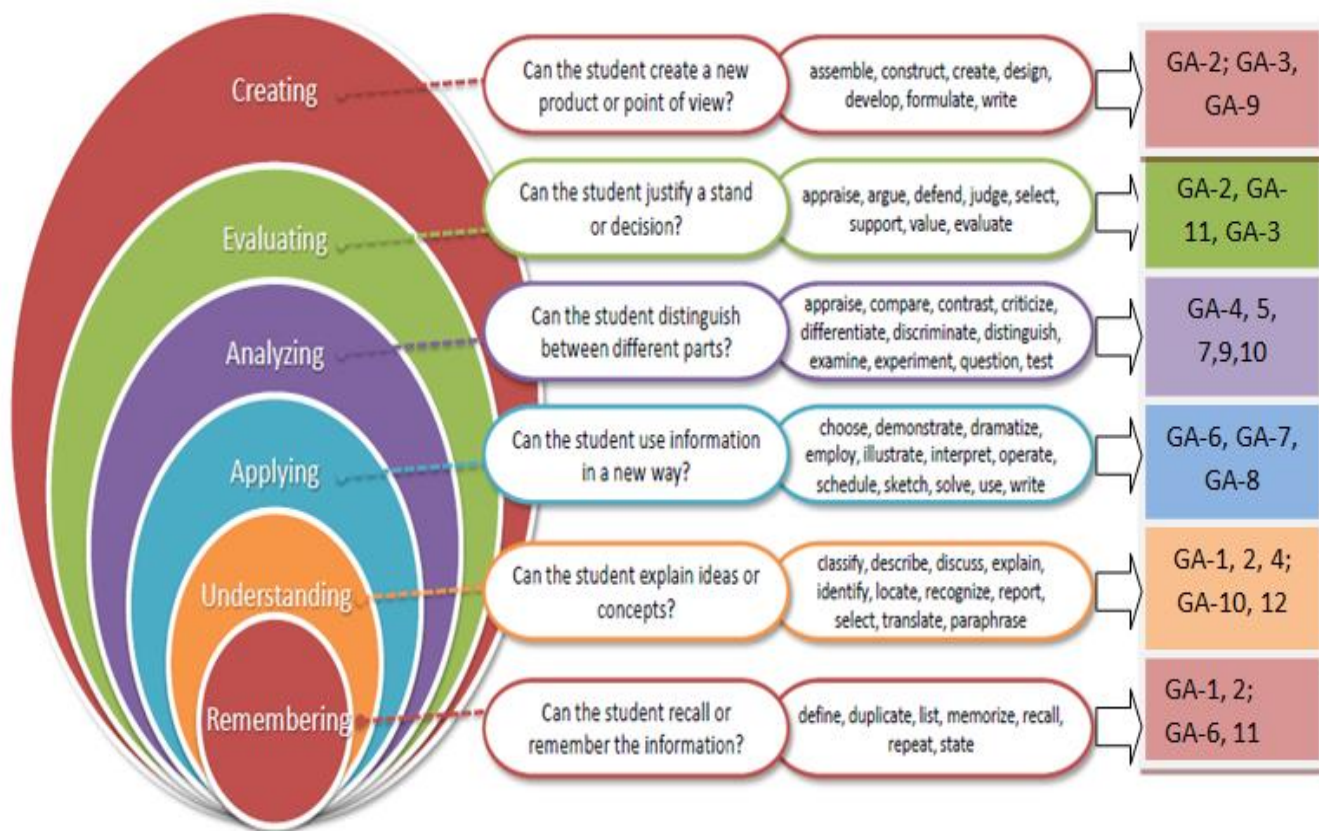


## **Graduates Attributes (GAs) of EWIT.**

1. **Engineering Knowledge (GA-1):** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis (GA-2):** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
3. **Design/ Development of Solutions (GA-3):** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
4. **Conduct (GA-4)** investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
5. **Modern Tool Usage (GA-5):** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The Engineer and Society (GA-6):** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
7. **Environment and Sustainability (GA-7):** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
8. **Ethics (GA-8):** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
9. **Individual and Team Work (GA-9):** Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
10. **Communication (GA-10):** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
11. **Project Management and Finance (GA-11):** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long Learning (GA-12):** Recognize the need for and have the preparation and ability to Engage in independent and life- long learning in the broadest context of technological Change.

## Efforts made by the Institute level in achieving Graduate Attributes (GA):

1. NBA graduate attributes & Bloom's Taxonomy tagged.
2. Choice Based credit System (CBCS) manifest upon graduate attribute following the Revised Bloom's Taxonomy Level.



3. Employs Collaboration in work integrated Projects/Research with various professional Schemes [i] for granting funds.
4. Uses techniques & strategies appropriate to discipline are with confidence.
5. Hypothesis & design strategies that solve identified complex, open-ended problems.
6. Demonstrate autonomy in planning & implementing projects.
7. Facilitates the e-learning through the nptel videos access offline and online.
8. For the backward class category indeed provides the government book bank facility in adjunct book access along with the regular books.
9. The student shall make use of library automation & OPAC (Online Public Access Catalogue) search facilities to access the book for the design and development of solution.
10. Helps the Graduate / Post-Graduate / Research to effectively access the funded resource for the course / research completion.
11. Thereby draws on research & best practice to propose solutions to problems.

12. In order to improve the presentation & Communication skills to be an engineer the institute manifest with programs such as TESTME, Infosys Campus Connect, Mission 10X, On-line aptitude test...etc.,
13. Demonstrate commitment to applying organization skills as part of developing professional conduct & of being a life-long learner.
14. It encompass the graduate to access the institute network for attendance, assessment task & assessment feedback.
15. As an Engineer they would serve in enhancing the wealth, health & safety by a creative process utilizing the engineer's knowledge, expertise & experience.
16. The student shall utilize his/her knowledge & expertise for the welfare, health & safety of the society without any discrimination.
17. As a engineer shall maintain the honor, integrity & dignity in all his/her professional actions to be worthy of trust of the institute.
18. As an engineer shall act only in the domains if his competence & with diligence, care, sincerity & honesty.
19. As an engineer shall not directly/ indirectly injure the professional reputation of another person/ engineer.

---

<sup>1</sup> a) Modernization And Removal Of Obsolescence (MODROBS)  
b)VGST (Vision Group on Science & Technology) - DST (Department of Science & Technology)  
Government of Karnataka.