

# Lifelong Learning



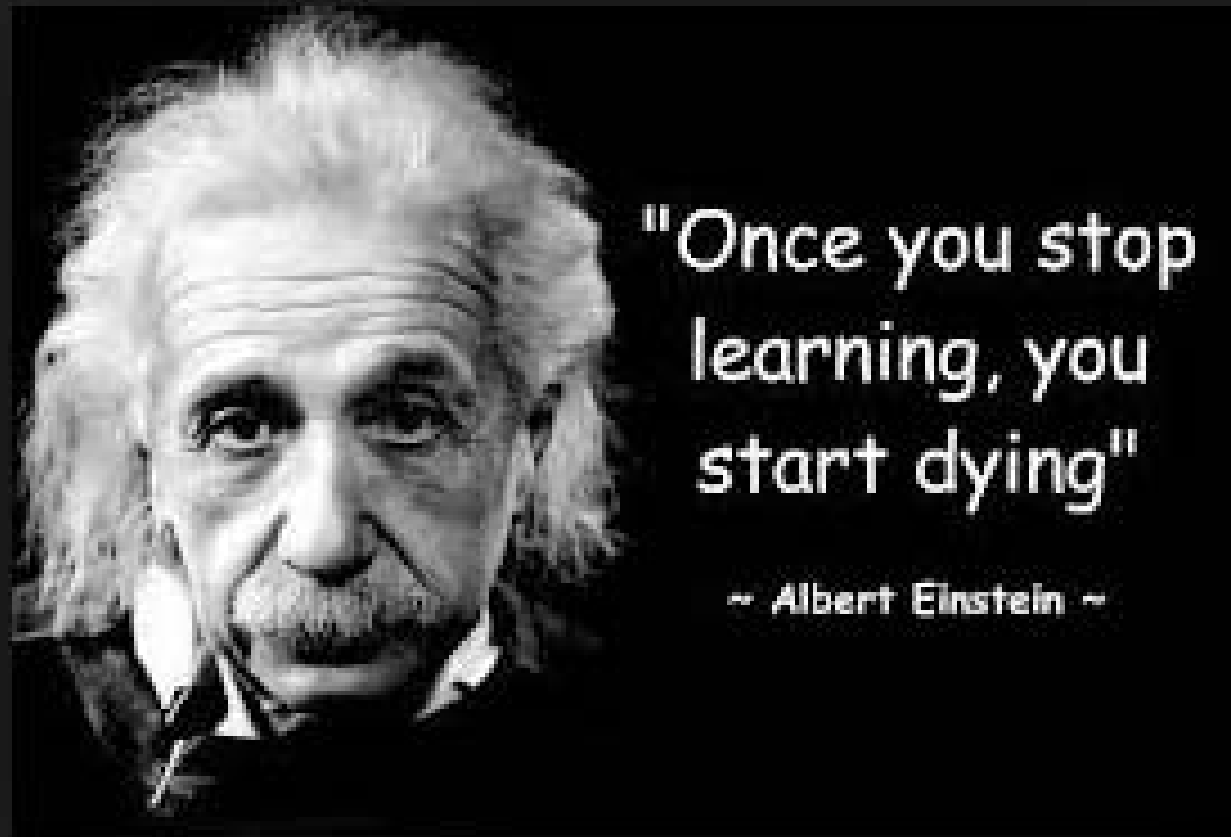
Senior Design I

Electrical Engineering and Computer Science

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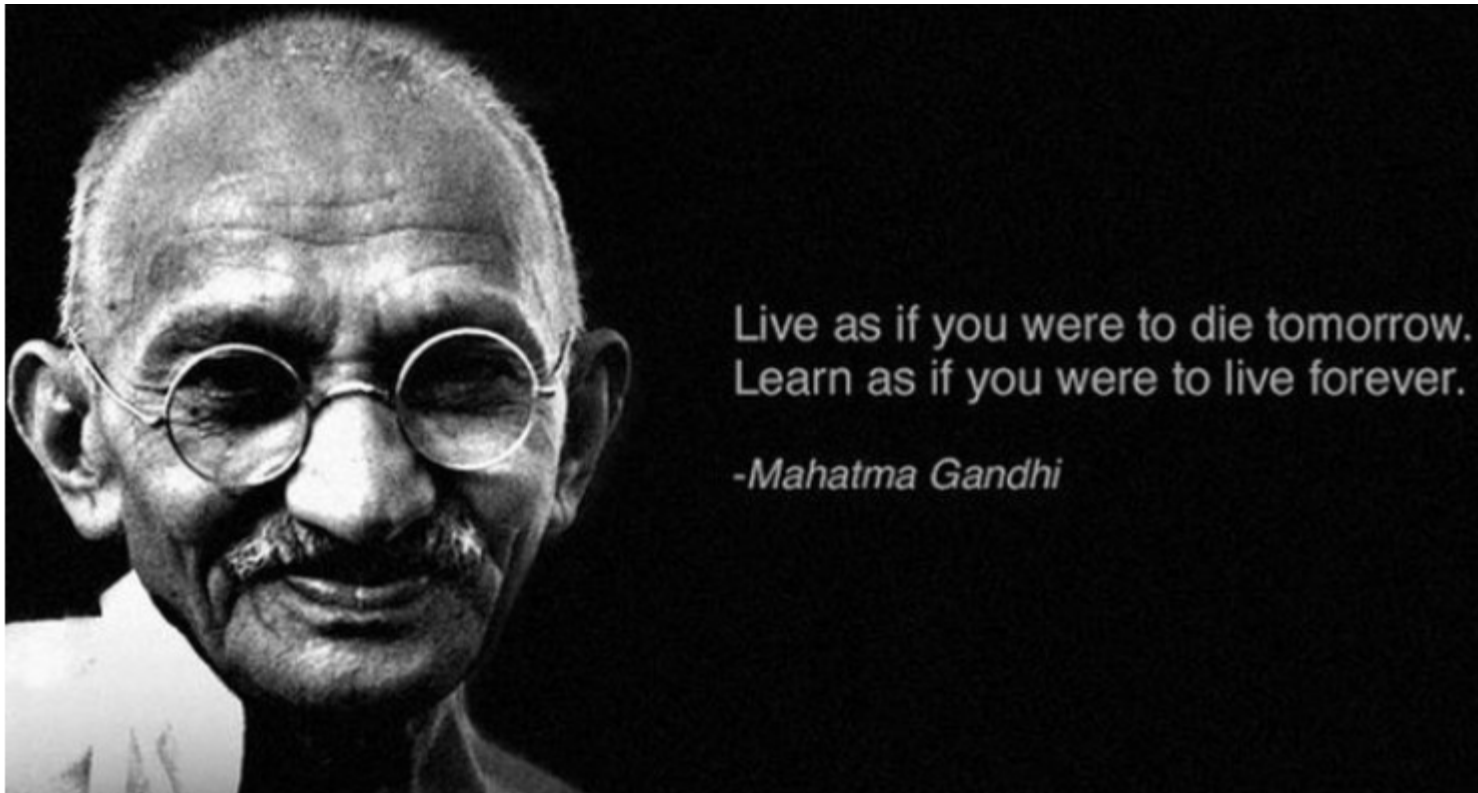
# Lifelong Learning



"Once you stop  
learning, you  
start dying"

~ Albert Einstein ~

# Lifelong Learning



# Lifelong Learning



**“Life itself is your teacher,  
and you are in a state  
of constant learning.”**

— Bruce Lee

# Lifelong Learning – What?

- Boundless Learning
  - Not confined to classroom
  - Learning in a range of situations
  - **Life-Long:**
    - Learning throughout life
    - Entire life cycle (“from the cradle to the grave”)
  - **Life-Wide:**
    - Embedded in all life contexts and situations
      - School, **Home**, Workplace, **Group**, **Team**, Community,
      - **Web**, **Online**, Remote learning
    - 24/7 Schooling
      - “Anywhere anytime”
      - Learning in daily interaction with the world around

# Lifelong Learning –Why ?

- Background:
  - Knowledge-based economy
  - Growing speed of technological changes
  - Globalization of all influence
  - Needs to improve/update skills and competences.
- Ongoing, voluntary, and self-motivated pursuit of knowledge for the purpose of
  - Personal or professional development
  - Enhancement of social inclusion and active citizenship
  - Enhancement of self-sustainability – competitiveness and employability

# Contexts of Lifelong Learning



Take online courses



Ask mentors

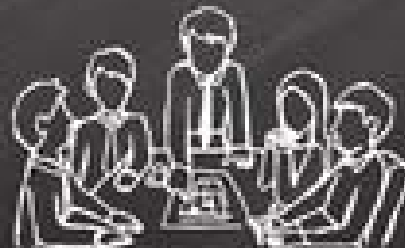


Join seminars

## INVESTING IN YOURSELF



Read books



Join groups



Try

# Contexts of Lifelong Learning

- Home schooling
  - Development of information learning patterns
- Adult Education
  - Acquisition of formal qualifications for work or leisure skills
- Continuing Education
  - Extension or non-credit courses
- Knowledge Work
  - Professional development and Job training
- Personal Learning Environment
  - Self-directed learning using range of sources and tools including online or web learning and trainings
  - E-Learning for individual learning
  - Massive open online course (MOOC)



# Benefit of Lifelong Learning

- Individual
  - Updated knowledge, skills, values, attitudes, and understanding
  - Sharpened mind, interpersonal skills, and career opportunities
- Community
  - Productive and innovative workers
- Economy
  - Stronger economy through the skilled, knowledgeable, and able individuals
  - Enhanced life (well-being) for all members

# Lifelong Learning

The capacity to learn  
is a gift; The  
ability to learn is a  
skill; The  
willingness to learn  
is a choice.

*Brian Herbert*

# Timeline

Date	Activities
Week of Oct 22 - 28	<ol style="list-style-type: none"> <li>1. From <b>today</b>, each member individually generates a solution concept/idea.</li> <li>2. <b>Bring it to a weekly team meeting</b></li> <li>3. <b>Discuss the individual concepts/ideas in the team meeting</b></li> </ol>
	Incubation period – 1 week
Week of Oct 29 – Nov 4	Team meeting <ul style="list-style-type: none"> <li>• Discuss individual ideas and develop into <b>2 team Solution Concepts/Ideas</b></li> <li>• Describe [type] the ideas with figures to <b>2 conceptual designs.</b></li> </ul>
W 11/8/2017	<b>Submission</b> of (1) all individual <u>concepts/ideas</u> and (2) (2a) Team Conceptual Design #1 (2b) Team Conceptual Design #2
W 11/15/2017	<b>Submission</b> and <b>Presentation</b> of the <i><b>Analysis of 2 designs and Selection of the Top Design</b></i>
W 11/29/2017	<b>Presentation</b> of <b>Solution and Conceptual Design</b>
F 12/1/2017	<b>Submission of (1) Peer Evaluation (via email) (2) Individual Project Note, (3) Team Project Binder</b>
W 12/6/2017	<b>Final Exam (10 am – 12 noon)</b>