PRESENTING YOUR PROJECTS

By
Manuel Jiménez

Microprocessor Interfacing (ICOM-5217)

Department of Electrical and Computer Engineering
University of Puerto Rico at Mayagüez

November 21, 2007

OUTLINE

- **Presentation Structure**
- **Section Details**
  - Body of work
- **Useful Hints**
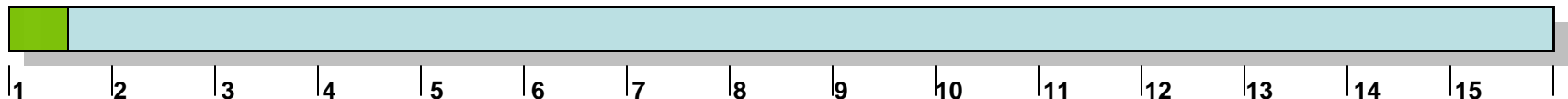 - Recommendations
- **Q&A**

PRESENTATION STRUCTURE

- Title Slide
- Outline
- Introduction
- Body of Work
  - Sections
- Conclusions
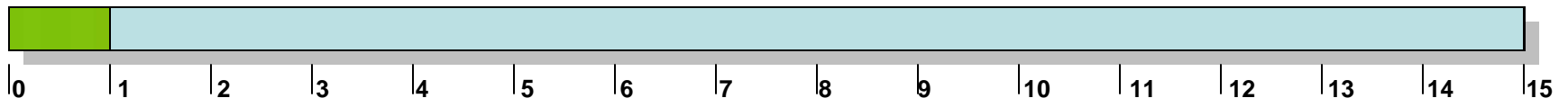- Q&A

TITLE SLIDE

- **The first slide to be shown**
  - Scheme different from rest
- **Pieces of Information**
  - Project Title
  - Students
  - Place
  - Date
- **Introduce yourself and the rest of your team**
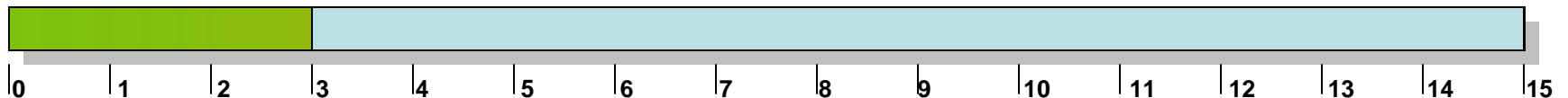- **No. of Slides: 1**
  - Time: 30 seconds

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

OUTLINE SLIDE

- **Brief list of topics to be covered**
- **Do not go into details**
- **Should provide a broad idea of the presentation structure**
  - Use bullets
- **No. of Slides: 1**
  - Time: 30 seconds

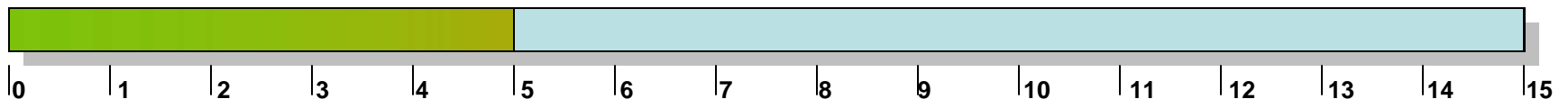| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

INTRODUCTION SLIDE(S)

- **General Project Description**
- **Motivation**
  - Problem to be solved
- **Objectives**
  - General and Particular Objective
- **No. of Slides: 2 or 3**
  - Time: 2 minutes

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
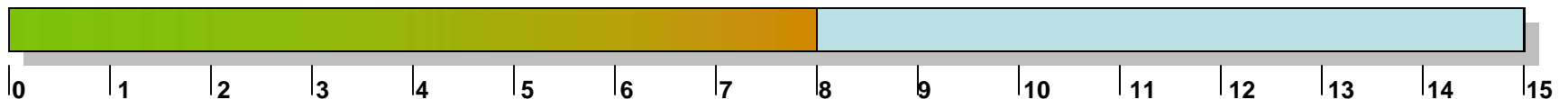
THEORETICAL BACKGROUND

- **Basis of System Operation**
  - Rules
  - Working principle
  - Inherent Limitations
- **Figures or Drawings**
- **No. of Slides: 1 or 2**
  - Time: 2 minutes

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

HARDWARE DESIGN

- **System Block Diagram**
  - Interrelation among components
  - Reason for being
  - Considerations
    - Power, size, safety, usability, etc.
- **NO COMPLEX Schematics please**
- **No. of slides: 2 or 3 as needed**
  - Time: 3 minutes

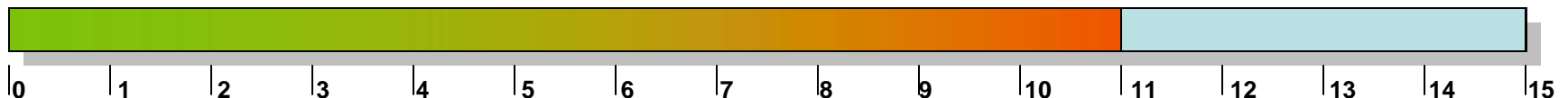0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
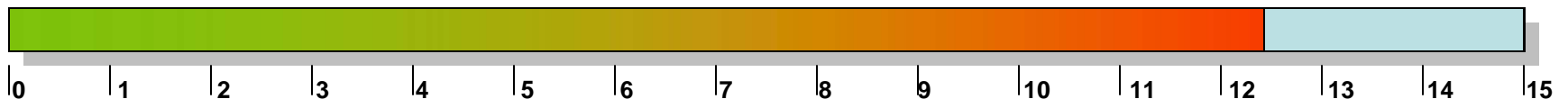
SOFTWARE DESIGN

- **General Operating Chart**
  - Software design perspective
  - Justify MAJOR decisions
  - Considerations
    - NO CODE, please
    - Self contained charts
- **No. Slides: 2 or 3 as needed**
  - Time: 3 minutes

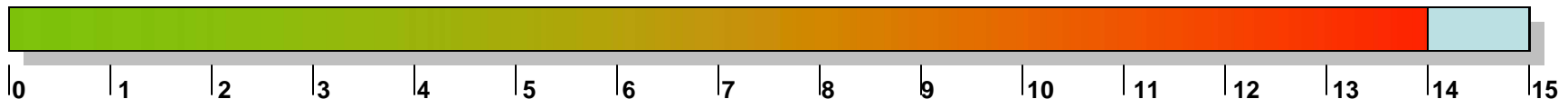| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

- **Highlight what was completed**
  - Focus on accomplishments
- **Special issues regarding your system**
- **Identify Limitations**
  - Be honest
- **Slides: 1 or 2**
  - Time: 1.5 minutes

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
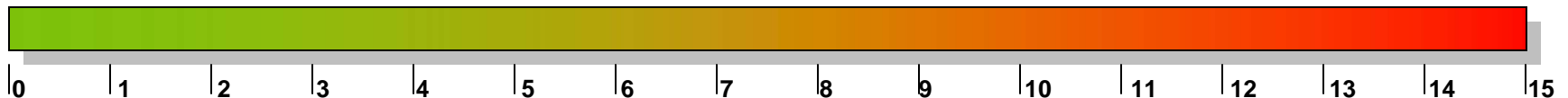
CONCLUSIONS

- **Summarize your ideas**
  - Use bullet list
- **<u>Not</u> the place for NEW information**
- **Highlight achievements**
  - Was the problem solved?
- **No. of Slides: 1**
  - Time: 1.5 minutes

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

FUTURE WORK

- **Project enhancements or improvements**
- **Extensions and possibilities**
  - Could it be continued?
- **Don't delve into fine details**
- **Slides: 1**
  - Time: 1minute or less

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

RECOMMENDATIONS

- **You are the center of your presentation**
  - Your slides are just an aid
- **Expected participation of all team members**
  - Each must present only once
- **Use embellishments as you wish**
  - Do not abuse them
- **Avoid information clutter**
  - Bullets with main ideas. Your words to fill-in
- **Manage well your time**
- **Dress appropriately**

QUESTIONS?