Chapter Leadership: Experience

Aswin Shibu

ICRA, Seattle 2015
Need for RAS Chapter

- IEEE College of Engineering SB
  - 2 Larry K Wilson Awards
  - 2 Student Enterprise Awards
  - 2 Darrel Chong Best Initiative Awards
  - 1 Outstanding Branch Counselor Award
  - 3 Richard E Merwin Computer Society Awards
  - Co-hosted Region 10 Student Congress 2011
**Need for RAS Chapter**

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- Distinct lack of technical know-how & expertise
  - Funding is poor
  - Curriculum is handicapped
  - Resources are hard to obtain
Starting the Chapter

- PES or RAS?
Starting the Chapter

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Starting the Chapter

- Alumni & Staff helped create a 3-year plan for the Chapter to grow and achieve targets
  - Year One: Learn
  - Year Two: Learn some more
  - Year Three: Build

- Had a look at all Chapter Resources available
  - Chapter Startup Grant - $500
  - Local Chapter Support Grant - $2000

- Started chapter with 18 members and I was interim-chair
Chapter Goal

Build up the skillset of 18 founder members so that they in-turn become 10x better than what they were a year ago
Chapter Activities

Activities were split into four:

- Weekly Activities
  - General Body: every Monday@Lunch
  - Communication workshops every Wednesdays
  - Hobby Projects during Saturday-Sunday
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- Monthly Activities
  - Essentials of PIC programming
  - Soldering for Dummies
  - Email etiquette, resume and presentation tips
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  - Essentials of PIC programming
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  - Email etiquette, resume and presentation tips
- Annual Activities
  - Advanced Robotics Workshop
- Bonus Activities
  - Industrial Visit to ISRO
Impact

Section

- 3 Student Chapters were formed directly as a result
- Section Chapter was formed due to spurt of new chapters
Impact

- **Section**
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- **Student Branch**
  - Mentoring weaker/newer student chapters
  - SIGHT Projects
  - General Awareness
Impact

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- SIGHT Projects
- General Awareness

Self
- Noticed and nominated as India Council SAC Chair 2015
- Founded hardware startup, co-founder was guest at the Advanced Robotics Workshop
Membership Statistics

- **New Members**
- **Retained Members**

<table>
<thead>
<tr>
<th>Year</th>
<th>New Members</th>
<th>Retained Members</th>
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<tbody>
<tr>
<td>2013</td>
<td></td>
<td></td>
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<td>2014</td>
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<tr>
<td>2015</td>
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The future is hardware

A rapid prototyping primer: From Batman's belt to a hardware revolution

A Love Story That Spawned A Hardware Revolution In The Kitchen

Monoculture and the Future of Hardware
Why more focus is needed

Google Trends for the term “Robotics”
Thank you
Aswin Shibu
aswinshibu@ieee.org