

Team Project Evaluations: Introduction to Electrical and Computer Engineering: 16.100

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Proposals Addressed Five Themes

1. Automobiles

- Precipitation Preventer: Automatic Rain Sensors for Open Windows
- Heads up Display Navigation System
- Retractable Metal Stud Snow Tires for Safer Driving
- Hydrogen Powered Vehicles: Making them Cost Effective

2. Learning Tools

- Windows System Interface : Windows Junior (for 8-12 year olds)
- Learning Revolutions : Integrate Computer Learning Software with COTS devices
- Bionics 101: Technology learning for students in middle/high schools

3. Products for Improving Communities in Need

- Green Power: Solar and Wind Generators for consumer use
- Wells for Portable/Potable Water in Mozambique
- Wireless Technology and Learning for Elderly Homes
- Speech Enhancement Products for Disabled
- Providing Meal Delivery Service for Financially Disadvantaged and Elderly

Proposal Themes Contd.

● 4. General Technology Application

- AI1: Integrated multimedia / phone / satellite/ radio multifunctional device
- Wireless notes/sensors for sports statistics collection/monitoring
- MetaTV: Application of Metamaterials for TVs
- Automatic Temperature Controllers

● 5. Products for Service Personnel

- Suspended Animation using Magnetic Cooling
- Firefighter Air Purifier
- Wireless monitors for Wartime Evaluation of Soldiers on the Field

Evaluations were Based on:

- Peer Review: Each Team reviewed Three proposals ranking them: Excellent to Poor
- Instructor Evaluation: Considering
 - Innovation, Feasibility, Projected Expertise
 - Identifying services/products that could potentially be successful
 - Proposals that leveraged previous experience of one or more team members
 - Proposals that demonstrated High Risk - High Gain Attributes
 - Proposals that suggested teams were excited or passionate about their products
 - Proposals that adhered to the documentation requirements
- Conclusion: Most Teams Demonstrated Extremely Good Team Work and Collaboration and also Conducted Team Evaluations very Professionally!