Formatting (6)

Cover page (1)

Margins and page numbering

Figure / Table captions

Section headings, spacing and general aesthetics

Overall format (template provided!)

Writing and Organization (15)

Appropriate technical writing style

Free of spelling and grammar errors

Smooth flow of ideas

Appendices, figures, tables referenced

External references used and cited

Abstract (5)

The abstract clearly describes the content of the paper and is a good, quick and easy, overview. Usefulness of Device/System: The applicant(s) clearly communicated how this design is different, better, set-apart from what already exists. The device will allow an individual or population of workers not currently employed to find employment or employed people with disabilities to have significant gains in productivity. The judges deem the device to be very useful and unique

Background (3)

Company history

Research into existing solutions is thorough (1)

Problem Statement (3)

Needs description is clear with sufficient contextual information

User needs analysis adequately synthesized

Project goals and objectives clearly stated

Rationale (5)

Industrial Engineering concepts and tools appropriately applied

Methods are sufficiently accurate and technically correct

Assumptions clear and appropriate to the problem context

Design (5)

Creativity used

Multiple options considered and evaluated analytically

Solutions address the problem objectives

Clearly describe the solution, who it is for, and how it helps

Proposed Development (5)

All major economic factors included

Assembly and construction reasonably outlined

Complete material list and cost complete

Costs seem reasonable

Proposed Evaluation (5)

Device is easy to use and implement

Evaluation shows improvement in ease and enjoyment of work

Device is safe, safety features have been added/are intrinsic

Discussion (5)

Effectiveness of design discussed

Benefit to client made clear

References and Acknowledgments (3)

References are used properly

Company used in research is acknowledged

Illustrations of your Design (20)

Illustrations are clear and easy to follow

Give a detailed description of proposed design

Specific Requirements Included in Report (20)

Is the assistive technology device/system a solution to a barrier that prevents a person with a severe disability from entering or advancing in the workplace?

Was the device/system designed in collaboration with a person who has a disability?

State whether or not this device was developed for an individual, a large market or universal design, and indicate the transferability of the technology.

Indicate and explain the intent of the design: conceptual creativity and innovation, practicality, replicable, or immediate use for a specific individual or population.

Indicate how this design is different, better, set-apart from what already exists in the market. Indicate the devices’ marketability.

Describe the design process: what was considered, what was abandoned and why (too cumbersome, too outdated, too many steps, etc...).

Indicate what level of independence this device will provide for an individual/group.

Describe interaction with faculty, staff, individuals with disabilities, job coaches, physical therapists, etc. in the development of the device.

Indicate whether or not a NISH affiliated NPA was consulted with during the design process. If so, which one, and how much time was spent in consultation. If student(s) did not work with a NISH affiliated NPA, then clearly indicate who they worked with and the nature of the interaction.

**TOTAL (100)**