Design Challenge @ EMPOWER 2018 Conference

Assistive Technology Design Challenge (Summary)

Design Problems: Given at the end.
(Each student/team can participate in only one of the four challenges)

Who can participate: Any student or student team from any institution

Deadline: 25th October (Midnight)

Mode of Submission: 3 Minute Video (See sample video given below)
(https://www.youtube.com/watch?v=0MhgIGTIiO8&feature=youtu.be)

Presentation Date & Time: October 27th 2018 (11.45 a.m. to 1.15 p.m.)

Venue: EMPOWER conference venue (IIT Delhi Sonipat Campus)

Certificate of participation for all selected entries and prizes for top three entries

Participation Fee: Rs 590 (Rs 500 + 18% GST) per student

EMPOWER 2018 Conference

The EMPOWER 2018 conference (25-27 October, 2018) is being organized to bring together all stakeholders in the space of Assistive Technologies for people with disabilities. This includes users, user organizations, industries, special educators, inclusive designers, healthcare professionals, entrepreneurs, policy makers and researchers engaged in different ways with the issues involved in creation, production, and dissemination of assistive technology solutions. This three-day event will see the active participation of all stakeholders not only to discuss current solutions but also to seed ideas to work on future solutions.

Apart from exhibition, keynote talks, invited presentations, panel discussions, posters, tutorials, and user forums the event would consist of assistive technology design challenge for students on the last day of the conference October 27, 2018 (Saturday). The venue for this challenge is I-TEC Technopark, a conference and incubation center of IIT Delhi located in the Rajiv Gandhi Education City in Sonipat. Students participating in this event will also have an opportunity to listen to users of assistive technology and work on new unmet needs.

Design Challenge 1
(Design of gifts/toys for autistic children)

A hallmark of autism is delayed or impaired social skills. The good news is that people of all ages can learn essential social skills with practice. Design a gift/toy to help enhancing social skills in autistic children

Design Challenge 2
(Group communication for hearing-impaired)

Design an assistive device or solution for the hearing-impaired personnel to facilitate them to communicate and participate in a round table meeting consisting of people with and without hearing impairment.

Design Challenge 3
(Beyond Scribe)

Design a product which can assist visually impaired student to write examinations independently without any sighted assistance.

Design Challenge 4
(Adaptive Chair)

Design and develop a low-cost adjustable and do-it-yourself adaptive chair for children who lack neuromotor and neuromuscular.