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PSBA-RearViz Autodesk Design Competition 2018

PSB Academy AutoCAD Training Centre (ATC) is challenging you to design the "Sportswear of the Future" using Autodesk® Fusion 360™ software. Put your drafting skills in product design to the test by considering aerodynamics, user safety, aesthetics and durability. Your skills could reinvent the future of sportswear in association with global health awareness campaign!

Important Dates

27th Aug 2018 (Monday) 9:00am	: Commencement of competition
28th Oct 2018 (Sunday) 11:59pm	: Due for submission of Fusion 360 files.
3rd Nov 2018 (Saturday) 9:00am	: Announcement of Winners
10th Nov 2018 (Saturday) 10:00am	: Award Ceremony in PSB Academy, Singapore

*Time zone in Singapore (GMT+8)

Judges will select the finalists and winners based on the following criteria:

- Innovation and inventiveness (40%): How well does this new design "push the envelope" especially in aerodynamics, user safety, aesthetics and durability.
- Software skills (20%): How well does the student designer demonstrate technical skills and quality of design submitted based on technical requirements?
- Suitability to purpose (20%): How well does the design prove useful and suited to serving its purpose, to provide a positive user experience?
- Creativity (20%): How well does the entry reflect cleverness and originality of thought to support the challenge?

Steps to Get Started

Step 1: Start by downloading Autodesk® Fusion 360 ™. FREE* access is available for students, educators, and schools

Step 2: You may start designing your Sport Wear of the Future from scratch, you may refer to tutorial instructions with this series of how-to videos.

Step 3: Check out more Autodesk how-to videos, tips, and live webinars that teach you to get modelling in Fusion 360 in no time.

Step 4: Submit the registration form, your Fusion 360 file (.f3d files) and at least one render (.jpg or .png file) to the challenge for consideration by the panel of judges to by 28 October 2018.

Download Registration Form here: http://psb-academy.edu.sg/storage/uploads/00000002034.pdf

Submit Registration Form and Design Files here: http://bit.ly/psba-rearviz

Judges

- Ms Kayla Crane, Chief Operating Officer, RearViz International
- Mr Marc Wong, Specialist, PSB Academy, Student Affairs
- Mr Raymond Toh, General Manager, NWH Holdings
- Dr Ang Kiang Long, Lecturer, PSB Academy Autodesk Training Centre
- Dr Victor Sim, Council Member, Institution of Engineers Singapore

Prizes

BEST DESIGN:

- Go-Pro Hero 6 Camera + Rearviz Extreme Adventure "ALL-IN" Package (Includes: Rearviz Classic, Rearviz UT35, Slimline Rearviz, Rearviz Sports Cap, Rearviz Beanie, Rearviz Sports Tee, Rearviz All-Weather Bike Decals) (Worth SGD 600).
- SGD150 worth Amazon Gift Voucher.
- The best design to be named after the designer's name initials (i.e. Rearviz xxx).
- Framed Champion's Certificate endorsed by Rearviz visionary inventor Mr. Raymond Crane.
- Interview with the winner, and featurette on the Rearviz International website (with mention of PSB Academy) and possibly in Australian media

1ST RUNNER-UP

- GoPro Hero Action Video Camera (worth SGD 300)
- Rearviz Sports Package (Includes: Rearviz Classic, Rearviz Sports Cap, Rearviz Sports Tee)
- Framed 2nd Place Certificate endorsed by Rearviz visionary inventor Mr. Raymond Crane
- Interview with the 2nd Place winner, and featurette on the Rearviz International website (with mention of PSB Academy).

2ND RUNNER-UP

- SGD150 worth Amazon Gift Voucher
- Rearviz Junior Sports Package (Includes: Slimline Rearviz, Rearviz Sports Cap) + Merit Certificate endorsed by Rearviz visionary inventor Mr. Raymond Crane
- Framed 3rd Place Certificate endorsed by Rearviz visionary inventor Mr. Raymond Crane
- Interview with the 3rd Place winner, and featurette on the Rearviz International website (with mention of PSB Academy)

* Rearviz reserves the right to replace any item in the arrangement with another of higher or equivalent value depending on availability.

TERMS AND CONDITIONS

Participants are to adhere to the Terms and Conditions of the RearViz Design for Life Sport Challenges as stated below. The Organizer reserves the right to amend the Terms and Conditions at any time at its absolute discretion without any further notice, and all Participants to this Competition shall be bound by these amendments. All changes will be notified through email.

1.0 Participants, Eligibility

1. Students from Polytechnics, International Schools, Universities and Private Education Institutions from all disciplines in Singapore and overseas are eligible to participate in this competition ("Participants").
2. Participants' age must be above 18 years as on 1st January 2018.
3. Each team may consist of 1 to 3 Participants.
4. Proof of student status must be provided upon request.
5. Each team may consist of Participants from Polytechnics, International Schools, Universities and Private Education Institutions. Cross institutions are allowed.

2.0 Technical Requirements

1. Your model must be created exclusively using Autodesk® Fusion 360™. Submissions created in other software programs will not be accepted.
2. All individual components must be modelled by you. You cannot import existing CAD data into your design with the exception of the files provided by organizer.
3. Model components must be combined and submitted as one .F3D file. F3Z files will not be accepted.
4. Submissions must include at least one rendering as a .JPG or .PNG file from Fusion 360.
5. Local renders may be produced in Fusion 360 or the Fusion 360 cloud renderer.
6. Pre-built components such as nuts, bolts, and brackets may be imported from open-source database.
7. The Design History must be visible in your file. The judges will play back the design history to watch how you built your files. Fusion 360 files with no design history will not be considered eligible entries.
8. Ensure that at least one PSB Academy logo, one Autodesk logo, and RearViz are visible on your render. The dimensions of the product are given. You can change the dimension according to your creativity as long as your final product projected a reasonable value for aerodynamics, user safety, aesthetics and durability. You can download files from the following link: (https://www.dropbox.com/sh/hjrngovt030nd2z/AACyvc7oj85HeOc1e2uE9AIOa?dl=0).

APPENDIX A: REARVIZ PRODUCT DESIGN