

# PACE

Partners for the Advancement of Collaborative Engineering Education



AUTODESK



Hewlett Packard  
Enterprise

ORACLE

SIEMENS

2017 PACE Forum Location: Tecnológico de Monterrey, Campus Toluca, Mexico

About Partners for the Advancement of Collaborative Engineering Education [PACE]

PACE, Partners for the Advancement of Collaborative Engineering Education, is a partnership between General Motors, Siemens PLM Software, Autodesk, Hewlett Packard and Oracle to support strategically-selected academic institutions worldwide established in 1999. The PACE mission is to develop Automotive Product Lifecycle Management [PLM] team of the future, by closing the gap between engineering education and practice. PLM is an integrated digital/parametric-based approach to a product's lifecycle, from design inception through manufacture, marketing, distribution, maintenance and into recycling, disposal, reuse, and sustainability.

PACE integrates game-changing math based tools and technologies into the creative design, engineering, and manufacturing curricula of key academic institutions, not only to develop students who are skilled in the latest industry PLM tools and technologies, but also to enhance the competitiveness of the universities in each country. PACE strives to align academic and industry expectations by helping students to acquire experience with math-based tools and processes through classroom instruction, lab assignments, and interdisciplinary collaborative projects within or among universities globally.

PSG Tech was selected into the elite club of 65 PACE institution across the globe on March 12, 2015 and has received in-kind support of software and hardware worth INR 1500 Crores.

Every 2 years, the PACE partners announce a global competition with relevance to future mobility. Six institutions (with a maximum of 20 students each) are formed into a team more than 100 students to mimic a real world product development.

The team presents their work every year at the Annual forum organized at one of the PACE institutions in the month of July. This year, the PACE Annual forum was held at Tecnológico de Monterrey, Campus Toluca, Mexico where 6 team participated and presented their work on the Portable Urban Mobility Assist (PUMA).

Our team (TEAM 5) includes

1. Centro Universitário da FEI (BRAZIL) – Team LEAD
2. PSG College of Technology (India) - Engineering School
3. Korea University (Korea) - Engineering School
4. National Institute of Design (India) - Design School
5. M.S.Ramaiah University of Applied Sciences (INDIA) – Design School



PSG Team at Tecnológico de Monterrey, Campus Toluca, Mexico

Team PSG on screen :- (From left) Surendar K, Velarasan V, Sanjeev R, Harshavardhan D, Mohamed Ashik A, Sendura Jeyandan SM, Jayganth R



Dr.Vass Theodoracatos, GM at Tecnológico de Monterrey, Campus Toluca, Mexico



Team 5 with Concept VITA

## PSG PUMA TEAM MEMBERS

S.No	Department	Student Name
1.	Automobile Engineering	Sanjeev R, Mohamed Ashik A, Prabhakar J
2.	Mechanical Engineering	Harshavardhan D, Vishnuvarthan P, Harish Guptha, Amudhan M, Jagadeesh E S, Lagnesh TS, Arvinth S, Jugal Balaji U, Muthushanmugam, Nithin, Gokul.
3.	Production Engineering	Sebastian P S, Akash Barathvaj, Vishnu Prashanth,
4.	Mechanical Engineering-SW	Muthukumar P, Daniel Nitin
5.	Production Engineering-SW	Navin Vijey Raj J
6.	Robotics and Automation	Soundarya L
7.	Electronics and Communication Engineering	Siddeshwar Ragavan
8.	Electrical and Electronics Engineering	Nithin Kumar
9.	Computer Science Engineering	Sivaram



#### AWARDS:

Team 5 - Siemens best PLM software Excellence Award



Siemens PLM Software Excellence Award

#### Best Technical Paper Presentation :

Harshvardhan D won 3rd prize in best technical paper presentation in Engineering Track for his paper of Sensing of Motorway Terrain for automatic suspension Adaptability & Localized terrain Mapping.



3rd Prize in Engineering Track

#### Travel Grants:

General Motors has provided funding for immediate distribution to support the PACE Portable Urban Mobility Access (PUMA) student travel to the 2017 PACE Annual Forum in Tecnológico de Monterrey, Campus Toluca, Mexico.

Dear PACE Institution Integrators and PUMA Team Leaders:  
We are pleased to announce that General Motors will provide funding to support the PACE Personal Urban Mobility Access (PUMA) student travel to the 2017 PACE Annual Forum in Toluca, Mexico.

Each of the 46 universities participating in the PUMA project may request up to \$1,500 USD per student, with a maximum of \$4,500 USD per school, toward student travel to the 2017 PACE Forum in Toluca. Each school will submit its own request for the student travel funds to GM via the PACE office.

Note: Students who request travel funding agree to attend all four days of the PACE Annual Forum, including the PUMA competition on July 24-25<sup>th</sup> AND the conference sessions July 24-27<sup>th</sup>. If students from the university do not attend the conference sessions, the PACE office will not process funding reimbursements.

Sincerely,  
The PACE PUMA Project Committee

Official Letter from PACE dated 24<sup>th</sup> May 2017

Future scope for PSG Tech students [2017-2018]:

- Course / Software competitions
- International job fair
- Networking for higher studies
- PACE collaboration and innovation challenge [CIC] project
- PACE global project competition: Personal urban mobility access [PUMA] project-Phase 2
- Paper presentation
- Poster presentation
- PUMA project grant
- Software certification
- Software training
- Travel grant

Reference: <http://pacepartners.org/>