

SME PRIMER 2020



 @SMEDlsuChapter

 @SME_DLSU

 sme@dlsu.edu.ph

ABOUT sme

The **Society of Manufacturing Engineers** or simply SME-DLSU is a student chapter of SME USA. It is the professional organization of the Manufacturing Engineering and Management program of De La Salle University. They major in either **Mechatronics and Robotics Engineering** or **Biomedical Engineering**. It serves to help MEM students as the next generation of innovators and Lasallian leaders in the Manufacturing and Biomedical industries.





Making the future together. Together.

EXECUTIVE BOARD

JULY 2020 -MAY 2021



John Sebastian Dela Cruz

President
john_sebastian_delacruz@dlsu.edu.ph



Jose Benito Tinhay

EVP Internals
jose_benito_tinhay@dlsu.edu.ph



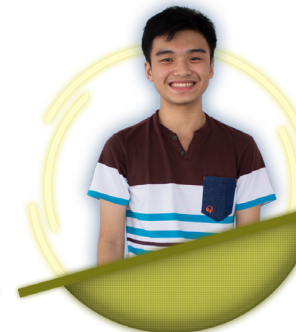
Miguel Lorenzo Corpus

EVP Events
miguel_corpus@dlsu.edu.ph



Reign Cristine Balajadia

EVP Creatives
reign_balajadia@dlsu.edu.ph



Alvin Ken Steven Chua Jr.

EVP Operations
alvin_chuajr@dlsu.edu.ph



Alexandra Mikaela Santos

EVP Finance
alexandra_mikaela_santos@dlsu.edu.ph



Lance Timothy Lim

EVP Externals
lance_timothy_lim@dlsu.edu.ph

VISION

The Society of Manufacturing Engineers, SME, is a community united in helping to mold **well-rounded engineers** who are the **forerunners in the advancement and development of the Philippine Manufacturing Industry.**

MISSION

Professional Development

To provide the means for the technical and professional development of members by organizing plant visits, seminars, career talks, and company talks.

Academic Excellence

To motivate students in achieving academic excellence through the provision of tutorials and reviewers and taking part in curriculum development.

Image Enhancement

To provide a means to increase the prestige and public awareness of the manufacturing, mechatronics, and biomedical industries by organizing exhibits, competitions, and other promotional activities through partnerships with various academic and industrial institutions.

Special Activities Development

To provide a means for the pursuit of special areas of interest such as sports and recreation, socio-civic relations, and religious activities.

THE MEM CURRICULUM

Flexibility. Innovation. Excellence. These are important qualities demanded from engineers in today's fast-paced and ultra-modern world, qualities that are developed through an engineering education that is modern, multidisciplinary, and enriched by world-class facilities and staff. The first of its kind in the Philippines, **Manufacturing Engineering and Management or MEM**, is an **interdisciplinary engineering course** that integrates **mechanical engineering, electronics and communication engineering, computer studies, and management** into a single four-year degree program that includes on-the-job training in distinguished manufacturing companies.





MAJOR ACTIVITIES

AXIS or the **Accelerating Exchange for Innovation Summit** is the premier yearly summit hosted by SME that brings together great minds and aims to promote awareness of the current breakthroughs in engineering. With various talks from both the **industry and academe experts** and **distinguished speakers**, it serves as an avenue for the **technical and professional development** of young innovators. This summit features various topics such as **Manufacturing and Biomedical Innovation, Robotics and Automation, Disruptive Technology (such as VR, AR, and 3D Printing), and Big Data**. In previous years, AXIS has over **700 participants** from different colleges all over the Philippines and has many distinguished speakers such as **Mr. Dado Banatao**, Father of Semiconductors in the Philippines, **Dr. Gonzalo Serafica**, co-founder of Xylos Corporation, a medical device company, and **Mr. Jean-Francois Darre**, the CEO of Fuse Lending Inc.

AXIS



Plant Visits



To provide a means for the technical and professional development of members, SME connects with **industry experts** and **hosting plant visits** for its members, who will soon also be part of the **manufacturing industry**. SME prides itself in organizing these outside-the-classroom learning experiences for all of its members. Recent plant visits include trips locally to **Laguna, North Luzon, and Cebu** visiting **Applied Machining, Toyota, Gardenia, Union Galva Steel, and Yokohama Tires**, while **international plant visits** include **Taiwan** and **Singapore**.

Apart from plant visits, SME regularly partners with external companies and organizations to hold seminars augment the lessons from the classroom. It is through these regular seminars that the organization is able to connect with its students and encourage them to excel in their studies. Some notable previous seminars include **MEM Career, Robotics, Startup, Engineers Tackling COVID-19, and Biomedical Seminar**.



Seminars

SME Week

SME Week is a week-long event upheld by the organization which also serves as a **fundraising event**. This event involves several fun activities for the members such as **breakout rooms, shirt-selling, and more!** This week-long event doesn't simply allow the organization to raise funds for various projects, but it also acts as a **team-building experience** having the members work together to achieve an extraordinary event.

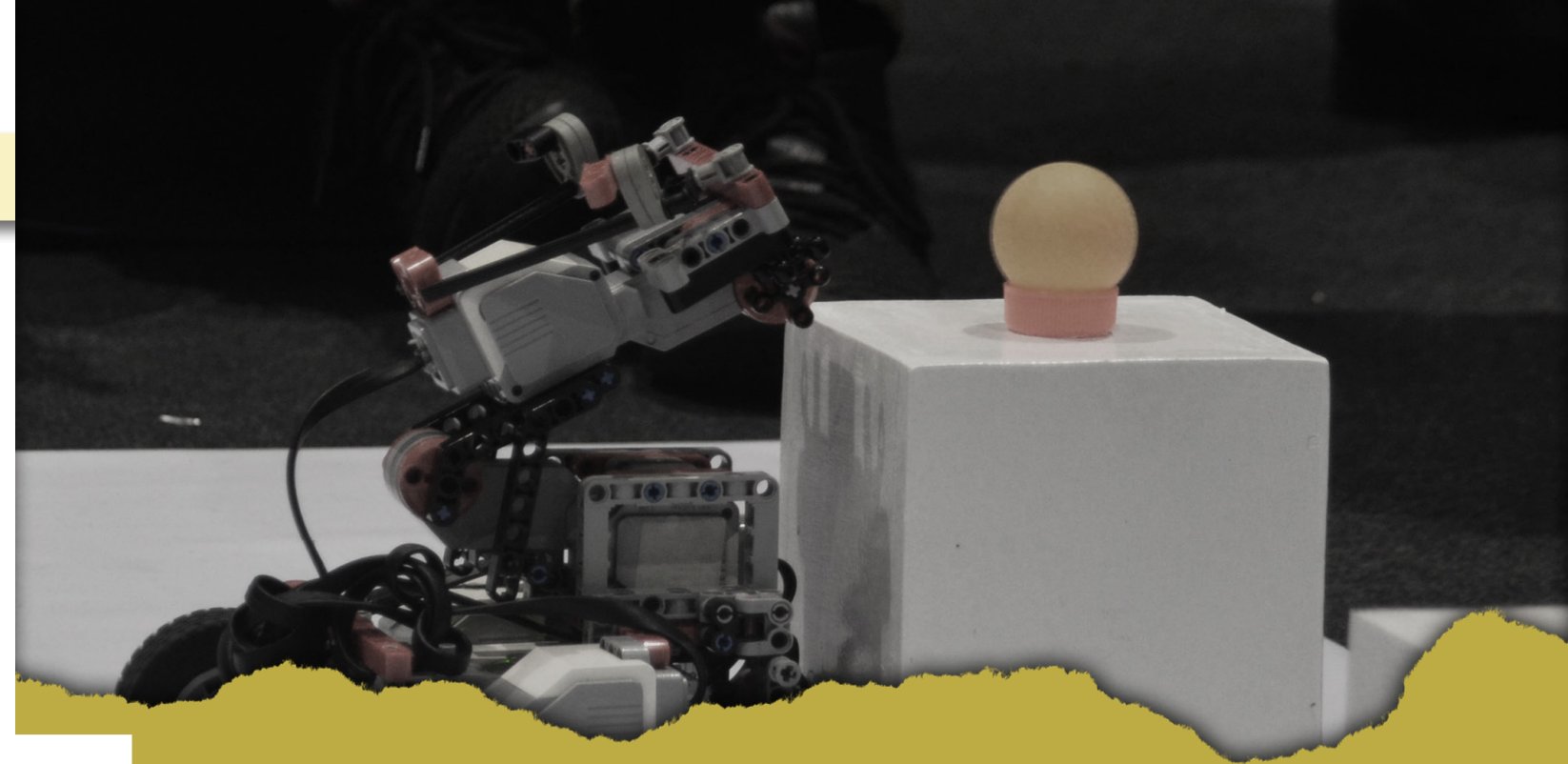


SME workshops invite experts in their fields to impart their knowledge and skill to the members in a hands-on activity setting. These events encourage members to step out of their comfort zone and engage in new interests, hobbies and even tutorials that will mold them into brilliant and eager engineers of the 21st century. The topic of the sessions varies from **technical**

skills such as **VR Welding** in partnership with **Hytec Power Inc., Industry 4.0** in partnership with **FESTO, 3D Printing and Modeling, Arduino and Robotics Workshop** -to **professional coaching** such as **Leadership Training, Resume Writing, and Thesis Writing seminars.**



Academic Workshop

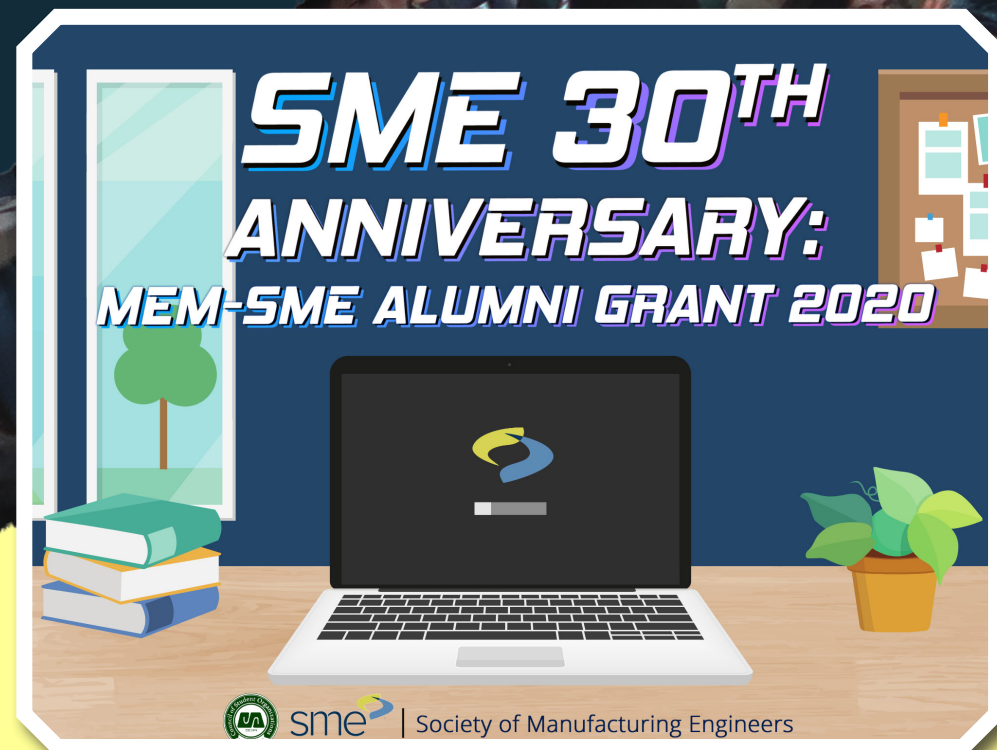


ROBOlympix PH

Robolympix PH is a national robotics competition that is open to all students of any age throughout the country. As a subevent of the yearly **Manufacturing Technology World**, one of the **largest and most comprehensive manufacturing technology trade show** in the country, our competition seeks to bridge the talents in robotics of young STEM students to the applications in real world manufacturing. Additionally, this event is in partnership with **Global-Link MP, SME Manila Chapter**, and other **SME students chapters**. Recently, in 2019, Robolympix has invited **over 300 participants** from **30 participating schools** around the Philippines where they competed in five different categories, namely **Sumobot, Puck Collect, Line Tracing, Mission Challenge (on the spot)**, and **Innovative/Creative Category**.

ONLINE ENGAGEMENT

Aside from the in-campus activities such as workshops, seminars, and other events, a lot of our activities are based on our **online engagement** especially through our **SME Facebook page**, and this online presence is evident during this quarantine. These types of events vary from **advocacies** such as the **30th Anniversary Alumni Grant, challenges, publications, tutorials, and discord game nights**, all of which create a holistic and interactive development within the SME community. One big publicity event included is **#ThesisMEM**, highlighting **award-winning** and **revolutionary theses** from the department.



Having a wide range of alumni presence since 1990, SME is currently celebrating its **30th Anniversary** by highlighting the many different alumni from the past and present. Due to the pandemic, one initiative that was set up by our alumni and SME is our **Alumni Laptop Grant** that **supports needing MEM students** especially in their transition to online learning during these hard times - having fundraised a total of **P185,000 for 5 laptops**. Additionally, further events to be done in celebration of this milestone includes **showcasing past and present alumni, students, and faculty of their achievements**, and a **Culminating Alumni Homecoming** celebrating the occasion.

SME 30TH ANNIVERSARY ACTIVITIES



| Society of Manufacturing Engineers