

Mechanical & Production Engineering Department – MPED

**Faculty of Engineering
University of Mauritius**

**PERSPECTIVE FOR ACADEMIA-INDUSTRY
LINKAGES**

Head of Department: D S Callychurn

Outline of Presentation

DEPARTMENT PROFILE – Academic Programmes

MPED STAFF PROFILE

MPED LABS & SERVICES

MPED VIRTUAL TOUR

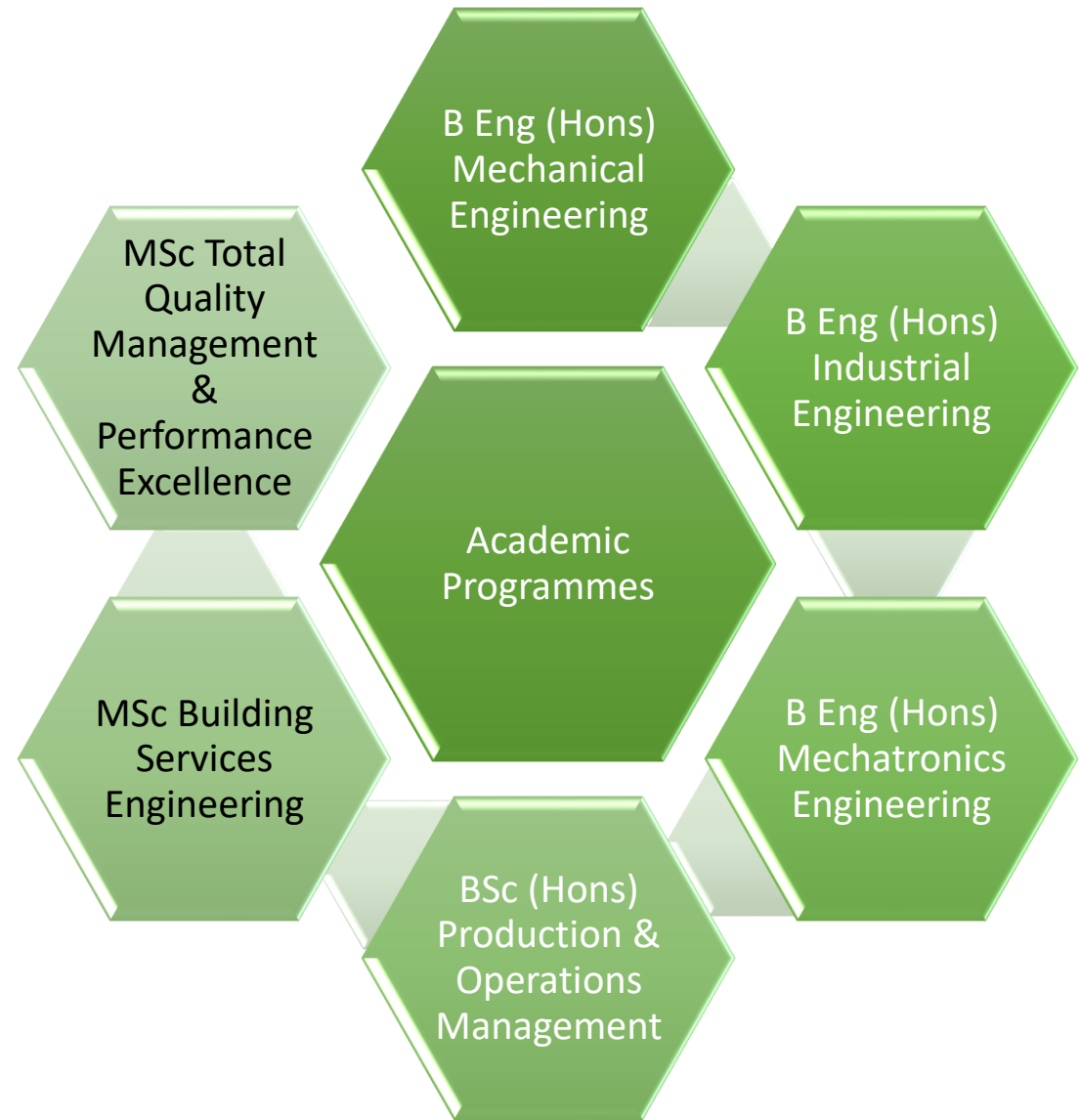
RESEARCH /CONSULTANCY TO THE INDUSTRY

SHORT COURSES/INTERVENTIONS IN THE INDUSTRY

MPED ROADMAPE FOR ENHANCED INDUSTRY COLLABORATION

MPED Profile

The Mechanical and Production Engineering Department (MPED) was set up in 1968 to support the industrial revolution in Mauritius. Since then, the Department has experienced continuous growth. Presently, it offers several undergraduate and postgraduate courses:



MPED Staff

Academic

- **Callychurn DS**
- **Chummun J**
- **Elahee M K**
- **Gooroochurn M**
- **Jankee P (Mrs)**
- **Khoodaruth A A H**
- **Ramasawmy H**
- **Sanasse L**
- **Seechurn Y**
- **Surnam BY R**
- **Toolsy B S**
- **Venkannah S**
- **Ramful R (On study leave)**
- **Hurreeram D K (Currently the Dean of FoE)**

Technical

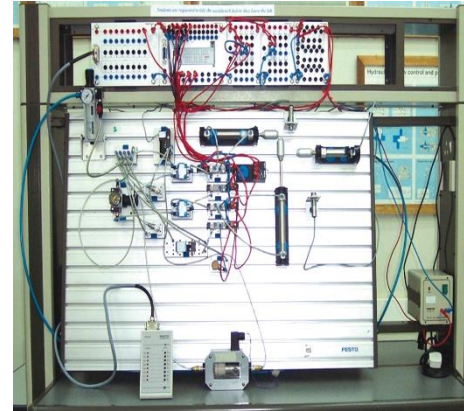
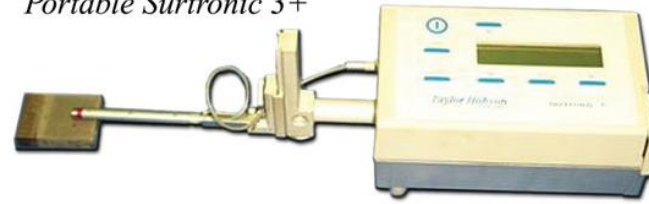
- **Manoga S**
- **Seetohul K**
- **Goburdhun Y**
- **Koosa-Purdhun N (Mrs)**
- **Mungur S (Mrs)**
- **Premier J A K**
- **Ramen S**
- **Ramsorun M**
- **Rioux L A L**
- **Tupsy K B**
- **Beekun M U R I Y**
- **Khosla V**

MPED Labs

- **Automotive Lab**
- **CAD-CAM Lab/ CAD Studio**
- **Robotics & Pneumatics Lab**
- **Mechanical Workshop & Machine Tools Lab**
- **Metrology & Tribology Lab**
- **Metallurgy Lab**
- **Structural Mechanics & Dynamics Lab**
- **Thermodynamics Lab**
- **Materials Lab**



Portable Surtronic 3+



MPED Virtual Tour

<https://drive.google.com/file/d/1x4x0YM09G1Hxti-UWBR9wDiLSD8u3rBk/view?usp=sharing>

Applied Research/Consultancy to the Industry

Materials

- **Materials and Corrosion**
- **Atmospheric Corrosion**
- **Bio-Materials for composite applications**
- **Natural Fibers**
- **Sustainable Materials**
- **Mechanical Properties testing**
- **Metrology & Metallurgy**
- **Surface Engineering**

Energy

- **Energy Management**
- **Energy Auditing**
- **Renewable Energy Systems**

Sustainability

- **Sustainable Manufacturing**
- **Circular Economy**
- **Smart Building Design**
- **Cleaner Production**
- **Green Supply Chain and Logistics Management**
- **Sustainability Indicators Frameworks**

Short Courses/Interventions in the industry

CNC Machine
Optimising- L
Sanassee.

Short Course on
Capacity Building
on Production
Management- D
Callychurn/D
Hurreeram

Short Course on
Eco-Efficiency
and Cleaner
Production – D
Callychurn

Tensile Test of
Fishing Line 0.9
mm- H
Ramasawmy

Short Course on
Introduction to
Artificial Neural
Networks with
Applications- M
Gooroochurn

Consultancy
Services for
Energy Pre-
Audit and
Training in
SMEs – A
Khoodaruth

Corrosion of
steel roof- Y
Surnam

Oil Jetty-
Corrosion in
pipes- Y surnam

Short Course on
Corrosion
Monitoring,
Testing and
Prevention- Y
Surnam

Short Course on
Corrosion
Monitoring,
Testing and
Prevention- Y
Surnam

Short Courses/Interventions in the industry

Energy Audits in Government Buildings- A Khoodaruth

Energy Audit for A/C & Lift Systems- A Khoodaruth

Short Course on ISO 9001:2015 Implementation for Organizational Performance -D Callychurn/D Hurreeram

Investigating the use of PET Plastic as Reinforces Fibre in Concrete Blocks- H Ramasawmy

Short Course on Fundamentals of Supply Chain Management in the Business Process Services Industry- D Callychurn/ D Hurreeram

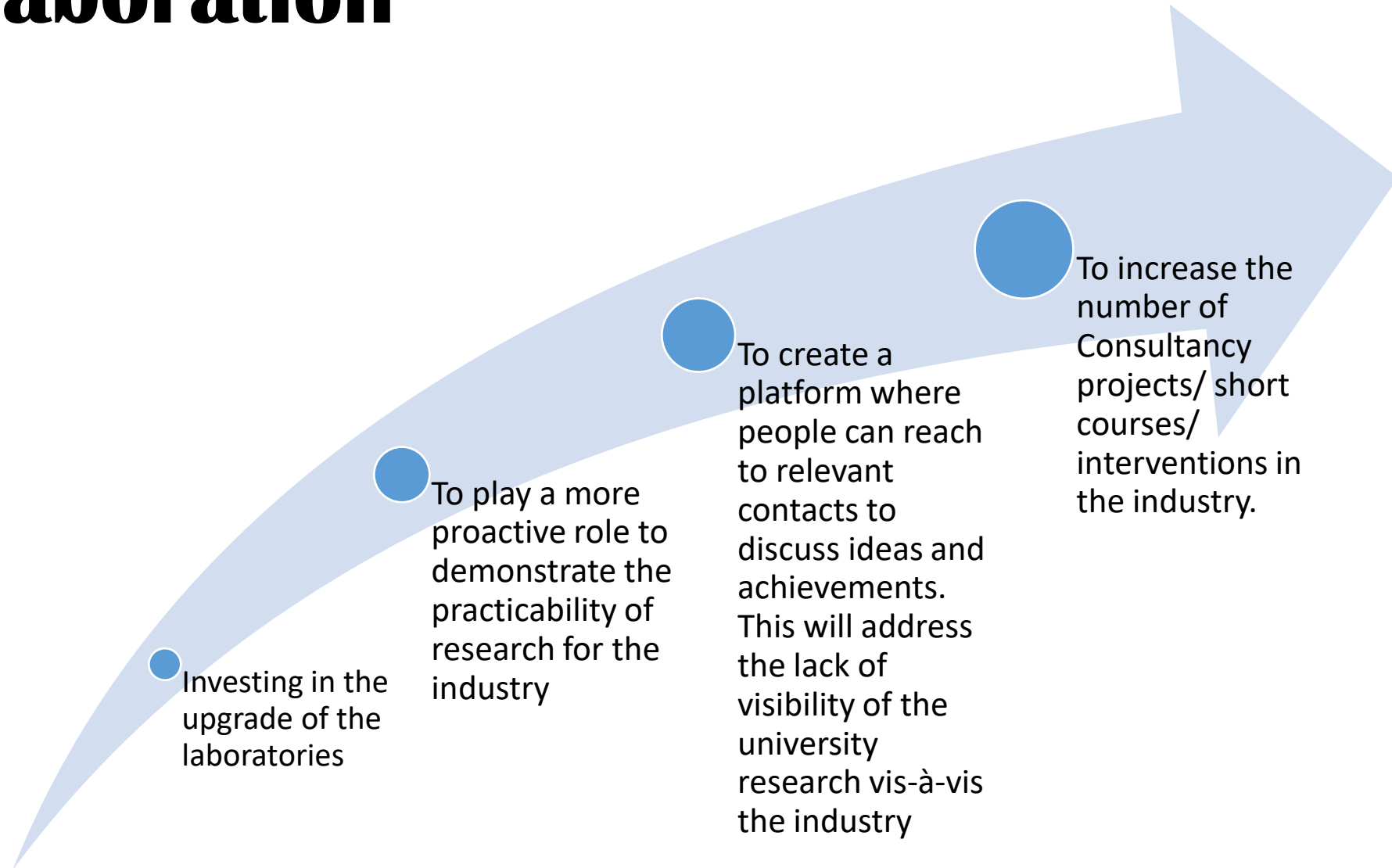
Short Course on Fluid Mechanics for Electrical Engineers, Technologist and Managers- Y Surnam

Short Course on Asset Management– A Khoodaruth

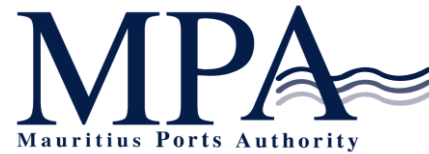
Short Course on Six Sigma Lean Management- D Callychurn/ D Hurreeram/H Ramasawmy

Leadership in the New Now: Resetting your organisation for the post-COVID future with creative leadership’- D Callychurn/D Hurreeram

MPED's Roadmap for enhanced industry collaboration



OUR MAIN COLLABORATORS/PARTNERS



ESQUEL GROUP



WORLD KNITS LTD



Thank you for your kind attention



<https://www.uom.ac.mu/foe/mped/>