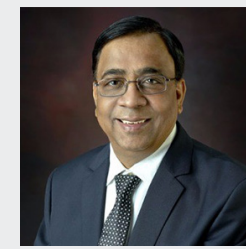




**Rajmata Shubhangini Raje Gaekwad**  
Honourable Chancellor



**Professor (Dr.) Parimal Vyas**  
Honourable Vice Chancellor

# 1<sup>ST</sup> VIRTUAL SOUTHEAST ASIAN STUDY GROUP MEETING ON INDUSTRIAL PROBLEMS (VSEASGMIP2020)

Organized By

Office of International Affairs, Department of Applied Mathematics, Mathematics and Statistics  
The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India

&



In collaboration with



Mathematics in  
Industry Community

**Study Group Meeting : 12<sup>th</sup> - 16<sup>th</sup> October, 2020**

Host:

**The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India**

Office of International affairs, Department of Applied Mathematics, Mathematics, and Statistics, MSU proposes to organize the 1<sup>st</sup> Virtual Southeast Asian Study Group Meeting at MSU in collaboration with south east asian countries.

## ABOUT PARTNERS

The office of International Affairs, MSU is working as a bridge between International institutions and our institution to promote academic exchange was created in 2012.

Southeast asian countries promote research in the area of Industrial Mathematics with the aim to produce new knowledge and train professionals to meet the needs of society and industry.

IMG at Department of Applied Mathematics, MSU; Department of Mathematics, IITB, Mumbai; LUT, Finland; OCIAM and OCCAM, UK; ITWM and University of KL, Germany, European Consortium for Mathematics in Industry (ECMI) have been working on the mission to motivate researchers in Applied Mathematics to work on more relevant and live industrial problems.

## ABOUT STUDY GROUP MEETING(SGM)

Study Group with Industry concept was pioneered at University of Oxford in 1960's. Later renamed as European Study Groups with Industry (ESGI) has become a successful model worldwide.

See: <http://miis.maths.ox.ac.uk/>

One of the objectives of the SGM is to give exposure to Research Scholars and young faculty to live industrial problems requiring mathematical solutions.

This can be achieved by SGM - Problem solving activity pertaining to specific raw problems coming from industries

## PLAN FOR THE MEETING

Scientists, Engineers, Economists, Managers, Financial Analysts and other user community will be invited to present their technical problems. It will be the endeavor of the participants to provide useful directions toward viable solutions for problems through intense sessions of brainstorming.

There will be emphasis on:

- Generating ideas which will eventually lead to a tangible methodology for problem solving as a short term objective.
- Evolving long term interaction between academic and industry with respect to research & development perspective.
- Developing a network of mathematicians and computational scientists dealing with industrial problems.

**PROBLEMS ON: Security Model, Yarn Image Analysis, Traffic Model, Climate Change, Financial Market, Medical Devices, Testing Chamber**

## PROGRAMME

Problem presentation by Industry participants, formation of working groups, problem solving sessions, preparation of mid-term progress report by each group, feedback analysis and presentation of final solution. We, therefore, invite to apply for participation in these important academic events. For registration please visit - <http://international-msubaroda.org/vseasgmip2020>  
E-certificate will be given to participants.

**PATRON :** Professor (Dr.) Parimal Vyas  
Honorable Vice chancellor, MSU, Vadodara, India

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## REGISTRATION

Registration fee : NIL

## DIGITAL PLATFORM

We shall use Zoom platform to conduct the Study Group Meeting

**Last Date for Registration:** October 12, 2020, 12:00 PM (IST). Details can be found on the VSEASGMIP 2020 website.

**VSEASGMIP 2020 WEBSITE:** <http://international-msubaroda.org/vseasgmip2020>

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