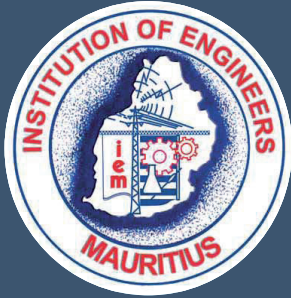




# ITEM NEWSLETTER

P O BOX 28 QUATRE BORNES - [www.iemauritius.com](http://www.iemauritius.com)

MAY 2016



## ITEM Council

2016-2017

*President*

**Raj Hemansing Prayag, PDSM**

*Vice President*

**Ghunshyam Parsan**

*Hon. Secretary*

**Aboo Bakar Peermamode**

*Hon. Treasurer*

**Abdel Khoodaruth**

*Council Member*

**Andre Chan Chim Yuk**

**Donald Dhondee**

**Nadia Daby-Seesaram**

**Shamshir Mukoon**

**Vikram Gunnoo**

**Shyam Ramsurrun**

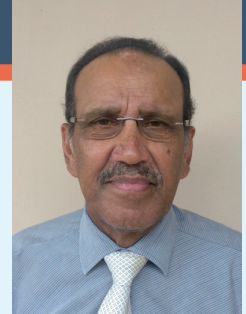
**Shridananda Daliah**

**Reshad Jeewon**

## MESSAGE

### From IEM President

RAJ H PRAYAG PDSM



Dear Colleagues

It is with pleasure that I am writing this message.

The message is in fact very simple, we, members of the newly elected Council for 2016/2017, will be devoting ourselves to the promotion, advancement and enhancing of the role of Engineers in our Society.

We know the Engineers' contribution to the sustainable development of Mauritius from the period of the earliest of settlement till today. You name it, from provision of essential services to being at the forefront of all innovations, Engineers have been the leaders.

For this reason, IEM will continue to lead the debate and discussions for **The Sustainable Development of Mauritius – Vision 2050**.

No, we are not dreaming, it is well known that for any project of magnitude, the lead time is between 20 to 25 years from conception to completion. If We, Engineers, want to lead, then we need to be forward looking - **visionaries**.

You will see in this Newsletter that we have set up various committees such as Education, Communications, Events, Membership, and Think Tank amongst others. Brief objectives of these committees are also given to provide you with an insight into things that have been initiated.

However, the most important link in the chain will always be **YOU**. With your involvement, your personal commitment, and your support, we shall restore the role of the Engineer, as the Innovator and the leader of Changes for a better **Mauritius - 2050**. We welcome and embrace you on board of IEM's drive, leading to a better Mauritius.

President

## IEM MEMBERSHIP & WELFARE COMMITTEE

**Composition** : Ghunshyam Parsan (Chair), Shridananda Daliah, Aboo Bakar Peermamode

### OBJECTIVES FOR 2016-2017

The Membership and Welfare Committee of the IEM has various roles and objectives. Some of the roles are ongoing, recurrent processes such as process new memberships applications, organize interviews, reply to queries from prospective members etc. Every IEM Council has a Membership Committee with at least these basic objectives. However, there are other objectives that are more strategic, with long term effects on the Institution.

For 2016 – 2017, the main objectives will be to increase the membership roll. There are 2 fronts on which the membership committee will act to this effect. On one hand, there is a need to communicate with young engineers to get them on board. Young engineers must have a platform to contribute to the profession, as well as rub shoulders with senior engineers. IEM offers this platform. This message has to be brought to them.

On the other hand, IEM has to improve on the value we bring to our members. There are a number of initiatives that will be implemented in 2016-2017 to bring value to IEM membership. This will not only improve the service to existing members, but will certainly pave the way to attracting new members.

\* In 2015 IEM had set up a training institution that delivers training courses to practicing engineers. The Membership Committee will work in collaboration with the Education Committee to identify the courses that best answers to the training requirements of our members, as well as work on a system for membership discounts on all IEM CPD courses.

\* In many cases, young graduates do not have access to mentors or supervisors at their workplace for the purposes of registration with CRPE. IEM is setting up a list of mentors, who will be senior IEM members willing to supervise the young members and assist them in their endeavor to become Registered Engineers

\* IEM can be a platform to allow the public to get access to the right engineers for their needs. IEM does not aspire to be a recruitment agency. However, a repertoire of engineers, with their specializations and specific competencies will be a valuable tool to the public in general, as well as to IEM members. It is our intention to post this information on our website

In addition, the Membership Committee will maintain its ties with the University of Mauritius by conducting talks on specific engineering topics, as well as assisting in the IEM Best Project Competition.

## Communication Committee

**Composition** : Raj Hemansing Prayag (Chair), Ghunshyam Parsan, Viren Proag, Abdel Khoudaruth, Donald Dhondee, Dinesh Hurreeram (members). This is an open ended committee.

The objectives of the CC are multi fold. IEM aims to promote the profession of Engineering through enhanced and sustained communication. IEM encourages the Engineers to communicate on what they are doing and of their contribution to the society. Engineers need to speak up.

The CC will be the Voice of the Engineers to articulate their professional opinions on issues of National Importance with regards to the nature and type of development the Nation is embracing.

Engineers will be encouraged to write articles in our newsletter, newspapers, on our Website and to speak at public forum.

There shall be three Newsletters published this year in May, August and December 2016.

Over and above this, there shall be the Annual Journal to be published on 13<sup>th</sup> September 2016 on the occasion of the Engineer's Day.

Our website will be revamped and IEM is aiming to make it interactive, although this might prove to be a long term project.

Finally, our ultimate aim is that all Engineers practising in Mauritius join IEM and be proud of IEM, as their flagship.

## BOARDS and COMMITTEES

Members of IEM who are currently serving as **IEM's** representative on various Boards and Committees:

**MSB Council:** Shyam Ramsurrun

**MSB Energy Efficiency Standards Committee (EESC):**

Shyam Ramsurrun

**MSB Metrology Main Standards Committee (MMS):**

Donald Dhondee

**MSB Environmental Main Standards Committee**

(EMSC), MSB Occupational Health & safety (OHSMSC), STDS/ Subcommittee on Sustainable Communities (SSC): Nadia Daby-Seesaram

**CEB Board:** Claude Wong So

**CRPE Council:** Claude Wong So and Shamshir Mukoon until 2016.

**Energy Efficiency Committee:** EEMO : Madoo Desha

**ICAC Construction Industry Anti-Corruption Committee**

Donald Dhondee and Raj Prayag (alternate)

**ICAC Education Committee:** Raj Prayag

**MCCI Arbitration and Mediation Centre MARC Council:**

Ghunshyam Parsan

**UOM Court:** Raj Prayag

## MSB STANDARDS TECHNICAL COMMITTEES JUNE 2014 – JUNE 2017

**MSB/TC 1 Building and Construction Standards Committee (BCSC):** Claude Wong So

**MSB/TC 3 Electrical Engineering Standards Committee (EESC) :** Shyam Ramsurrun

**MSB/TC 6 Mechanical Engineering Standards Committee (MES):** Abdel Koodaruth

**MSB/TC 7 Metrology Standards Committee (MSC):** Donald Dhondee

**MSB/TC 11 Environmental Management Standards Committee (EMSC):** Nadia Seesaram

**Standards / sub committees:**

**Occupational Health and Safety (SOHS)**

**Sustainable Communities (SSC)**

: Nadia Seesaram

## EDUCATION COMMITTEE

**Composition :**

Dr A Chan Chim Yuk (Chair), Nadia Seesaram, A Khoodaruth and S Ramsurrun (Members)

**IEM Professional Centre**

**MQA Approved Training Centre:**

Manager: Dr Andre Chan Chim Yuk

[achan3068@gmail.com](mailto:achan3068@gmail.com)

Program Officer, Mrs Nadia Daby-Seesaram

[nadia.seesaram@intnet.mu](mailto:nadia.seesaram@intnet.mu)

**Mission:**

To develop **CPD courses** for capacity building, promote the sharing of experience among engineers and assist recognized engineering institutions in achieving high academic standards in their respective engineering programs.

**Main objectives for 2016 – 2017**

1. Identify the CPD needs of engineers in all disciplines
2. Develop and run, on a regular basis, a series of MQA approved short courses
3. Strengthen collaboration with tertiary education institutions offering recognized engineering programmes
4. Equip a resource room at IEM House

We are pleased to announce that during 2016, the IEM Professional Centre proposes to offer the following MQA approved courses:

Course by R. Fayolle on Soft Starters - already advertised – **21 May 2016**

Course by N.Daby-Seesaram on Environmental Compliance for the Construction Industry - **August 2016.**

Course on Concrete Technology in **Nov 2016.**

## COURTESY VISIT TO H.E. PRESIDENT OF THE REPUBLIC OF MAURITIUS



The Council of IEM, represented by its Office Bearers as well as Ms. Nadia Seesaram paid a courtesy visit to Her Excellency Mrs. Ameenah Gurib-Fakim, GCSK, CSK, President of the Republic of Mauritius, Patron of IEM, on Thursday 26 May 2016.

This very cordial visit which lasted nearly 30 minutes was an occasion for IEM to brief the President of RM on the Institution of Engineers from its inception in 1948 to present day. IEM spoke about its future plans to be proactive in leading debates on projects of national Interests.

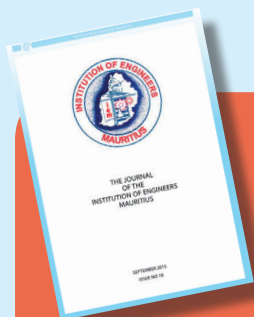
The President was full of encouragement for the Engineers to speak up and recommended that all technical publications from IEM be peer reviewed.

IEM presented the President of RM with copies of the IEM's Annual Journal of 2015.

## CPD COURSE RUN BY IEM

The Institution of Engineers (Mauritius) organized its first CPD course on **Soft Starters for Design & Maintenance Engineers on Saturday 21<sup>st</sup> May 2016**.

27 participants attended the first CPD course on Soft starters by Roland Fayolle. It was a real success. The feedback from those who attended was excellent and this now paves way to more courses being organized by IEM Training Centre



## IEM Journal

Contributions for forthcoming issue

visit

[www.iemauritius.com](http://www.iemauritius.com)

## Engineering for the Development of Mauritius 2050

(IEM Journal to be published on the occasion of the Engineer's Day on 13<sup>th</sup> September 2016)

The Engineering profession serves the community, in many ways, fire fighting, if need be to operate infrastructure daily. Otherwise, where would Mauritius be today, if dams, power stations, roads, telecommunications and other facilities had not been timely constructed or implemented. The Port Louis-Pont Fer motorway has gradually been converted into a 3-lane dual carriageway over a period of some 60 years; the capacity of Mare aux Vacoas dam has been increased several times between 1892 and 1961, for the benefit of Mauritius, but surely and certainly because some engineer studied the idea and the possibility of implementation before getting it approved by the political decision makers. 60 years ago, the Engineering Profession – though minute in number – had to carry out its homework. Presently, some retired engineers are asking themselves why we still have problems in handling the services required from many infrastructure facilities: traffic problems, intermittent water supply, uncertainty in energy supply, among other things. In 30-50 years' time, the young engineers of today will be senior citizens wondering why their generations did not think of improving facilities.

This is precisely the aim of this year's Journal of the Institution of Engineers: to jot down how the Engineers of today would like to see Mauritius in the future. The future starts tomorrow; implementation usually takes a bit longer. Even if the target of 2050 seems far away, it will be well to remember that apart from the works mentioned above, La Marie treatment plant, originally built in 1895, is still in use, as well as the Tamarind Falls power station, built in 1902.

For the forthcoming issue of the IEM Journal, we invite contributions on '**Engineering for the Development of Mauritius for 2050**' within the context of planning for the future. Many engineers have probably brainstormed about possible developments for the future of Mauritius. Why not share them through the IEM Journal! If we are lucky, we might end up advising the authorities, including the government on societal problems. If not, nobody should be able to point fingers at the Engineering profession: "You proposed Nothing !!"

### Target Dates

Authors submit Abstract (300 words)

**20 June 2016**

Final paper submission (maximum of 6000 words)

**31 July 2016**

Publication of the IEM Journal

**13 September 2016**

Contributions with details of the author(s) should be sent to the Chief Editor by email on the address below.

The Editorial Committee reserves the right not to publish or to edit, in consultation with the authors, any contribution received.

**Dr Virendra Proag**

**Chief Editor, IEM Journal**

**Tel: +230 4037813**

**Email: [vproag@uom.ac.mu](mailto:vproag@uom.ac.mu)**



## Think Tank committee:

Composition: S.Mukoon (Chair), R.H.Prayag, D.Dhondee (members).

As part of its activities, the IEM has constituted the Think Tank subcommittee to churn ideas and themes related to the engineering profession into papers, presentations, debates and workshops. The main themes retained so far include and are not limited to Anti-Corruption, Construction and Buildings, Ocean Economy, Road Infrastructure and Energy and Environment. The aim of this committee is to allow engineers to play an active role in the decision making process at policy level and contribute to sound economic development of the country through enabling engineering knowledge committee.

## Events Committee:

Composition: Vikram Gunnoo (Chair), , Deven Daliah Raj Prayag, Donald Dhondee (members )

**Site Visits , one per month** will be organized and scheduled preferably on Saturdays from 9am to 12am.

**Talks** at a frequency of one per month will be held as far as possible on Fridays from 5pm to 7pm

We are planning a visit at the end of May 2016 to UBP plant at Bambous 'Manufacture of Blocks and Aggregates' together with a Site Visit at Gros Cailloux with regards to the UBP Eco Building Concept.

## Attendance to international conferences in 2015

Nadia Seesaram , President IEM 2014-2015, was nominated by the World Federation of Engineering Organizations WFEO to attend, as an Observer, the 21st Session of the Conference of the Parties (COP21) and the 11th Session of the Conference of the Parties (CMPII) serving as the meeting of the Parties to the Kyoto Protocol; which was held from 30 November 2015 to 11 December 2015. During COP21, Nadia also attended the 9TH FOCAL POINT FORUM ON THE NAIROBI WORK PROGRAM and proposed WFEO's participation as a volunteer organisation in the new working group. She also attended the sessions on 'Resilience, Transport and Building' of the LIMA -PARIS ACTION AGENDA (LPAA). She also attended the Ocean Day held under the Rio Convention Pavilion of the COP21.

Deven Daliah and Abdel Khoudaruth attended the 30th Indian Engineering Congress of The Institution of Engineers (India) on the theme **"21st Century Engineering :The Make-in-India Pathway"**, hosted by the Assam State Centre in India from 17 to 20 December 2015.

In the margin of the conference, they met the outgoing and the current President of IEI namely, Dr LV Muralikrishna Reddy and Mr H C S Berry, respectively. They discussed about possible collaboration with IEM. Moreover, Deven and Abdel participated in an 'International Meet' which was held on 18 Dec 2015. The 'International Meet' was conducted by Dr Reddy and attended by selected dignitaries and members of delegations from The Institution of Engineers (India) and abroad as well. The dignitaries from overseas, who participated in the 'International Meet', included Mr Wimalasena Gamage, President and Mr A P R de Silva, Honorary Treasurer, The Institution of Engineers, Sri Lanka (IESL); Prof Jung Hoon Kim and Prof Heung Jae Lee, Vice Presidents, The Korean Institute of Electrical Engineers (KIEE); and IEM

representatives.

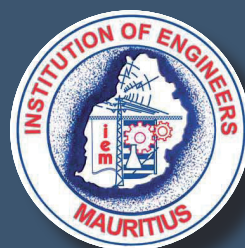
Dr LV Muralikrishna Reddy, stated that a lot of activities were held under the aegis of various international engineering organizations wherein, IEI delegation representing India had participated and a number of Agreements of Co-operation have been renewed between IEI and respective international engineering institutions. Mr H C S Berry, President-Elect, advocated that, in view of fast-changing economy of developing nations and technological developments being on fast-track, combined efforts needed to be made for finding solutions to the challenges in diverse fields.

## IEM Mentorship

Some IEM members have volunteered to mentor young Engineers until they achieve registration as per the guidelines set up by the Council of Registered Professional Engineers CRPE, namely :

D Gungadeen – MIEM, D K Domah – MIEM;  
I Essackjee - MIEM ;S Mukoon – MIEM ;A.B Peermamode MIEM and S Daliah – FIEM;.

Those interested to mentor are kindly requested to register with the secretary of IEM at [iem@intnet.mu](mailto:iem@intnet.mu)



**Institution of Engineers  
Mauritius,**

Corner of Ollier and Hitchcock  
Avenues, Quatre Bornes

E-mail : [iem@intnet.mu](mailto:iem@intnet.mu)