



Institution of Engineers
Malaysia

MDP Workshop

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Training for MDP Speakers At IEM PJ Office

Answers to FAQs

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Membership Growth challenges & Frequently asked questions ?????

General Questions :

- Why should I join IEM as Member ?
- What are the benefits of being IEM Member ?*
- How can I become a P Eng ? MIEM ?*
- Why should I become a P Eng ?*
- What are the benefits of a P Eng ?*



Answers to General Questions :

- Why should I join IEM as Member ?

If BEM is JPJ issuing driving licenses to car drivers, IEM is just like driving school teaching you the rules and regulations of traffics and coach you how to drive a car to qualify as a licensed drivers.



Answers to General Questions :

- ❑ What are the benefits of being an IEM member ?

There are many benefits of becoming an IEM member. With the qualification of MIEM, you are qualified to upgrade yourself to Professional Eng of BEM. You can acquire CPD and PDP with IEM courses and tech talks/visits at a very much reduced cost. You know many senior engineers and business contacts via networking in IEM. You can build your strengths and enrich your soft and technical skills when you serve IEM in many avenues.



Answers to General Questions :

- ❑ How can I become a P Eng and MIEM ?

Upon min of 3 years working experience in related engineering field under a P Eng(preferably) and registration with BEM as graduate engineer, you are eligible to apply for upgrade to P Eng via the IEM route of professional interview (PI) or going through the BEM professional assessment examination (PAE).

The training exp includes design, supervision, management of engineering works under the supervision of a P Eng.



Answers to General Questions :

- Why should I become a P Eng ?

To become a P Eng is a recognition of your professional qualification which is a growth in life.

To become a P Eng also can give yourself more options in your career development because you have more choices in your career. Being an employee or employer become your choice.

Engineers are professionals and we must continue to upkeep our profession and improve.



Answers to General Questions :

- ❑ What are the benefits of a P Eng ?

Besides professional recognition in our engineering society, different P Eng exp different benefits in their career, some get direct salary increments or special allowances; some get promotions; some even starting their own businesses to gain more benefits.

In additional to materialistic gains, we also bring benefits to the nation and society because of our self-improvements and contributions to the engineering works.



Questions from the Students :

- ❑ Why should I join IEM as Student Member ?
- ❑ *What are the benefits of being IEM Member ?*
- ❑ *How can I become a successful Engineer ?*
- ❑ *What are the subjects I should focus on studying Engineering ?*
- ❑ *What are the benefits of becoming an Engineer ?*
- ❑ *What are the recognized Engineering Degrees ?*



Answers to **the Students** :

- Why should I join IEM as Student Member ?

To join IEM as student member, you have an early start to engage yourself with the engineering society and know more up-to-date information about the development of engineering in our fast-running world.

You can participate in all IEM related activities via the Student Chapter and other platform to gain valuable knowledge in engineering and non-engineering.



Answers to **the Students** :

- Why should I join IEM as Student Member ?

You may find industry training easier to come by through your networking with senior members of IEM and your choice of training organization is easier to match.

You can find industry project research through the alliance-ship with IEM.

You can cultivate soft skills via the working relationship with the Young Engineers Section (YES).



Answers to **the Students** :

- Why should I join IEM as Student Member ?

You can learn more from the engineer role model in IEM and be prepared earlier than those not IEM student members.



Answers to **the Students** :

- How can I become a successful engineer ?

Besides your hardcore knowledge in science and mathematics, we must be good in communication which requires your proficiency in languages ie Bahasa, English and others.

Because of engineers knowledge and communication skills, one can solve problems more effectively, and engineers should be adaptable to environment in order to survive and come out better than other graduates.



Answers to **the Students** :

- How can I become a successful engineer ?

Leadership and teamwork are developed competencies which engineers should possess in order to lead and work with others to achieve bigger results.

Finally, engineers shall continue to upgrade their knowledge via life-long-learning program and be ready for challenges during the struggle in their career.



Answers to **the Students** :

- ❑ What are the subjects I should focus in studying engineering ?

You should focus on those core subjects in the respective engineering program. Choose the specialist subjects which you are very keen to develop your skills and prepare yourself for the future graduate study or research works.

Other knowledge you must gain are finance & accounting, Legal and law, and computing knowledge.



Answers to **the Students** :

- What are the benefits of becoming an engineer ?

According to study statistics, engineers normally earn a higher starting salary than many other professionals.

The career advancement for engineers are normally quite fast and the remunerations are better.

The employment opportunity for engineers is much brighter and the options in business and overseas employments for engineers are much easier.



Answers to **the Students** :

- ❑ What are the recognized engineering degrees ?

Engineering degrees are EAC accredited and it is a 4-year program.

Only recognized engineering degrees are accepted by BEM upon graduation.



Questions from the Graduates :

- ❑ Why should I join IEM as Graduate Member ?
- ❑ *What are the benefits of being IEM Grad Member ?*
- ❑ *Can IEM help me become a successful Engineer ?*
- ❑ *What is the difference between BEM and IEM ? Just register with BEM is sufficient ?*
- ❑ *What are necessary trainings for graduate Engineer ?*
- ❑ *What is the minimum training period for graduate Engineer to qualify for PI or PAE ?*



Answers to **the Graduates** :

- ❑ Why should I join IEM as Graduate Member ?

IEM is a learned society where you can continue to develop your engineering skills via networking with senior engineers in your respective field of study.

As a graduate member, you can participate in the YES activities and can even join the office bearer of YES to help out and at the same time develop your organizational skills, management skills, leadership skills, and teamwork spirits which are all very helpful in your career development !



Answers to **the Graduates** :

❑ Why should I join IEM as Graduate Member ?

In IEM, you can seek advise from the senior engineers on your professional development via a proper route and gain your MIEM and P Eng qualification much easier.

You can develop your career networking in IEM.

You can connect yourself to international engineering organizations via IEM such as ASEAN Engr Register, AFEO and many others.



Answers to **the Graduates** :

- Why should I join IEM as Graduate Member ?

IEM conduct many courses, talks, visits and many other activities at very attractive costs where you can gain knowledge and collect your PDP for the professional engineer application.

IEM library is available for you find your treasure with many technical references and standards both local and international.

Knowing people and building contacts is the key.



Questions from the Graduates :

- ❑ Why should I join IEM as Graduate Member ?
- ❑ *What are the benefits of being IEM Grad Member ?*
- ❑ *Can IEM help me become a successful Engineer ?*
- ❑ *What is the difference between BEM and IEM ? Just register with BEM is sufficient ?*
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Answer to **the Graduates** :

- What are the benefits of being IEM Grad Member ?
Can IEM help me become a successful Engineer ?*

There are many benefits of being IEM Grad Member but IEM cannot help you to become a successful engineer because you must be ready and prepared to learn all the necessary knowledge and skills to become better. The analogy is the same as one can lead the cows to the river, but he just cannot force the cows to drink water if the cows are not willing to do so.



Answer to **the Graduates** :

- *What are the benefits of being IEM Grad Member ?
Can IEM help me become a successful Engineer ?*

Certainly the Grad Member can be properly guided by IEM senior members to follow a proper route including the formal Log Book Training Scheme specially designed and catered for those Grad Engineers who work in engineering organizations without P Eng or P Eng not in the same discipline as the Grad Member.



Answer to **the Graduates** :

- ❑ *What are the benefits of being IEM Grad Member ?
Can IEM help me become a successful Engineer ?*

In IEM, Grad Members can cultivate relationship with senior engineers in the similar fields to seek employment opportunity and business opportunity.

This relationship can be extended to overseas via networking and links available in IEM



Answer to **the Graduates** :

- ❑ *What is the difference between BEM and IEM ? Just register with BEM is sufficient ?*

BEM is a regulatory body who is the authority to ensure professional practices by all engineers in the industry. Register with BEM as graduate engineer 6 months upon graduation from university and working as an engineer in the market is a must for all graduates. Engineering training experience gained is recognized only upon registration with BEM.



Answer to **the Graduates** :

- ❑ *What is the difference between BEM and IEM ? Just register with BEM is sufficient ?*

IEM is a learned society for all engineers and non-engineers (Technical graduates or graduates from unrecognized engineering degrees or diploma holders) as a platform for socialization and networking, exchange of engineering opinions and technical knowledge.

IEM provides many training courses and technical talks to members and non-members to enrich their knowledge in engineering and prepare the graduates to seek



Answer to **the Graduates** :

- What is the difference between BEM and IEM ? Just register with BEM is sufficient ?*

Professional engineering qualification.



Answer to **the Graduates** :

□ *What are necessary trainings for Graduate Engineers ?*

The practical training required for graduate engineers are Design, Supervision, Management of engineering works and any other engineering works.

The graduates are also required to have the communication skills to translate all their knowledge into reports and be able to explain comprehensively in words to the audiences. Therefore oral and written skills are essential to the training.



Answer to **the Graduates** :

What are necessary trainings for Graduate Engineers ?

Besides the core competencies as required in engineering works, graduate engineers are also required to understand and practice engineering professionalism with strong ethical values in their work. Engineers shall be honest, responsible and ensuring public interest and safety, environmental issues are in their top priority when they design and execute engineering works.



Answer to **the Graduates** :

- ❑ *What is the minimum training period for graduate engineers to qualify for PI or PAE ?*

Minimum 3 years registration with BEM's PAE

IEM's PI allows registered graduate engineers with BEM to have some options of the years of experience in the engineering industry but not less than 3 years.



Questions from the Members :

- ❑ Why should I join IEM as MIEM ?
- ❑ *What are the benefits of being a MIEM ?*
- ❑ *Is IEM linked to International Professional Organizations ?*
- ❑ *What is CPD ? Is CPD meant for BEM only ?*
- ❑ *What is the latest amendments to Engineers Act ?*



Answers to **the Members** :

- Why should I join IEM as MIEM ?

Even with a P Eng qualification, its better to be MIEM because there is another upgrade for your professional status Fellow Member.

IEM provides very attractive paid courses and talks with CPD for P Eng and recognized by BEM. P Eng requires to acquire 50 hours of CPD every year.

Networking among senior engineers to explore opportunity in business and employment.



Answers to **the Members** :

- Why should I join IEM as MIEM ?

MIEM continues to develop their business networks and skills in management to further career advancement via proper and effective channels.

MIEM can improve their quality of life through learning from organizing IEM activity. It is a very good and effective learning ground for all members.



Answers to **the Members** :

□ *What are the benefits of being a MIEM ?*

Engagement with IEM will connect yourself to different expertise in engineering.

There are many senior engineers in IEM willing to share their success stories and become your role models in many professions and industry.

Again, this is a place to know more influencing people and building strong network.



Answers to **the Members** :

- Is IEM linked to International Professional Organizations ?*

Yes IEM is linked to many international professional organizations and research centres.



Answers to **the Members** :

❑ *What is CPD ? Is CPD meant for BEM only ?*

CPD is continual professional development points a professional should acquire every year to keep your technical knowledge abreast with the industry.

Yes BEM requires all P Eng to acquire a min CPD of 50 points per year via attendance to technical and engineering courses, talks, reading engineering papers/journals, conducting seminars, research papers writing, and any activities related to the upkeep of engineering knowledge.



Answers to **the Members** :

□ *What is the latest amendments to Engineers Act ?*

Engineers Act has been amended and implemented wef 31 July 2015 in view the changing engineering professional practice in the country as well as in the world.

Most practicing professional P Eng are affected by the new act because BEM introduced another category of Professional Engineers who are authorized to submit plans to local authorities like local councils and government ministries/departments/agencies.



Answers to **the Members** :

- ❑ *What is the latest amendments to Engineers Act ?*

Professional Engineers who registered after 31 July 2015 are required to sit for another Competency Examination to be conducted by BEM before they can become a Principle Submission Person with Professional Practicing Engineer. In other words, these are Licensed P Eng.

All existing P Eng are transferable to Licensed P Eng within 12 months from the effective 31 July 2015.



Answers to **the Members** :

□ *What is the latest amendments to Engineers Act ?*

Should existing P Eng fail to transfer within the grace period (ie 31 July 2016), they have to sit for the CE if they wish to return to Licensed P Eng status.