SALUTATION

Our Guest Speaker,
Yang Berbahagia Dr. Hari Narayanan,
Managing Director, Motorola Solutions Malaysia Sdn Bhd;

Yang Hormat Dato’ Zaul Abdul Hamid,
Director, Malaysian Investment Development Authority (MIDA), Pahang;

My colleagues from UMP:

Yang Hormat Profesor Dato’ Dr. Rosli Mohd. Yunus,
Deputy Vice-Chancellor (Academic & International);

Senior Officers, Deans, Directors and Heads of Departments;
Fellow academicians,
representatives from the public and private sectors;

Dear students, ladies and gentlemen.

Assalamualaikum warahmatullahi wabarakatuh,
Salam Sejahtera,Salam 1Negaraku Sehati Sejiwa
and a very good afternoon.

1. First and foremost, I have great pleasure in extending my warmest
greetings and welcome to all of you to this edition of CEO@Faculty
Programme this afternoon here at the Pekan Campus of Universiti
Malaysia Pahang.

2. When the Ministry of Higher Education introduced the CEO Faculty
Programme in 2015, the intention was to bring Malaysia to greater
heights by combining the knowledge and experience of both the
industry and academics.
3. Hence, CEO@Faculty Programme enables a constructive intellectual engagement between the renowned captains of industry and the university community whereby the CEOs would play their role as guest lecturers or participating in panel discussions or even co-teaching in the lecture halls.

4. We must acknowledge the fact that dynamism in the way we think, the way we act and the way teaching and learning process is carried out is the way forward for our higher education system.

5. The approach in teaching and learning for example, must not be confined within the traditional setting, thus the introduction of the CEO@Faculty Programme is an innovative attempt to enhance knowledge and information gathering by our students through their interaction with the leading figures of the industry.

6. Not only that this approach is unconventional, it also provides our students with the opportunity to see things from the practical perspective through their direct assessment of the invaluable experience of the invited CEOs and the operationalization of the theories which they have learned in the lecture halls and laboratories from their professors within real industrial setting.
7. This is also significant in enhancing the academic experience of our students and in the context of the implementation of UMP Strategic Plan 2016-2020, I believe that CEO@Faculty Programme is one of the enablers for our first strategic leap, namely Academic Prominence.

8. Therefore, I would like to take this opportunity to express my heartfelt appreciation for your participation and interest in events of this sort and nature, an avenue for knowledge dissemination in a more casual, interactive and less formal approach.

9. **Ladies and gentlemen,**

Dr. Hari Narayanan is no stranger to UMP. Being one of the CEOs assigned by the Ministry of Higher Education to this university, Dr. Hari Narayanan has played significant role in enhancing UMP’s strategic network with the industry, especially with Motorola Solutions Malaysia Sdn Bhd.
10. With his industrial know-how, corporate experience and distinguished career with Motorola for the past 25 years, Dr. Hari Narayanan is the right person to enlighten us on the topic of this afternoon’s public lecture which is “Industry 4.0: Manufacturing and Product/Solutions Perspectives”.

11. The term Industry 4.0 was first publicly introduced in 2011 as “Industrie 4.0” by a group of representatives from different fields including business, politics, and academia under an initiative to enhance the German competitiveness in the manufacturing industry. The German federal government adopted the idea in its High-Tech Strategy for 2020.

12. The original vision of Industry 4.0 was detailed out in the first set of recommendations by a team of German experts to the German federal government that specifically pointed out the development of Cyber-Physical Systems that comprise “smart machines, storage systems and production facilities capable of autonomously exchanging information, triggering actions and controlling each other independently. This facilitates fundamental improvements to the industrial processes involved in manufacturing, engineering, material usage and supply chain and life cycle management.”
13. In his article entitled “What Everyone Must Know About Industry 4.0” which was published by *Forbes* on June 20, 2016, Bernard Marr laid down the four pre-requisites of an Industry 4.0 system namely Interoperability, Information Transparency, Technical Assistance and Decentralized Decision Making.

14. This development comes not without challenges. Systemic lack of experience and manpower to create and implement the new systems and general reluctance from stakeholders and investors to invest heavily in new technologies are among the top concerns raised by the advocates of Industry 4.0.

15. These issues I believe, will also be addressed by our guest speaker this afternoon since Industry 4.0 as we have heard earlier, involves major technological transformation in manufacturing, production and technical solutions. How industries at present can cope with the demands and pre-requisites of Industry 4.0 is an interesting question and I shall leave it to be dealt by our guest speaker shortly.
Ladies and gentlemen,

Dr. Hari Narayanan was appointed to his current position on the 1st of July, 2014 with the responsibility for the company’s operations at its Penang site that includes supply chain, R&D and Global Solutions & Services Center.

Dr Hari graduated with a 1st Class Honours in Mechanical Engineering from the Manchester Metropolitan University, UK in 1982. He obtained his PhD from the University of Manchester in 1985 and subsequently joined the same university as a full-time academic staff. After a six-year stint at the University of Manchester, he left the academic world and joined Motorola Malaysia in 1992.

Dr Hari Narayanan is the Fellow of the Institution of Mechanical Engineers (FIMechE). He is also affiliated to the Institution of Engineering & Technology (MIET), Management Institute of
Malaysia (MIM) and Collaborative Research in Engineering, Science and Technology (CREST). He was awarded the prestigious Public Bank-MIM Senior Manager of the Year in 2007 for practicing exemplary management and leadership and contributing significantly to his organisation and industry.

19. **Ladies and gentlemen,**

I must admit that I have been eagerly anticipating this event for months and we are indeed very privileged to have you, Dr. Hari Narayanan to be here with us today to enlighten us on the topic.

20. **With that brief introduction, ladies and gentlemen, please join me in giving a big round of applause to welcome our guest speaker for this edition of CEO@Faculty Programme, Dr. Hari Narayanan.**

Thank you.