



SEKOLAH TINGGI AGAMA ISLAM NURUL IMAN (STAINI)

PARUNG - BOGOR

Berdasarkan Surat Keputusan Direktur Jenderal Pendidikan Islam No: Dj.I/302/2008 Tanggal 04 September 2008
TERAKREDITASI Berdasarkan Surat Keputusan Badan Akreditasi Nasional Perguruan Tinggi
Nomor: 023/BAN-PT/Ak-XIII/S1/XI/2010 Tanggal 29 Oktober 2010

Jl. Nurul Iman No. 01 Ds. Waru Jaya Rt. 01/01 Kec. Parung Kab. Bogor Jawa Barat Indonesia Telp. (0251) 542878 website: www.nuruliman.or.id

Nomor : 544/A2.A2.01.01/01/STAINI/XI/2017 Parung, 13 November 2017

Lampiran : -

Perihal : **Permohonan Menjadi Nara Sumber Stadium General
STAI Nurul Iman Parung Bogor**

Kepada Yth :

Dena Hendriana, BSc., SM., Sc.D

di

Tempat

Assalamu'alaikum Warahmatullahi Wabarakatuh

Salam silaturahmi kami sampaikan semoga Bapak selalu dan senantiasa dalam
lindungan Allah SWT serta sukses selalu dalam menjalankan aktifitas sehari-hari. Amin

Dalam rangka Agenda Kegiatan **Stadium General Sekolah Tinggi Agama Islam
Nurul Iman Tahun 2017** yang Insya Allah akan dilaksanakan pada :

Hari / Tanggal : Senin, 27 November 2017

Waktu : Pukul 09.00 – 12.00 WIB

Tema : **"Memperkokoh Rasa Kebangsaan di Era Revolusi
Industri Ke-4 "**

Tempat : Aula STAI Nurul Iman

Oleh karena itu, demi kelancaran agenda tersebut mohon kiranya Bapak berkenan
untuk menjadi Narasumber Stadium General Sekolah Tinggi Agama Islam Nurul Iman.

Demikian surat permohonan ini kami sampaikan atas perhatian dan kerjasamanya
kami haturkan banyak terima kasih. Semoga Allah SWT senantiasa melimpahkan Rahmat-
Nya kepada kita semua. Amin

Wassalamu'alaikum Warahmatullahi Wabarakatuh

Pembantu Ketua I Bagian Akademik

Sekolah Tinggi Agama Islam Nurul Iman



Ali Mutakin, MA.Hk

Assignment Letter/Surat Tugas

No. AL/MME/602/XI/17
Date 13 November 2017
Page 1 of 1
Doc. Type Main Document / *Dokumen Utama*

Dena Hendriana, B.Sc., S.M., Sc.D.

Activity Assignment

Penugasan Kegiatan

Dean of the Faculty of Engineering and Information Technology

Dekan Fakultas Teknik dan Teknologi Informasi

In consideration of:

His appointment as the Dean of the Faculty of Engineering and Information Technology under agreement no. SK/014/Y-SGU/X/17

Mengingat:

Pengangkatannya sebagai Dekan Fakultas Teknik dan Teknologi Informasi di bawah perjanjian no. SK/014/Y-SGU/X/17

Herewith permits to

Dengan ini menugaskan kepada

Name/*Nama:*

Dena Hendriana, B.Sc., S.M., Sc.D.

Position/*Jabatan:*

Head of Master of Information Technology/ Ketua Jurusan Magister Teknik Mesin

Faculty/*Fakultas:*

Engineering and Information Technology/ Teknik dan Teknologi Informasi

To participate as a participant on the following activity:

Untuk berpartisipasi sebagai peserta pada kegiatan berikut ini:

No	Event / Acara	Organizer / Penyelenggara	Date / Tanggal	Venue / Tempat
1.	Stadium General	STAI Nurul Iman	Mon, 27 November 2017 / 09.00 – 12.00	Aula STAI Nurul Iman Parung Bogor

Immediate Supervisor / Pemberi Ijin:



Dr. Irvan S. Kartawiria, S.T., M.Sc
Dean of Faculty Engineering and Information Technology
Dekan Fakultas Teknik dan Teknologi Informatika

**Organizer's Chop&Signature/
Stempel&Tanda tangan Penyelenggara**

(.....)

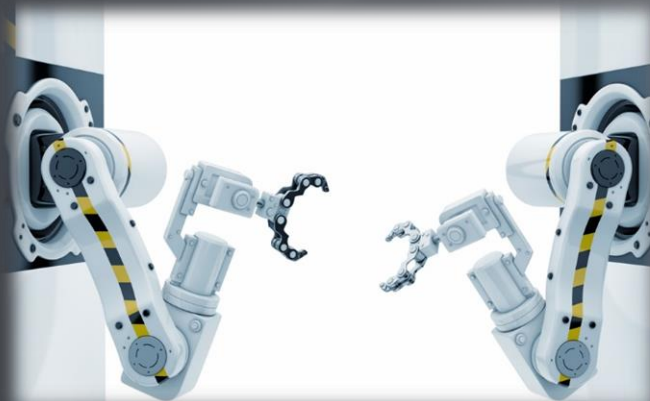
Prepare Yourself for Industry 4.0

By:

Dr. Dena Hendriana

Head of Master of Mechanical Engineering (MME)

Swiss German University (SGU)



Biodata

Dr. Dena Hendriana



Education

- Bachelor of Science, Northeastern University, Boston, USA, 1992
- Master of Science, Massachusetts Institute of Technology, Cambridge, USA, 1994
- Doctor of Science, Massachusetts Institute of Technology, Cambridge, USA, 1998

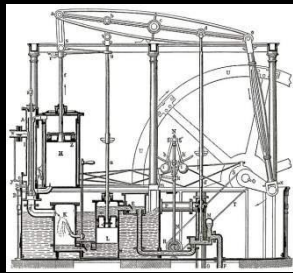
Working Experience

- Swiss German University, Tangerang, 2015 – now
- Surya University, Tangerang, 2013 – 2015
- Ford Motor Company, Michigan, USA, 2011 – 2013
- EXA Corporation, Michigan, USA, 2005 – 2011
- PT. JSU, Depok, 2003 – 2005
- Chrysler, Michigan, USA, 2000 – 2003
- General Motors, Michigan, USA, 1998 – 2000

Military Education / Menwa

- Diksar Menwa (Halilintar V), Dodiklatpur Rindam Jaya – TNI AD
- Provost Menwa SGU (2016 – 2017)
- Bid Org IARMI komsat SGU (2017 – 2020)
- Brevet: Hirbak Mahawarman, Scuba Lakespra TNI AU, HUET Lakespra TNI AU

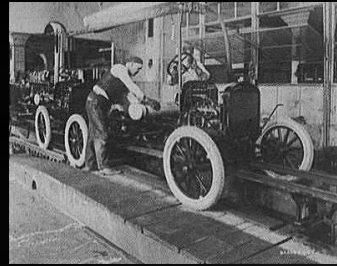
Industrial Evolution



1. Industrial revolution
Introducing mechanical production machines powered by water and steam

Industry 1.0

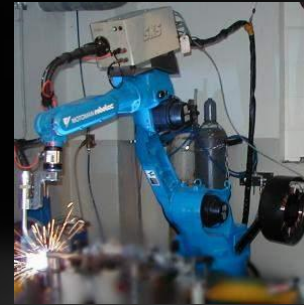
End of the 18th century.



2. Industrial revolution
Introducing mass production lines powered by electric energy

Industry 2.0

Beginning of the 20th century



3. Industrial revolution
Through the use of electronics and IT further progression in autonomous production

Industry 3.0

Beginning of the 70th



4. Industrial revolution
Based on cyber-physical-systems

Industry 4.0

Today

↑
Level of complexity

Phases of earlier 3 Industrial Revolutions

1. 1760 to 1840 - Ushered in Mechanical production; railways and steam engine
2. 1870 to 1940 - Mass production; electricity and assembly line
3. 1960 to 2010 - Computers; semi conductors, main frame computing, personal devices, internet

