INFORMATION ABOUT VITASK 2022 TRAINING COURSES

Thời gian học: buổi sáng các ngày trong tuần từ 01-12/8/2022

(học từ Thứ 2 đến Thứ 6, nghỉ Thứ 7 và Chủ nhật).

Automotive Part: **Mechanical(automotive) parts quality control**

Contents

Chapter 1. Quality Control of Automobile parts

Chapter 2. Minitab basic practice

Chapter 3. Statistic quality control

Chapter 4. Minitab of DMAIC

Teacher:

Resume

Name	Park Hyung-Bae		**TEL**	010-2443-6617		
소 속	Gyeonggi College of Science and Technology	**부 서**	Automotive Eng.	**직 위**	Professor	
전공 분야	Mechanical Eng.	**최종학위**	Ph. D	**E-mail**	hbpark@gtec.ac.kr	

학력 (대학 이상)	**졸업년도**	**학교명**		**전공**
	1986	서울과학기술대학교		Mechanical Eng.
	1989	홍익대학교		"
	2001	홍익대학교		"
주요 경력	**근무처**	**부서**	**직위**	**근무기간**
	Gyeonggi College of Science and Technology	Automotive Eng.	Professor	2005.03.02~now
	IMECHA		CEO	2002.4.28~2004.12.14

Dept. of **Automotive Engineering**

The automotive industry is one of the world's leading industries. Accordingly it has become a central industry in Korea. Using the latest educational mateiar ls and practical experiences, we are producing future automotive experts. We also offer a customized special automotive technology courses for military officers in cooperation with the Korean Army.

▸ MAJOR INDUSTRIES OF EMPLOYMENT

Hyundai-Kia Motors, GM Korea, GM Korea, Renault Samsung, Korea Automotive Assessment Service, Samsung Insurance, LIG Insurance, Dongin Automotive(foreign company), Hyundai Oil Bank, Duwon Air Conditioning, Engine Tech, Blue Planet, Sun-tec Korea

▸ CAREER PATH

The first and second vendors of car manufacturers, Objective compensation business (Samsung, Hyundai, LIG, Dongbu, etc.), First-class car repair shop, Technical NCOs and civilian employee of the military, Transfer to third military academy, automotive and machinery industrial administrative departments, Field of CAD/CAM/CAE.

▸ MAJOR SUBJECTS

Automotive Engines, Automotive Chassis, Automotive Electronics and Electrical Systems, Automotive Inspection, Special-Purpose Vehicle Comprehensive Practice, Future Vehicle Comprehensive Practice, Construction Machinery Engineering, Alternative Energy Engineering, Auto-NIE

▸ RELATED CERTIFICATES

Automobile Mechanics, Production machinery engineer, Mechanical Assembly engineer, Mechanical Designer, Mechanical maintenance engineer, Computer application engineer, Industry safe engineer.

Electronic Part: **Standard process for developing electric products considering quality**

Contents

Chapter 1. Curriculum orientation

Chapter 2. Fundamental concept of Automotive Quality Management

Chapter 3. General Information for Development of Automotive Electrical Products

Chapter 4. Standard Process for Developing Automotive Electrical Products

Chapter 5. V&V and Testing for Automotive Electrical Products

Teacher:

Resume

Name	Byoung Kyu, Park		**TEL**	+82-10-7634-7517		
소 속	SPID Co., Ltd.	**부 서**	Engineering Division	**직 위**	Principal Consultant	
전공 분야	Automotive Engineering	**최종학위**	Master's Degree	**E-mail**	b7981@hanmail.net / pbk@espid.com	

학력 (대학 이상)	**졸업년도**	**학교명**	**전공**
	Aug. 2009	Hanyang University (Master)	Computer Engineering
	Feb. 2006	Korea Polytechnic University (Bachelor)	Mechatronics Engineering
	Feb. 2003	Yuhan College	Computer Control Engineering

근무처 / 부서	**직위**	**활동내용 (경력사항)**	**근무기간**
SPID Co., Ltd. / Engineering Division	Principal Consultant	1. ISO 26262 & A-SPICE consulting and training performed. - Hyundai Kia Motors Group, LG Group, SK Hynix, Mando, Nextchip, LS Automotive, etc. 2. Design and safety analysis service - Automotive System/Hardware/Semiconductor field 3. Hyundai-Kia Motors ISO26262 standard guideline and template development	Mar. 2015 ~ Current
Gyeonggi University of Science and Technology / Department of Mechanical Engineering	Part-time lecture	Microprocessor and Digital Circuit Engineering Lecture	Sept. 2015 ~ Dec 2015
TE Connectivity. Ltd / Seoul R&D Smart sensor	Senior Researcher	Advance research and development of smart sensors for vehicles : Hardware design & Firmware coding (C/C++).	Mar. 2010 ~ May. 2014
Poongsan System. Co., Ltd / R&D center	Senior Researcher	Development of industrial high voltage copper foil printing equipment : Hardware design & Firmware coding (C/C++).	Feb. 2009 ~ Feb. 2010
KMI System. Co., Ltd / R&D Hardware	Assistant Researcher	Development of vehicle electronics test equipment and customer-specific control devices : Hardware design & Firmware coding (C/C++).	Oct. 2005 ~ July. 2008
Seetech System. Co.,Ltd / R&D Team	Researcher	Support for vehicle sunroof controller development and production : Hardware design & Firmware coding (C/C++).	July. 2002 ~ Feb. 2004

[QUALIFICATIONS]

1. FSCAE (Certificate Functional Safety Certified Automotive Engineer, TÜV NORD)
2. SC-AFSP (Semiconductor Automotive Functional Safety Professional, SGS TÜV SAAR)
3. Automotive SPICE Provisional Assessor, iNTACS
4. CMMI 2.0 (Capability Maturity Model Integration) Associate, ISACA
5. ISO9001:2015 Quality Management System Auditor, KOMAS

[HAVE SKILLS]

1. Functional Safety ISO26262 System, Hardware, Semiconductor
2. Safety Analysis: FMEDA, DFA, FMEA, FTA
3. A-SPICE System Engineering
4. Hardware, Firmware, Embedded, DSP, ARM, MICOM, C/C++, Labview CVI, Delphi, AutoCAD.
5. OrCAD, P-spice, Analog/Digital Filter, FFT/Digital Signal Processing.
6. Benchmarking, Information retrieval (Patent/Paper/Data) in the internet.
7. Test Engineering.

[THESIS]

Application of Dependent Failure Analysis for Development of Automotive Electronics Complying with ISO26262 Standards	2021	The Korean Society of Automotive Engineers (KSAE)
A Case Study on The Application of SEooC to Evaluate Hardware Element for the Accel Pedal Sensor	2021	
The Method to perform semiconductor level FMEDA	2021	
Understanding and Case Study of Hardware Integration by Evaluation of Hardware Elements	2020	
The Study on Application SEooC by Use Case Analysis of Pressure Sensor	2020	
Method of Estimating the Basic Failure Rate and Deriving the Failure Mode and Failure Mode Distribution Rate for Evaluating Random Hardware Failure	2020	
The Methods for Describe the Safety Mechanism and Estimate the Diagnostic Coverage in order to Conduct the Efficient FMEDA	2018	
Realization of BMS Diagnostic Device Applying the Wheatstone Bridge Circuit	2009	Hanyang University (paper of masters degree)