BACKGROUND

Sector	Infocomm Technology
Industry Overview *(Brief description of the sector)*	The Infocomm Technology (ICT) sector continues to play a key role in Singapore's economic development. According to the IMDA's Survey on ICT Manpower for 2019, the number of ICT professionals employed grew by 8,100 (4.3%) from 2017 to reach 197,500 in 2018. Together with 18,700 ICT job vacancies, total demand of ICT professionals increased by 6.7% from 2017 to reach 216,200 in 2018. Demand for ICT professionals is projected to grow by another 61,600 in the next three years (2019 – 2021). ICT also supports other sectors such as healthcare, education and financial services by strengthening their business capabilities and enabling manpower-lean transformation. Singapore is poised to become the world's first Smart Nation which aims to develop Singapore's capabilities in pervasive connectivity and build new infrastructure and common technical architecture to enable citizens, businesses and government agencies to leverage technology to make lives better. This initiative would increase the demand for ICT professionals in the areas of Software and Applications, Network and Infrastructure and Critical Emerging Technology (such as Business Analytics and Cyber Security).

JOB DETAILS – Upon Completion of Attach-and-Train Programme

Job Title	Embedded Software Developer
Nature Of Job	The Embedded Software Developer will be involved in design, implementation, testing or maintenance of programmes for embedded microcontroller systems.
Monthly Gross Salary	$4,000* *Starting salary will differ with skills, experience and qualifications
Job Requirements *(e.g: No physical disability, Medically fit, etc.)*	Not Applicable

COURSE DETAILS

Programme Name	AnT for Embedded Software Developer
Programme Overview	The programme aims at re-skilling PMETs into embedded software developers. The curriculum covers classroom training in the following areas: • Programming Paradigms: The C Programming Language • Fundamental Data Structures and Algorithms • Applied Mathematics for Electronic Engineering • Introduction to Electric Circuits and Digital Electronics • Introduction to Embedded Microcontroller Systems • Real-Time Operating Systems for Embedded Microcontrollers • Real-Time Interfacing to Embedded Microcontrollers Capstone Projects/On-job-training organised in cooperation with Partnering Companies to conclude the programme.
Qualification / Certificate Name	Specialist Diploma in Embedded Software Development
Full-Time / Part-Time	Full-Time
Duration Of Programme	9 Months
Course Pre-Requisites *(e.g. Academic Qualifications, Prior Experience, etc.)*	**Individuals** The Programme is open to all company-sponsored applicants who meet the following General Eligibility Criteria: • Singapore Citizen (SC) or Permanent Resident (PR); • Minimum 21 years old; • Graduated or completed National Service, whichever is later, at least two years prior at the point of application; • Not in a same job role prior to joining the PCP; **Course-Specific Entry Criteria:** • University Degree holder with at least two years of working experience and suitable professional background (e.g. IT, Engineering or Business); • Non-university graduate with at least five years of working experience and suitable professional background (e.g. IT, Engineering or Business); and • Enrolment for the PCP is subject to employer's selection based on job requirements and hiring process that may include screening tests and interviews. **Hosting Company** • Be registered or incorporated in Singapore; • Consider trainees for full-time employment after the programme, for a role directly related to the job which the PCP is for, with remuneration that is aligned with the market rate; • Commit to the PCP training arrangements for the trainees; and • Be committed to work with WSG and DigiPen on the necessary administrative matters related to the PCP.

| Frequency of Runs
(e.g: twice a year, quarterly intake, etc.)	Please contact DigiPen for more information.

APPLICATION DETAILS

How To Apply For The Programme	**Applicants** Interested applicants can visit www.wsg.gov.sg/pcp to apply. Suitable applicants will be shortlisted by participating employers for interview before embarking on the programme. **Employers** For Employers, please contact DigiPen to register as participating companies.
Training Provider Details	DigiPen (Singapore) is an overseas university from the USA, offering Continuing Education Attach-and-Train Programme, as an extension of its undergraduate degree programmes. It is a partner of Singapore Institute of Technology (SIT), the fifth autonomous university. For more information, please visit: https://singapore.digipen.edu/continuing-education/ In case of any queries, contact us at: ce.sg@digipen.edu