

出國報告
(出國類別：國際會議)

觀摩韓國全國技能競賽 出國報告書

服務機關：勞動部

單位姓名職稱： 勞動力發展署桃竹苗分署長 賴家仁

勞動力發展署技能檢定中心簡任技正 陳明山

出國地區：韓國釜山市

出國期間：108年10月6日至108年10月11日

報告日期：109年2月7日

公務出國報告提要

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出國計劃主辦機關：勞動力發展署技能檢定中心

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內容摘要：

本次應韓國技術轉移學院(Global Institute For Transferring Skills, GIFTS) 之邀赴韓，主要目的包括觀摩韓國第 54 屆全國技能競賽、參與能力建構研討會、瞭解韓國全國技能競賽國際規格化的作法等。

韓國自 1967 年起參與國際技能競賽，競賽成績一向優異，最近 1 屆國際賽中獲得團隊平均分數排名第 2(我國排名第 3 名、日本第 11 名)。過去，我國與日本、韓國等三個國家在主辦全國技能競賽時，互為邀請，特別是三個國家均為東北亞重要的工業重鎮，在歷屆國際賽都有優異表現，且實力相當，彼此觀摩學習，有助未來在國際技能賽有更好的表現。

本次韓國利用全國技能競賽期間，邀請越南、哥斯大黎加、蒙古、寮國、柬埔寨及我國等國家觀摩技能競賽外，同時召開能力建構研討會，分享各國在職業訓練、技能競賽的辦理情形。我國能力建構中心業於 108 年 3 月設立，會中我國代表利用分享機會，藉以宣傳我國能力建構中心的運作及成果。

韓國技能競賽國際規格化業行之有年，本屆全國賽，韓國特別選擇可看度較高的 12 個職類競賽，在釜山會展中心辦理，方便民眾觀覽職類競賽。同時，會展中心內設置歷屆韓國參加國際賽回顧、技能體驗、青年歌舞表演等攤位，讓觀賽能瞭解韓國在歷屆國際賽的優異表現，親身參與技能實作，並搭配會場外青年歌舞表演，使民眾有最好參觀體驗。同時韓國善用科技，在各職類崗位前建置平板，以動畫方式介紹各個職類，使民眾更易瞭解各職類的特色、未來的出路等。

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壹、目的

本次係韓國技術轉移學院執行長 Mr. Jea Yong HONG 以主辦國代表身分，邀請我國觀摩該國全國技能競賽（邀請函如附錄 1），謹就此次赴韓重點行程，臚列如下：

- 一、 觀摩韓國第 54 屆全國技能競賽：近年我國與日本、韓國等為深化技能競賽業務之交流，在全國技能競賽時，採相互邀請模式，除藉以觀摩彼此技能競賽辦理實務，汲取彼此的優點；特別是韓國、日本及我國在歷屆國際賽均有優異表現，透過常態互訪，可緊密三國的技能領域的合作，有助未來在國際技能競賽的表現。
- 二、 參加能力建構研討會：本次韓國利用全國技能競賽期間，邀請越南、哥斯大黎加、蒙古、寮國、柬埔寨及我國等國家觀摩技能競賽外，同時召開能力建構研討會，分享各國在職業訓練、技能競賽的辦理情形。我國能力建構中心業於 108 年 3 月成立全球第二座能力建構中心，我國代表利用分享機會，宣傳我國能力建構中心的運作及成果。
- 三、 瞭解韓國全國技能競賽國際規格化的作法：本屆全國賽，韓國擇定可看度較高的 12 個職類競賽，在釜山會展中心辦理。該中心開放式競賽空間，方便民眾一覽競賽，加上設置歷屆韓國參加國際賽回顧、技能體驗、青年歌舞表演等攤位，讓觀賽能瞭解韓國在歷屆國際賽的優異表現，亦能親身參與技能實作，有助提升民眾對技能學習的興趣，搭配會場外青年歌舞表演，使民眾有最好參觀體驗。同時善用科技，在各職類崗位前建置平板，以動畫方式有趣介紹各個職類，使民眾更易瞭解各職類的特色、未來的出路等。

貳、過程

一、時間：108 年 10 月 6 日－11 日

二、行程

日期	行程		
10/6 (星期日)			
上午	桃園國際機場~韓國金浦機場~韓國釜山市		
下午	14:00~17:00	參訪韓國全國技能競賽	釜山會展中心
10/7 (星期一)			
上午	09:00~11:30	參訪韓國全國技能競賽	釜山國立機械技術學校
下午	19:00~21:00	參訪韓國全國技能競賽	釜山電子技術學校 釜山技術學校
10/8 (星期二)			
上午	09:00~11:30	參訪產業人力公團總部	韓國產業人力公團
10/9 (星期三)			
全天	09:00~18:30	能力建構研討會	釜山 Paradise 飯店
10/10 (星期四)			
下午	13:30~17:30	參訪三星重工造船廠	三星重工巨濟造船廠
10/11 (星期五)			
上午	韓國釜山市~韓國金浦機場~桃園國際機場		

一、觀摩韓國第 54 屆全國技能競賽

- (一) 韓國第 54 屆全國技能競賽於 2019 年 10 月 4 日~11 日由韓國就業與勞動部、釜山市、釜山市教育局共同主辦(按韓國全國賽由 17 個道(市)輪流舉辦)，由中央及地方分擔經費方式辦理(分擔比例：就業與勞動部分擔約 30%、釜山市約 40%、釜山市教育局約 25%、贊助廠商則佔 5%以下)。
- (二) 韓國全國技能競賽凡屬 14 歲以上人員均可參加，無最高年齡限制，吸引許多成年人甚或中高齡人士參與競技。韓國每年 10 月辦理全國賽，本屆辦理

50 個職類，分為 6 大類群：

1. 製造及工程技術類群：綜合機械、塑膠模具、機械製圖 CAD、CNC 銑床、CNC 車床、外觀模型創作、冷凍空調等 7 個職類。
2. 金屬技術類群：銲接、鑄造、汽車技術、汽車噴漆、汽車板金、板金、配管與暖氣、農業機械技術等 8 個職類。
3. 電子資訊類群：電子、電子機械控制、工業控制、室內配線、電信布建、機電整合、機器人、工業機器人等 8 個職類。
4. 營造類群：石雕、砌磚、油漆、建築鋪面、粉刷、家具木工、門窗木工、建築木工、建築設計 CAD 等 9 個職類。
5. 設計類群：資訊技術、資訊軟體、網頁設計、珠寶金銀細工、寶石細工、平面設計、產品設計、遊戲開發、動畫等 9 個職類。
6. 時尚類群：花藝、美髮、服裝設計、韓服、西餐、西點製作、美容、陶瓷工藝、麵包製作等 9 個職類。

(三) 今年競賽場地分布於 6 個場地舉辦，共有 1,847 位選手、約 800 位裁判參與。
(本次因受邀時間限制，韓國主辦單位僅安排參訪釜山會展中心、釜山國立機械技術學校、釜山電子技術學校、釜山技術學校等 4 個場地)

表一 競賽地點、職類及選手數彙整表

競賽地點	職類	選手數
釜山會展中心	外觀模型創作、門窗木工、建築木工、陶瓷工藝、服裝創作、韓服、花藝、美髮、西餐、西點製作、麵包製作、美容	436
釜山國立機械技術學校	CNC 車床、CNC 銑床、綜合機械、冷凍空調、配管與暖氣、室內配線、工業控制、電子機械控制、機電整合、機械製圖 CAD	440
釜山電子技術學校	電子、電信布建、砌磚、粉刷、建築鋪面、資訊技術、平面設計、產品設計	223
慶尚技術學校	機器人、工業機器人、資訊軟體、網頁設計、動畫、遊戲開發	271
釜山技術學校	塑膠模具、銲接、鑄造、家具木工、建築設計 CAD、木雕工藝、珠寶金銀細工、寶石細工	263

競賽地點	職類	選手數
DSP 會場中心	汽車技術、汽車板金、汽車噴漆、農業機械技術、板金、石雕	214
總計	50 個職類	1,847

(四) 韓國職類參與人數概況

韓國辦理全國賽的目的之一，是選拔優秀選手參與國際賽，因此競賽規則遵循國際賽的規範，特別在職類的每組人數，如機器人、機電組合等採 2 人 1 組。本屆參賽人數最多的前五個職類分別為機電整合(82 人)、機器人(70 人)、銲接(55 人)、遊戲開發(52 人)、花藝(51 人)，有別於我國技能競賽中餐、西餐最為熱門，銲接等基本工科職類較為冷門。

(五) 韓國辦理國內技能競賽種類

- 1、分區技能競賽：每年 4 月在國內 17 個道(市)辦理，計有約 8 千名選手參加，由國內 17 個道(市)主辦。分區技能競賽前 3 名，方可參加全國技能競賽。
- 2、全國技能競賽：每年 10 月由國內 17 個道(市)輪流辦理，約有 1 千 8 百名選手參加。

(六) 韓國國際賽選手選拔方式：近 2 年全國技能競賽前 2 名得參加第 2 階段國手選拔。國際技能競賽舉辦前一年，由全國技能競賽各職類至多 4 名，參加第 2 階段國手選拔，依據選手的表現及個人特質，由 2 次全國競賽加總分數最高者，代表韓國參加國際技能競賽。

(七) 韓國全國技能賽學生約佔 80%，參與全國技能競賽不需費用，選手競賽期間住宿交通及費用由地方政府支應。競賽時間約為 12 小時，少於我國 18 小時及國際賽 22 小時。各職類除裁判長 1 人外，並設有 6-8 位裁判協助。

(八) 韓國政府對競賽優勝選手頒發獎金，全國技能競賽頒發前三名及優勝獎金(分別為第一名 1,200 萬韓元、第二名 800 萬韓元、第三名 400 萬韓元)。

表 2、韓國政府提供選手個人技能競賽獎金一覽表

項目	第一名	第二名	第三名
區域技能競賽 (17 個區域辦理競賽)	30 萬韓元	20 萬韓元	10 萬韓元
全國技能競賽	1,200 萬韓元	800 萬韓元	400 萬韓元
國際技能競賽	6,720 萬韓元	5,600 萬韓元	3,920 萬韓元

按:1 新台幣約兌換 33 韓元。

(九)本屆贊助廠商除韓國三星、現代外，尚包括韓國產業銀行(Industrial Bank Of Korea)、韓國樂天集團(LOTTE)、韓國冷凍空調工會、恒諾微電子 (Hana Microelectronics)、3M、FESTOOL、CJ Foodville、Hanhwa Aerospace、GM Korea、Korea Electrical Contractors Association、Daedong Industrial Co.、Tongyang Moolsan Co., Ltd.、Kukje Machinery Co. Ltd.、Noroo Paint & Coatings Co. Ltd.、LSIS Co., Ltd., Soo System Co., Ltd.、Mastercam、Hwacheon、Adobe、Worldwel.等逾 20 家廠商贊助。

(十)本次在韓期間，韓方特別安排參訪韓國產業人力公團(Human Resources Development Service)總部，總裁 Mr. Dong Man Kim 除對所有到訪國家表達歡迎之意，特別提及他曾經拜會我國林次長三貴，述及台灣及韓國兩國均成立能力建構中心，冀盼未來能在相關領域作更密切的合作。

(十一) 另韓方也安排參訪三星重工巨濟造船廠，除介紹造船廠之廠區外，同時介紹過去曾參加國際技能競賽銲接職類的選手(現服務於該造船廠)現身說法，概述他的參賽歷程及參加國際賽對職涯的影響。

(十二) 此外，在韓期間會見韓國產業人力公團副總裁兼國際技能組織韓國正代表 Mr. Yang-Hyun Kim，他曾在 2018 年 9 月參訪我國全國技能競賽，此次在韓國再度見面，對我國代表極為熱情及友善。

二、參加能力建構研討會

(一)韓國在 2018 年 1 月 29 日與國際技能組織簽署能力建構中心備忘錄，同時在 GIFT 全球建立全球第一個能力建構中心，透過培訓、交流及技能競賽諮詢等方式，協助非洲及發展中國家在技能的發展。

(二)本次韓國利用全國技能競賽期間，邀請越南、哥斯大黎加、蒙古、寮國、柬埔寨及我國等國家觀摩技能競賽外，同時召開能力建構研討會，分享各國在職業訓練、技能競賽的辦理情形。我國能力建構中心於 108 年 3 月成立，會中我國代表宣傳我國能力建構中心的運作及成果。

(三)會中韓國簡報目前及未來擬推動的能力建構計畫，主要計畫包括：

1. 2018~2020：合作國家包括南美洲的哥倫比亞、哥斯大黎加；亞洲的蒙古；非洲的賴米比亞、尚比亞。協助項目包括：技能競賽諮詢；裁判長、指導

老師及選手培訓等；派遣專家協助發展技能競賽體系；派遣裁判長參加渠等區域賽及全國賽並提出諮詢服務。

2.2021~2023：合作國家包括東南亞國協，所需經費透過東南亞國協及韓國共同基金支應。協助項目包括：競賽行政人員培訓；裁判長、指導老師及選手培訓，以協助東南亞國協國家準備國際技能競賽及東南亞國協區域技能競賽。

3.其他：

(1) 分區賽及國際賽期間邀請非洲等國家進行參訪：如 2018 分區賽(4 月 2~6 日)邀請尚比亞等 10 個國家參訪，同時分享韓國技能競賽體系；2018 全國賽(10 月 5~12 日)邀請賴米比亞等 7 個國家參訪。

(2) 喀山國際賽前(2018 年 4 月 3 日至 6 月 26 日)：培訓哥倫比亞、哥斯大黎加、蒙古及賴米比亞等 4 個國家，針對 27 個職類、59 位裁判長及選手參與培訓。

三、瞭解韓國全國技能競賽國際規格化的作法

(一)韓國 1967 年開始參與國際技能競賽，較我國早 4 年參與國際技能競賽，歷年韓國及我國在國際技能競賽成績均有優異表現，最近 1 屆國際賽 63 個參賽國中，韓國獲得團隊平均分數排名第 2，我國排名第 3 名。惟過去韓國在每年全國技能競賽均擇定 12~16 個職類，採國際賽規格常態辦理。

(二)本屆韓國全國賽辦理 50 個職類競賽，參賽人數 1,847 人，在 6 個場地辦理(其中 4 個場地設在高職學校，以重機械設備為主)，本次選擇外觀模型創作、門窗木工、建築木工、陶瓷工藝、服裝創作、韓服、花藝、美髮、西餐、西點製作、麵包製作、美容等可看性較高的 12 個職類，採開放式設計，方便民眾一覽競賽實況。

(三)此外，會展內設置歷屆韓國參加國際賽回顧、技能體驗、青年歌舞表演等攤位，讓民眾知悉韓國在歷屆國際賽的優異表現，亦能親身參與技能體驗實作，可提升民眾對技能學習的興趣，搭配會場外青年歌舞表演，使整個全國技能競賽有如嘉年華會，讓民眾有多樣的參觀體驗。

(三)本次釜山會展中心特別在各職類崗位前精心建置平板，以動畫方式有趣介紹

各個職類，使參觀中小學生及民眾在現場觀看競賽時，亦可透過平板介紹，瞭解各職類的特色、未來的出路等，由於動畫設計有趣且易於操作，駐足許多年輕民眾爭相使用。

(四)韓國每屆全國賽均擇定數個職類以國際規格化辦理，讓韓國能累積國際規格辦理競賽的經驗，同時為未來舉辦大型技能競賽預作準備。截至目前為止，韓國已主辦過 2 次國際技能競賽，分別是 1978 年第 24 屆國際賽在釜山、2001 年第 36 屆國際賽在首爾辦理。

參、心得

- 一、本屆韓國全國技能競賽將陶瓷工藝、服裝創作、韓服、花藝、美髮、麵包製作等 12 個較能吸引民眾興趣的職類，安排在釜山會展中心採開放式場地辦理，釜山會展中心鄰近捷運，中心鄰接大型停車場，交通亟為便利，搭配選手整潔的服裝及窗明几淨的崗位，有別過去工作環境不佳的刻板印象，使現場民眾有技職尊榮的感受，達到宣傳技能的作用及效果。
- 二、本次韓國全國技能競賽與過往較為不同之處，係結合新的科技，在釜山會展中心各職類崗位前，建置平板，以動畫方式有趣介紹各個職類，使現場參觀中小學生及民眾可透過平板介紹，瞭解各職類的特色、未來的出路等，有助對職類的認識及瞭解。另透過大型汽球，在空中懸掛全國賽宣傳布條，民眾即便在遠處即可看到，優於過往羅馬旗易受地形或建築物干擾。
- 三、會展中心內設置歷屆韓國參加國際賽回顧等攤位，讓觀賽民眾能知悉韓國在歷屆國際賽的優異表現，特別許多民眾平常忽略國際技能賽事或無法親自參與國際技能競賽，透過攤位設置連結國際賽與全國賽事，吸引更多國內民眾好奇駐足觀看選手的表現。
- 四、場外搭配會場外青年歌舞表演，使整個全國技能競賽有如嘉年華會，十分熱鬧，使得在緊張、漫長的選手競賽賽事外，增添不少歡樂、有趣的氛圍，讓民眾能體驗到年輕人的青春活力。
- 五、本次韓國全國技能競賽由韓國就業與勞動部、釜山市、釜山市教育局共同主辦，中央權責部會會同地方政府教育單位辦理，除地方政府協助分擔部

分的競賽辦理支出、藉此推廣地方特色產品外，更重要的是，地方教育單位係地方中小學的主管機關，易於動員學校學生前往觀摩競賽，使學生能有更多機會接觸了解不同的技能。

- 六、韓國全國賽賽事時間約為 12 小時，少於我國 18 小時，顯示競賽時間長短與國際賽的表現並非絕對關聯性。
- 七、本次韓國全國技能競賽計有 50 個職類，值得注意的是韓國在近一屆國際技能競賽參加的新職類，如水資源技術、雲端計算等，並無在全國賽 50 個職類中，而是透過民間技能競賽選拔選手，參加國際賽。
- 八、本次韓國利用全國技能競賽期間，同時召開能力建構研討會，邀請越南、哥斯大黎加、蒙古、寮國、柬埔寨等國家觀摩技能競賽外，分享各國在職業訓練、技能競賽的辦理情形，透過經驗分享，韓國可瞭解這些國家的技能需求，同時可將韓國辦理全國技能競賽的實務，讓非洲及開發中國家業能從中學習。

肆、建議

- 一、韓國的全國技能競賽，除透過靜態競賽手冊介紹，本次全國賽善用現代科技，利用平板以動畫方式，呈現職類內涵及未來出路，增加參觀民眾對職類的瞭解。依過去實務，常有現場民眾對選手實作不甚瞭解，而減少對技能的熱情，殊為可惜，透過靜態競賽手冊，輔以平板活潑呈現，有助民眾瞭解技能並進而學習技能。
- 二、此次韓國全國賽的宣傳，除沿途擺置羅馬旗外，也使用大型汽球，在空中懸掛全國賽宣傳布條，民眾即便在遠處，易可透過氣球文宣，瞭解即將或刻正舉辦的賽事。過去我國在辦理競賽時，多使用傳統羅馬旗進行宣導，未來或可酌情善用另一維空間進行宣傳，可達到更佳宣導效果。
- 三、本次韓國全國賽增加歷屆韓國參加國際賽回顧等攤位，使忽略國際賽事或無法親自參與國際賽的民眾，有機會能瞭解歷屆國際賽韓國的表現，連結目前辦理的全國賽事，引起更多國內民眾駐足觀看在場選手的表現。查我國今年擴大全國賽已有我國歷屆國際賽回顧的規劃，除藉以強化民眾對技能得重視外，同時彰顯政府在提升國內技能水準的努力。

四、本次韓國利用全國賽期間，召開能力建構研討會，邀請越南、哥斯大黎加、蒙古、寮國、柬埔寨等國家觀摩技能競賽，同時瞭解韓國辦理全國賽的實務。查我國在 108 年 3 月成立全球第二座能力建構中心，今年擴大全國賽期間，亦規劃邀請非洲或新南向等發展中國家觀摩，過去累積豐富競賽實務，可藉由邀請觀摩，提供渠等國家諮詢建議及後續協助，運用我國累積的技能軟實力協助國際社會。

五、本次韓方特別安排參訪韓國產業人力公團(Human Resources Development Service)總部，總裁 Mr. Dong Man Kim 除對所有到訪國家表達歡迎之意，特別提及他曾經拜會我國林次長三貴，述及台灣及韓國兩國均成立能力建構中心，冀盼未來能在相關領域作更密切的合作。查韓國及我國能力建構中心分別於 2018 及 2019 年成立，惟韓國在技術轉移及合作業行之有年，我國似可就能力建構經驗分享部分，多與韓國進行交流，以收他山之石可以攻錯的綜效。

附錄 1 韓國邀請函

<http://www.hrdkorea.or.kr>

<http://gifts.hrdkorea.or.kr>

Global Institute For Transferring Skills to the HRD Korea

448gil 77 Munemi-ro, Bupyeong-gu, Incheon 403-120, Korea * Tel: 82-32-509-1816 * Fax: 82-32-509-1817 *email:vertparfum@hrdkorea.or.kr

September 10th, 2019

Dear HUANG, CHIU-KUEI
Official Delegate, Chinese Taipei

Official Invitation Letter to Korea's National Skills Competition 2019 in Busan Metropolitan City

First of all on behalf of Worldskills Korea, I would like to express my heart-felt appreciation for your interest on Korea

I also sincerely invite Chinese Taipei's delegates to participate in to the 54th Korea National Skills Competition 2019 in Busan Metropolitan City and 2019 Capacity Partnership Program for Skills Training in Korea

The 54th Korea National Skills Competition 2019 will be held in Busan Metropolitan City on October 4th~11th. With Official 50 Skills, About 1,900 competitors will participate in this competition.

Adding that, HRDKorea also will host 2019 Capacity Partnership Program for Skills Training including several seminars. Please refer to the schedule below

I am happy to invite two delegate from Chinese Taipei to this 6 days event. Please refer to the tentative schedule below. The expenses may occur during your stay in Korea including local transfer, accommodation, meals will be covered by HRD Korea. We understand that the international flights cost and other related travelling costs are to your responsibility

[Tentative Schedule]

Date	Description
'19.10.6 (Sun)	<ul style="list-style-type: none"> - Arrival to Gimhae, Korea - Move Gimhae→Busan
'19. 10. 7 (Mon)	<ul style="list-style-type: none"> <2019 Capacity Partnership Program for Skills Training in Korea>(TBD) * Location : Paradise City Hotel Busan - Introduction of HRDKorea - Introduction of Skills Competition System in Korea - Best Practice Presentation(Namibia, Costa Rica, Mongolia, Vietnam, etc) - Capacity Building Centre Program in Korea
'19.10.8 (Tue)	<ul style="list-style-type: none"> - Competition Excursion(BEXCO and DSP CO.,Ltd) - Luncheon (Location :Not defined) - Competition Excursion(DSP CO.,Ltd) - Excursion(TBC) - Dinner (Location :Not defined)
'19. 10. 9 (Wed)	<ul style="list-style-type: none"> - Competition Excursion(Busan National Mechanical Technical High School) - Luncheon (Location :Not defined) - Competition Excursion(Busan Electrical Technical High School) - Competition Excursion(Busan Technical High School) - Dinner (Location :Not defined)
'19. 10. 10 (Thu)	<ul style="list-style-type: none"> - Hotel→Samsung Heavy Industries Geoje Shipyard - Shipyard Field Trip - Luncheon (Location :Not defined) - Samsung Heavy Industries(Geoje)->Busan - Dinner (Location :Not defined) - Move to Hotel
'19. 10. 11(Fri)	<ul style="list-style-type: none"> - Hote check out →BEXCO - Closing Ceremony - BEXCO->GIMHAE Int' Airport - Departure

If you have any related question, please feel free to contact with Mr. Young-Woo LEE(Eddie) at vertparfum@hrdkorea.or.kr

Please, kindly accept our invitation and let us know your decision till September 13th(Fri)

We are looking forward to meeting your delegation in Korea.

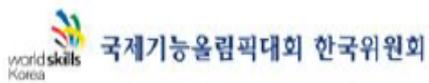
Sincerely yours,



Mr. Jea-Yong, HONG
Executive Director
GIFTS to the Human Resources Development Service of Korea
WorldSkills Korea

**2019 Busan Metropolitan City
The 54th Korea National Skills Competition**

October, 2019.



Categories	C o n t e n t s
Name	The 54 th Korea National Skills Competition 2019 in Busan Metropolitan City
Sponsored By	Ministry Of Employment and Labour(MOEL), Busan Metropolitan City, Busan Metropolitan City Office of Education
Managed By	<ul style="list-style-type: none"> ○ WorldSkills Korea (HRD Korea) ○ WorldSkills Korea Busan Local Committee (HRDKorea Busan Provincial Headquarters)
Supported By	Samsung Electronics. Co., Ltd., Industrial Bank of Korea(IBK), LOTTE, CJ Foodville, Hanhwa Aerospace, Hundai Motors, GM Korea, Korea Refrigeration and Air-Conditioning Industry Association(KRAIA), Korea Electrical Contractors Association(KECA), FESTOOL, Daedong Industrial Co., Tongyang Moolsan Co., Ltd., Kukje Machinery Co., Ltd., Noroo Paint & Coatings Co., Ltd., LSIS Co., Ltd., Soo System Co., Ltd., Mastercam, Hwacheon, Adobe, 3M, Worldwel.
Period	October 4th, 2019 ~ October 11th, 2019
Location	Busan Metropolitan City
Venue	<ul style="list-style-type: none"> ○ Total 6 venues/ 50 skills (Busan National Mechanical Technical High School and so on) - Open Venue : BEXCO(12 skills), DSP Factory(6 skills) - School <ul style="list-style-type: none"> • Busan National Mechanical Technical High School(10 skills) • Busan Electronic Technical High School(8skills) • Busan Technical High School(8skills) • Gyeongnam Technical High School (6skills)
Skills	○ Total 50 skills (Polymechanics and Automation and so on)
Participation Scale	<ul style="list-style-type: none"> ○ About 13 thousands - 1,847 Competitors, About 1,200 Experts and staffs, about 10 thousands observers(citizens, parents and so on)
Main Events	Opening Ceremony, Competition Committee(CC), VIP Venue Excursion, Advanced Skills Trial Events, Closing Ceremony, Job Fairs and so on

2. Competition Schedule

	Date	Time	Contents	Place
C-1 Opening Ceremony	Oct 4 th (Fri)	09:00 ~ 10:30	○ Competition Committee	BEXCO Exhibition Centre 1 (3F Meeting Room)
		11:00 ~ 12:30	○ Opening Ceremony	BEXCO (Auditorium)
		12:30 ~ 14:00	○ Welcome Reception	BEXCO Convention Hall 3F Grandball Room)
		14:00 ~ 16:50	○ Experts Meeting by skills	Competition Venue by skill
C1	Oct 5 th (Sat)	09:00 ~ 18:00	○ Competition Preparation by Experts ○ Competition	Competition Venue by skill
C2	Oct 6 th (Sun)	09:00 ~ 18:00	○ Competition and Assessment	Competition Venue by skill
C3	Oct 7 th (Mon)	09:00 ~ 18:00	○ Competition and Assessment	Competition Venue by skill
		14:00 ~ 15:00	○ VIP Venue tour	Busan National Mechanical Technical High School
C4	Oct 8 th (Tue)	09:00 ~ 18:00	○ Competition and Assessment	Competition Venue by skill
			○ Marking	„
C5	Oct 9 th (Wed)	09:00 ~ 12:00	○ Competition and Assessment	Competition Venue by skill
		09:00 ~ 18:00	○ Marking	„
C+1	Oct 10 th (Thu)	10:00 ~ 17:00	○ Local Excursion	Busan
C+2 Closing Ceremony	Oct 11 th (Fri)	10:00 ~ 13:00	○ Closing Ceremony - Medal Awarding to 50 skills - Award and Recognition	BEXCO (Auditorium)

5. Competition Venue

Venue	Skills	No of C	Venue	Skills	No of C			
Busan National Mechanical Technical High School (569, Haeun-daero, Haeundae-gu, Busan, Korea)	1	CNC Milling	38	Gyeongnam Technical High School (22, Jeonpo-daero 175beon-gil, Busanjin-gu, Busan Korea)	1	Mobile Robotics	70	
	2	CNC Turning	35		2	Industrial Robot*	29	
	3	Polymechanics and Automation	28		3	IT Software Solutions for Business	46	
	4	Refrigeration and Air Conditioning	41		4	Web Technologies	43	
	5	Plumbing and Heating	36		5	Animation*	31	
	6	Electrical Installation	41		6	Game Development*	52	
	7	Industrial Control	45		Subtotal : 6 skills 271 Competitors			
	8	Control of Electronic Machine*	44		DSP Factory (69, Jangin-ro 77beon-gil, Sasang-gu, Busan Korea)	1	Automobile Technology	42
	9	Mechatronics	82			2	Autobody Repair	41
	10	Mechanical Engineering CAD	50			3	Car Painging	42
Subtotal : 10 skills 440 Competitors			4	Agricultural Machinery Technology*		27		
Busan Electronic Technical High School (51, Geumgang-ro 59beon-gil, Dongnae-gu, Busan, Korea)	1	Electonics	44	5		Sheet/Construction Metal Work	29	
	2	Information Network Cabling	35	6		Architectural Stonemasonry	33	
	3	Bricklaying	12	Subtotal : 6 skills 214 Competitors				
	4	Plastering and Drywall System	10	BEXCO <Exhibition Center 2> (55, APEC-ro, Haeundae-gu, Busan, Korea)	1	Prototype Modelling	15	
	5	Wall and Floor Tiling	16		2	Joinery	24	
	6	IT Network System	39		3	Carpentry	16	
	7	Graphic Design Technology	34		4	Ceramic Craft*	49	
	8	Product Design*	33		5	Fashion Technology	38	
Subtotal : 8 skills 223 Competitors			6		Korean traditional costume*	48		
Busan Technical High School (80, Suyeong-ro 196beon-gil, Nam-gu, Busan Korea)	1	Plastic Die Engineering	39		7	Floristry	51	
	2	Welding	55		8	Hairdressing	46	
	3	Casting*	24		9	Cooking	39	
	4	Cabinetmaking	27		10	Patisserie and Confectionary	37	
	5	Computer Aided Architectural Design*	42		11	Bakery	41	
	6	Wood Craft*	28		12	Beauty Therapy	32	
	7	Jewellery	31	Subtotal : 12 skills 436 Competitors				
	8	Gemstone cutting & polishing*	17	Total 6 venues 50 skills, 1,847 competitors				
Subtotal : 8 skills 263 Competitors								

□ **Benefis for Winner**

- The top 2 winners(or teams) who are not be older than the age limit by WorldSkills International are eligible for participation to selection competition for the 46th WorldSkills Shanghai 2017
- Winner per each skill[≡] would be given exemption from performance test for the engineer certificates in the relevant skill at National Technical Qualifications Act.
 - ※ When it comes to not relevant certificates, winner would not be exempt from the test

**2019 Capacity Building Partnership Program
for Skills Development**

2019. 10



01

**Introduction of Korea Skills
Competition System**

CONTENTS

- I. Why Skills Competition ?
- II. Skills Competition System in Korea
- III. WorldSkills Competition

- I. Why Skills Competition ?

1. Geographical Characteristics of Korea



- Small half peninsular country: 99,720 km² (51.4 Million)
- ※ Republic of Azerbaijan: 86,600 km² (10.0 Million)
- Median Age: 42.3 years
- ※ Republic of Azerbaijan: 31.7 years
- Poor in natural resources
- Japanese colonial rule for 36 years(1910 – 1945)
- Korean War for 3 years (Jun. 1950 - Jul. 1953)
- Divided in North and South Korea
- One of the poorest country in the world until 1960s

2. Korean Economic Miracle



Cheonggae Stream/Seoul in 1950s

Cheonggae Stream/Seoul in 2000

Real GDP

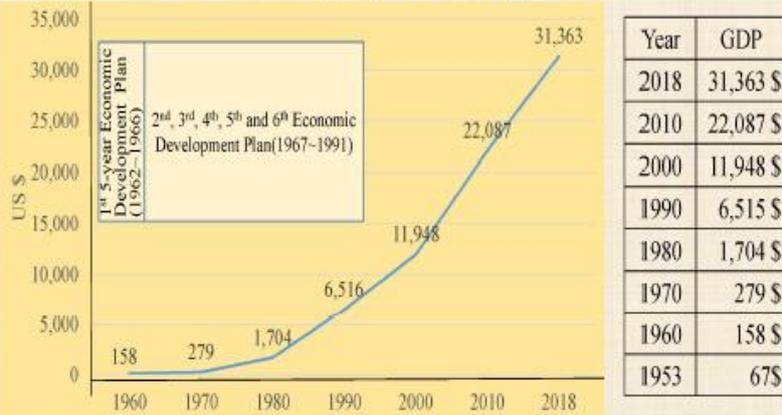
US\$ 67 in 1953



US\$ 31,363 in 2018

3. Rapid Economic Growth

The World Bank, GDP per Capita – Rep. of Korea



Source: <https://data.worldbank.org/indicator/NY.GDP.PC.APCD?end=2018&locations=KR&start=1960>

4. World-class Technologies developed in KOREA



High quality goods are produced by the hands of skilled workers, not by professors.
Skills Development was one of the most important factors for Korean economic development.

5. Prosperity thanks to strong investment in Education & Skills

THE WORLD BANK

What We Are | What We Do | Where We Work | Understanding Poverty | Work With Us

Republic of Korea

The World Bank In Republic of Korea
 Korea has experienced remarkable success in combining rapid economic growth with significant reductions in poverty.

REPUBLIC OF KOREA HOME | OVERVIEW

Overview

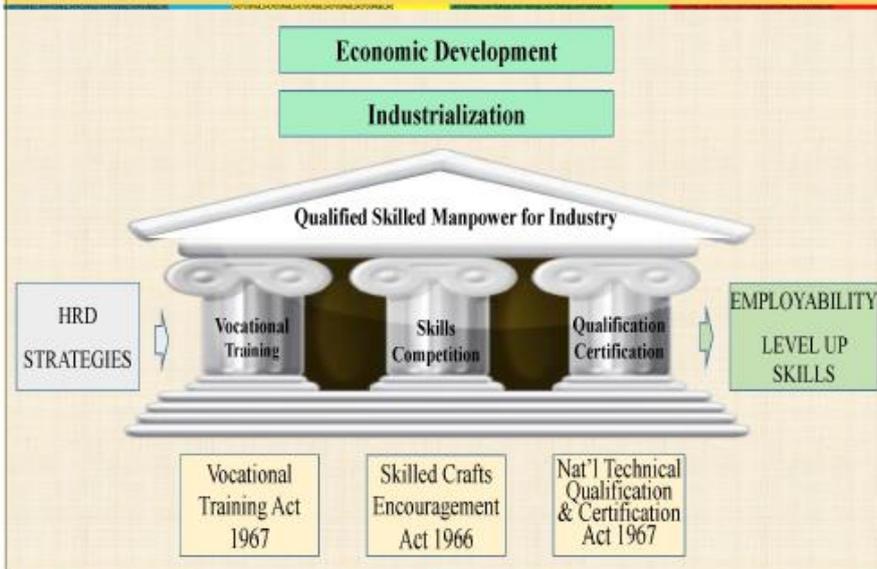
SUMMARY | SHAREHOLDER REPRESENTAT... | PARTNERSHIP

Korea has experienced remarkable success in combining rapid economic growth with significant reductions in poverty.

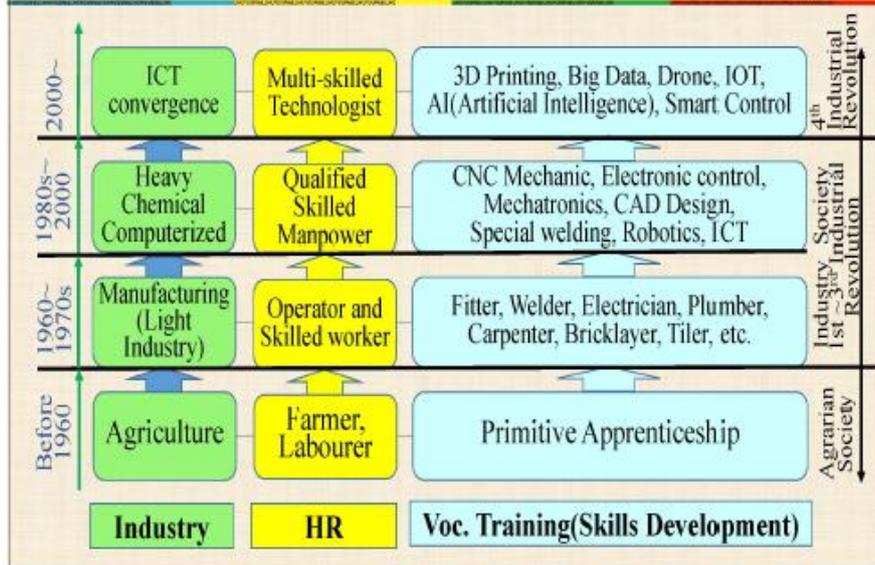
Government of Korea policies resulted in real GDP growth averaging 10 percent annually between 1962 and 1994. This spectacular performance was fueled by annual export growth of 20 percent in real terms, while savings and investment rose sharply above 30 percent of GDP.

In just 50 years, Korea has transformed itself from an aid-recipient country to a donor country through rapid economic growth and prosperity. Its per capita income rose sharply from US\$67 in the early 1950s to US\$ 22,670 in 2012 thanks to strong investment in education and skills, among other key factors.

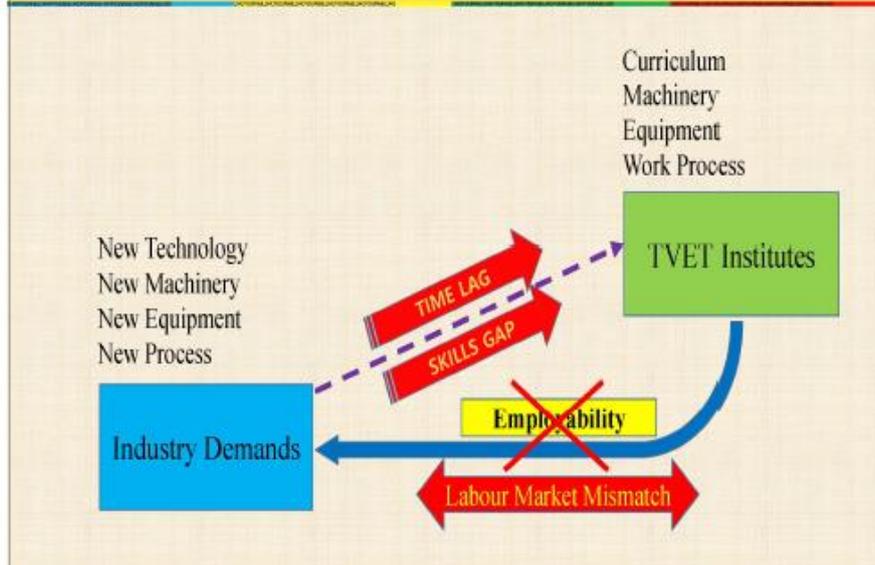
6. Skills Development Strategy in Korea

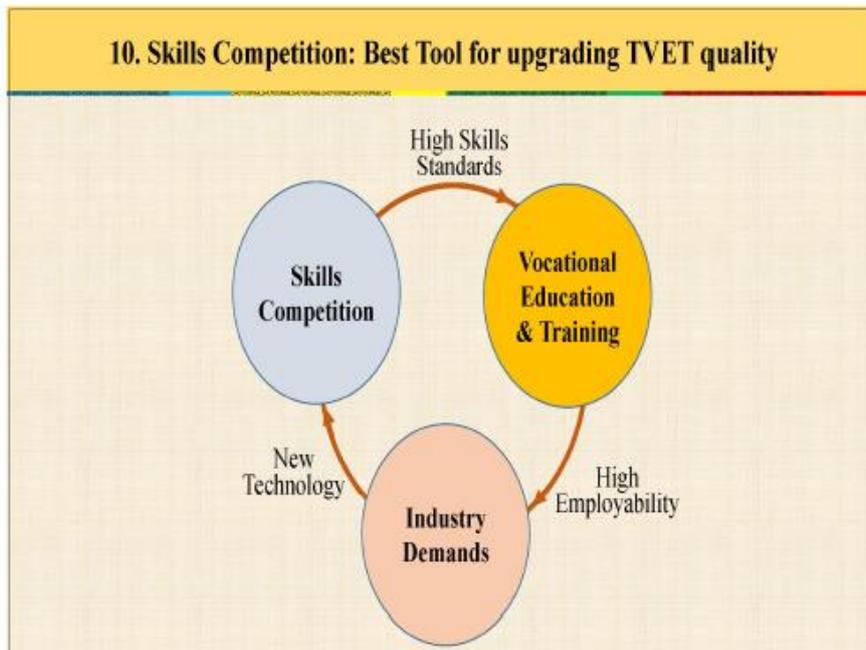
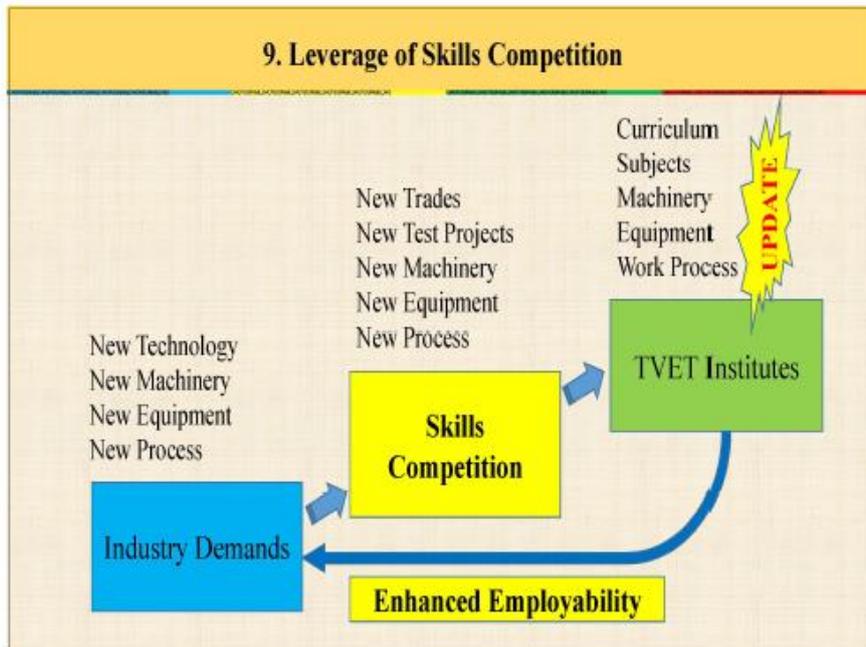


7. Industrial Development and TVET Standards in Korea



8. Industry Standards and TVET Curriculum





11. The Role of the Balancer of Skills Competition



II. Skills Competition System in Korea

1. Brief Skills Competition History of WorldSkills Korea

Year	Skills Competition Events
1966	<ul style="list-style-type: none"> Establish World Skills Korea Committee, join WSI (13th member) Conduct 1st Local & National Skills competitions
1967	<ul style="list-style-type: none"> Conduct 2nd Local & National Skills Competitions Participate in WSC(Spain) for the first time (2 Gold, 1 Silver, 2 Bronze medals)
1968~1976	<ul style="list-style-type: none"> Conduct 3rd ~ 11th Local & National Skills Competitions
1977	<ul style="list-style-type: none"> Win the first World Championship at 23rd WorldSkills Competition(Netherland) (12 Gold, 4 Silver, 5 Bronze medals and 5 Excellent Diploma) Conduct 12th Local & National Skills Competitions
1978	<ul style="list-style-type: none"> Host 24th World Skills Competition in Busan City(22 Gold, 6 Silver, 3 Bronze medals) Conduct 13th Local & National Skills Competitions
1979~2000	<ul style="list-style-type: none"> Conduct 14th ~ 34th Local & National Skills Competition
2001	<ul style="list-style-type: none"> Host 36th World Skills Competition in Seoul City (20 Gold, 5 Silver, 7 Bronze medals) Conduct 35th Local & National Skills Competitions
2002~2018	<ul style="list-style-type: none"> Conduct 14th ~ 53rd Local & National Skills Competitions Win the 19th World Championship at 43rd WorldSkills Competition(Sao Paulo, Brazil) (13 Gold, 7 Silver, 5 Bronze medals and 14 Excellent Diploma)
Achievements	<ul style="list-style-type: none"> Conduct the Local & National Skills Competitions every year (54th Anniversary) Win the WorldSkills Champion 19 times

2. Local Skills Competitions in Korea

Local Skills Competitions	<ul style="list-style-type: none"> Every April, in 17 Local Committees at the same time, nationwide Anyone 14 years or older is eligible to participate in LSC Yearly around 8,000 competitors are participating in 50 official trades Gold, Silver, Bronze medals & Excellence awarded in each skill
---------------------------	---

2016 Local Skills Competition (Apr. 6-11)

2016	Total	Seoul	Pusan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong	Gyeonggi	Gangwon	Chungcheong	Chungcheong	Jeonbuk	Jeonnam	Gyeongbuk	Gyeongnam	Jeju
No of T.		48	43	43	44	32	37	27	8	49	39	37	37	37	39	48	41	22
Comp.	7,593	736	501	590	580	393	349	316	79	741	394	420	390	390	410	532	485	287
No. of Venue	103	7	7	5	7	7	6	6	2	5	6	7	7	7	7	8	6	3

Achievements of Local Skills Competition

	total	'66~'00	'01~'05	'06~'10	'11	'12	'13	'14	'15	'16	'17	'18
Comp.	283,085	138,906	37,726	40,999	9,034	8,825	8,468	8,353	9,312	7,593	7,697	6,172
Medalists	65,055	31,534	9,649	10,057	1,959	1,929	1,951	1,967	2,014	2,004	1,997	1,953

3. Competitors by Age Group and Educational Background

By Age Group			By Educational Background		
Age group	Competitors	%	Institute	Competitors	%
Below 20	6,407	84.4	Primary School	35	0.5
21 ~ 30	348	4.6	Middle School	135	1.8
31 ~ 40	297	3.9	General High School	315	4.1
41 ~ 50	357	4.7	Voc. High School	6,211	82.8
51 ~ 60	161	2.1	College	278	3.2
Above 60	23	0.3	Polytechnic College	12	0.2
Total	7,593	100.0	University	480	6.3
			Graduate School	71	0.9
			Individual	56	0.7
			Total	7,593	100.0

4. Competitors by Agency

	Agency	Competitors	%
Educational Institute	Middle School	14	0.2
	General High School	154	2.0
	Tech. Vocational High School	5,978	78.7
	Vocational College	44	0.6
	University	123	1.6
	Graduate School	7	0.1
	Polytechnic College	3	0.0
Vocational Training Institute	Correction Service	121	1.6
	Vocational Training Centres	161	2.1
	Private Training Institute	93	1.2
Industry	Company + Small Scale Business	430(156+274)	5.7
Others	Individual	465	6.1
	Total	7,593	100.0

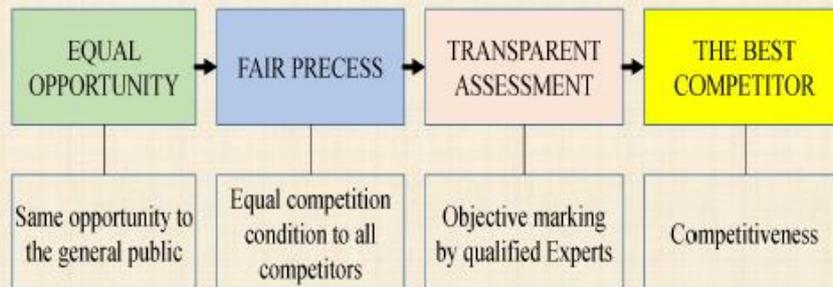
5. What happens during a Skills Competition?



<p>Competitor receive:</p> <ul style="list-style-type: none"> ▪ Test Project (TP) ▪ Instructions ▪ Material ▪ Work space 	<p>Competitor execute:</p> <ul style="list-style-type: none"> ▪ Test project ▪ Deliver complete / incomplete work by a given deadline 	<p>A group of Experts:</p> <ul style="list-style-type: none"> ▪ Assess TP ▪ In accordance with WSI standards 	<p>Results are:</p> <ul style="list-style-type: none"> ▪ Calculated via CIS ▪ List of winners is generated 	<p>Winners are:</p> <ul style="list-style-type: none"> ▪ Awarded ▪ During a Closing Ceremony
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Image Source: <https://worldskills2019.com/en/event/skills/bakery/>

6. Must-have Characteristics of the Skills Competition



7. National Skills Competition in Korea

National Skills Competitions

- Every September/October, in 1 local government region on a rotation basis
- Organized by Ministry of Employment & Labor, and WorldSkills Korea
- Yearly about 1,700 competitors (LSC medalists) are participating in NSC
- Gold, Silver, Bronze medals & Excellence awarded in each skill

▪ 2016 National Skills Competition (Sep. 5-12)

2016	Total	Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Sejong	Gyeonggi	Gangwon	Chungb	Chungn	Jeonbuk	Jeonnam	Gyeongb	Gyeongn	Jeju
No of T		48	43	43	43	31	36	27	8	49	39	37	37	36	39	48	41	19
Compet	1,916	157	137	139	134	84	102	82	18	167	117	112	118	110	112	147	134	46
%	100	8.2	7.2	7.3	7.0	4.4	5.3	4.3	0.9	8.7	6.1	5.8	6.2	5.7	5.8	7.7	7.0	2.4

▪ Achievements of National Skills Competition

	total	'66-'00	'01-'05	'06-'10	'11	'12	'13	'14	'15	'16	'17	'18
Comp.	67,748	35,810	9,349	9,753	1,848	1,876	1,884	1,884	1,928	1,916	1,901	1,845
Awardee	8,418	4,457	855	1,230	272	254	257	276	285	260	293	284

8. Competition Trades for Domestic Skills Competitions

Machinery (7)	Polymechanics, Press Tool Making, Mechanical Engineering CADD, CNC Turning, CNC Milling, Prototype Modelling, Refrigeration & Air Conditioning
Metal & Transportation (8)	Welding, Plumbing, Die-casting, Automobile Technology, Auto-body Repair, Car Painting, Agricultural Machine Repair, Construction & Steel Metal Work
Electricity & Electronics (8)	Industrial Electronics, Electrical Installations, Industrial Control, Industrial Robotics, Electric Apparatus Control, Mobile Robotics, Information Network Cabling, Mechatronics
Construction (7)	Bricklaying, Plastering, Tiling, Cabinet Making, Joinery, Carpentry, Architectural CAD
IT & Design (7)	IT Software Solutions, IT Network Systems Administration, Game Development, Web Technology, Graphic Design, Products Design, Animation
Craft & Fashion (7)	Stonemasonry, Wood Craft, Jewellery, Gem Lapidary, Fashion Technology, Hanbok(Korean Traditional Clothes) Design, Ceramic Craft
Beauty & Art (6)	Floristry, Hairdressing, Cooking, Patisserie & Confectionery, Bakery, Beauty Therapy
Demonstrations (4)	Drone Technology, 3D Printing, Big Data, AI Robots, Cyber Security

9. Outline of the 54th National Skills Competition 2019

Objectives

- To bridge the skills gap among regions by benchmarking the national skills standards
- To contribute to industry development through improving the skills levels and
- To create favorable social climate for technical people



Outline

- Organizer: WSK and Busan Metropolitan Skills Committee
- Date: Oct 4-11, 2019 (incl. opening and closing ceremony)
- Venue: 6 (4 Tech. High Schools, 1 Open Space & 1 BEXCO)



- Competitors and Skills Trades: about 1,700 competitors in 50 official skills
- Events: Opening/Closing ceremony, Welcome Reception, VIP tour, Cultural Visit
- Awarding: G(\$10,400), S(\$6,950), B(\$3,470)

10. Competition Schedule of 2019 NSC

Date	Time	Activities
[C-1] Oct 5, Fri	09:00 ~ 10:30	• Technical Committee Meeting by Ind. sector
	11:00 ~ 12:30	• Opening Ceremony & Music Festival
	12:30 ~ 14:00	• Welcome Reception
	14:00 ~ 16:50	• Experts Meeting and Preparations
[C1] Oct 6, Sat	09:00 ~ 18:00	• Preparations and Modification of Test project • Competition Start
[C2] Oct 7, Sun	09:00 ~ 18:00	• Competition and assessment
[C3] Oct 8, Mon	09:00 ~ 18:00	• Competition and assessment
[C4] Oct 9, Tue	09:00 ~ 18:00	• Competition and assessment
[C5] Oct 10, Wed	09:00 ~ 12:00	• Competition and assessment
	09:00 ~ 18:00	• Assessment and Marking Finish
[C6] Oct 11, Thu	11:00 ~ 17:00	• All Competitors visit Cultural Site
[C7] Oct 12, Fri	10:00 ~ 13:00	• Awarding Ceremony • Flag Handover (Busan ⇄ Cholla Bukdo Province)

11. 2018 National Skills Competition Venues and Skills

Venues	Trades
Busan National Mechanical Technical High School (10 Trades)	Polymechanics & Automation, Mechanical Engineering CAD, CNC Milling, CNC Turning, Refrigeration & Air Conditioning, Plumbing & Heating, Electric Installations, Industrial Control, Electric Apparatus Control, Mechatronics
Busan Tech. High School (8 Trades)	Press Tool Making, Welding, Die-casting, Cabinet Making, Architectural Engineering CAD, Wood Crafts, Jewellery, Gem Lapidary
Busan Electronics Technical High School (5 Trades)	Industrial Electronics, Information Network Cabling, Bricklaying, Wall & Floor Tiling, Plastering & Drywall System, IT Network System, Graphic Design Technology, Products Design
Kyungnam Tech. High School (6 Trades)	Mobile Robotics, Industrial Robot, IT Software Solutions for Business, Game Development, Web Design and Development, Animation
Open Competition Venue (6 Trades)	Automobile Technology, Car Painting, Autobody Repair, Stonemasonry, Agricultural Machinery, Construction & Sheet Metal Work,
Busan BEXCO (12 Trades)	Prototype Modelling, Joinery, Carpentry, , Fashion Technology, Hanbok Design, Ceramic Crafts, Floristry, Hairdressing, Cooking, Patisserie & Confectionary, Bakery, Beauty Therapy

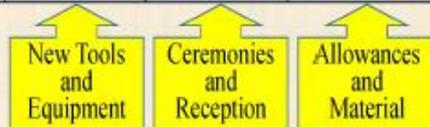
12. Benefits of utilizing workshops of Vocational High Schools

?

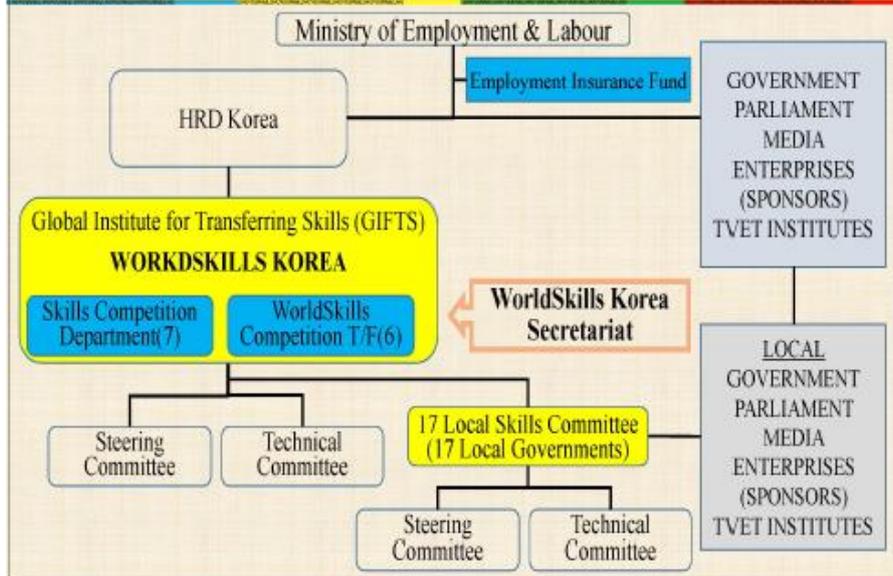
13. Partnership with Local Government Offices in hosting NSC

An Example of 2015 National Skills Competition in Ulsan City

Partners	Amount(S)	Expenditures(S)		
		Facilities	Events	Operating
Ulsan City	3.61 mil.	2.78 mil.	0.75 mil.	0.08 mil.
Ulsan Ed. Office	3.67 mil.	3.67 mil.	-	-
WorldSkills Korea	4.76 mil.	-	-	4.76 mil.
Total	12.04 mil.	6.45 mil.	0.75 mil.	4.84 mil.



14. Organogram of WorldSkills Korea



III. WorldSkills Competition

1. Brief History of WorldSkills Competitions(WSC)

- First competition with Portugal to encourage youth professional spirit in Spain in 1950
 - Enlarged the int'l organization with 7 member countries in 1953
 - Competitions with 8 countries took places in Spain until 1957
- 10 member countries participated in the competition in Belgium in 1958
 - 9 member countries participated in the competition in Italy in 1959
 - 7 member countries participated in the competition in Spain in 1960
- 11 member countries participated in the competition in Germany in 1961
 - Korea participated ever first in the 16th competition in Spain in 1967
- 15 member countries participated in the 20th competition in Spain in 1971
- Korea win the first world championship in the 24th competition in Netherlands in 1977
 - 14 member countries participated in the 24th competition in Busan, Korea in 1978

Until 1980, WorldSkills Competition took place almost every year

- 35 member countries participated in the 36th competition in Seoul, Korea in 2001
- 53 member countries participated in the 42nd competition in Germany in 2013
- 63 member countries participated in the 43rd competition in Brazil in 2015
- member countries participated in the 44th competition in Abu Dhabi in 2017

2. Characteristics of WorldSkills International(WSI)

- Unique international vocational training organization
- The global hub for skills excellence and development
- Showcase of the value of skills

By means of WorldSkills Competition bi-ennially

Vision

Improving our world with the power of skills.

Mission

To raise the profile and recognition of skilled people, and show how important skills are in achieving economic growth and personal success.



National Skills Competitions

Local Skills Competitions

3. Members of WorldSkills International

Members

As of Aug 2019

82

Europe	AM-Armenia, AT-Austria, BY-Belarus, BE-Belgium, HR-Croatia, DK-Denmark, EE-Estonia, FI-Finland, FR-France, GE-Georgia, DE-Germany, HU-Hungary, IS-Iceland, IE-Ireland, IT-South Tyrol Italy, LV-Latvia, LI-Principality of Liechtenstein, LU-Luxembourg, NL-Netherlands, NO-Norway, PL-Poland, PT-Portugal, RO-Romania, RU-Russia, ES-Spain, SE-Sweden, CH-Switzerland, TR-Turkey, UA-Ukraine, UK-United Kingdom,	30
Asia	BH-Kingdom of Bahrain, BD-Bangladesh, BN-Brunei Darussalam, CN-China, HK-Hong Kong China, IN-India, ID-Indonesia, IR-Iran, IL-Israel, JP-Japan, KZ-Kazakhstan, KR-Korea, KW-Kuwait, MO-Macao China, MY-Malaysia, MN-Mongolia, OM-Oman, PK-Pakistan, PS-Palestine, PH-Philippines, SA-Saudi Arabia, SG-Singapore, LK-Sri Lanka, TW-Chinese Taipei, TH-Thailand, AE-United Arab Emirates, VN-Vietnam	27
America	AR-Argentina, BB-Barbados, BR-Brazil, CA-Canada, CL-Chile, CO-Colombia, CR-Costa Rica, DO-Dominican Republic, EC-Ecuador, JM-Jamaica, MX-Mexico, PY-Paraguay, TT-Trinidad and Tobago, US-United States of America, VE-Venezuela,	15
Oceania	AU-Australia, NZ-New Zealand	2
Africa	EG-Egypt, MA-Morocco, NA-Namibia, ZA-South Africa, TN-Tunisia, ZM-Zambia, GH-Ghana, UG-Uganda	8

4. Map of WorldSkills International



5. WorldSkills Competition Trades

Categories	Competition trades (Skills)
Construction & Building Technology(13)	Plastering and Drywall Systems, Refrigeration and Air Conditioning, Bricklaying, Architectural Stonemasonry, Landscape Gardening, Carpentry, Joinery, Cabinetmaking, Painting and Decorating, Electrical Installations, Plumbing and Heating, Wall and Floor Tiling, Concrete Construction Work
Creative Arts and Fashion(6)	Visual Merchandising, Graphic Design Technology, Fashion Technology, Floristry, Jewellery, 3D Digital Game Art
Information and Communication Technology(5)	Print Media Technology, Information Network Cabling, IT Network Systems Administration, Web Technology, IT Software Solutions for Business
Manufacturing and Engineering Technology(15)	Plastic Die Engineering, Prototype Modelling, Construction Metal Work, Welding, Mobile Robotics, Electronics, CNC Milling, CNC Turning, Mechanical Engineering CAD, Manufacturing Team Challenge, Polymechanics and Automation, Industrial Control, Mechatronics, Industrial Mechanics Millwright, Water Technology
Social & Personal Services(7)	Health and Social Care, Restaurant Service, Cooking, Pâtisserie and Confectionery, Beauty Therapy, Hairdressing, Bakery
Transportation and Logistics(6)	Aircraft Maintenance, Car Painting, Automobile Technology, Autobody Repair, Freight Forwarding, Heavy Vehicle Technology

6. Recent WorldSkills Competitions

	2015	2017	2019
When	15-18 Oct.	15-18 Oct.	22-27 Aug.
Host	Sao Paulo, Brazil	Abu Dhabi, UAE	Kazan, Russia
Skills Trades	46 official+4 Demo	46+5	50+6
Members	59 member countries	57 member countries	63 member countries
Competitors	1,070	1,242	1,354
Team Korea	~150 delegates 45 competitors in 41 skills 13 Gold, 7 Silber, 5 Bronze, 14 Excellent	~150 delegates 46 competitors in 42 skills 8 Gold, 8 Silber, 8 Bronze, 16 Excellent	~200 delegates 52 competitors and 47 experts in 47 skills 7G, 6S, 2B, 26E

7. Selection Procedure of Korean Competitors toward WSC



8. Korea's participation in the WSCs

Year	total	'67-'95	'97	'99	'01	'03	'05	'07	'09	'11	'13	'15	'17	'19	
Member Countries	-	-	30	33	35	37	39	46	46	50	53	60	58	63	
Off. Trades	-	-	37	41	39	42	39	47	45	46	46	46	51	56	
Competitors	14,652	5,626	533	607	661	664	673	812	847	949	961	1,070	1,249	1,354	
Team KOREA	Trade	-	-	35	33	38	39	35	43	40	38	37	41	42	47
	Comp.	997	490	35	36	39	39	39	47	45	43	41	45	46	52
	Medalists (G,S,B)	579 (58%)	312	17	16	32	25	16	27	23	25	23	25	24	14

10. Korea's Competitiveness at WorldSkills Competition

Trades (Competitors)	Medalists				Excellence
	Total	Gold	Silver	Bronze	
997	580	311	154	115	242
100%	58.2% (100%)	31.2% (53.6%)	15.4% (25.9%)	11.5% (19.8%)	24.3%



WorldSkills Korea won the Champion 19 times at WorldSkills Competition

11. Success Factors

SUSTAINABILITY

SYSTEM

Human Resources

- 450 Vocational HS
- 201 Uni. + 139 College
- 40 Public VTCs
- Private sector VTC

Institutional Development

- Skills Encouragement Act
- Local skills competition
- Nat'l skills competition
- WorldSkills competition

Networking Platform

- Government Officials
- Political Leaders
- Vocational Institutions
- Enterprises(Sponsors)
- Media

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02

Country presentation

WorldSkills Capacity Building Centre in Chinese Taipei



Backdrop of Chinese Taipei's CBC

On March 13, 2019, Chinese Taipei collaborated with WorldSkills International -- signing Memorandum of Understanding and establishing the WorldSkills Capacity Building Centre(CBC).

This CBC, trailing South Korea's, is engaged in the promotion of skills development.



Memorandum of Understanding(MOU)

Strategic partnership

 Workforce Development Agency
Ministry of Labor



Geographical coverage

emphasison
African and developing
countries



Collaboration areas

focus on the areas of skills
development, including but not
limited to skills competitions, capacity
building, and skills training

Financial arrangement

on a case-by-case
basis



Chinese Taipei's CBC Progress

Since March, Chinese Taipei has engaged itself in skill development, including skills training, experience and practices exchange, skills competition as below.

Item	Type	Skill	Duration	Participants	Notes
1.	Skills training	Cabinetmaking, Autobody Repair	March 16~ March 21	Expert, Competitor	Completed
2.	Experience and Practical skills Exchange	Mechanical Engineering CAD	March 31 ~ April 5	Expert, Competitor	Completed
3.	Experience and Practical skills Exchange	Web Technology	March 31 ~ April 5	Expert, Competitor	Completed
4.	Experience and Practical skills Exchange	CNC Milling	April 7 ~ April 19	Expert, Competitor	Completed



Chinese Taipei's CBC Progress

Item	Type	Skill	Duration	Participants	Notes
5.	Skills Competition	Plumbing and Heating, Patisserie and Confectionery, Cabinetmaking, Joinery, Painting and Decorating, Jewellery, Refrigeration and Air Conditioning	April 9 – April 17	Expert, Competitor	Completed
6.	Experience and Practical skills Exchange	Industrial Mechanic Millwright	May 24 – June 2	Expert, Competitor	Completed
7.	Experience and Practical skills Exchange	Welding	May 27 – June 3	Expert, Competitor	Completed
8.	Experience and Practical skills Exchange	CNC Turning	April 24 – May 3	Expert, Competitor	Completed
9.	Skills Competition	Electrical Installation, Hairdressing, Beauty Therapy, Bakery	May 25 – May 31	Expert, Competitor	Completed
10.	Experience and Practical skills Exchange	Health and Social Care	May 25 – June 2	Expert, Competitor	Completed
11.	Experience and Practical skills Exchange	Electronic	June 3 – June 7	Expert, Competitor	Completed
12.	Experience and Practical skills Exchange	Plastic Die Engineering	June 4 – June 9	Expert, Competitor	Completed
13.	Experience and Practical skills Exchange	Mobile Robotics	June 10 – June 16	Expert, Competitor	Completed
14.	Experience and Practical skills Exchange	Landscape Gardening	June 15 – June 22	Expert, Competitor	Completed
15.	Skills Training	Automobile Technology	June 18 – June 26	Expert, Competitor	Completed
16.	Experience and Practical skills Exchange	Prototype Modelling	June 20 – June 26	Expert, Competitor	Completed
17.	Experience and Practical skills Exchange	Cabinetmaking, Joinery	June 28 – July 2	Expert, Competitor	Completed
18.	Experience and Practical skills Exchange	Information Network Cabling	July 7 – July 13	Expert, Competitor	Completed

Chinese Taipei 17 Workshop - Exchange on Woodworking Practice

Item	Type
5.	Skills Competition
6.	Experience and Practical skills
7.	Experience and Practical skills
8.	Experience and Practical skills
9.	Skills Competition
10.	Experience and Practical skills
11.	Experience and Practical skills
12.	Experience and Practical skills
13.	Experience and Practical skills
14.	Experience and Practical skills
15.	Skills Training
16.	Experience and Practical skills Exchange
17.	Experience and Practical skills Exchange
18.	Experience and Practical skills Exchange

- **Date:** June 28 – July 2, 2018
- **Participants:** around 30 Experts and Competitors from Hong Kong, Malaysia, Thailand, Japan, Chinese Taipei
- **Venue:** Taichung-Changhua-Nantou Regional Branch of Workforce Development Agency, Taichung City, Taiwan
- **Content:** experience and practice exchange on the skill of Cabinetmaking and Joinery.



16.	Experience and Practical skills Exchange	Prototype Modelling	June 20 – June 26	Expert, Competitor	Completed
17.	Experience and Practical skills Exchange	Cabinetmaking, Joinery	June 28 – July 2	Expert, Competitor	Completed
18.	Experience and Practical skills Exchange	Information Network Cabling	July 7 – July 13	Expert, Competitor	Completed

Chinese Taipei'

15. Training Program on Automobile Technology

Item	Type
5.	Skills Competition
6.	Experience and Practical skills Exchange
7.	Experience and Practical skills Exchange
8.	Experience and Practical skills Exchange
9.	Skills Competition
10.	Experience and Practical skills Exchange
11.	Experience and Practical skills Exchange
12.	Experience and Practical skills Exchange
13.	Experience and Practical skills Exchange
14.	Experience and Practical skills Exchange
15.	Skills Training
16.	Experience and Practical skills Exchange
17.	Experience and Practical skills Exchange
18.	Experience and Practical skills Exchange

- **Date:** June 18 – June 24, 2018
- **Participants:** one Expert and one Competitor from India
- **Venue:** Taichung-Changhua-Nantou Regional Branch of Workforce Development Agency, Taichung City, Taiwan
- **Content:** Skills training on the skill of Automobile Technology.



Mobile Robotics	June 10 ~ June 16	Expert, Competitor	Completed
Landscape Gardening	June 15 ~ June 22	Expert, Competitor	Completed
Automobile Technology	June 18 ~ June 24	Expert, Competitor	Completed
Prototype Modelling	June 20 ~ June 26	Expert, Competitor	Completed
Cabinetmaking, Joinery	June 28 ~ July 2	Expert, Competitor	Completed
Information Network Cabling	July 7 ~ July 13	Expert, Competitor	Completed

worldskills
Chinese Taipei

Thanks for your attention!

worldskills
Chinese Taipei

03

**Capacity Building Partnership
program of HRDKorea**

Sharing practices ; Capacity Building Centre

Yun Jung(Esther) Jwa

Deputy Director at Global HRD Cooperation Department

October 09, 2019



Self Introduction



Working experience at HRDKorea

- Jan 2008 : Employed at HRDKorea
- Jan 2008 - June 2014 : Jeju Regional Branch Office(EPS, RSC, NQT and etc.)
- July 2014 – Present : GIFTS
 - July 2014 – June 2016 : International Cooperation Team
 - July 2016 – Jan 2018 : Skills Competition Team
 - Feb 2018 – Present : International HRD Cooperation Department



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Korea

Technical Delegate Assistant (event), W5C2019
Member Organisation Staff, Manager WSI Capacity Building Centre

Show all positions and history

2018	Member Organisation Staff, Manager WSI Capacity Building Centre
2017-2018	WorldSkills Abu Dhabi 2017, Conference Programme Attendee
2017-2018	Member Organisation Staff, Manager of Skills Competition Team
2017	Member Organisation Staff

Source : WSI Website

Contents



1. Background

2. Activities

3. Analysis of CBPP

4. Future cooperation

WELCOME!

**2019 Capacity Building Partnership
Program for Skills Development**

2019 10월 5일 ~ 12일

October 5 ~ October 12



I. Background



Memorandum of Understanding



◆ Take an important role as the Skills leader country

Date	January 29, 2018 HRDKorea and WorldSkills International
Geographical Coverage	Africa countries Other developing members Potential member countries and regions
Thematical Coverage	Skills Development Skills Competitions Capacity building and Skills Training
Aimed participants	Skills Training for Competitors Capacity buling for Trainers, Experts, administrative staff



ROK WSC History



30 times participation
Over 50 years since 1967



Is it a new idea?

HRDKorea and GIFTS have transferred K-HRD over 30 years

Provide training programs

- ✓ Especially for foreign trainers(TOT)
- ✓ 500+ foreign trainers annually

Conduct ODA Projects

- ✓ Consulting service, VTC establishment
- ✓ Over \$20M of amount for the last 5 years
- ✓ Cameroon, Nicaragua, Uganda, Rwanda, Tanzania and etc



Performance of ODA Projects



Field	Project	Project Type	Duration	Budget (Thousand Won)	Ordering Organization	Note
Qualification System	Establishment of Vietnam National Technology Qualification System Competence Improvement Project	Dispatch of Experts, Involuntary Training	11-15	301,629	KOICA	Completed
Vocational Training	Taiwan, Uzbekistan Vocational Training Center Establishment Project	Establishment/Management of Vocational Training Center	8-11	594,070	KOICA	
	Audience in Establishment of Rwanda Integrated Technology Training Center	Establishment/Management of Vocational Training Center	10-12	830,000	KOICA	
	Consulting for Cameroon Advanced Vocational Training Center Establishment	Establishment/Management of Vocational Training Center	10-11	1,080,000	Export-Import Bank	
	Management of Vocational Training Center in Bagram, Afghanistan (EMC)	Management of Training Center	11-12/ 13-14/ 14-15	1,101,332/ 1,194,100/ 1,181,531	KOICA	
	Consulting for Expansion of Nicaragua Vocational Training Center into 9 Centers	Establishment/Management of Vocational Training Center	12-15	1,482,572	Export-Import Bank	
	Establishment of Cluster Master Plan for Comprehensive Technical Training in Egypt	Establishment of Master Plan	14-15	1,020,040	KOICA	
	Establishment of Uganda Vocational Training Center	Establishment/Management of Vocational Training Center	12-18	1,010,000	KOICA	
	Consulting Project for Establishment of Azerbaijan Vocational Training Institute	Establishment/Management of Vocational Training Center	15-19	2,180,000	Export-Import Bank	
	Inaugural Vocational Training Institute Support	Establishment/Management of Vocational Training Center	16-19	1,664,173	KOICA	
	Last Vocational Training Institute Support	Establishment/Management of Vocational Training Center	17-20	1,832,730	KOICA	
Skills Competition	UNESCO Project: Skills Transfer for Namibia Skills	Establishment of Skills Competition	15-16	300,000	UNESCO	Completed

Performance of Invitation Training



Number	Training Workshop	Date	Number of Participants
	Total		299 People
1	Training for Costa Rica, Mongolia, Namibia Skills Competition and Trainers	4-3-4-28	79
2	Skills Training for Vietnam Vocational Training Staff	6-19-6-23	10
3	Training for Korea ILO Vocational Capacity Development with Industry	6-26-6-29	15
4	2017 Invitation Training for Policy Model Consulting for Developing Countries in Employment and Labor Field	7-7-7-23	10
5	Invitation Training for Malaysia Skills Competition and Experts	7-23-7-28	5
6	Invitation Training for Master Trainers Capacity Building	8-7-8-25	10
7	2017 KOICA Global Invitation Training for Skills Competitors and Experts	8-7-9-12	17
8	Knowledge-sharing Workshop for Latin American Work-Learning Dual System	9-20-9-21	4
9	Invitation Training for Uganda Vocational Training Center Project Managers	9-17-9-20	5
10	2017 ASEAN-3 Vocational Capacity Development Forum Conference	11-7-11-9	109
11	Workshop for Sustainable OEC Skills Competition Cooperation	11-28-11-30	12
12	2017 Invitation Workshop for Policy Consulting for Developing Countries with Last High-Level Officials	11-28-11-30	8
13	Workshop for ASEAN Mutual Qualification Recognition Cooperation: Korea-ILO Cooperation Project	12-11-12-15	18
14	Training for 2nd Korea-Iraq Vocational Training Center Support Project	12-14-12-20	8

II. Activities

2018 Capacity Building Partnership Program

The 1st CBPP

Date April 2 ~ April 6, 2018
* Korea Regional Skills Competition period

Participants **10 Countries**
 . **WSIMembers** : Colombia, Costa Rica, Mongolia, Namibia, Zambia
 . **Non WSIMembers** : Azerbaijan, Ghana, Cameroon, Tanzania, Uganda

Contents Knowledge sharing of Korea Skills System and Study tour

The 2nd CBPP

Date Oct 5 ~ Oct 12
* Korea National Skills Competition period

Participants Chinese Taipei, Colombia, Costa Rica, Mongolia, Namibia, Japan, Zambia



2019 Capacity Building Partnership Program



Main program



Korea-skills Transfer for Aspiring Regions(K-STAR)

Period 2018 ~ 2020(3 Years)

Grant Official Development Assistance(ODA) Run by MOEL

Agency GIFTS to the HRDKorea

Partners **Latin America** : Colombia, Costa Rica **Asia** : Mongolia
Africa : Namibia, Zambia

- Support Areas**
1. Overall consulting service on establishing Skills Competition
 2. Capacity Building Program for Experts and Managers of partners
 3. Skills Transfer to partner countries through Korean Experts dispatch
 4. Intensive training for Competitors and Trainers

Main contents



- 1) Dispatch Korean experts to support each country's Regional/National Skills Competition
- 2) Intensive technical training in various skills during Korea Regional/National Skills Competition
- 3) Dispatch project manager to develop skills competition system for a long-term period



2019 Capacity Building Partnership Program



III. Analysis of CBPP

Analysis of CBPP

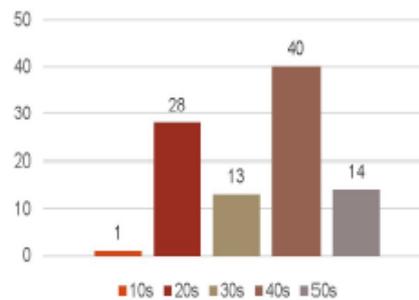
Skills Training Outline

- Period : April 3 – June 26
- Participating countries : Colombia, Costa Rica, Mongolia, Namibia
- Total # of Skills : 27 skills for 59 participants(Skills & Training period are different)

Gender



Age Distribution



Analysis of CBPP

Skills Training Outline

- Period : April 3 – June 26
- Participating countries : Colombia, Costa Rica, Mongolia, Namibia
- Total # of Skills : 27 skills for 59 participants (Skills & Training period are different)



VI. Future cooperation

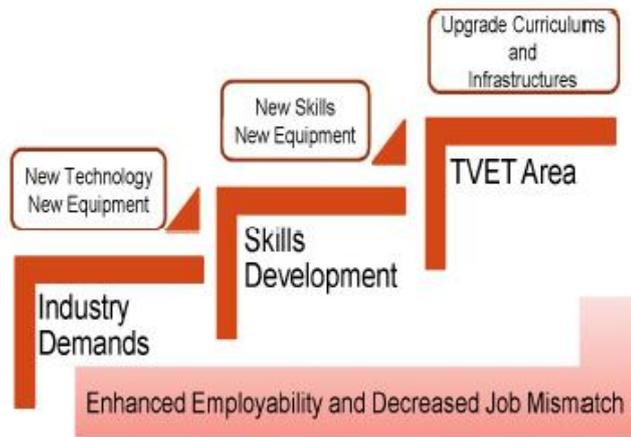
ASEAN-ROK Cooperation Proposal

Project Name	Capacity Building Partnership Program for ASEAN Skills Development
Period	2021 ~ 2023(3 Years)(TBD)
Fund	ASEAN-ROK Cooperation Fund(AKCF)
Beneficiaries	All ASEAN Members
Support Areas	<ol style="list-style-type: none">1. Skills Competition System Development for Administrative staff2. Capacity Building Program for Experts and Trainers, Competitors3. Supporting preparation for ASEAN Skills Competition and/or World Skills Competition

Importance of Skills Development

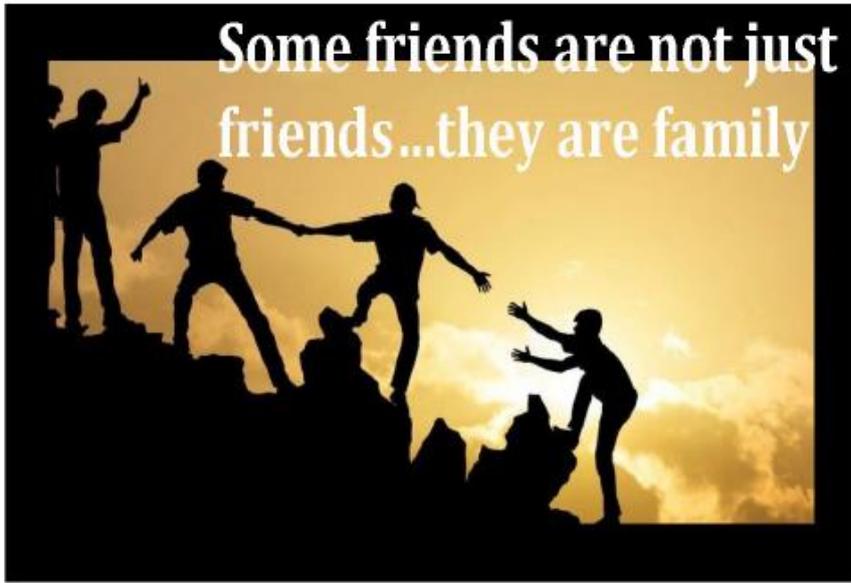


Skilled manpower for industry contributes economic development



Our next movement...





附錄 4：本次受邀活動照片



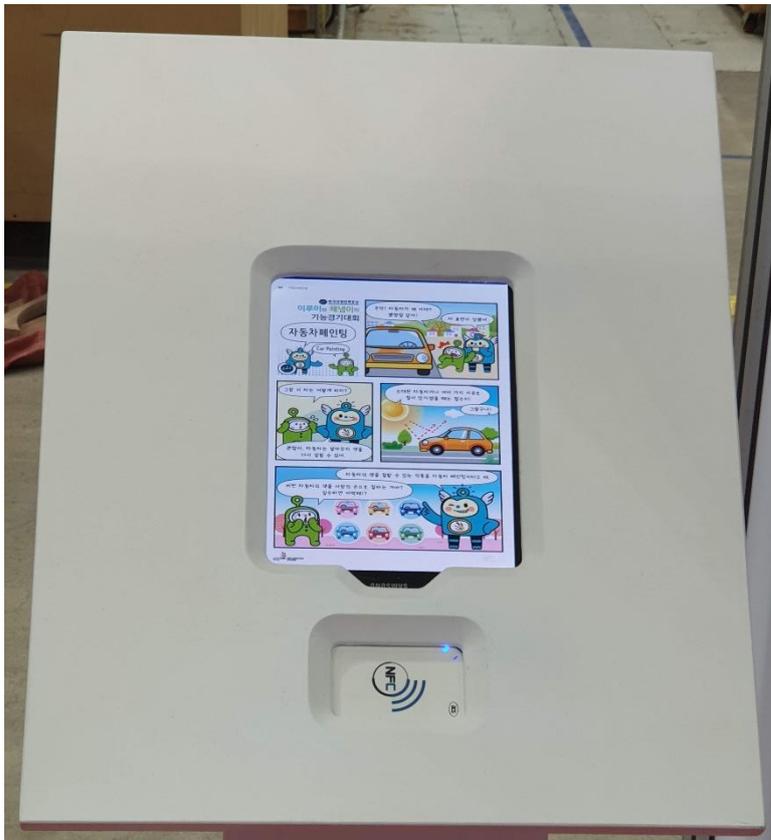
照一 韓國全國賽期間與產業人力公團總裁 Mr. Dong Man Kim(中)合照



照二 韓國產業人力公團副總裁 Mr. Yang-Hyun Kim(中)與我國代表合照(左為賴分署長家仁，右為陳簡任技正明山)



照三 韓國全國技能競賽場地－釜山會展中心(BEXCO)，場外為大型停車場



照四 韓國全國技能競賽場地各崗位架設平板，以動畫方式有趣介紹職類



照五 韓國全國技能競賽青年歌舞表演，使整個全國技能競賽有如嘉年華會，讓民眾有最好參觀體驗



照六 場內設置歷屆韓國國際賽回顧攤位，讓民眾能瞭解韓國歷屆國際賽的優異表現



照七 場外大型汽球空中懸掛全國賽宣傳布條，十分顯眼，民眾在遠處即能知悉全國賽資訊



照八 參訪三星重工造船廠合照(第三排右二為賴分署長家仁，第二排右四為陳簡任技正明山)