

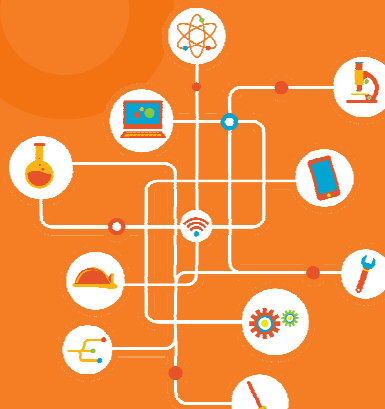
ADB

Labor Market Demand Driven Skill Development

Sang Hyon Lee

8th International Skills Forum
27–29 August 2019
Asian Development Bank, Manila, Philippines

#ADBSkillsForum



SESSION 6B :
Leveraging
Technologies for
Labor Market
Information
28 August, 2019

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Contents



Introduction



Sources of Labor Market Information



Role of Public Employment Services



Policy Recommendation



Industry 4.0 is here. Samsung Electronics in Viet Nam





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Introduction

Skills are a critical asset for individuals, businesses and societies.

With the industrial revolution 4.0 mismatching skills and jobs has become a high-priority policy concern.

Many employers report difficulties in finding suitably skilled workers.

Training institutions planning, implementing, and evaluating programs, curricula, and career guidance to meet the needs of both job seekers and employers, Demand of labor market.

LMIS and PES is critical for good decision making for training investment



Sources of LMI for skill development

Real time LMI : Job matching websites
Labor demand survey
Employment forecasting
Future job research



Real-Time LMIS

By using **Big Data technologies and analytics** for millions of online employer ads, real-time LMI can help to achieve a more complete understanding of labor and skill demand on a national or regional basis.



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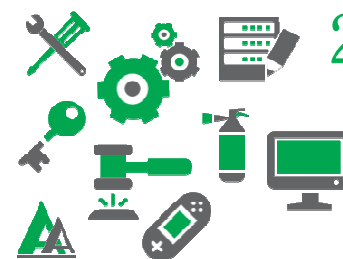
WorkNet as a real time LMIS

No. of Work-Net
app downloads



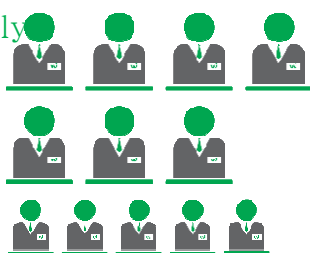
5.02
million times
(No. 1)

Job
openings



2,446,000
(No. 1)
jobs

No. of daily
visitors



805,000
people
(No. 1)

No of
Job placements



1,832,000
people

Visitors by Country: Germany 200,000/ Japan 460,000/
France 120,000/ the Netherlands 180,000

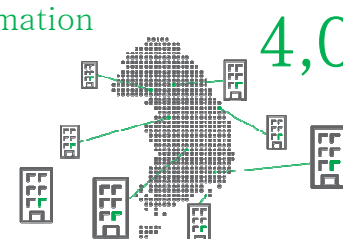
Youth-friendly hidden champions:
891 companies

No. of
Work-Net
members



12.23
million people

Job information
links

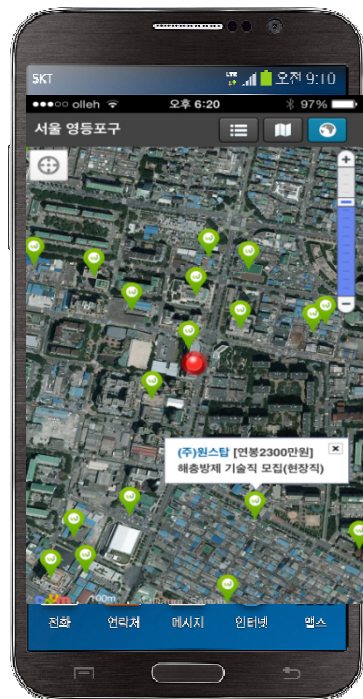


4,009,000
Job seekers

18 public institutions/ local governments, 81 regional Work-Net, & private employment portal



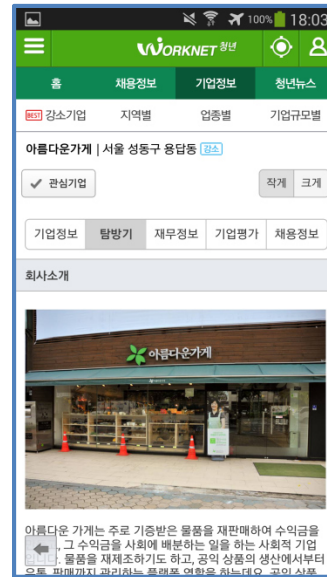
Mobile WorkNet



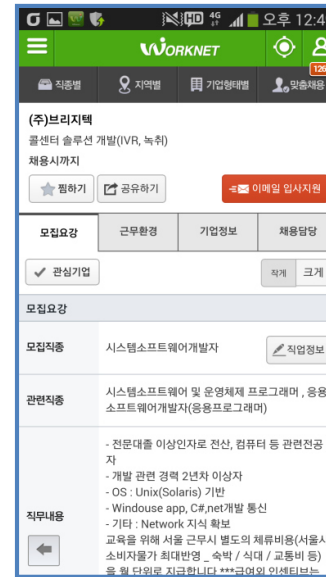
Youth service



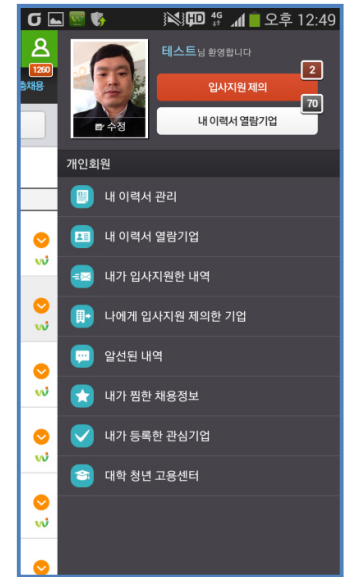
Company information



Details of job openings



Individual service





구인/구직 분석 >

구직자경쟁력 분석

취득/재직 분석

재직임금/기간 분석

재직자이력 분석

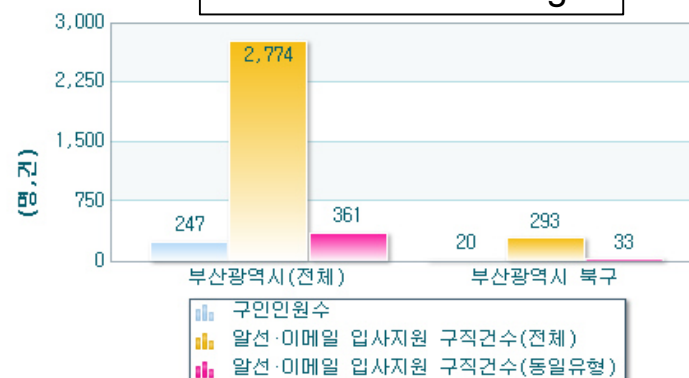
출력미리보기

No. of Jobseekers and job openings for social welfare counselors in BUSAN

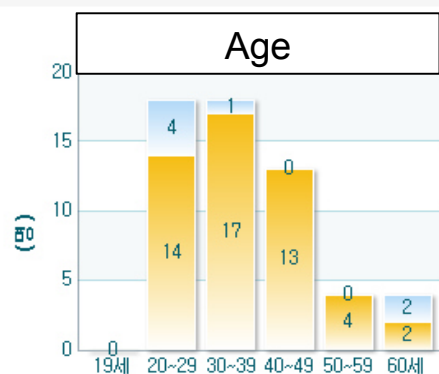
No. of job openings and job seekers



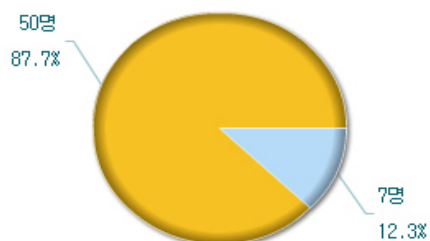
No. of Job matchings



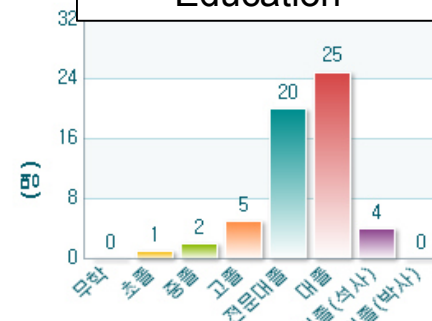
No. of Job seekers



Gender



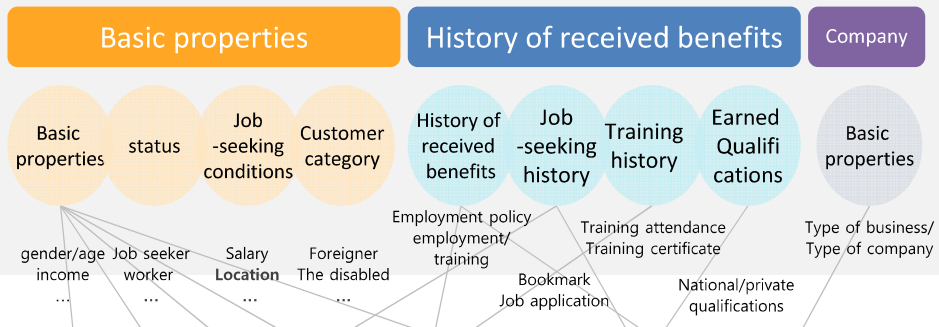
Education



How to recommend contents customized to individuals at “TheWork”

Generation of analysis mart on a regular basis from employment information system(Big-data Platform)

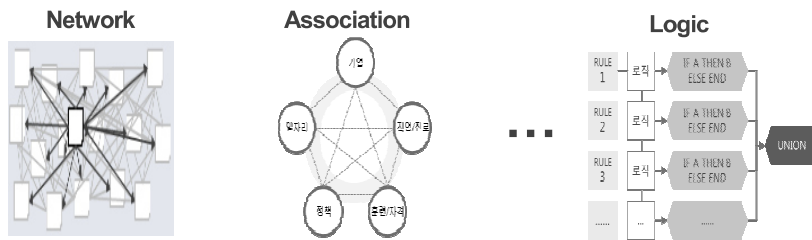
Analysis mart



Analyzing recommendations for each content using analysis mart data



The use of appropriate algorithms for analysis



Generation of the result of contents recommendation analysis by user(Service)

User	Job	Training	Policy	Qualification	Company	Vocational Psychology Test
name 1						

Provide recommendation results to the job portal → Display recommendation results to users



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전체 7,790 건

가나다 | 시작일 | 훈련기관 직종별 취업률 ↓ | 취업처 임금평균 | 만족도

10개씩

보기

Total training
courses



3D모델링CAM가공

국가기간전략훈련

(재)이찬 경남직업전문학교 (경남 창원시 마산회원구 ☎ 055-292-4000) ↗

훈련기간 : 2019-08-19 ~ 2020-03-19

훈련기관 직종별 취업률 TIP : 100 %

취업처 임금평균 TIP : 2,302,841 원

훈련비 : 5,673,000 원 (전액 정부지원)

모집정원 : 2

주말여부 : 주중

Wages

훈련시간 : 145 일, 총 1000 시간

과정 만족도 : ★★★★★

수강생 평균연령대 : 33 세

직종(직무수준) : CAM (3수준)

NCS적용여부 : 적용

관련자격증 :

Related
Job openings

나에게

자주물는
질문

구직자
동영상시청

수강평등록

HRD활용기
웹툰

□



로고 이미지가 없습니다



ICT 네트워크보안 관리자 양성과정

국가기간전략훈련

★스타강사과정

경원직업전문학교 (서울 관악구 ☎ 02-855-9611) ↗

훈련기간 : 2019-08-26 ~ 2020-02-27

훈련기관 직종별 취업률 TIP : 100 %

취업처 임금평균 TIP : 2,096,439 원

훈련비 : 6,577,000 원 (전액 정부지원)

모집정원 : 20 명

주말여부 : 주중

훈련시간 : 126 일, 총 1000 시간

과정 만족도 : ★★★★★

수강생 평균연령대 : 24 세

직종(직무수준) : IT시스템관리 (5수준)

NCS적용여부 : 적용

관련자격증 :

□



광주국제직업전문학교

(일반고 특화) 미용사(일반) 자격취득과정

내일배움카드제(구직자)

일반고특화과정

광주국제직업전문학교 (광주 북구 ☎ 062-266-6617) ↗

관련정보보기



직업훈련포털+
HRD-Net

일자리 관련정보



자격증 (8)

일자리 (3,518)

직업 (2)

등록일 | 마감일 ↑

(주)엠와이 - 공작기계 보조직원구합니다

근무지역 : 경기 시흥시

임금 : 200만원(월급)

학력 : 고졸대졸(2~3년)

채용마감 : 2019-08-16

등록일 : 2019-06-17

출처 : 워크넷

고용형태 : 기간의 정함이 있는 근로계약

(주)비엘정공건드릴 - (주)비엘정공건드릴 현장 가족을 모십니다.

근무지역 : 경기 화성시

임금 : 1만원(시급)

학력 : 학력무관

채용마감 : 2019-08-16

등록일 : 2019-06-17

출처 : 워크넷

고용형태 : 기간의 정함이 없는 근로계약

(주)비엘정공 - 연삭기 및 연마(광택)기 조작용

근무지역 : 경기 화성시

임금 : 1만원(시급)

학력 : 학력무관

채용마감 : 2019-08-16

등록일 : 2019-06-17

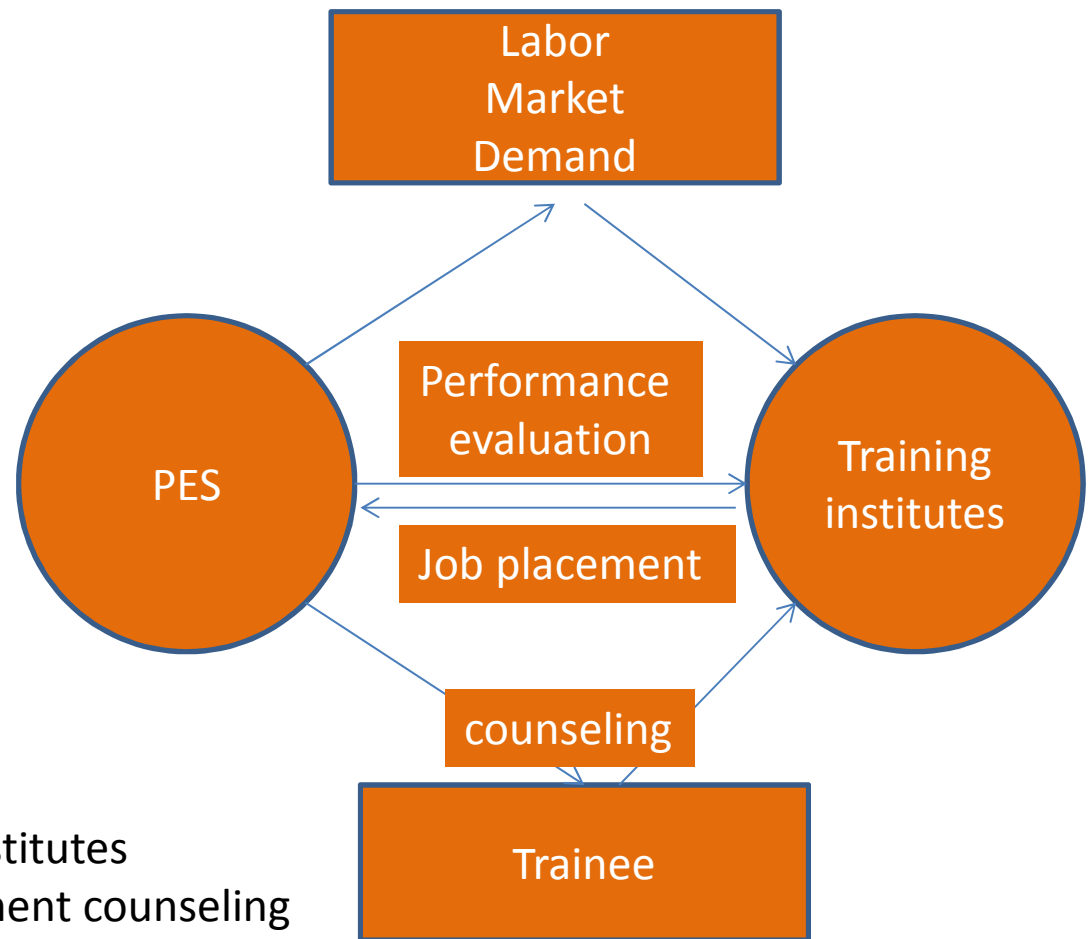
출처 : 워크넷

고용형태 : 기간의 정함이 없는 근로계약

대산정밀 - 절곡 밴딩 조작용 구합니다



PES and Training should be linked as one



[Roles of PES for skill development]

Supply Labor Market data

Performance evaluation of training institutes

Career development and skill development counseling

Job placement services for trainees



Policy Recommends

To increase the cost benefit of training investment, training decision should be made by clear evidence of labor market demand

Need to develop strong labor market demand data in various aspects

Need to research on the analysis of LMI, occupational information and employment forecasting

Develop online and mobile job matching system and use as real-time LMIS

Need to increase the competency of trainers and vocational counselors using labor market information



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Thank You!