

HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS IN VIET NAM

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Speaker's scientific background

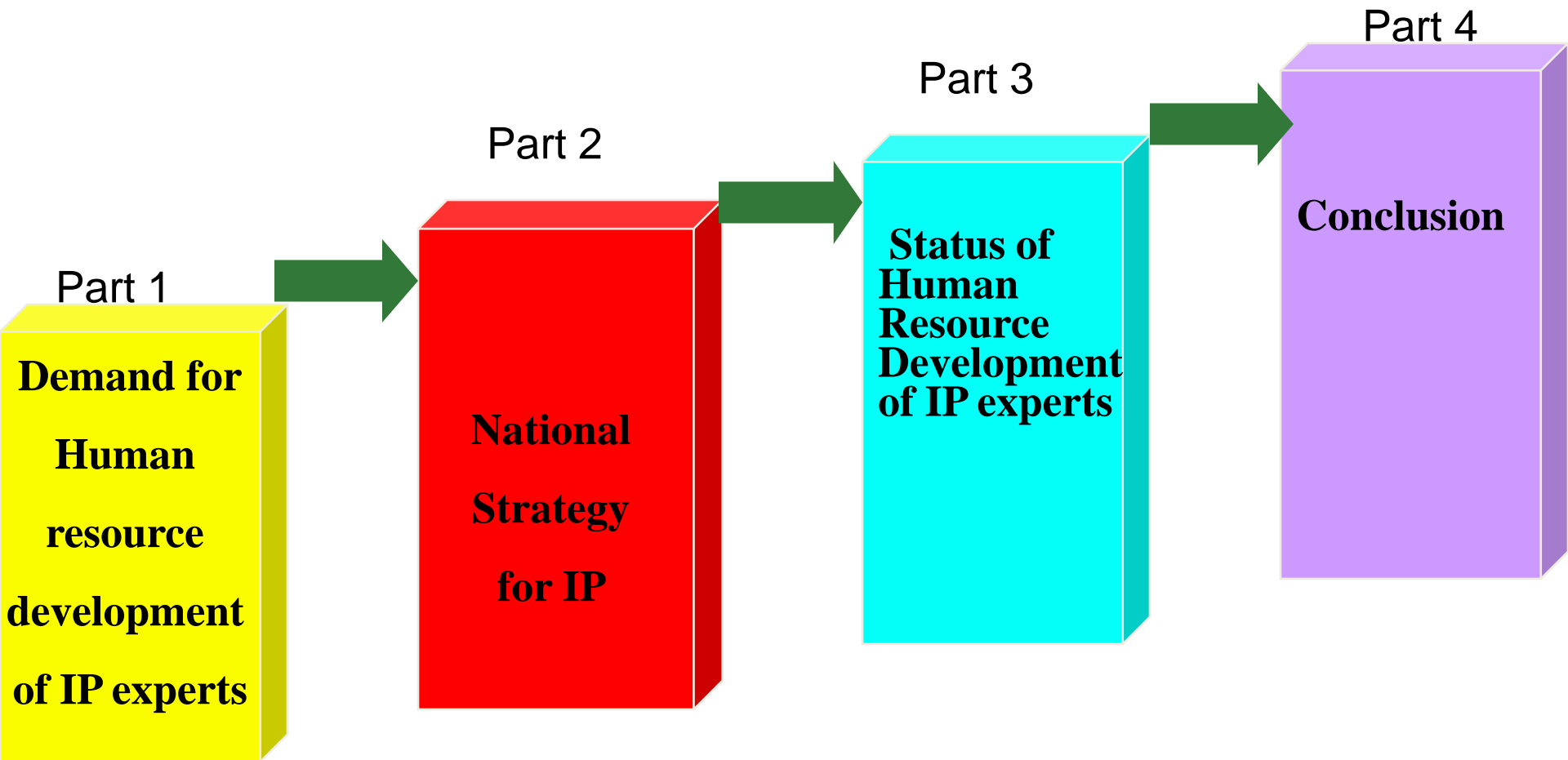


- Lecturer at VNU, Hanoi; IP Consultant; IP Attorney: having profound expertise, 15 years of teaching experience in management of IP assets, management of innovation, management of technology and technology transfer.
- The founder of the Vietnam Trademark and Patent Company (SANVIC).
- Chief Representative of the World Invention and IP Associations in Vietnam.
- Director of Innovation Center, Vietnam VP9 Company
- The Ambassador of Innovation, Euroinvent.
- Founder member of IP Management and Technology Transfer Section in some leading technical universities in Viet Nam.
- Representative of Vietnam (03 times) to present Country Report at the WIPO Forum on Technology Transfer.
- Sole Vietnamese scholar accepted by Asia-Pacific Innovation Conference (APIC) in successive years to be speaker at National University of Singapore (2011), Seoul National University (2012), National Taipei University (2013), University of Technology Sydney (2014), Kyushu University (2016).

Speaker's scientific background

- Being a critic expert of the TV Program on Inventions and Solutions on VTV2.
- Being awarded more than 20 awards as invention instructor and leading Vietnamese delegations of inventors to International Invention & Innovation Competition in Taiwan, Korea, Romania, Malaysia, Hong Kong, Croatia, Canada, Poland, Moldova.
- Being an international judge: KIE, KIDE (Taipei), i-ENVEX (Malaysia), EuroInvent, Inova (Croatia), WICC (Korea), HKIE (Hong Kong), ICAN (Canada)...
- Being team leader of a Viet Nam working group on IP policy and IP commercialization policy for ASEAN.
- Being a drafting team member for revising the Decision No.78/2008/QD-BGDDT of the Ministry of Education and Training on IP activities in universities.
- Being editor-in-chief of the textbook on *IP, Technology Transfer and Patent Information Utilization* (Bach Khoa, 2008, 2010); the book *Technology Administration and Innovation* (TOPICA, 2012), co-author of the training material on technology transfer (Management Training Institute, 2010), the book “*Case-study on Successful Commercialization of Intellectual Property*” (WIPO, 2012); *The Fundamentals of Innovation*, (Science and Technology Publishing House, 2012); *IP in Global Era* (JIPII, 2015), *Exploitation of IP assets for the green economy development in Vietnam* (National Economics University Publishing House, 2016), etc.
- Having been granted more than 30 certificates by domestic and foreign organizations in the fields of IP assets, technology transfer and innovation. Being the first Vietnamese expert granted WIPO's certificates: “*Technology transfer and commercialization of IP assets for senior technology experts*” in California University, the US, 2012; “*Support services and management of innovation support services*” in Switzerland, 2006, etc.

OUTLINE



DEMAND FOR HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

- Economic development is quite high and stable during 2011-2017, economic growth reaches 6.81% in 2017 (*source: VNA*).
- FDI is highly raising: Only for 12 months of 2017, the total of newly registered capital, addition and share contribution of foreign investors is of 35.88 billion USD, more than 44.4% in comparison with the same period of 2016 (*source: MPI*).
- Industry 4.0: Economic structure shifts from agriculture to industry, based more on technology.

DEMAND FOR HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

- Business environment criteria are counted based on the following points (according to the report of Global Management Consulting Firm-A.T. Kearney, 4/2004, surveying 25 developing countries):
 - Risks of business environment (social-economic environment, investment attraction capacity, Governmental supports, ...)
 - Quality of infrastructure (telecommunication, IT base...)
 - Cultural adaption (individual exchange and Globalization Index)
 - Protection of IP (copyright infringement rate, etc.)
- Regarding the IP base of the report, Vietnam was the last (IP: 0.01 point) while Canada, Australia and Singapore reached the first, second and third position.

Table 1: Patents /utility solution patents granted from 2010 to 2016
(source: NOIP)

Year	Patents			Utility Solution Patents		
	The Vietnamese	The foreigner	Total	The Vietnamese	The foreigner	Total
2010	29	793	822	35	23	58
2011	40	945	985	46	23	69
2012	45	980	1,025	59	28	67
2013	59	1,203	1,262	74	33	117
2014	36	1,332	1,368	66	20	86
2015	63	1,325	1,388	86	31	117
2016	76	1,347	1,423	114	24	138
Total	348	7925	8273	480	182	662

Table 2: Number of invention assignment agreements, invention license agreements registered in NOIP period 2003-2014 (*source: NOIP*)

Year	Concluded invention/utility solution license agreements	Concluded invention/utility solution assignment agreements
2003	0	
2004	1	25
2005	1	23
2006	0	17
2007	0	22
2008	3	28
2009	2	20
2010	2	25
2011	4	18
2012	1	28
2013	4	42

NATIONAL STRATEGY FOR S&T

- 1/ The Strategy for Science and Technology Development for the 2011-2020 period** (Decision No. 418/QĐ-TTg, dated on 11 April, 2012 of the Prime Minister Approving the Strategy for Science and Technology Development for the 2011-2020 period) with specific targets:
- a/ By 2020, S&T will contribute a significant part to the economic growth and restructure of the economy, value of hi-tech products and hi-tech application products will account for about 45% of the GDP. The speed of technology and equipment innovation will reach over 20%/year for the 2016-2020 period. Transaction value of the science and technology market will increase 15-17%/ year on the average.
 - b/ The number of international announcements from research themes funded by the State budget will increase 15-20%/year on the average. **The number of inventions registered for protection for the 2011-2015 period will increase 1.5 times higher as compared to those of the 2006-2010 period and the number of the 2016-2020 period will be twice higher than that of the 2011 - 2015 period,** especially the number of inventions innovated from State key S&T programs will be increased fast.
 - c/ It is strived to increase the total social investment in S&T at the level of over 2% of the GDP by 2020. It is ensured that investments from the State budget in science and technology reach at least 2% or more of the total annual State budget expenditure.
 - d/ By 2020, the number of officers in charge of scientific research and technological development will reach 11-12 persons per ten thousand people; training and examination are of the international standards, 10,000 engineers are fully capable of managing and operating hi- tech production lines of the country's branches and fields of development priority.
 - dd/ By 2020, 60 basic research and use organizations of the regional and international levels , which are fully capable of solving issues of national importance relating to science and technology; 5,000 science and technology enterprises; 30 hi-tech technology incubators and hi-tech enterprise incubators will be formed.

NATIONAL STRATEGY FOR S&T

5. Development of S&T services

b/ Intellectual property

- To improve capacities and facilities of the invention information system. To strengthen socialization of invention information services in order to ensure access, search and exploitation of invention information sources to look for available inventions and technologies and apply them to production, business and directions of science research and technology development, in which special attention is paid to new inventions and technologies.
- To set up and develop a network of organizations which support consultancy services on establishment, assessment, valuation, evaluation, exploitation and development of intellectual property.

DRAFT OF NATIONAL STRATEGY FOR IP

- The Draft composes of 03 main contents:
 - Point of view and general objective of IP system;
 - Specific targets by 2030 and
 - Strategic missions.
- General Objective: by 2030, IP system becomes main tool for promoting innovation to create intellectual assets, satisfying the demand for new products, in particular, contributing to create domestic technologies to develop industries, and to the corporate development and economic growth.¹¹

DRAFT OF NATIONAL STRATEGY FOR IP

- Specific objectives:
 - Raising the effectiveness of IP registration activities.
 - Organs and activities to protect IPRs are well used to against the infringements, in particular, the counterfeiting.
 - People are easily accessible to IP information and data for better R&D.
 - Socializing some phases of the IP registration.

DRAFT OF NATIONAL STRATEGY FOR IP

- The Strategy is conducted according to 03 phases: 2018-2020, 2021-2025, 2026-2030.
- Specific missions are conducted via programs:
 - Program on perfecting IP laws;
 - **Program on human resource development for IP experts;**
 - Program on upgrading capacity of IP technology information exploitation, in particular patents, for R&D and technology transfers;
 - Program on supporting the development of intellectual assets;
 - Program on mobilizing social resources for IP national administration to socialize some other services.

PROGRAM FOR IP DEVELOPMENT 2016-2020

Divided into 02 types (central and local-scale management) and focuses on the 04 main following contents:

- 1/ Raising the awareness, capacity for creation and development of intellectual assets: dissemination of knowledge, **training course development for IP experts** and other (1.000), material publication, IP search support, set-up of IP management division, etc.
- 2/ Supporting the IP registration, management and protection
- 3/ Supporting the commercial exploitation and development of intellectual assets
- 4/ Supporting the application of intellectual assets into practice

STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

1/ WIPO helps Vietnam build national strategy on intellectual property

- The MOST and WIPO on March 22, 2017 signed a Memorandum of Understanding (MOU) on cooperation in building a national strategy on IP for Vietnam.



STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

- An official cooperation mechanism between MOST and WIPO is created to develop the strategy to solve the country's specific demands and priorities in the long, middle and short terms.
- WIPO and Vietnamese experts work together to discuss the real situation of IP, develop a strategic orientation as well as completing a draft strategy to submit to the Vietnamese Government. (*Source: khoa hoc phat trien.vn*)

STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

WIPO's Enabling Intellectual Property (IP) Environment Project

- The Project, aiming to enhance the capacity of developing and less developed countries to innovate, manage and commercialize technologies, has been deployed in Malaysia, Thailand, the Philippines, India, Iran and Mongolia. In Vietnam, the project will be implemented over five years, from 2018 to 2022.
- The training courses run from 25 until 29, September, providing the participants with the necessary knowledge and skills to negotiate and draft technology transfer contracts, assess the prices of intellectual assets, and make policies related to technology transfer.

STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS



Meanwhile, during these events, WIPO officials introduced the “Hub and Spoke” Structure and officially select the units to participate in the project. At present, the NOIP is connecting a network of 30 Technology and Innovation Support Centers (TISC) at universities and research institutes, of which 20 units have registered to join the project aided by the WIPO.

STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

2/ APEC intensifies the effectiveness of IP protection system

- * At APEC meeting (SOM 1), 18-19/2/2017, more than 100 participants from 21 economies of APEC met for 44th APEC Meeting on IP experts (IPEG 44) with the following points:
 - IP Policy;
 - Raising effectiveness of IP protection system,
 - Implementing TRIPS,
 - Implementing effectively Collective Action Plan (CAP) on IP to reach objectives of Bogor, APEC on trade and investment freedom by 2020;
 - Human resource development on IP experts for developing and less developed members.
- * Award on “Innovation, research and education of APEC” (ASPIRE).

STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS



18/2/2017, 9th Meeting of Panel for Partnership of Science, Technology and Innovation (PPSTI)

STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

3/ Memorandum of Cooperation between the NOIP and the JPO on 13 February 2012 in Vietnam and 22 February 2018 in Japan, under which, the JPO assists NOIP to improve the effectiveness of the Vietnamese intellectual property system, thus facilitating trade and investment between Vietnam and Japan.



STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

- Cooperative activities within the framework of the MOC focus on the following areas, namely:
 - (i) consolidating IP policies,
 - (ii) supporting the examination process,
 - (iii) strengthening the automation of IP administration system,
 - (iv) enhancing public awareness of IP and
 - (v) training human resources.

STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

4/ Training of IP Experts

18/1/2018, School of Law, VNU, Hanoi introduces and starts the Project “Training of IP Experts at the North and Middle of Vietnam”.

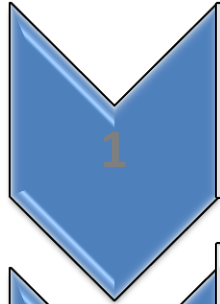
- General Objectives: disseminating the knowledge of IP to raise the awareness of people, raising the capacity of IP owners and players, in particular universities, research institutes, enterprises and IPRs implementation organs under Industry 4.0.



STATUS OF HUMAN RESOURCE DEVELOPMENT OF IP EXPERTS

- Project organizes 17 in-depth training courses (including 04 pilot and 13 official) in the North and Middel of Vietnam with more than 400 participants.
- Program uses for 5 groups:
 - (1) Lecturers of technological and technical universities;
 - (2) Lecturers of economic and financial universities and enterprises;
 - (3) Lecturers of social and human, artistic, architectural universities;
 - (4) Officials implement IPRs such as market controllers, custom, police;
 - (5) Officials implement IPRs at courts and procuration.

TRAINING COURSES OF IP EXPERTS



- Program C for IP Experts to get IP Attorney license by NOIP, USSH (2004) and HCM Ulaw (2005)



- Program B for IP Experts by NOIP



- Program A for IP Experts by NOIP



- Local IP Manager (2008) by S&T Dept. and VIIPR

CONCLUSION



Thank you!

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