



## Research of Economy and Technique Initiative on PhD and Postdoctoral Fellows & Experts Sustainably I

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### Abstract

The educating PhD & postdoctoral fellows & experts work will be having a significant role in that competitive world so we must consider intently to induce them complete their research excellently. So the study for developing economy innovation will have an important effectiveness recently since the more competitor has occurred continuously. Therein we meet the urgently key joint to continue our future diagram with sustainability. The economic development must follow academic proof and simulation. Hence the PhD experts and post-doctoral senior researchers must stand up to seek new innovative one in advance who could propose future construction with available proof and clarification. Like quantum field they could propose the plan with regards to the deepening theoretic model and then they proceed the corresponding trial to find further and seek the new phenomenon which is some achievements. Then to stay them to do one thing that he may publish the relevant achievements in Journal for sake of provoking reader consideration to think whether it is feasible recently or in future etc. problem. There is many things for us to pursue results like basis one, applied one etc.. Only if throughout that process could we wield those PhD experts and postdoctoral station's capability for encouraging them and making the subject progress and achievement. Thereby the collect and precise courage can achieve enough entity force to process their challenge about taking up mystery world phenomena at all.

**Keywords:** economy; research; technique; initiative; sustainably; PhD; Postdoctoral fellow; expert

### 1. Introduction

The high technique product studied by PhD & postdoctoral fellows will affect our life quality throughout wielding experts and engineers effort in modernization road whose aim will concentrate on artificial intelligence product usefulness thoroughly with investigation and learning. So we can propose those advance mind to complete one dragon of producing, learn, research, use for the sake of promoting our technique advance and its maintenance. We must learn from developed country many methods so as to shorten the R & D (Research & development) time and fee which may be purchased with the technique contract and equipment etc.. so we should know the key joint to negotiate the price and advantage as for some the most advanced technique in case of preventing the sudden matter occurrence like supply chain sudden interruption and war happening etc.. so that we have to maintain a certain number scientist, expert, qualified engineers to grasp the situation about the technique &

equipment know what to need do, what to be first thing etc. a series of problems. At last the scientists etc. may be wielding their positively effectiveness to push the technological achievement continuously and sustainably. [1~14] Only if throughout that process could we wield those PhD and postdoctoral station's capability for encouraging them and making the subject progress and achievement. Thereby the collect and precise courage can achieve enough entity force to process their challenge about taking up mystery world phenomena at all.

Therefore we must make ensure that letting PhD to initiate innovation's papers included the latest achievement is able to be released in famous journal for widen our reader whose audience can read and understand it for them to adopt or think about the content. So that it can wield its correspondingly important role in research & development activity. Therein we definitely emphasize the experts' role in industrial business and help them to solve the actuality problem constantly since

they are having high diploma and certificate with many released papers in famous journal which may exhibit them being able to complete the sophisticated mathematics induction and inference for our enterprises like Albert Einstein, Qinglai Xiong etc a lots of eminent scientists.

## 2. Discussions

### 2.1 In 2024 the whole top 11~16 &17~22 brand Auto's sale ranking

The whole Auto brand sale has been ranking in 2024 like Table 1 where the Audi~Buick Auto company occupies 0.66~0.38 million sale amount and its y-o-y attains 2.8%~1.6% accordingly in 2024. Therein the Audi leads to the Tesla 20,000 ones who barely becomes top one. On the other side Nissan Li Auto has occupied the 13th 14th ranking accordingly and followed by Haval &Buick Auto one.[4]

**Table 1 The world top 11~16 brands' Auto ranking**

No.	Brand	Amount, million	y-o-y
11	Audi	0.66	2.8%
12	Tesla	0.64	2.8%
13	Nissan	0.60	2.6%
14	Li Auto	0.50	2.1%
15	Haval	0.39	1.7%
16	Buick	0.38	1.6%

The whole Auto brand sale has been ranking in 2024 like Table 2 where the Audi~Buick Auto company occupies 0.38~0.27 million sale amount and its y-o-y attains 1.6%~1.1% accordingly in 2024. Therein the Hongqi leads to the Boundary 2,200 ones who barely becomes top one. On the other side Jetour Aion has occupied the 19th 20th ranking accordingly and followed by Trumpchi &Leap Auto one.[5]

**Table 2 The world top 17~22 brands' Auto one**

No.	Brand	Amount, million	y-o-y
17	Hongqi	0.38	1.6%
18	Boundary	0.38	1.6%
19	Jetour	0.36	1.5%
20	Aion	0.33	1.4%
21	Trumpchi	0.32	1.4%
22	Leap	0.27	1.1%

### 2.2 Germany service &cultural industry

The service industry has occupied an important status which includes trade, customer service, transportation, communication, media, finance, insurance, enterprise service, public service, private service etc. the whole service industry. So they become the Germany employing driving-forward field, service trade towards openness highly. In 2023 the service business employee number has arrived 34.6 million ones. On the other side the Germany has been the big

exportation country which has a stronger competition in some fields like architecture, navigation, communication, post, technique service, financial service, EDV service, and environmental service etc. aspects and makes the world top level. For the sake of cultivating service exportation potential the Germany has contributed to the world trade organization(WTO) and under bilateral trade negotiation frame to progress a step for reducing trade tariff specially in progressing a step to promote emerging economic community to open financial service, computer service, telecommunication, navigation, logistic, post, environmental one, engineering contrast, free occupation like architecture, engineer, lawyer, enterprise counselor service &tourism openness. [6] On the other hand, the Germany has been a strong one with culture industry. Its highly emphasis culture will promote the social progression and be economic development's improved role whose cultural industry consumes less natural resource so it is a highly &highly additional value developed style and its will enhance the national citizen's quality with an important method, the economic continuously developed promotion power and comprehensive national force's an important performance. The Germany cultural industry has dominated in the whole economic systems position and in creating opportunities, enhancing social treasure &promoting economic development aspects to wield the more and more effects. It has regarded cultural industry as an creative economy whose meaning includes in music economy, library market, cultural market, broadcasting one, design one, construction one, News publishing, performance art market, advertisement market, software and E-game industry etc. 11 core field sectional markets. [6]

### 2.3 QS world top 500 universities ranking by Canada

The QS world top 500 ones ranking has been analyzed by Canada like in Table 3 whose turns will indicate University of Toronto~Queen's U with 21~209 occupation in 2024 QS ranking. The University of Toronto promotes 13 positions and McGill University & University of British Columbia promotes 1 &13 position respectively. In the whole the most Canadian ones have increased somehow that means the ones in Canada have strong entities.

**Table 3 The world top 500 Universities ranking in Canada. [16]**

Ranking	University	2024 QS	2023 QS
1	U of Toronto	21	34
2	McGill university	30	31
3	U of British Columbia	34	47
4	U of Alberta	111	110
5	U of Waterloo	112	154
6	U of Western Ontario	114	172
7	U of Montreal	141	116

8	U of Calgary	182	242
9	McMaster U	189	152
10	U of Ottawa	203	237
11	Queen's U	209	246

**2.4 Rosalind Picard research team &China-Chad relations &economic co-operations**

She and her research team has developed many kinds of wearable device which can monitor body's biological data. Those devices are now application to widely medical field such as may help to inspect epileptic seizure monitor infantile autism patient moody change assist research depressive illness post-traumatic stress-disorder etc. disease. [13] She has acquired one hundred item patents in that field. Based on that research she creates two companies: Empatica &Affectiva which concentrates on developing inspection epileptic seizure intelligence wearable equipment and reading the human moody artificial intelligence technique tool accordingly.

The people to people exchanges have included in following aspects. 1. China has sent 19 groups of medical teams to Chad; 2. China has set up malaria control center in Chad; 3. The sister cities includes N'Djamena with Liuzhou &Chongqing. [14] The mentioned ones has been from Chinese Foreign Ministry. On the other side China-chad economic cooperation has indicated over 1.1 billion dollars in 2023 trade volume. Meanwhile their economic cooperation also includes in below three aspects. 1. Main sectors. Agriculture, infrastructure and energy; 2. China mainly import. Crude oil &cotton; 3. mechanical, electrical &chemical products.

**2.5 Agriculture mechanics company prospective**

In light of China company top 500 strengthening data our country company average research &development strength has been 1.56% which is far lower than other developed countries creation level. In agriculture business that phenomena is still existing so the technique research &development lowness may cause that the product procedure level is hard to breakthrough, therein the entire level has difference so they are still lying in lower market. [12] There is worthy to talk the mentioned world ranking top six agriculture mechanics companies have different alignment in China territory so as for the China agriculture mechanics market development confidence has been enough. With regards to the local agricultural company it had hoped to erect cooperation, meanwhile it is able to cultivate the world-scale reputation's nation agricultural mechanics brand which will be our destination. At the same time Canada has 37 million population which is less than USA California state's 40 million one, so it would be a national area being the second largest one which means that there is an enough plant space. The Canada has been the global top five agriculture product exportation's nation and also been the global biggest oats and colza oil exportation one, and also been the global biggest hyacinth bean and pea producing exportation nation. Therefore the Canada has also catalyzed some of innovation agricultural technique to initialization company. On the other

side the Canada Alberta venture last month an article has concluded how to afford service for 1,500 customers in the whole country whose customer average agriculture area has attained 4,000 acres and they have expanded to USA currently. Decisive farming which lies in Canadian Alberta established in 2011 and has acquired about 6.7 million USD capital for developing its patent software of "My farm manager(MFM)"has afforded three mere farm functions as below. 1. agricultural management promotional achievement; 2. precisely agricultural enhancing products; 3. corn plant sale enhancing income. Recently that company has presented the north American 40 kinds of different plant types since it has beyond 5 million acres earth in that systematic one.

**2.6 Wuhu city introduction and two new policies stimulating consumption activity**

The Wuhu city has still a famous reputation as <Jiangdong famous one>,.<Wuchu famous region> which is leader of the four big cities in Anhui province first open one, the important port in Changjiang water transferring and still Nanjing municipal circle and Hefei municipal circle and G60 technological innovation's important city. Its four big polar industries has concluded as automobile &its components electronic electricity materials wire &cable etc.. In 2023 it has realized the regional producing general value with 474.1 billion yuan ad regional producing general one with 126.6 thousand yuan, in additional the third service busyness increase value rate will as 3.9:46:50.1. The Wuhu as an important city played the 3-D animation making center like the famous <Boonie Bears> with Shenzhen Huaqiang digital company which would be collaboration's series drama and carnival cinema. [7]

To promote industrial field scale transaction it can change the new with the old. The Liaoning may emphasize to push the industrial technique and specially in device digitalization intelligentized creation and update. Heilongjiang would concentrate on chemical construction material aeronautics etc. key business for enlarging force to promote producing equipment energy one etc. creation, push platform establishing period investment and bonus good effectiveness can be granted prize etc one. [11] At the same time in Hujian province Xiamen city it has distributed measures for creating updated etc. 11 fields to enlarge force doing "Two new" policy. They has planned in this year first season to push and realize 40 equipment updated items for the sake of developing high quality product to push new activity. In Jiangsu they will push mobile phone i-pad portable computer bluetooth headset etc. digital product bonus special activity whose criteria occupies product dealing price 15%.

**2.7 Research &development fee expense tendency**

The E-game company like Sanqi Huyu &Kaiying Net has created 140~190 million expense in last season of 2023 whose average season arrives 178~129 million yuan respectively in Table 3. Furthermore the latter's q-o-q indicates 54% which means the highest speed was made by it in 2023's last season.

**Table 3 The Research &development fee expense trend in 2023, million yuan(unit).**

Company	Q1	Q2	Q3	Q4	Average	q-o-q
Sanqi Huyu	200	188	185	140	178	-24%
Kaiying Net	95	111	123	190	129	54%

The E-game company like Sanqi Huyu, Kaiying Net, Gubit has created 121~192 million expense in last season of 2024 whose q-o-q arrives -31%~, 44%, 6.3% million yuan respectively in Table 4. So Kaiying Net’s q-o-q indicates the maximum rate which means the highest speed was made by it in 2024’s third season. On the whole the trend will exhibit some saw’ complicated differences.

**Table 4. E-game R &D expense tendency, million yuan(unit). [17]**

Items	24 Q1	24 Q2	24 Q3	q-o-q
Sanqi Huyu	175	176	121	-31%
Kaiying Net	111	118	171	44%
Gubit	186	205	192	-6.3%

### 3. Conclusions

The high technique product will affect our life quality throughout wielding experts and engineers effort in modernization road whose aim will concentrate on artificial intelligence product usefulness thoroughly with investigation and learning. So we can propose those advance mind to complete one dragon of producing, learn, research, use for the

sake of promoting our technique advance and its maintenance. We must learn from developed country many methods so as to shorten the R &D time and fee which may be purchased with the technique contract and equipment etc.. so we should know the key joint to negotiate the price and advantage as for some the most advanced technique in case of preventing the sudden matter occurrence like supply chain sudden interruption and war happening etc.. so that we have to maintain a certain number scientist, expert, qualified engineers to grasp the situation about the technique & equipment know what to need do, what to be first thing etc. a series of problems. At last the scientists etc. may be wielding their positively effectiveness to push the technological achievement continuously and sustainably.

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