



# REVIEW OF RESEARCH

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## EDUCATIONAL QUALITY IMPROVEMENT THROUGH SKILL DEVELOPMENT

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### ABSTRACT:

India is recognized as one of the youngest nations in the world. It is estimated that around 2025 India's population will surpass China's ranking the 3rd most populated countries in the world. Hence, there is a need to further develop and empower the human capital to ensure the Nation's global competitiveness. As far the economic progress of our country is concerned, India is still lagging behind due to various problems like poverty, unemployment, illiteracy, medical infrastructure etc. Youth plays a crucial role in achieving economic prosperity of the country. In the present scenario, it is found that most of the youth being educated are facing severe unemployment problem due to lack of skills and technical knowledge. Most of them are unaware of the developments taking place in the modern world.



**KEYWORDS:** Youth Empowerment, Unemployment, Skill Development, Economic Progress

### INTRODUCTION

Skill development means developing yourself and your skill sets to add value for the organization and for your own career development. Fostering an attitude of appreciation for lifelong learning is the key to workplace success. Developing your skills begins with assessing which skills are important for your desired career development.

Skill development has been considered one of the critical aspects for job creation in India. India has huge demographic advantage with more than 60% of the population is in young age group. But in order to get dividend from such large work force, employability has to be improved. As per the current statistics only 10% of the fresh graduates are employable and rest 10% lack skills required for eligibility to be hired by corporate. India's GDP is growing at great rate but job creation is not catching up with it.

In today's age of globalization and technically mutated world, skill building is an important weapon to boost the efficiency and the quality of services for the advanced productivity and economic growth. A very important factor for the success of skill building is the practice of incorporating life skill training, within all skill training programs. About 90% of employment opportunities require vocational skills. Only some of our graduates get employed. The rest are unable to get suitable employment due to lack of employable skills.

### **NEED OF SKILL DEVELOPMENT IN INDIA:**

- We need skilled India as we have maximum young population without jobs. If, their potential is not harnessed they will fall prey to drug addiction and other anti-social activities, which we as a nation cannot afford.
- The skilled workforce is crucial for the success of recently launched missions-Make in India, Digital India and Smart cities.
- With China gradually vacating its factories, with rising Chinese wages and an appreciating Yuan, and also with internal demographic challenge, India has an opportunity to become a factory of the world.
- To convert this vision into reality, India needs to create a skilled and productive workforce matching international standards of quality and productivity through integration of skills and training along with education.
- Skills are needed to those currently in colleges for them to be better employed.
- With most of the major economies of world having sizeable ageing population, India has huge opportunity of serving the booming market.
- There have been numerous instances where a student is pushed in to a particular field due to parental/peer pressure only to realize at a later stage in life about his/her passion or calling in life and to start all over again from scratch
- Introduction to skill training at a young age will by all means give the student an opportunity to explore various options and accordingly, narrow down on a vocation of his/her liking
- In today's scenario there are ample opportunities that one can choose from and excel in.

### **FACTORS IN INDIAN EDUCATION SYSTEM THAT PREVENT SKILL DEVELOPMENT OF STUDENTS**

- The Indian education system puts maximum emphasis on bookish knowledge. Hence, when an individual graduates, he/she struggles to apply this knowledge in the real life scenario
- From primary to upper secondary, the subjects covered in the school curricula are the languages (mother tongue/regional/foreign), mathematics, science and technology, social science, art education, physical training etc. It will be observed that the curricula do not cover components of employable skills nor is there any option to introduce students to different vocations
- The Indian education system does not consider the component of skilling in its curriculum. The option of vocation education is limited to certain boards, which do not cater to the larger target audience. In India there are different boards that follow different systems/curriculum
- The two major reasons of skill shortage are faculty and facility. The faculty's role needs to change; it needs to flip around in a way that the teacher facilitates the overall learning of students rather than only distributing notes

### **SKILL DEVELOPMENT PROGRAM TRAINING AND WORKSHOPS IN INDIA**

Many institutions across the nation are engaged in highly specialized academic and industry training programs to promote skills among its students and youth. The central government initiative to launch a multi-tired campaign to promote skill development training programs across the various states has led to the conception and operation of the National Skill Development Mission in 2015. This important body approves and governs such initiatives targeting especially the students and professionals in expanding their understanding and opening new career opportunities for them.

Apart from such platforms, the top pioneer institutions and universities across the nation, which include the AIIMs, IIMs, IITs, NITs, IISC, IIST, etc also host a massive number of workshops each year, either by the department or in partnership with the core companies.

**FOLLOWING ARE THE TOP SKILL DEVELOPMENT COURSES OFFERED BY DIFFERENT INSTITUTE IN INDIA:****• CSIR-CDRI workshops**

As a part of the Skill India initiative to improve employment and innovation in the field of research and development, Central Drug Research Institute (CSIR-CDRI) has initiated accredited training and certification programs on the application of chemical analysis and biological evaluation tools. This platform offers practical lessons and hands-on training experience

**• INUP sponsored hands-on training**

Indian Nano-electronics Users Program (INUP) is an initiative started by the Centers of Excellence in Nano-electronics (CEN), based at IISc Bengaluru and IIT Bombay, solely dedicated to developing innovations in the field of Nano-science and Nanotechnology. The main motive behind the Genesis is to increase the accessibility of state-of-art infrastructure to the young researchers and students of the nation, within and other institutions.

**• ISRO Sponsored Training and Workshops**

The Indian Space Research Organization (ISRO) conducts different levels of skill development programs for Undergraduate (UG) and Post Graduate (PG) students in the form of workshops, training, and internships, mainly in the field of design and development. A hub of institutions take part in offering such training in association with ISRO, like ISRO Institute of Space Science and Technology (IIST) Trivandrum, Indian Institute of Remote Sensing (IIRS) Dehradun, National Atmospheric Research Laboratory (NARL), ISRO Satellite Centre (ISAC), Semiconductor Lab (SCL), Chandigarh etc.

**• Training and Research at IGMPI**

The Institute of Good Manufacturing Practices India (IGMPI), is another national level platform, which aims to promote research activities and innovations among life science graduates and postgraduates in interdisciplinary branches of science. The organization has been approved by the Quality Council of India (QCI) and Ministry of Human Resource and Development (MHRD). The program offers project training and research nurturing platforms in two formats:

- ✓ 3-6 months duration.
- ✓ One year projects.

**• IIM Ahmedabad collaborative research workshop**

Each year, IIM Ahmedabad conducts research workshop series, thrice, across different states to spread opportunities and platforms to research students and supervisors of the many academia in the nation. The past year saw the meet up held in Mumbai, Tumkur, Dehradun, and Varanasi. The institution initiates tie-up with the participating academic, while the event usually lasts for 2-3 days, held over the weekend. New themes are cultivated each year giving plenty of opportunities for the research community to experience different components and specializations in their field. The workshop held at Dehradun in 2018, covered tips to generate and implement research ideas in the best suitable manner.

**• Online Platform offering Workshops and Training Skyfi Labs:**

Along with direct face-to-face confrontation, there are many online resources which provide a user-friendly platform to develop interest and skills in interdisciplinary streams apart from regular academics. Skyfi Labs offers a robust platform to learn and take up projects in multiple areas of Engineering and Science. The main domains include Robotics, Internet of Things, Mechatronics, High School and Higher Secondary level, Electrical, Electronics, Civil, Mechanical, Computer science, Automation, open source hardware and software platforms (Arduino), and Wireless Technology. This company has tie-ups with the top universities of the nation, includes IIT Kanpur, and as well as the industries, and the training centers are distributed to over 27 places across the nation. Mentorship offers a direct one-to-one communication approach, wherein doubts are cleared systematically without pause.

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**CONCLUSION:**

India is poised to stand out as one of the skilled Nations in coming years and it's time for higher education skill training to exist in same space with seamless integration as part of curriculum. To enable this, it is very important for the industry and academia to work together to generate focused hands on candidate with right blend of learning and employability traits. It is high time to improve the mental and physical development of the Indian Youth so that they can be employed and move forward towards the targeted results. As the Indian youth is the future of country so they should also be skilled enough to create a 'future'.

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