

# **Contribution of Higher Education Institutes in Quality and Excellence**

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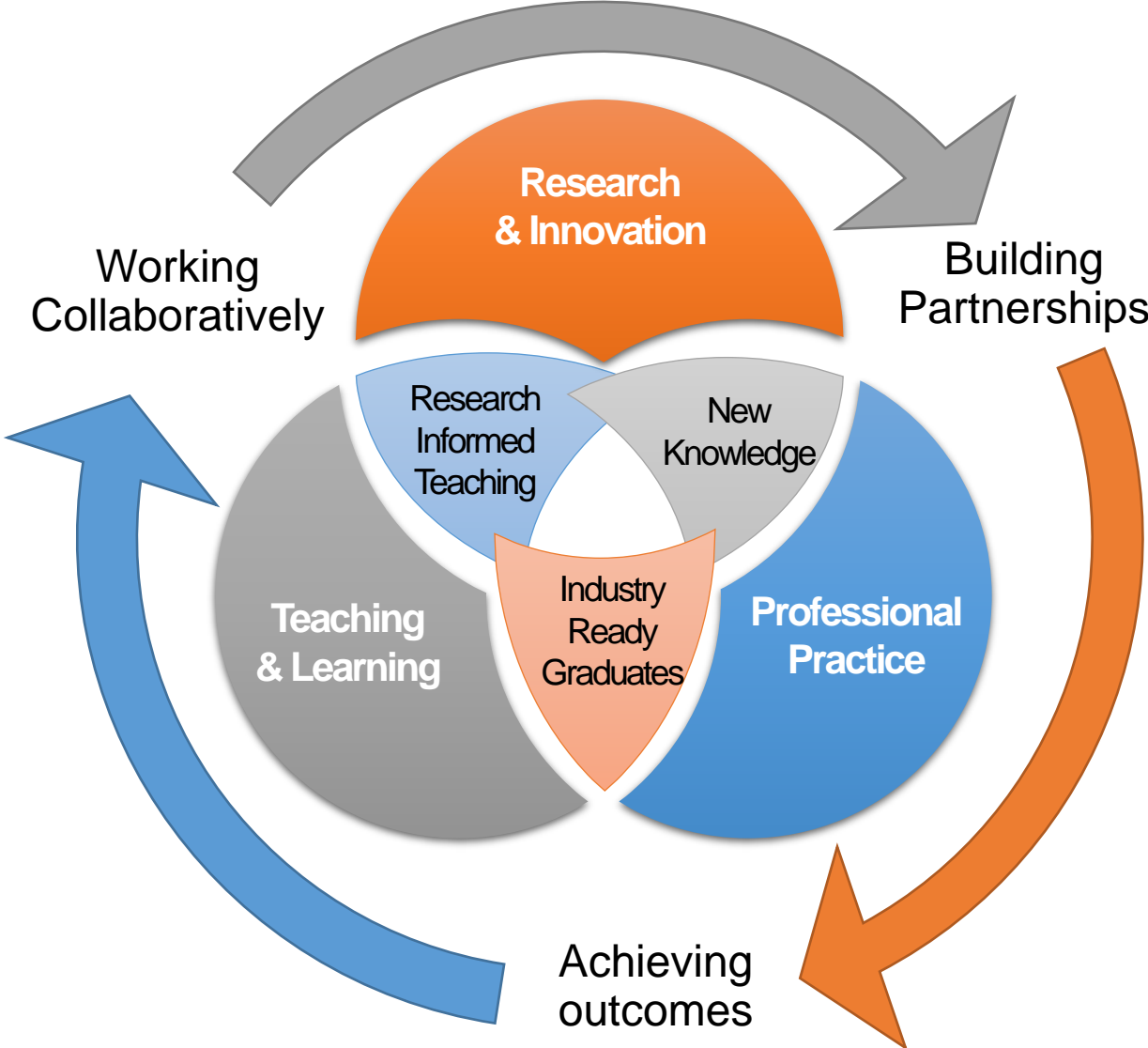


**SRI RAMACHANDRA**

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Deemed to be University)

# Culture of Excellence





- By 2025, at least 50% of learners - exposed to vocational education
- Higher education institutions to offer skills training
  - Industrial partnership
  - Indigenous programme
- Integration of vocational education programmes
- National Committee for the Integration of Vocational Education (NCIVE)

# Higher Education Reformatations proposed

- Higher Education institutes to offer quality programmes
  - Develop good, thoughtful, well-rounded, and creative individuals
  - Identifying competencies
  - Skill enhancement
- Institutional Restructuring and Consolidation
  - large multidisciplinary universities
  - ODL and Online Programmes
  - Accreditation
  - Phasing out of affiliations

# Educational Models

## **Mastery Education**

**Acquisition of cognitive, affective and psychomotor skills under appropriate conditions.**

## **Competency Based Education**

**Acquisition of a group of skills that bring about competence in specific field, which is assessed against pre-set benchmarks mostly defined by industry**

## **Outcomes-Based Education**

**Demonstration of acquired generic skills in different contexts, that are assessed against pre-set criteria agreed upon by all stakeholders**

(Robert E. Gerber, 1996)

# Role of Universities

Outcome based  
curriculum

Innovative teaching –  
learning methods

Faculty training

Creating  
infrastructure – cost  
effective

**(Simulation and  
Skills lab)**

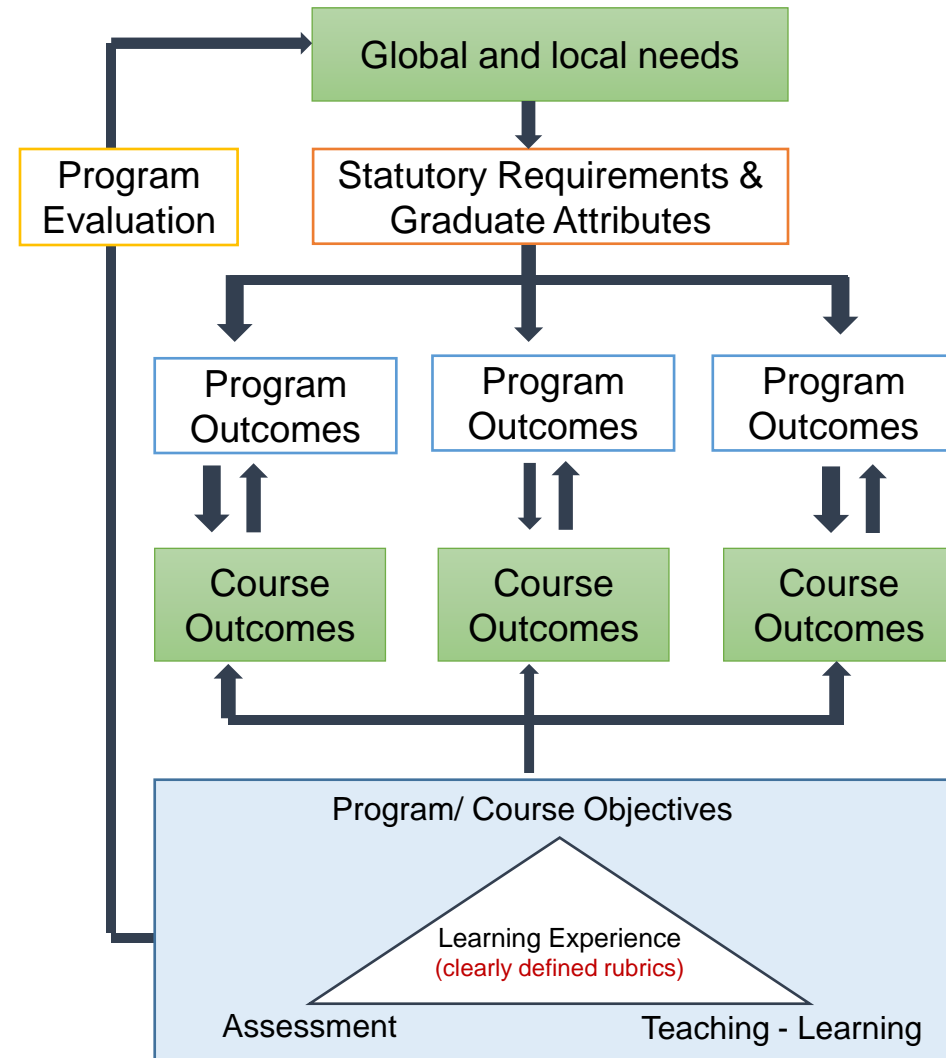
Collaboration –  
Consortiums

Programme  
evaluation

# Curriculum Design & Development

OBE “ specifies the outcomes students should be able to demonstrate upon leaving the system. OBE focuses educational practice on ensuring that students master those outcomes and it asserts that all students can succeed”

McNeir (1993)



# Strategic planning process



**Skill Development**



# Skill development in India

- Literacy rate – 70 %
- Employability – 20 %
- Only 25% of the Indian workforce has undergone a skill development program

## Government of India Initiatives

[Skill Development and Employment Opportunity - MyGov Blogs](#)

### Ministry of Skill Development and Entrepreneurship (MSDE)

- Coordinating skill development activities

### National Skill Development Corporation (NSDC)

- Promote skill development in the country by establishing institutes

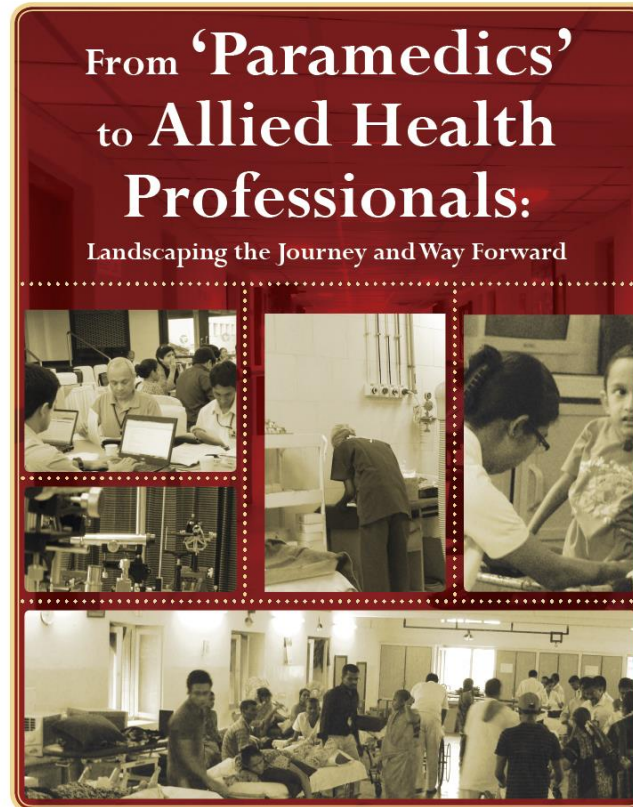
### National Skill Development Agency (NSDA),

- Coordinate the efforts of the government and the private sector

# Opportunities

NATIONAL INITIATIVE FOR  
ALLIED HEALTH SCIENCES

A STUDY TO AUGMENT THE  
CAPACITY AND QUALITY  
OF ALLIED HEALTH  
PROFESSIONALS IN INDIA



*A report commissioned by the*  
MINISTRY OF HEALTH AND FAMILY WELFARE  
*Government of India*

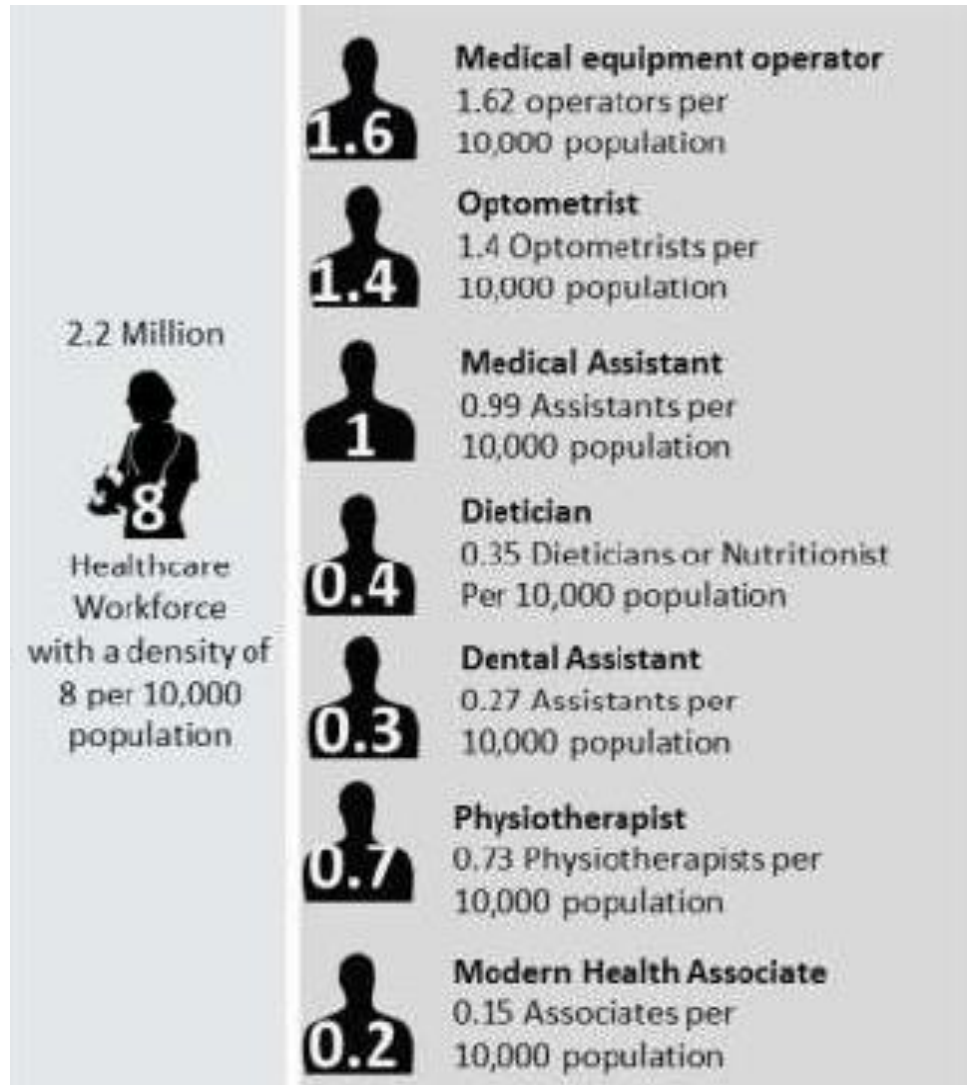


*“the opinion of 72 experts in the country over 40 years’ there is no need to increase the number of doctors but instead improve the quality and orientation of service provision towards better meeting the health needs of the people’ and that, ‘there is a dire need to focus on increasing the quantum and quality of human resources for nursing and paramedical/allied health services.”*

# Estimates on Short fall of Allied Health Human Resources

Sl. No	Health workforce category	Demand	Supply	Unadjusted gap	Efficiency and access adjusted gap
1	Ophthalmology related	145236	17678	127558	136,039
2	Rehabilitation related	1862584	40265	1822319	1841637
3	Surgical and intervention	205088	7215	197873	208618
4	Medical laboratory	76884	15214	61670	70603
5	Radiography and imaging	23649	4352	19297	20971
6	Audiology and speech language	10599	3263	7336	8901
7	Medical technology related	239657	3587	236070	237791
8	Dental assistance technology related	2048391	6243	2042148	2045143
9	Surgery and anaesthesia	862193	4050	858143	860086
10	Miscellaneous	1074473	181511	892962	980045
	Total				

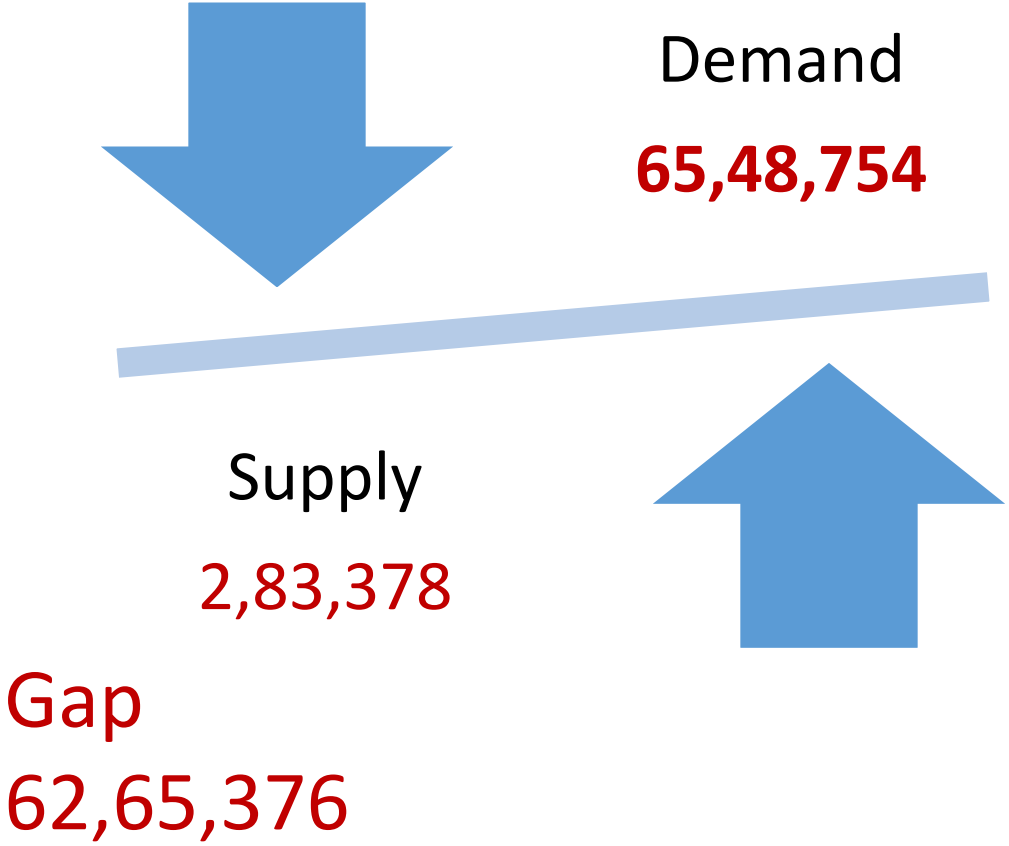
# Allied Health Sciences workforce



8 AHW / 10000 Population

**65,48,754 AHP required**

# Requirement of Allied Health Professionals



# SKILLS TRAINING

- Health sector skills council - Programmes for +2 students
- UG Programmes under NMC
- UG Programmes under other councils
- PG Programmes under NMC
- PG Programmes under other councils
- UG, PG Programmes not under statutory council

# Skills Training in Health Professional Education

- Task Trainers
  - Mannequin Based
  - Hi-fidelity Simulations
  - Virtual Reality / Augmented Reality
- Low Fidelity





# Skills and Simulation Facilities at SRIHER



Physiology



Biochemistry



Nursing



ETCT – Basic Life Support



Surgery Simulation lab



ENT Skills lab

activate  
Go to Setting



31-03-2022

Skill enhancement

# Conclusion

- Vocational training and skill development should be focused by all HEIs
- Hands-on and experiential training methods to be encouraged
- Use of technology is very important
- Formative assessment strengthening is the need of hour

