

## **HEIGHTS:**

Heading for Excellence  
Globally in Higher Education  
in Telangana State

Centre for Research in Schemes  
and Policies (CRISP)



# Telangana



Source: AISHE Report 2020-21

## HEIs

31 Universities +  
2062 Colleges

**College  
Density**  
53 CLP

## GER

39.3

**Average enrolment  
per college**

556

## GPI

1.09

**Pupil Teacher Ratio**

18

# Heading for Excellence Globally in Higher Education in Telangana State (HEIGHTS)

## MoU

Quality HE ecosystem



## CRISP

Develop framework & implement HEIGHTS



## Plan of Action

5 goals & 14 targets



## Internationalization

- *Promoting International Standards for Universities and Colleges.*
- *Facilitate MoUs with foreign Universities and Colleges.*



## Skills and Apprenticeship Embedded Degree Programs

- *Introduce Skill embedded course*
- *Facilitate Internships, Job orientation*
- *Technology-driven Education*
- *Blended models of teaching-learning*



## Teacher Assessment and Faculty Development

- *Continuous Professional Development (CPD)*
- *Develop teacher assessment framework*



## Promote Research and Innovation

- *Organizing relevant workshops to increase research productivity in higher education institutions.*
- *Facilitate design and set up centre's of excellence for research.*
- *Setting up Institution Innovation Councils in Colleges and Universities*



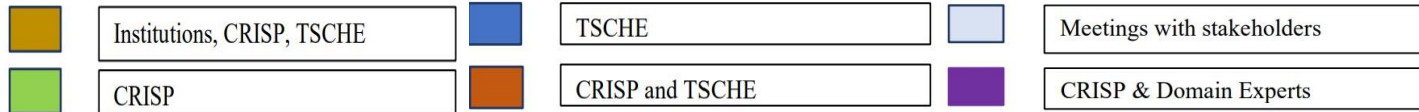
## Promoting Excellence

- *Assessment of ongoing courses*
- *Assessment and Accreditation Universities and Colleges (25%)*
- *Working on the five parameters of NIRF build capacity of 100 colleges to be within the top 100-200 NIRF ranking*



# Implementation Timeline for common strategies

Action	Year - 2023												2024	
	Feb	Mar	Apr		May	Jun	Jul	Aug		Sep	Oct	Nov	Dec	Jan
			1 FN	2 FN				1 FN	2 FN					
Meeting with TCHE officials and VCs														
Analysis of status														
Selection of HEIs and Approval of Institutions by HE Dept.														
SWOT Analysis of selected institutions														
Awareness programs and Guidance to HEIs														
Facilitate planned activities														
Monitoring and Evaluation and Reporting														



# Promoting Excellence



Selection of 100 institutes for National Institutional Ranking Framework (NIRF), ensuring that 25 colleges reach national ranks in 2 years, and 50 colleges in 4 years



Selection of 400 institutes for National Accreditation and Assessment Council (NAAC) accreditation



Course Assessment, weeding out of outdated or irrelevant courses/ programs based on requirements of the job-market, efficacy, and learning outputs.

## **Outcome:**

**The overall quality of selected 500 higher education institutions of Telangana is increased with improved teacher-learner capacity.**

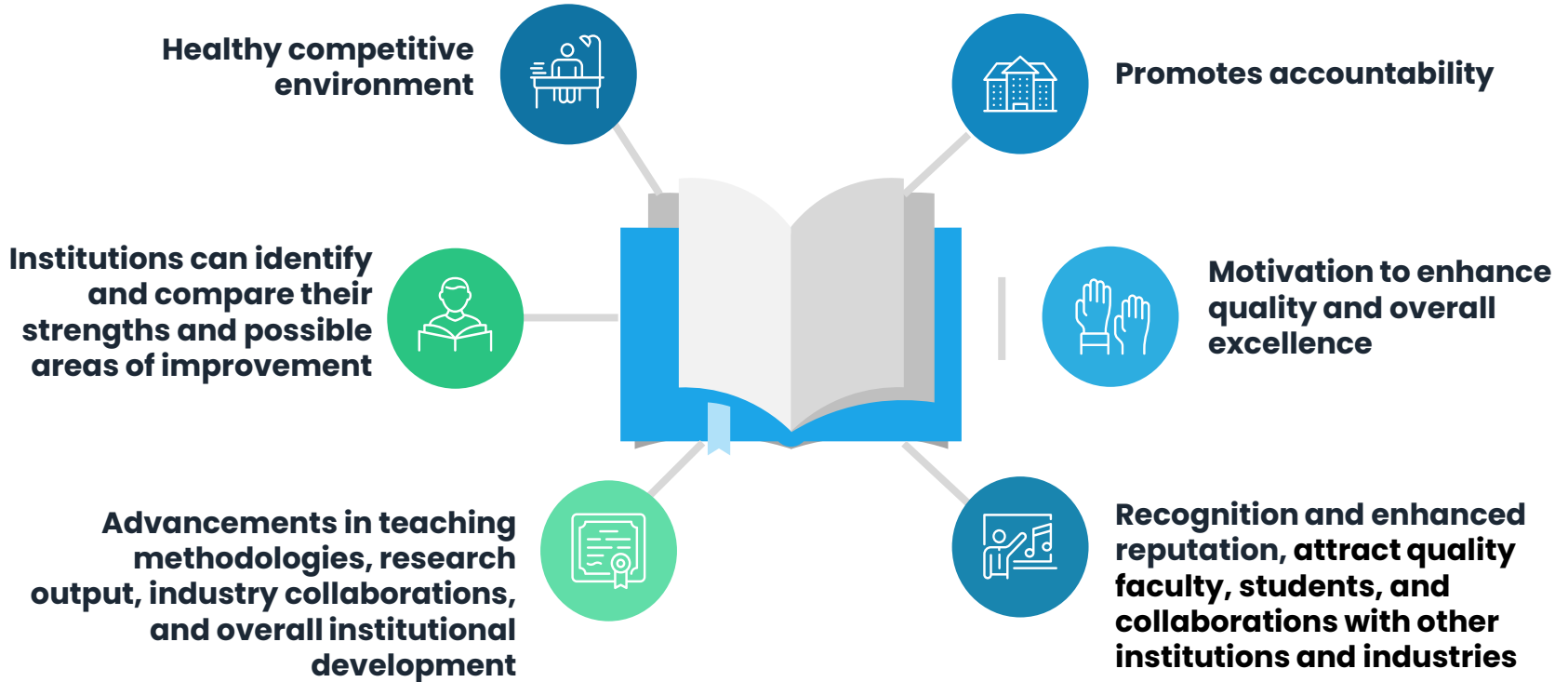
# National Institutional Ranking Framework (NIRF)

As of 2023, only **4 universities** (between 1-200) and **2 colleges** (between 1-200) figure in the NIRF ranking from Telangana

Ranking Category of HEI	No. Participated	Rank Band			Remarks
		1-100	101-150	151-200	
University	12	1	2	1	Excludes all Centrally funded HEIs
Colleges	120	1	0	1	
Engineering	98	2	4	5	
Pharmacy	33	4	3	-	Rank band only up to 101-125
Management	44	2	1	-	
Law	06	1	-	-	Rank band up to 1-30 only
Overall	132	1	0	1	Excludes all Centrally funded HEIs

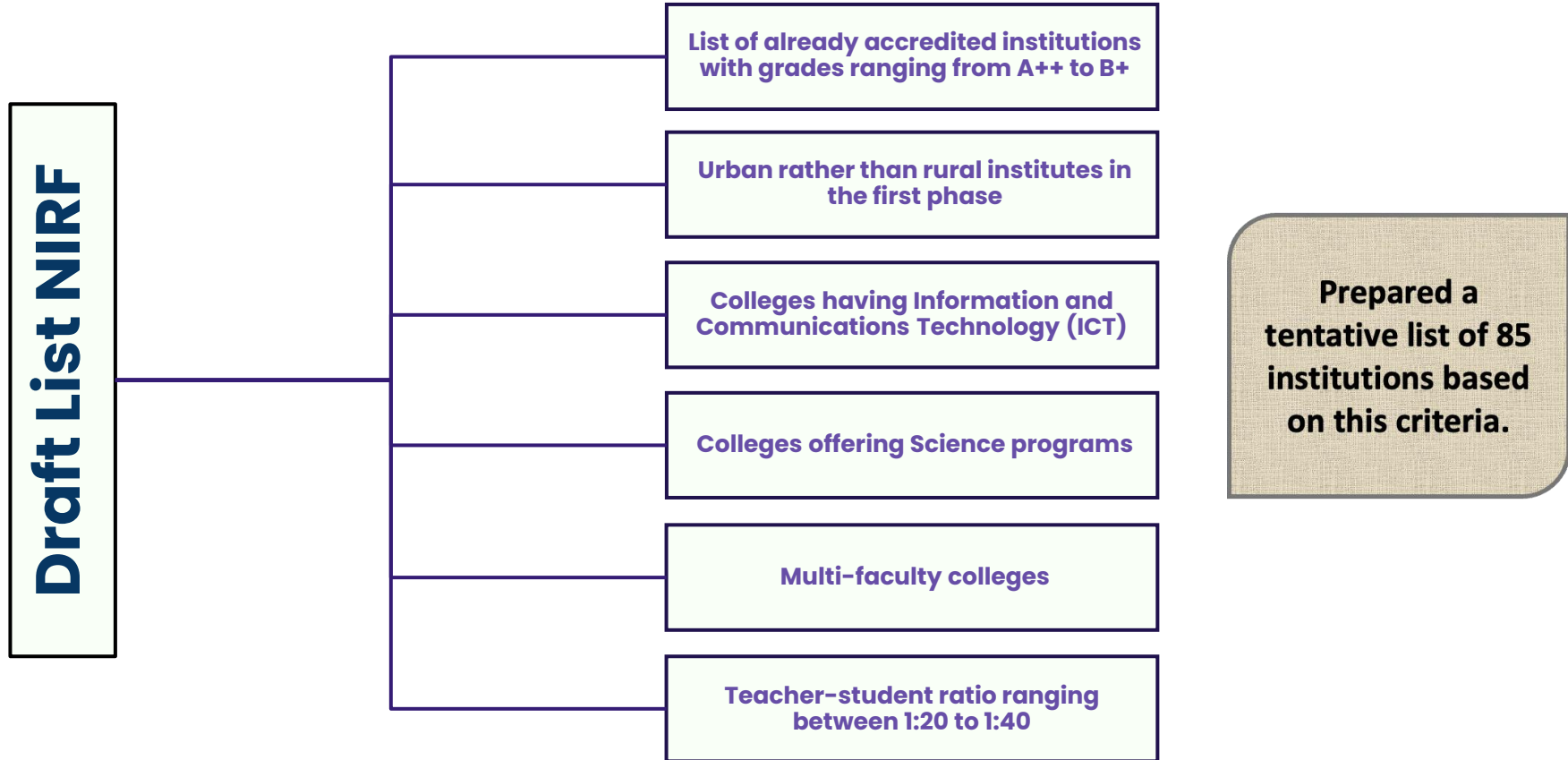
Source: NIRF Website

# Advantages



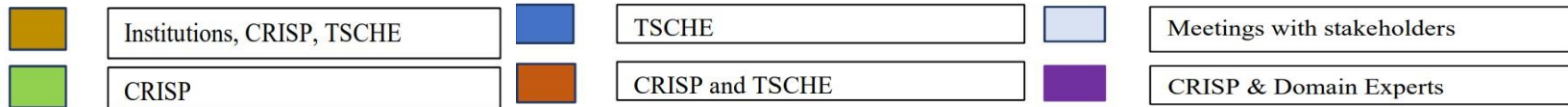


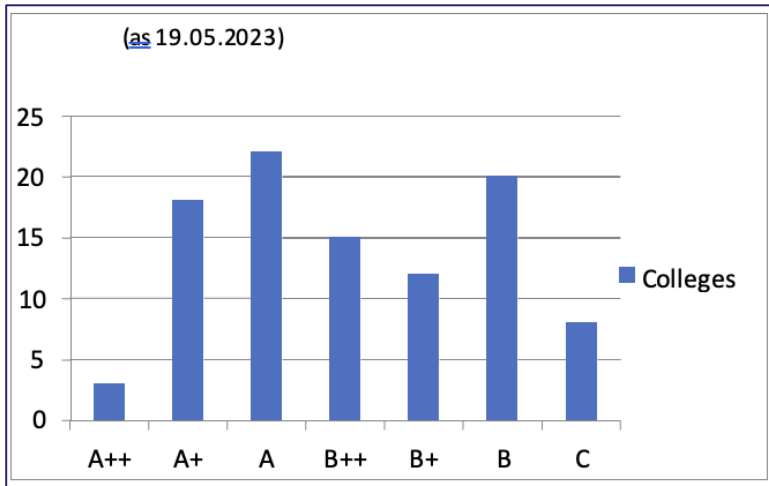
# Methodology for identification of institutions



# Implementation Timeline

Action	Year - 2023														
	Feb	Mar	Apr	May	Jun	Jul		Aug		Sep		Oct		Nov	Dec
						1 FN	2 FN	1 FN	2 FN	1 FN	2 FN	1 FN	2 FN		
Identification of colleges for NIRF															
Survey of the current status of NIRF in selected institutions by CRISP															
Workshop with colleges by CRISP															
Institution wise action-plan preparation															
Review of plans by CRISP															
Presentation of plans and approval by the Government															
Mock exercises and workshops															
Implementation															





# National Assessment and Accreditation Council (NAAC)

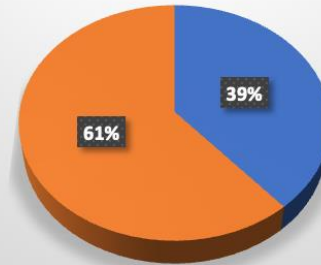
(Source: NAAC website)

Only **5 universities** and **207 colleges** have valid accreditation as on 19.05.2023.

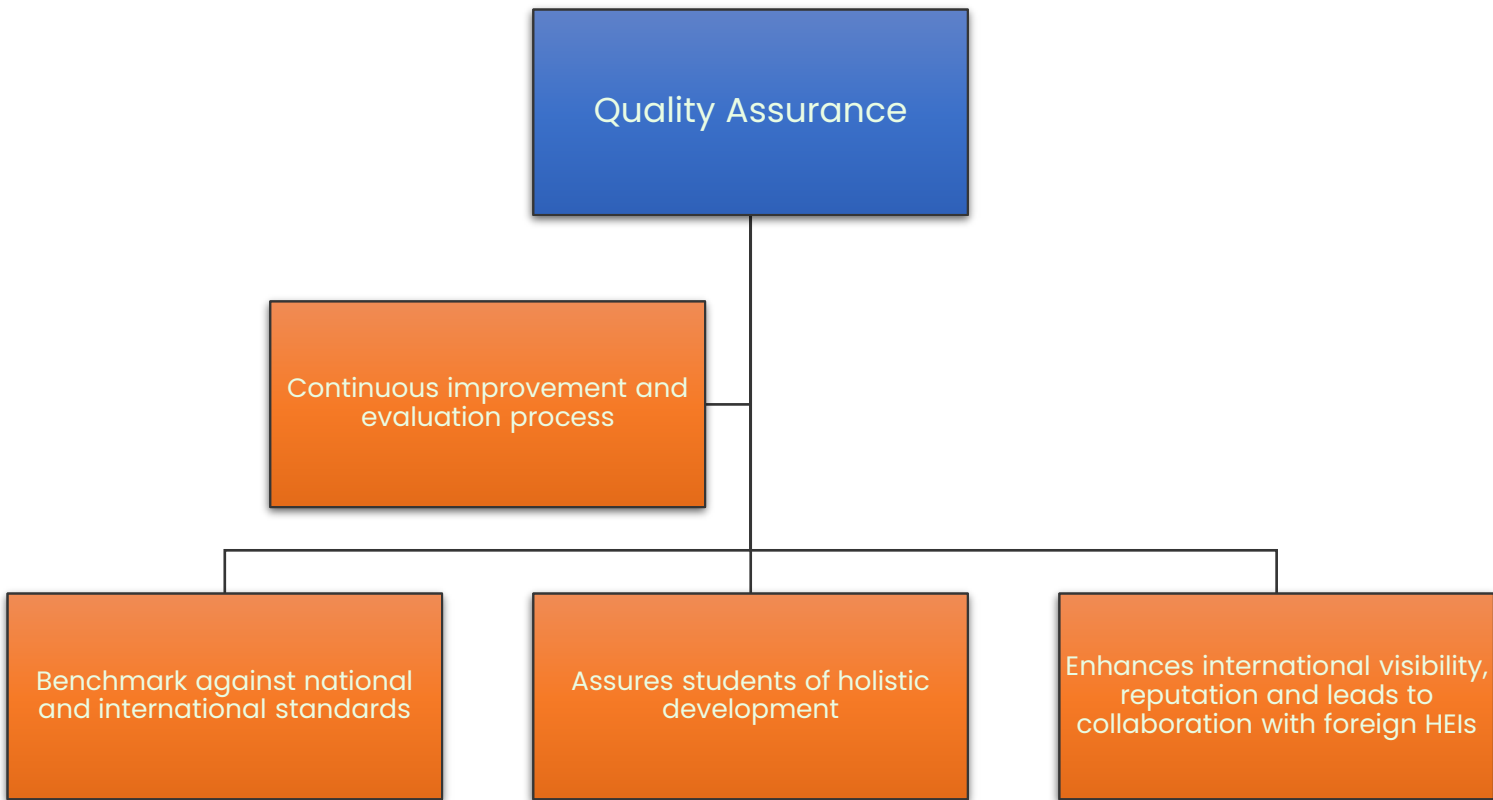
**80 Colleges** are Government Degree Colleges (GDC)

**127** are Autonomous or Private Professional colleges offering programs in Engineering and Technology / Management / Pharmacy / Education.

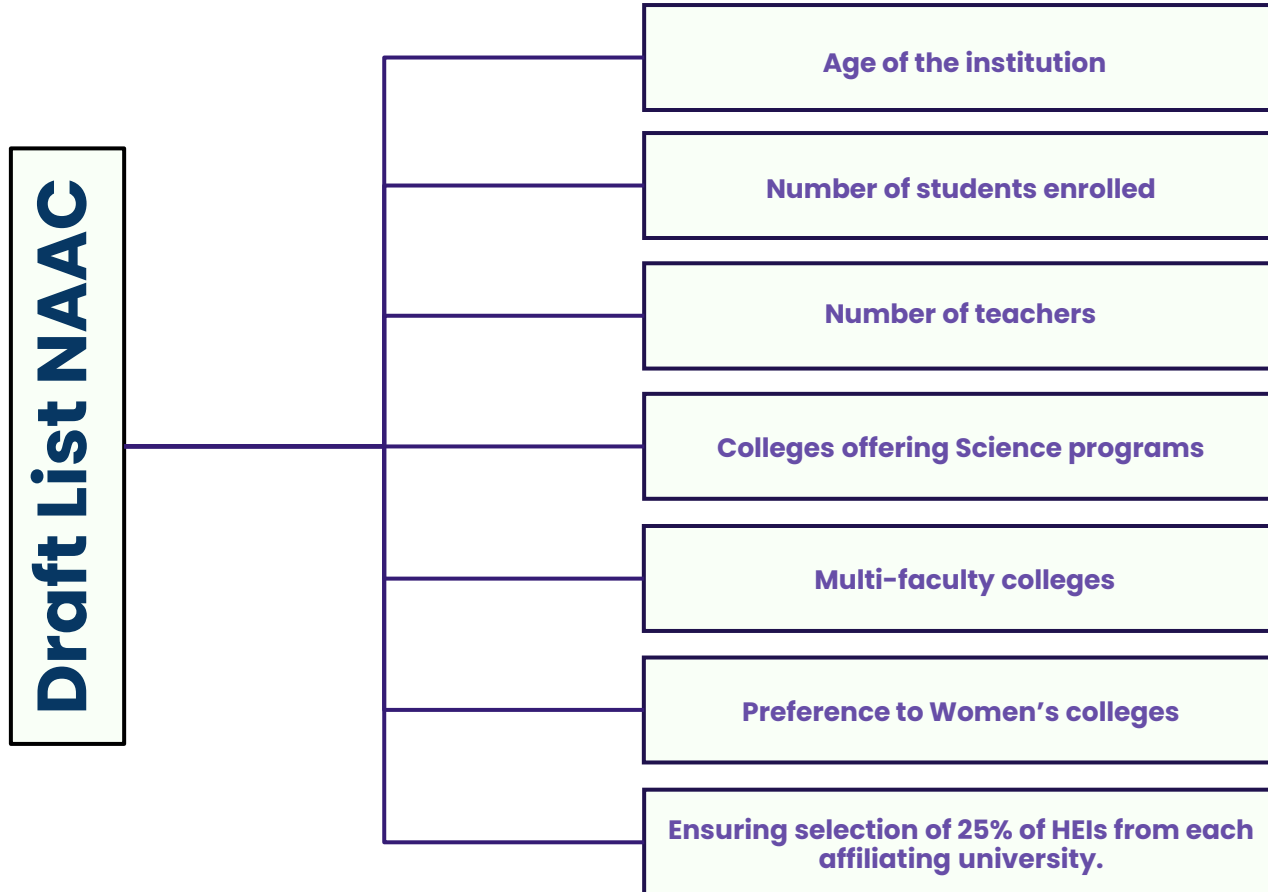
Percentage of Government Degree Colleges and Autonomous or Private Professional Colleges accredited by NAAC in Telangana as of 19.05.2023



# Advantages



# Methodology for identification of institutions



Prepared a tentative list of 231 institutions based on this criteria.

# Implementation Timeline

Action	Year – 2023														
	Feb	Mar	Apr	May	Jun	Jul		Aug		Sep		Oct		Nov	Dec
						1 FN	2 FN	1 FN	2 FN	1 FN	2 FN	1 FN	2 FN		
Identification of colleges for NAAC					Meetings with stakeholders	Meetings with stakeholders	CRISP and TSCHE								
Survey of the current status of NAAC in selected institutions by CRISP								CRISP and TSCHE	CRISP and TSCHE						
Mentor-Mentee Framework								Institutions, CRISP, TSCHE	Institutions, CRISP, TSCHE						
Workshop with colleges by CRISP										CRISP	CRISP				
Review the functioning of SLQAC												CRISP			
Formation of IQACs by TSCHE													TSCHE		
Institution wise action-plan preparation														Institutions, CRISP, TSCHE	
Review of plans by CRISP														CRISP	
Presentation of plans and approval by the Government														Institutions, CRISP, TSCHE	
Mock exercises and workshops															Institutions, CRISP, TSCHE



Institutions, CRISP, TSCHE



TSCHE



Meetings with stakeholders



CRISP



CRISP and TSCHE



CRISP & Domain Experts

# Course Assessment

- ◆ **Enhancing teaching learning**
- ◆ **Ensuring quality standards**
- ◆ **Accountability and accreditation**
- ◆ **Informing curriculum development**



# Implementation Timeline

Action	Year - 2023													
	Feb	Mar	Apr	May	Jun	Jul		Aug		Sep		Oct	Nov	Dec
						1 FN	2 FN	1 FN	2 FN	1 FN	2 FN			
Meeting with TSCHE and VCs of affiliating universities														
On-boarding subject experts to conduct course analysis														
Preparation of a recommendation report														
Review of report														



Institutions, CRISP, TSCHE



TSCHE



Meetings with stakeholders



CRISP



CRISP and TSCHE



CRISP & Domain Experts



# Skills & 'Apprenticeship Embedded Degree Programs (AEDP)'

- Unprecedented growth in Telangana
- Huge employment opportunities
- 1<sup>st</sup> – Critical Thinking (ISR 2023)
- 7<sup>th</sup> – Employability (ISR 2023)
- 7<sup>th</sup> – Internship seekers (ISR 2023)
- TASK & TVU





## Objectives

- Skills Integration
- Industry led curricula
- Apprenticeship linkage
- Industry-academia connect
- Entrepreneurship



## Expected Outcomes

- Increased employability
- Greater contribution to economy



# Advantages

Bridge the skills gap



Practical learning



Earn while learn



Long term career growth

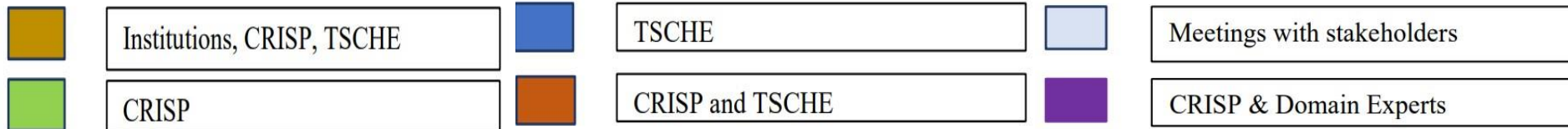


Networking



# Implementation Timeline

Action	Year – 2023													
	Feb	Mar	Apr	May	Jun 15	Jun 30	July 15	July 31	Aug 15	Aug 31	Sept	Oct	Nov	Dec
Identification of Colleges by TSCHE														
Selection of the sectors by colleges														
Publicity of skill courses														
SSCs meetings with the selected colleges														
SSCs signing of MoUs with the colleges														
Preparation of space for skill teaching by HEIs														
Training of teachers by SSCs														
Admissions for the electives														
Launch of classes														

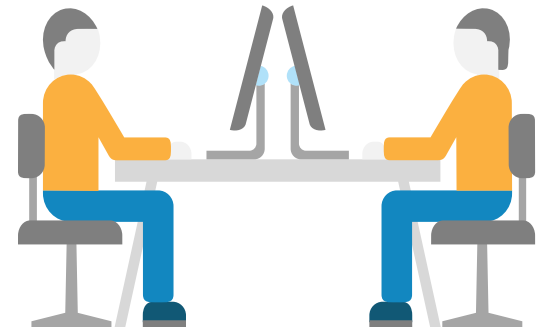


# Teacher Assessment & Faculty Development

<b>Total Teachers</b>	<b>83,114</b>
Professor or equivalent	7,425
Reader & Associate Professor	7,667
Lecturer / Assistant Professor	62,534
Demonstrator / Tutor	3,036
Temporary Teacher	2,338
Visiting Teachers	114

- Improving teacher's capacity and teaching quality
- ***Upskill, Reskill & Skill***
- ARPIT, SWAYAM, NPTEL, etc.
- Teacher Portfolio - (1 rural & 1 urban university)

**Source:** AISHE Report 2020-21





## Objectives

- Quality teaching-learning
- Teacher performance
- Career advancement



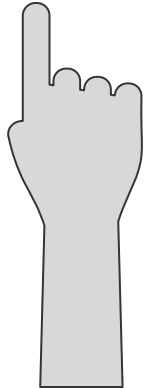
## Expected Outcomes

- Identified training needs
- Improved pedagogy & student engagement
- Technology mediated teaching-learning
- Teacher portfolio development
- Career progression

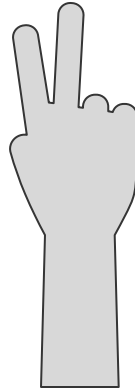


# Advantages

Improved  
skills &  
knowledge



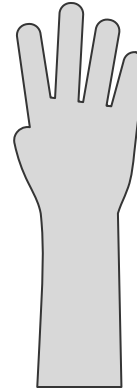
Continuous  
growth &  
learning



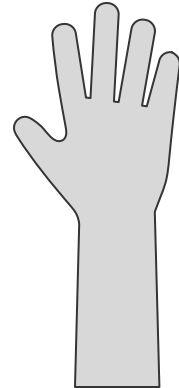
Accountability  
& quality  
assurance



Adaptation  
to change

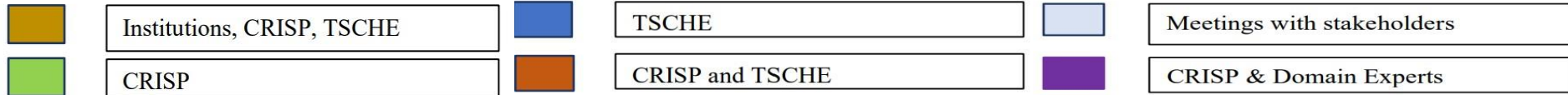


Confident &  
motivated  
teachers



# Implementation Timeline

Action	Year – 2023													
	Feb	Mar	Apr	May	Jun	Jul	Aug 1 FN	Aug 2 FN	Sep 1 FN	Sep 2 FN	Oct 1 FN	Oct 2 FN	Nov	Dec
Survey of the training needs of the teachers														
Data analysis for classifying the training needs														
Consultation with the stakeholders for identifying the required training programs														
Consult ARPIT coordinators for the training schedules														
Linking of CAS with ARPIT or other courses														
Conduction of the training programs														
Follow up actions of the training programs														

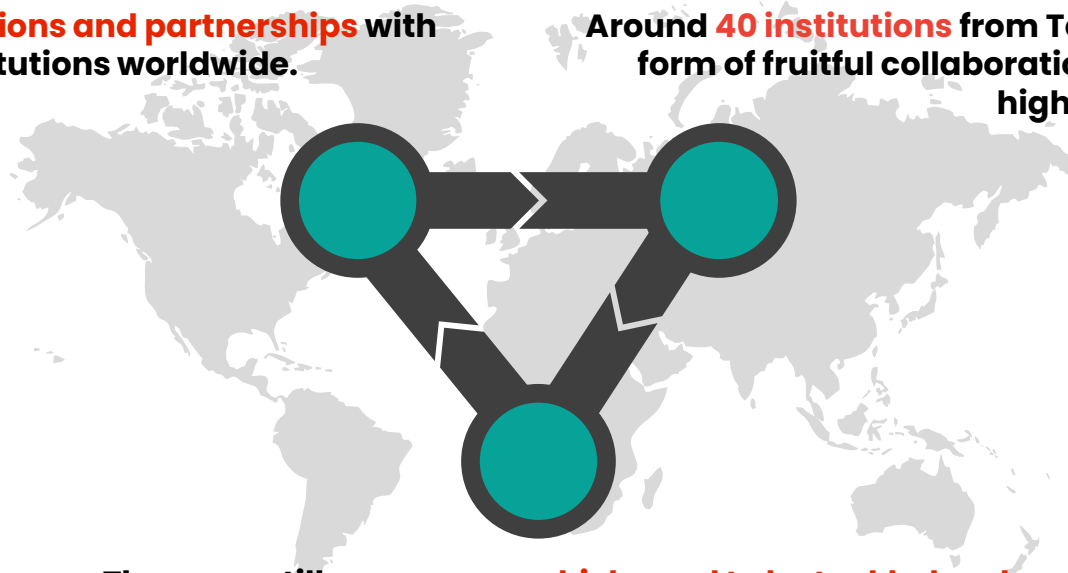




# Internationalization

Academic **collaborations and partnerships** with universities and institutions worldwide.

Around **40 institutions** from Telangana have had some form of fruitful collaborations with the international higher education institutions.



There are still **some areas which need to be tackled and some gaps that need to be filled** such as limited international presence, etc.

## OBJECTIVES

To **facilitate research and academic collaborations** between JNTU/Osmania/Kakatiya and reputed foreign universities.

To **support at least 3 universities** (Osmania, JNTU and Kakatiya) which are otherwise qualified as per the UGC's latest guidelines to enter MOU with Foreign Universities to offer dual degrees.

To **increase admissions of foreign nationals** in Higher Education Institutions of Telangana.  
**Develop a state portal like Study in India.**

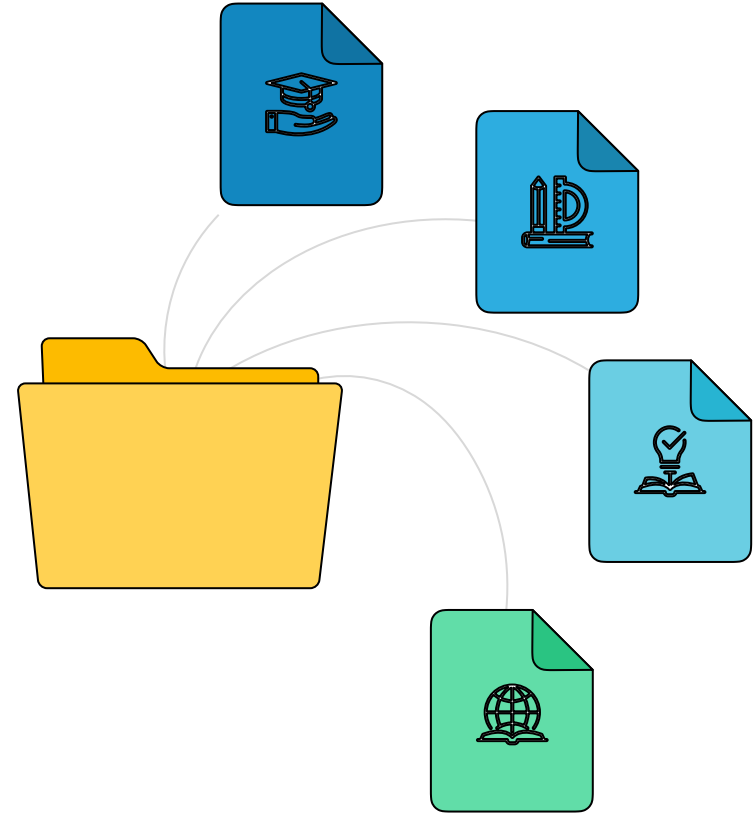
## EXPECTED OUTCOMES

There is an **exponential increase in research collaboration** between Telangana Higher Education Institutions and reputed international institutions.

Other Telangana institutions also have a **heightened motivation to qualify for the UGC guidelines** to implement the roadmap towards internationalization.

# Advantages

- ◆ **Enhances the quality of education.**
- ◆ **Leads to Academic collaboration.**
- ◆ **Attracts foreign students.**
- ◆ **Encourages exchange of knowledge and research.**



# Implementation Timeline

Action	Year – 2023												2024
	Feb	Mar	Apr		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
			1 FN	2 FN									
Current status and efforts to integrate foreign students in Hyderabad.													
Meeting with the Higher Education Department, TSCHE, and VCs of the selected institutions													
Design of scheme like SPARC													
Awareness programs for Study in India													
Consultation with foreign universities													
Signing of MoUs for student exchange programs, scholarship opportunities													



Institutions, CRISP, TSCHE



TSCHE



Meetings with stakeholders



CRISP



CRISP and TSCHE



CRISP & Domain Experts

# Research

Imperative for universities and colleges to make a **mark nationally and globally.**

TSCHE plays a significant role in providing grants and funding opportunities, working towards setting up of a **State Research Board to promote institute - industry linkage.**

**Centres of Excellence** have been established in several state universities.

**Growth, development, and technological advancement** of any economy

Telangana has **several research institutes.**

However, there are **noticeable gaps in research output between rural and urban institutions**

# Objectives

- Find ways for **promoting research in the HEIs through various orientation and training programmes**, including promoting publication of peer-reviewed high-quality journals.
- To help **design and set up centers of excellence** of research and development.



# Expected Outcome

There is a **tripling of the research output in the Telangana HEIs by 2025**, alongside an increased number of relevant Centres of Excellence.

# Innovation

It allows **collaboration between academia, industry, government, and civil society**

**6 different verticals** under this cell: Grassroots Innovation, Social Innovation, Ecosystem Engagement, Innovation Diffusion, Student Innovation and Innovation in Government

According to IPR 2021-2022, **Telangana filed 1,724 patent applications (21-22)** and **ranked 6th** in the country.

**TSIC was established in 2017 under the State Innovation Policy.**

**State level awards** have also been introduced to encourage the best innovators in Higher Education.

Telangana's reputation as a hub for startups renders the **potential for a larger number of intellectual properties** in the coming years.

# Objective

Promote Innovation and Entrepreneurship by **setting up innovation councils in 500 colleges**, thereby promoting innovative thinking leading to startups.



# Expected Outcome

There is an integrated formal network for simplifying **multi-stakeholder collaboration for fostering innovation mindset** amongst students and teachers.



# Advantages of Research and Innovation

Addressing the global challenges outlined in the SDGs



Developing new technologies, processes, and solutions

Driving economic growth, improving productivity, and enhancing the quality of life.



Critical inputs for policy development and decision-making processes.

Scalability and sustainability of initiatives



Monitoring progress and evaluating the impact of interventions.



# Implementation Timeline for Research

Action	Year - 2023												
	Feb	Mar	Apr	May	Jun	Jul		Aug		Sep	Oct	Nov	Dec
						1 FN	2 FN	1 FN	2 FN				
Survey of the research productivity													
Survey of industry needs													
Identification of areas of strengths and preparation of Scheme													
Approval and launch of scheme for promotion of research													
Institution-wise action plan for orientation & training programmes on Research Proposal writing, Patent filing, etc.													
Implementation													



Institutions, CRISP, TSCHE



TSCHE



Meetings with stakeholders



CRISP









CRISP and TSCHE



CRISP & Domain Experts

# Implementation Timeline for Innovation

Action	Year - 2023														2024
	Feb	Mar	Apr	May	Jun	Jul		Aug		Sep	Oct	Nov	Dec	Jan	
						1 FN	2 FN	1 FN	2 FN						
Selection of colleges (in consultation with MIC)															
Workshop with selected colleges after multi-stakeholder consultation															
Formation of IICs															
Linking of IICs to T-Hub															
Solve a problem-a-month campaign proposal															

	Institutions, CRISP, TSCHE		TSCHE		Meetings with stakeholders
	CRISP		CRISP and TSCHE		CRISP & Domain Experts

**THANK  
YOU**