

# Higher Education – Remote Internship Opportunity (RIO)



# Need

1. To provide industry exposure to Students
2. To Bridge the gap between Industry – Student - Academia
3. To enable application of concepts in industrial scenario

## Internship

### Internship +

1. To ensure learning continuity during crisis time
2. To provide multiple options to the students to select the preferred Industry
3. To Provide exposure to latest trending topics
4. To enable industry exposure independent of location
5. To enable uniform process for award of credits (1-3-5 credits)
6. To enable program execution compliant to AICTE Guidelines
7. To enable the Industry to select the best Intern

## Remote Internship Opportunity

# RIO – Objective & Promise

## **Objective:**

Leverage digital platforms to benefit millions of students every year across various disciplines to carry out “location free” internships in trending topics and to augment real-life, technical, social, employability and industry practical skills

## **Promises:**

1. Guaranteed Internship for every applicant
2. Matching students' choice of project and industry's need for meritorious students
3. Internship, anywhere anytime
4. Projects on “Trending” topics
5. Replace arbitrary and subjective assessments with scientific assessment (3A Method)

# RIO - Introduction

TCS will collaborate with **Industry Leaders**, come out with trending topics for Internship

TCS will bring the **technology levers** to enable students to complete the internship remotely

TCS will e2e **program manage** the RIO

Institutions to acknowledge, include RIO as part of their curriculum and **award credit** points to students on successful completion

Institutions to identify & **nominate guides** for the students

Students will **carry out the internship program of their choice**

**Offer** project **Internships** to Students (with & without stipend)

Industry will **identify and nominate mentors** to guides the students

Industry will issue a **certificate** to all the students who have successfully completed the internship

TCS

Institution

Industry

# RIO – Uniqueness

- RIO is designed to provide large number of internship opportunities across multiple domains ,topics and Industry
- RIO provides an ability for the students to carry out the Internship from any where-any time-any device
- RIO brings in an ability for the Institutions & Students to carry out internship programs through out the year
- RIO provides an exposure for the students to work in “virtual teams”
- RIO provides necessary simulation platforms to practice hands-on

## Student

- RIO is first of its kind, digital platform for carrying out Industry internship program without being physically present at the Industry
- RIO provides an opportunity for Industry to choose the best students to offer internship from a larger pool
- RIO significantly reduces the manual effort for the Industry mentors to administer & coach larger batch of students leveraging the digital platform
- RIO, ensure the project report / IP will remain with the Industry
- RIO helps the Industries / Corporates to spot the best talent amongst the interns and provide them job opportunities

## Industry

- RIO provides an opportunity for every Institutions to achieve 100% internship support for their students
- RIO brings in an ability for the Institutions & Students to carry out internship programs through out the year
- RIO enables the institutions and faculties to administer the Internship program with ease leveraging digital platforms
- RIO is designed as per AICTE guidelines and allows every institution to adopt and award credit to the students (1-3-5 credit)
- RIO improves the Institution brand images by improving the placement ratio

## Institution

# RIO – Construct

**RIO – SILVER**  
1 Credit  
10 days

**RIO – GOLD**  
3 Credits  
30 days

**RIO – PLATINUM**  
5 Credits  
45 days

Component	Hours
Self-learning Content	10
DIY Assignment	15
Test & Viva	5
<b>Total</b>	<b>30</b>

Component	Hours
RIO – SILVER	30
Webinars	10
Industry Project	40
<b>Total</b>	<b>80</b>

Component	Hours
RIO - GOLD	80
Industry Readiness Skills	20
Industry Project 2	40
<b>Total</b>	<b>140</b>


Other components	Hours
Daily Activity Report	5
Community interaction	10
<b>Table 1 + 2 Total</b>	<b>45</b>


Other components	Hours
Daily Activity Report	15
Community interaction	30
<b>Table 1 + 2 Total</b>	<b>125</b>

Other components	Hours
Daily Activity Report	25
Community interaction	45
<b>Table 1 + 2 Total</b>	<b>210</b>

Component Ownership

6  Industry & Academic Mentor

 Academic Mentor

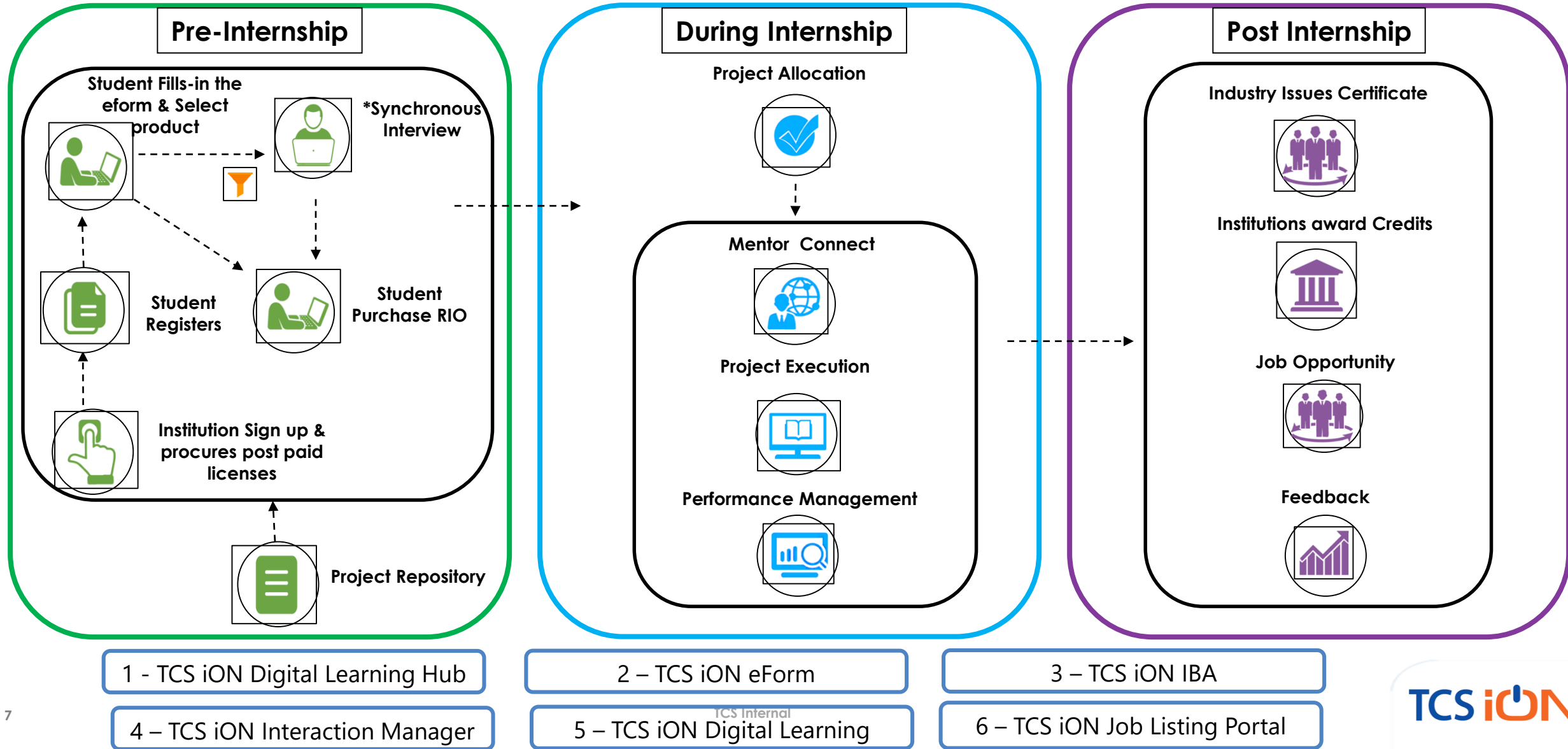
 TCS Internal Industry Mentor

 Student

**TCS iON**

# RIO- Process & Platforms Leveraged

## Remote Internship Opportunity - RIO



# RIO – Admission Process

1. Institutions Sign-up in iDLH & procure “RIO Coupons”. Distribute the Coupons to Students offline & assign an academic guide to each student.
2. Students Sign up in iDLH, if not registered earlier by Institution. Already signed up candidates will login in iDLH.
3. During license code activation process, the system will request the candidate to fill a form with key inputs like preferred project stream, academic guide details, etc.
4. Post successful submission of the form the system will allow the student to choose the project of his/her choice and allow them to proceed with the payment (every project will have a unique stamp & page, where the complete details of the project will be published)
5. If the student chooses a product which has any screening criteria by the industry, they will be asked to go through a remote interview process. A message will pop up to contact the RIO support team for next steps
6. For all successful candidates post paid link will be sent by mail and get the purchase done
7. Students will able to see their preferred Internship Program in “My Dashboard”



# RIO – Domain Knowledge Test

Ability	# of Questions	Marks	Duration (in Mins)	Negative Marks	QP Blue Print	QP Design	
<b>General Aptitude (Common)</b>						1 Credit Internship programs (Minimum marks required is 50%)	3 or 5 Credit Internship programs (Minimum marks required is 50%)
General Mental Ability ( Numerical, Verbal and Spatial Reasoning helps with Problem solving)	20	20	30	No	TBD by SME		
Verbal Ability (Grammar, Vocabulary helps with Communication)	10	10	10	No	TBD by SME		
Quantitative Aptitude (Math Skills help with quantification ability)	10	10	10	No	TBD by SME		
<b>Technical/Domain (as per applicable Stream)</b>							
Technical Subject	10	10	10	No	TBD by SME		

<b>For Single Credit internships</b>	The Test Design can be of 40 Marks based on the 3 General Aptitude Sections
<b>For 3 and 5 Credit Internships</b>	The Test Design can be of 50 marks based on the 3 General Aptitude Sections and the 4th Section of Technical Subject as applicable

# RIO - Final Evaluation & Grading Process

## ■ 3A Method

Method	Methodology	Owner	Weightage
Activity	Submission of daily activity report, community participation, DIY Assignment, timely completion of self learning courses / modules	Academic Guide	30%
Assessment	Project Report – Based on Concepts used & application knowledge based on hands-on output (Feedback from Industry Mentor based on a std parameters & Scale)	Inputs from Industry Guide & Academic Guide	50%
Articulation	Project Viva – Part A: Evaluate Intern`s ability to articulate his/her project with clarity in F2F discussion (Part B: Feedback from Industry Mentor to be included on a standard rubrics 10%)	Academic Guide	20%

Aggregated scores will be shared with Institutions for award of credit/s

## ■ Certification & Credits

Industry to issue certificate of completion for successful students

Institutions to grade and award credit/s based on the score obtained by students

# RIO - Streams / Domains

- Electrical
- Electronics
- Instrumentation
- Nanoelectronics

## Electronics

- Computer Science
- Information technology
- Information and communication technology

## Information

- Civil
- Transportation
- Architecture

## Civil

- Mechanical
- Mechatronics
- Aerospace
- Aeronautical
- Production Engineering

## Mechanical

- Chemical
- Pharmaceutical

## Chemical

- Biomedical
- Bioinformatics
- Biotechnology
- Medical Nanotechnology

## Biological



Environmental | Public Health | Affordable technologies | Rehabilitation | Geriatric & Pediatric care | Agriculture | Education | Disaster Management

## Social

# Customer validations \*

## 1. Acceptability

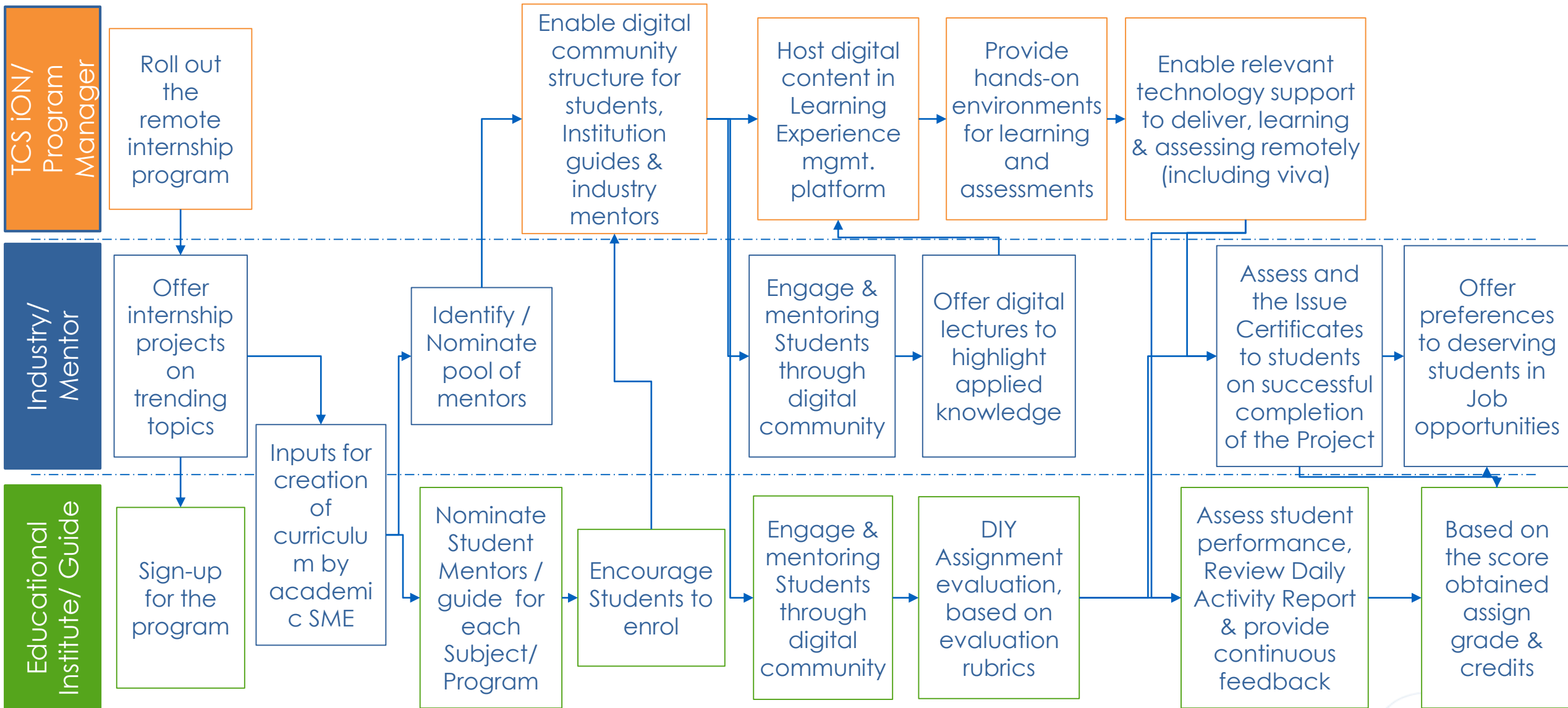
- a. All the 5 Institutions were willing to implement. University of Mumbai, Dean of Science and Technology willing to endorse RIO to 700 affiliated colleges
- b. VESIT, KJSCE willing to be testing partner
- c. SASTRA University, UoM, KJSCE, VESIT are willing to adopt this program
- d. Most attractive to students in tier 2 and tier 3 cities (TCS Brand and lack of other opportunities)

## 2. Ideas to attract students

- a. Students may pay, if some attraction is tied in – like a possibility for a job for top performers or prize money for those who get more than 90%
- b. Remote internship can be open through out the year
- c. Official AICTE acknowledgment of RIO will add to the pull
- d. Attraction for students more if Internship topics can be in line with GOI's "Smart India Hackathon"

*\*Sample Segment: State University | Deemed University | Affiliated Colleges | Autonomous College*

# RIO - Stake Holders Roles & Responsibility



# RIO – Commercials and Features

Remote Internships	RIO-45	RIO-125	RIO-210
Price	₹ 1,199/-	₹ 2,699/-	₹ 3,499/-
No. of Days	10	30	45
No. of Hours	45	125	210
Recommended Credits	1	3	5
Learning References	✓	✓	✓
No. of Hours in Industry Projects	15	50	90
Webinars and Recorded Sessions by Industry Experts	✗	✓	✓
Industry Readiness Learning Resources	✗	✗	✓
Daily Activity and Project Report	✓	✓	✓
Digital Discussion Room	✓	✓	✓
Tests and Viva	✓	✓	✓
Access to Industry Mentor	✓	✓	✓
Credits Aligned with AICTE and UGC	✓	✓	✓

THANK YOU