ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

अखिल भारतीय तकनीकी शिक्षा परिषद

INITIATIVES & SCHEMES

पहल और योजनाएँ

श्री रमेश पोखरियाल 'निशंक'
केंद्रीय मानव संसाधन मंत्री

" केवल गुणवत्ता और मूल्य आधारित शिक्षा के माध्यम से हम भारत को विश्व शक्ति के रूप में स्थापित कर सकते हैं। "

प्रो. अनिल दत्तात्रेय सहस्रबुद्धे
अध्यक्ष

" भारत के असीम तकनीकी मानव संसाधन की वैश्विक दक्षताओं को बढ़ाने की दिशा में अभातशिप निरंतर प्रयासरत हैं "

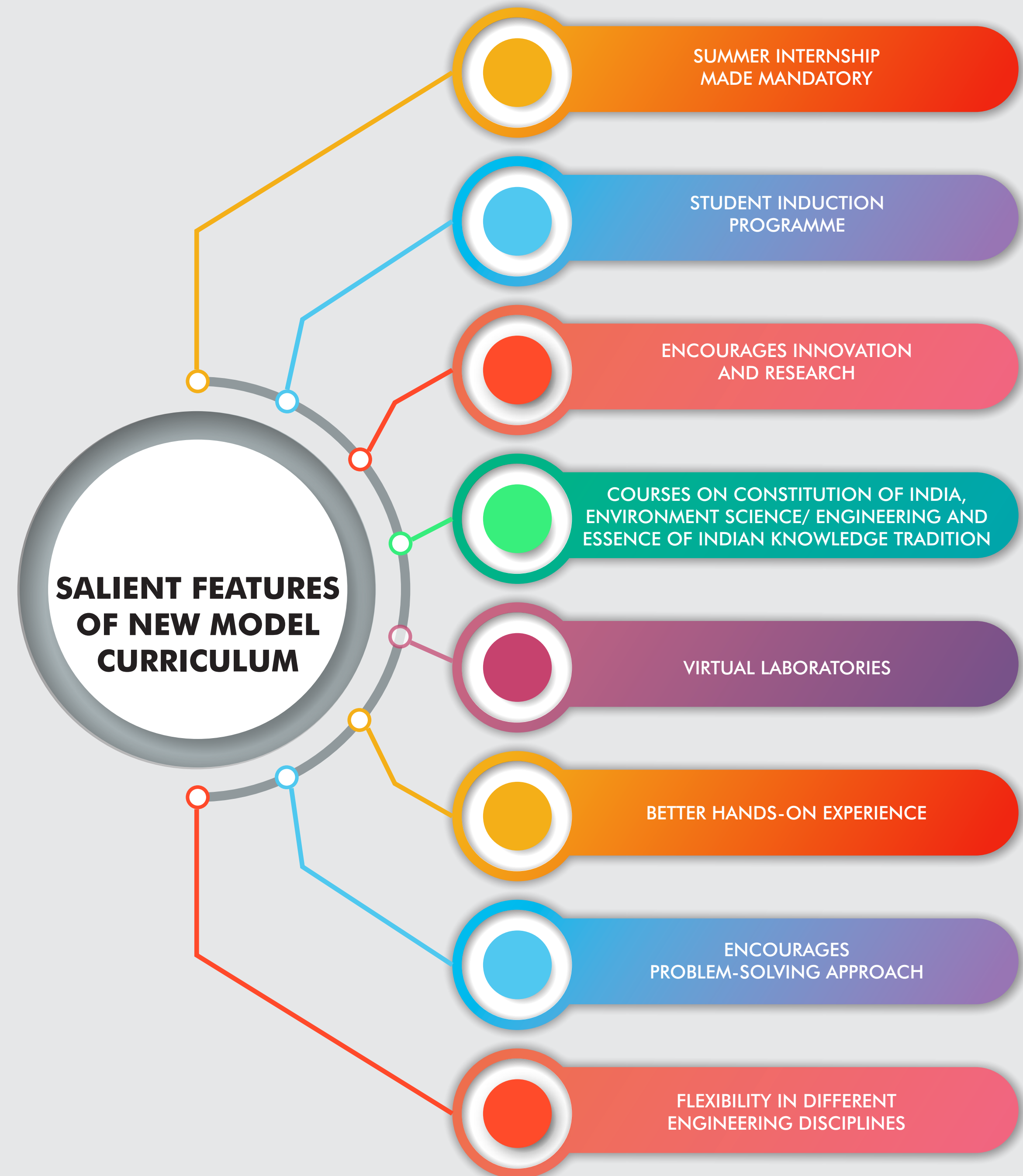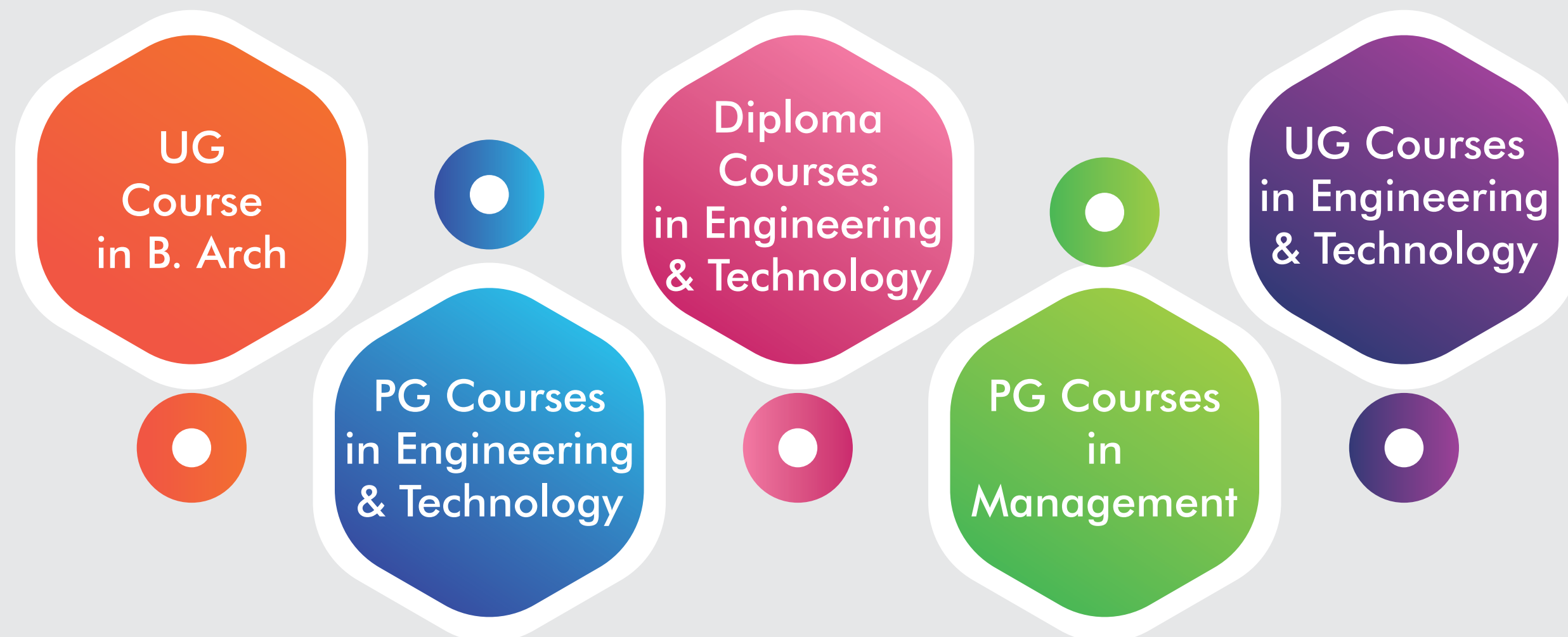**TRANSFORMING TECHNICAL EDUCATION ... EXPANSION TO EXCELLENCE**

REVISION OF MODEL CURRICULUM

Realising the need to revise and update the Curriculum of UG and PG Courses in Engineering education, AICTE has prepared outcome based model curriculum for Undergraduate and Post Graduate courses in Engineering and management programmes. The salient features of the model curriculum is that the number of credits has been reduced to **160** from **220** and it is in line with the requirements of industry **4.0.**

Model Curriculum for Diploma Courses in Engineering & technology for **7** Disciplines have also been launched.

MODEL CURRICULUM LAUNCHED SO FAR

UG Course in B. Arch

PG Courses in Engineering & Technology

Diploma Courses in Engineering & Technology

PG Courses in Management

UG Courses in Engineering & Technology

SALIENT FEATURES OF NEW MODEL CURRICULUM

- SUMMER INTERNSHIP MADE MANDATORY
- STUDENT INDUCTION PROGRAMME
- ENCOURAGES INNOVATION AND RESEARCH
- COURSES ON CONSTITUTION OF INDIA, ENVIRONMENT SCIENCE/ ENGINEERING AND ESSENCE OF INDIAN KNOWLEDGE TRADITION
- VIRTUAL LABORATORIES
- BETTER HANDS-ON EXPERIENCE
- ENCOURAGES PROBLEM-SOLVING APPROACH
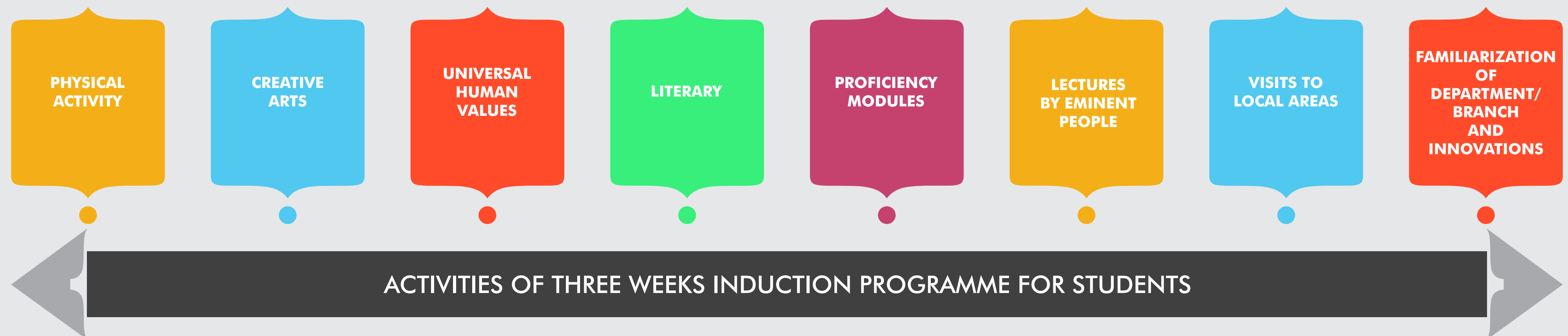- FLEXIBILITY IN DIFFERENT ENGINEERING DISCIPLINES

INDUCTION PROGRAM FOR STUDENTS

The mandatory Induction Program of three weeks, is aimed to help the new students in building social character, leadership qualities, self confidence, creativity and appreciation for mankind and nature at large. Given right at the start of first year, the program gives broader foundational experience for life long success. This program also aims to reinforce the fundamental concepts and the required language skills required for the technical education.

In order to implement the program, AICTE organised Faculty Development Programs of **3** days (**61** programs) & **7** days (**19** programs) throughout the country where total **8000+** faculty members have been trained. More such FDPs are to be conducted under outreach.

PHYSICAL ACTIVITY

CREATIVE ARTS

UNIVERSAL HUMAN VALUES

LITERARY

PROFICIENCY MODULES

LECTURES BY EMINENT PEOPLE

VISITS TO LOCAL AREAS

FAMILIARIZATION OF DEPARTMENT/ BRANCH AND INNOVATIONS

ACTIVITIES OF THREE WEEKS INDUCTION PROGRAMME FOR STUDENTS

REGION WISE DATA OF FDP-SI

	3 DAY LEVEL 0		7 DAY LEVEL 1	
	TOTAL FDP	FACULTY TRAINED	TOTAL FDP	FACULTY TRAINED
JUNE - AUG 2018	30	3566	09	397
DEC 2018 - JAN 2019	07	858	02	157
MAY - JULY 2019	39	4502	11	1094
SEPT - NOV 2019	18	788	00	00

	JUNE - AUG 2018		DEC 2018 - JAN 2018		MAY - JULY 2019		SEPT - NOV 2019	
	TOTAL FDP 3Day/7Days	FACULTY TRAINED	TOTAL FDP 3Day/7Days	FACULTY TRAINED	TOTAL FDP 3Day/7Days	FACULTY TRAINED	TOTAL FDP 3Day/7Days	FACULTY TRAINED
ERO	3	459	0	0	3	602	2	69
NRO	1	80	1	49	1	100	3	93
SWRO	9	723	0	0	8	1100	0	0
SRO	3	312	4	603	7	804	0	0
SCRO	0	0	0	0	5	550	1	51
NWRO	10	1098	2	143	4	253	9	389
CRO	7	832	2	220	13	930	3	186
WRO	6	459	0	0	9	1257	0	0
TOTAL	39	3963	9	1015	50	5596	18	788

EXAMINATION REFORMS

Globalisation of the world economy and higher education are driving profound changes in engineering education system. Future engineering graduates not only need to be knowledgeable in his/her own discipline, but also need a new set of soft, professional skills and competencies. It was felt that the final examinations being conducted by the institutions should test the understanding of the concepts and the skills – rather than the subject knowledge of the students. Accordingly, AICTE has finalized the Examination Reforms to be adopted by the Institutions. In order to train the faculty members with the Examination Reforms, 16 workshops have been conducted in which 1983 faculty members have been trained so far. The trained faculty are expected further to train other faculty members of their institutions.

WORKSHOP LOCATIONS	FACULTY PARTICIPATED(Nos.)
THRISHUR / KOCHI	210
HYDERABAD	365
AHMEDABAD	79
BHUBANESHWAR	103
PATNA	111
KOLKATA	113
PUNE	314
UDAIPUR	86
GURUGRAM	87
COIMBATORE	210
BENGALURU	113
INDORE	313
CHANDIGARH	118
MURTHAL	160
DEHRADUN	84
AGARTALA	35
16 WORKSHOPS	**2018 PARTICIPATED**

MANDATORY INTERNSHIPS

In order to ensure that technical students get exposure to the industrial environment and current technologies relevant to their subjects and opportunities to learn, understand and sharpen real-time technical and managerial skills, AICTE has made Internships mandatory. The internship experience will augment outcome based learning process and inculcate various attributes in a student in line with the graduate attributes.

To facilate internships AICTE has signed MoUs with vorious organisations, which are available on AICTE website www.aicte-india.org.

AICTE has also asked institutions to sign MoUs with at least 5 Industries to facilitate Internships to its students.

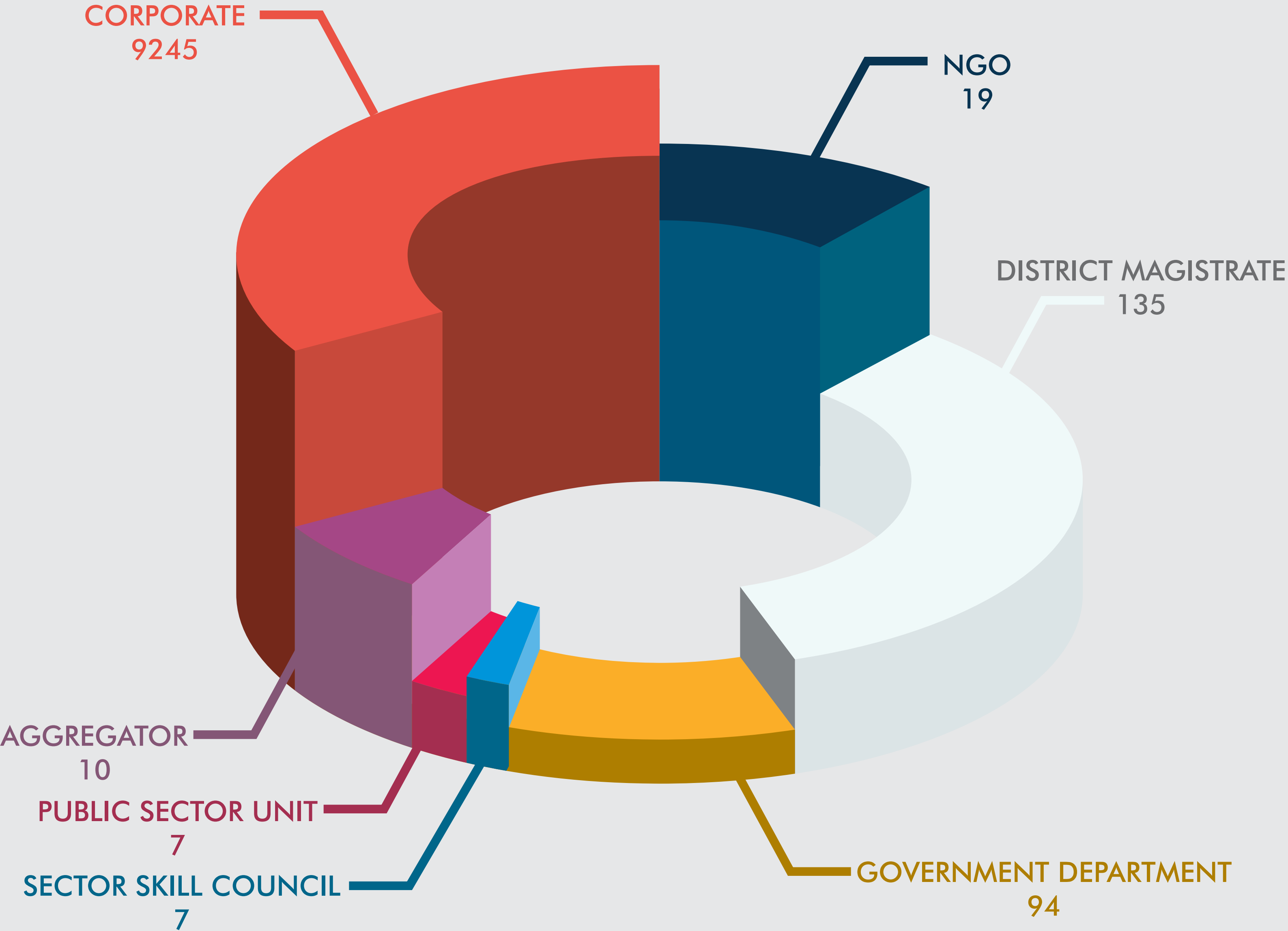# INTERNSHIP PROVIDERS ON AICTE INTERNSHIP PORTAL

CORPORATE
9245

NGO
19

DISTRICT MAGISTRATE
135

AGGREGATOR
10

PUBLIC SECTOR UNIT
7

SECTOR SKILL COUNCIL
7

GOVERNMENT DEPARTMENT
94

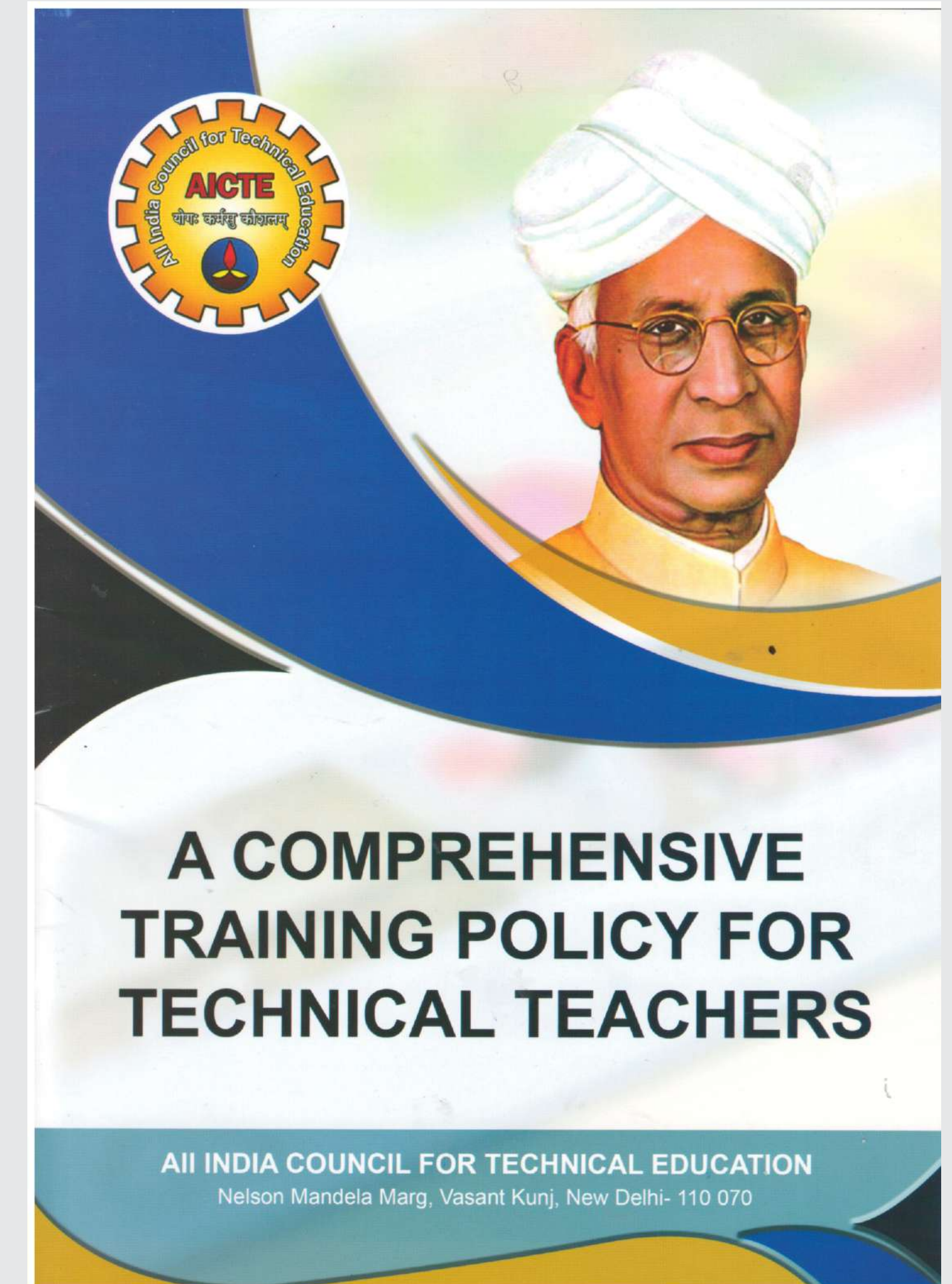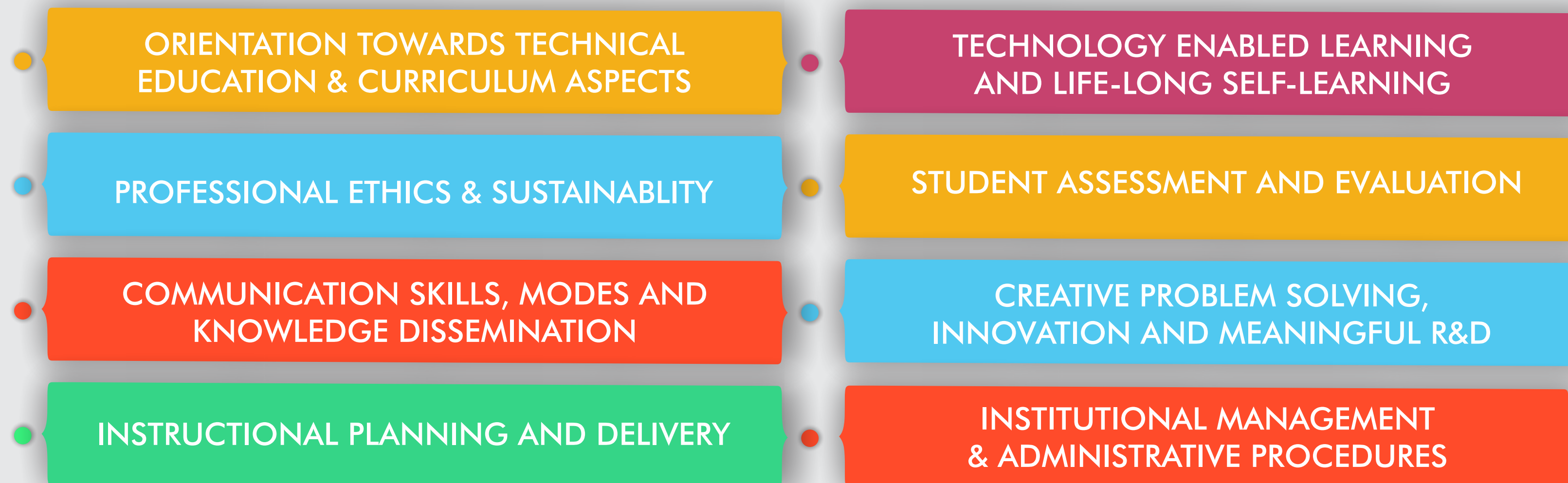## FEW AICTE'S MOU PARTNERS FOR INTERNSHIP / RELATED ACTIVITY

TRAINING FOR TECHNICAL TEACHERS

AICTE has formulated a comprehensive teacher's training policy at induction level and thereafter. The objectives of the training policy are as follows: -

- Designing and Developing Faculty and Staff Development Strategy through mandatory training, refresher courses and generic skill training.
- Keeping up to date and enhancing professional knowledge and skills needed for better performance of individuals and organizations.
- Providing better understanding of professional requirements as well sensitization to professional, socio-economic and political environment in which work is done.
- Bringing about right attitudinal changes.
- Updating faculty on latest IT Tools and technologies and processes.
- Integrate Departmental and Individual developmental needs and goals.

BROAD CONTENTS OF THE **INSTRUCTIONAL MODULES** TO BE DELIVERED ONLINE

ORIENTATION TOWARDS TECHNICAL EDUCATION & CURRICULUM ASPECTS	TECHNOLOGY ENABLED LEARNING AND LIFE-LONG SELF-LEARNING
PROFESSIONAL ETHICS & SUSTAINABLITY	STUDENT ASSESSMENT AND EVALUATION
COMMUNICATION SKILLS, MODES AND KNOWLEDGE DISSEMINATION	CREATIVE PROBLEM SOLVING, INNOVATION AND MEANINGFUL R&D
INSTRUCTIONAL PLANNING AND DELIVERY	INSTITUTIONAL MANAGEMENT & ADMINISTRATIVE PROCEDURES

A COMPREHENSIVE TRAINING POLICY FOR TECHNICAL TEACHERS

AII INDIA COUNCIL FOR TECHNICAL EDUCATION
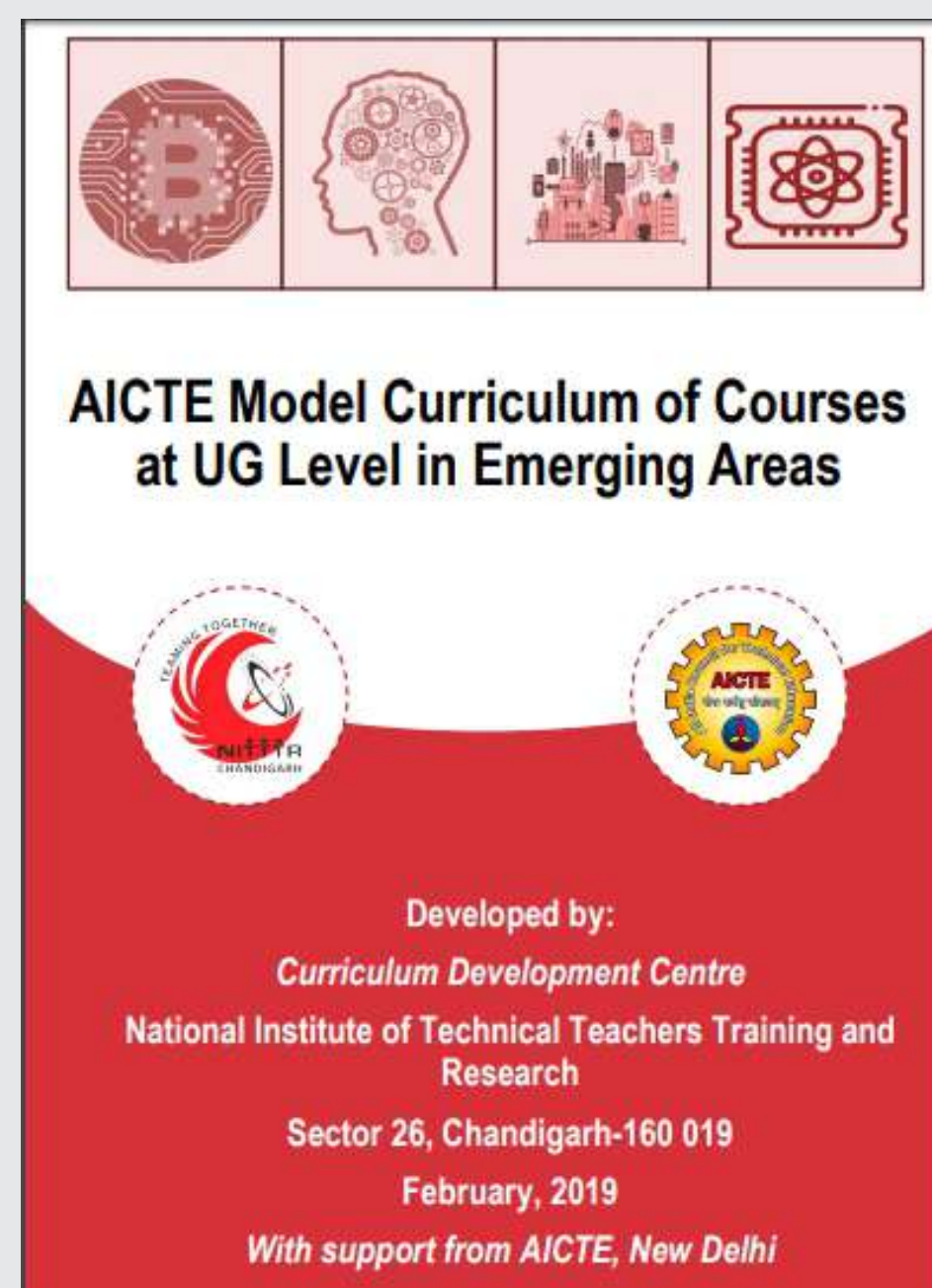Nelson Mandela Marg, Vasant Kunj, New Delhi- 110 070
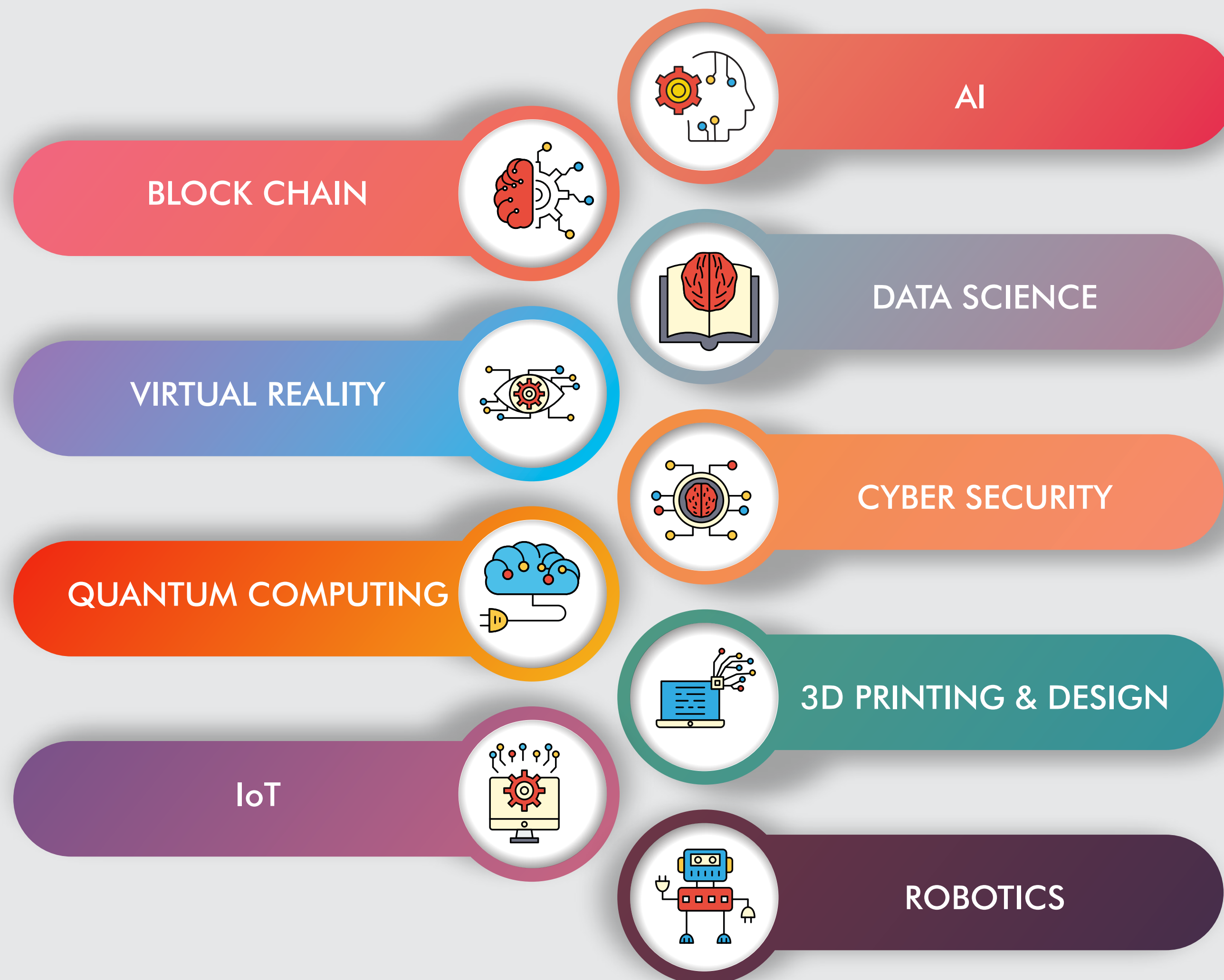
Register At -NITTT.AC.IN

PERSPECTIVE PLAN

NEW EMERGING AREAS

AICTE will be giving greater focus on multi-disciplinary courses by reducing the seats in conventional disciplines and converting the existing into courses in new emerging areas from the Academic year **2020-21**.

- Focus on multi-disciplinary courses.

- Curriculum prepared for **9** Emerging Areas.

- Courses to be offered in the form of Electives.

- Workshops organized to train the faculty based on New Curriculum.
  - **8** Workshops.
  - **400+** Faculty Trained.

AICTE Model Curriculum of Courses at UG Level in Emerging Areas

Developed by:
Curriculum Development Centre
National Institute of Technical Teachers Training and Research
Sector 26, Chandigarh-160 019
February, 2019
With support from AICTE, New Delhi

New Emerging Areas
- BLOCK CHAIN
- AI
- VIRTUAL REALITY
- DATA SCIENCE
- QUANTUM COMPUTING
- CYBER SECURITY
- IoT
- 3D PRINTING & DESIGN
- ROBOTICS

MANDATORY ACCREDITATION

It is mandatory for all technical institutions to have their **60%** programs NBA accredited in next four years, else no extension of approval will be granted..

MARGDARSHAN
(SHARE AND MENTOR INSTITUTIONS)

To improve the required quality parameters in the institutes in order to enable them to apply for NBA accreditation of their programmes by "Mentoring of institutes by a well performing institutes". Limit of fund is Rs. **50** Lakh per institute. Till date **40** Institutes selected as Margdarshan Institutes and benefiting around **765** mentee institutes.

MARGDARSHAN
(SHARE & MENTOR INSTITUTIONS)

"HUB" MENTOR INSTITUTE

MENTEE INSTITUTE

MENTEE INSTITUTE

MENTEE INSTITUTE

MENTEE INSTITUTE

MENTEE INSTITUTE

MENTEE INSTITUTE
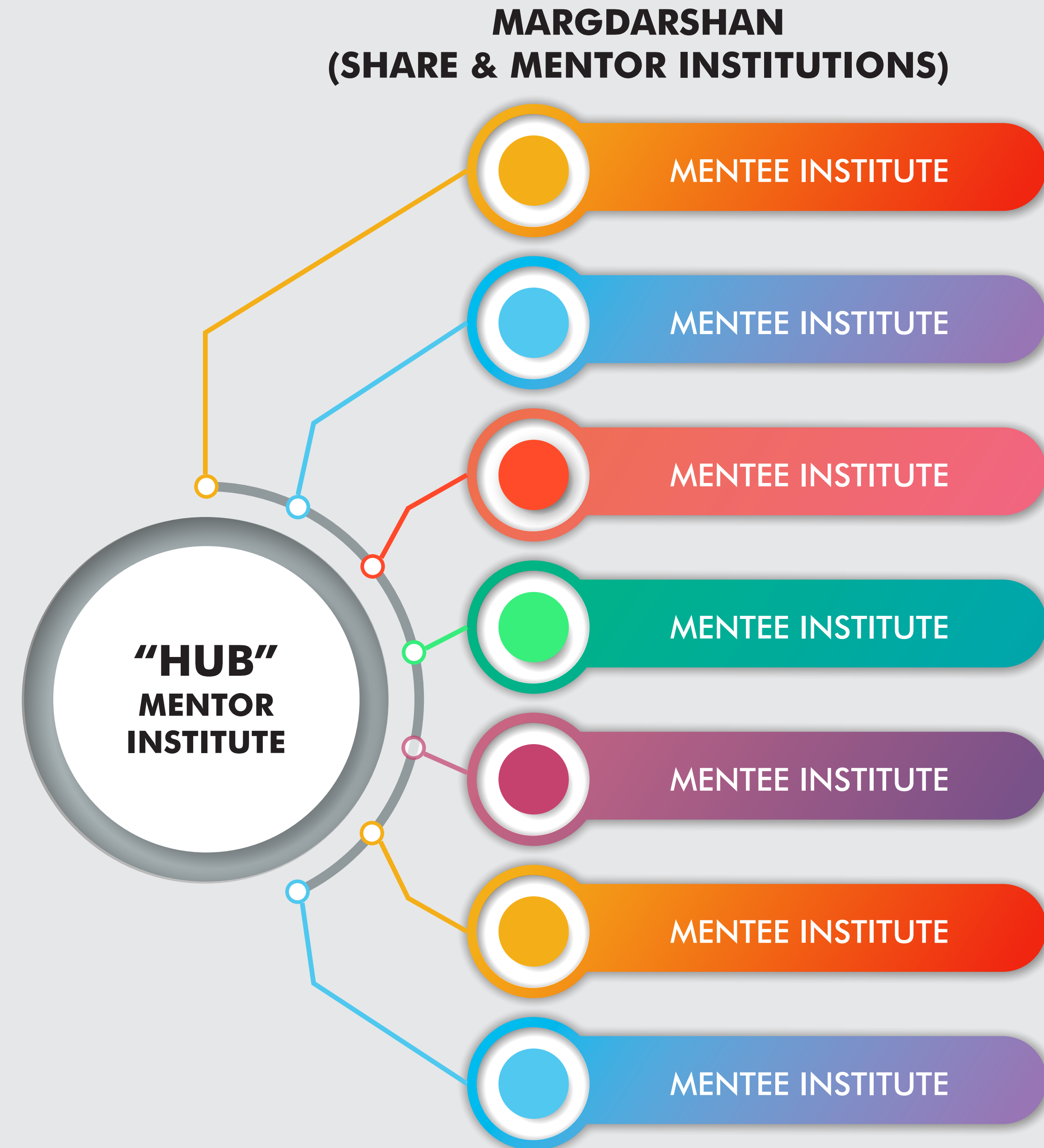
MENTEE INSTITUTE

MARGADARSHAK

To improve the required quality parameters in the institutes and to enable them to apply for NBA accreditation of their programmes. Margadarshak scheme is being implemented by AICTE. Under the scheme eminent/senior academicians are nominated as Margadarshaks. All Margadarshaks are engaged for a period of **6** months, extendable to two and half years or till completion of accreditation of **2/3rd** of programmes in the institutions, whichever is earlier. The limit of funding is honorarium of Rs. **5,000**/ visit. More than 150 Margadarshaks have been nominated till date.

FACULTY TYPE	IIT	NIT	UNIVERSITIES	AICTE APPROVED
SUPER ANNUATED	04	07	00	10
SERVING	05	10	01	33
TOTAL	09	17	01	43

SMART INDIA HACKATHON (SIH)

○ Flagship program of MHRD's Innovation Cell (MIC) Nationwide initiative

○ Platform for students to solve some pressing problems of our country

○ Inculcate culture of product innovation and a mindset of problem solving

○ Three editions were completed with huge success

○ Fourth edition will happen in the year **2020.**

PM Modi interacts with participants of 'Smart India Hackathon 2019'

INDIA-SINGAPORE HACKATHON

○ First of its kind International hackathon

○ An initiative by the Hon'ble Prime Minister of India,
Shri Narendra Modi

○ To develop innovative & out-of-the-box solutions,
by working in collaboration, for some of the daunting
problems faced by both the countries

○ **2** editions of India-Singapore Hakathon were completed
with huge success

SMART INDIA HACKATHON (SIH)

	SIH 2019 SOFTWARE EDITION	SIH 2019 HARDWARE EDITION
UNION MINISTRIES AND DEPARTMENTS	17	09
INDUSTRIES	75+	40+
TOTAL PROBLEM STATEMENTS	334	198
INSTITUTIONS	2235	2235
IDEA SUBMISSIONS	37,000+	20,000+
STUDENTS PARTICIPATING	2,00,000+	1,20,000+
NODAL CENTER FOR GRAND FINALE	48	18
TEAMS PARTICIPATING IN GRAND FINALE	1300+	250
YOUNGSTERS IN GRAND FINALE	8000+	1500+
RATIO OF MALE TO FEMALE PARTICIPATION	1.3 : 1	1.6 : 1

NATIONAL INNOVATION AND STARTUP POLICY 2019 FOR STUDENTS & FACULTY (NISP 2019):
A GUIDING FRAMEWORK FOR HIGHER EDUCATIONAL INSTITUTIONS

- NISP **2019** was launched by Hon'ble Minster of Human Resource Deve--lopment on **11th September 2019**.

- The policy intends to guide HEIs to promote students' and faculty driven innovations & start-ups.

- It will be instrumental in leveraging the potential of student's problem solving & entrepreneurial mind-set, and promoting a strong intra and inter-institutional partnerships.
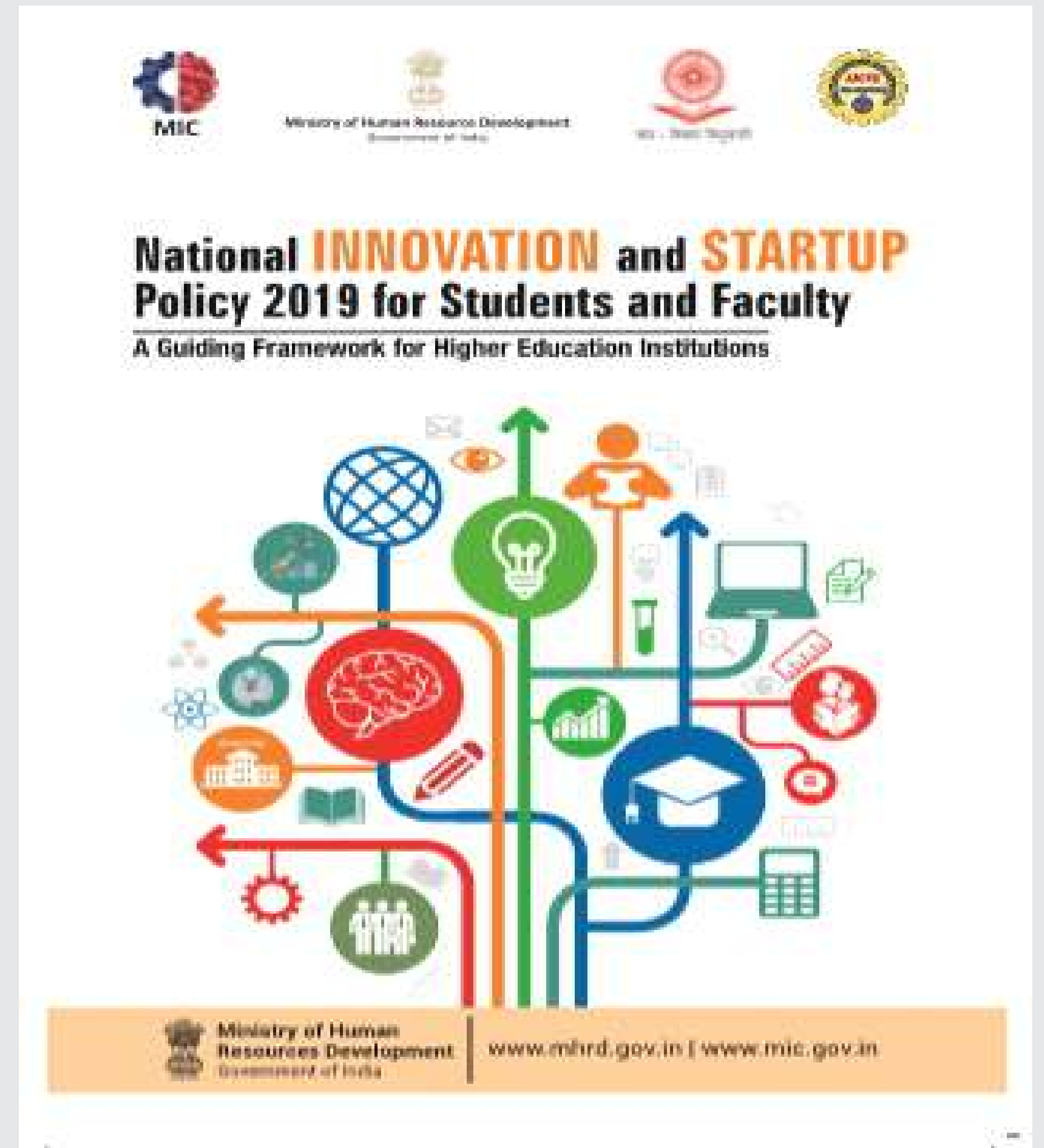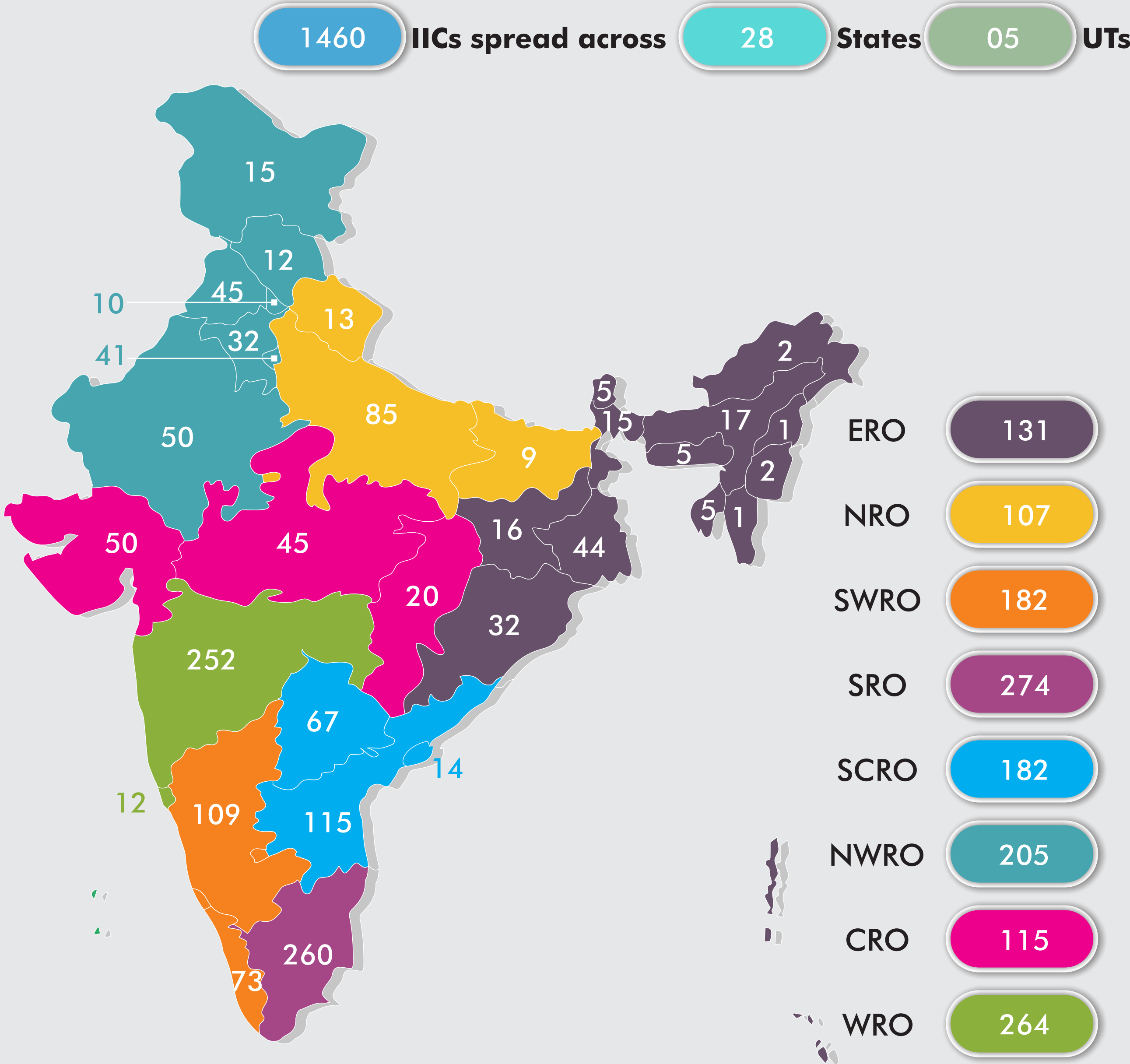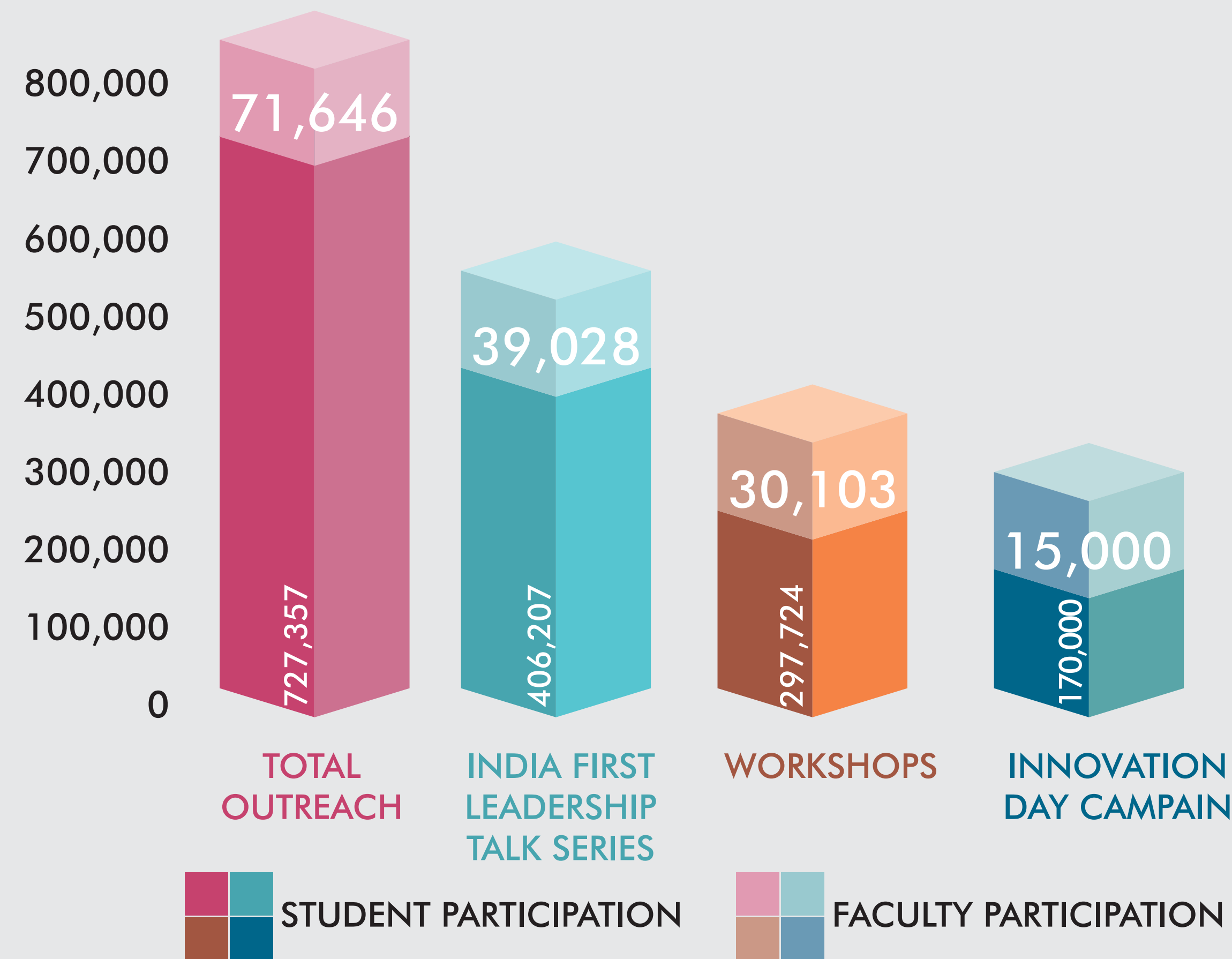
INSTITUTION'S INNOVATION COUNCIL (IIC)

- A network of more than 1450 Institution's Innovation Council (IICs) in Higher Educational Institutes across country.

- IIC operates in Hub-Spoke Model to ensure round the year activities related to innovation, entrepreneurship and IPR in campus leading to an innovation promotion eco-system in these campuses.

- To encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into innovations of tomorrow while they were informative years.
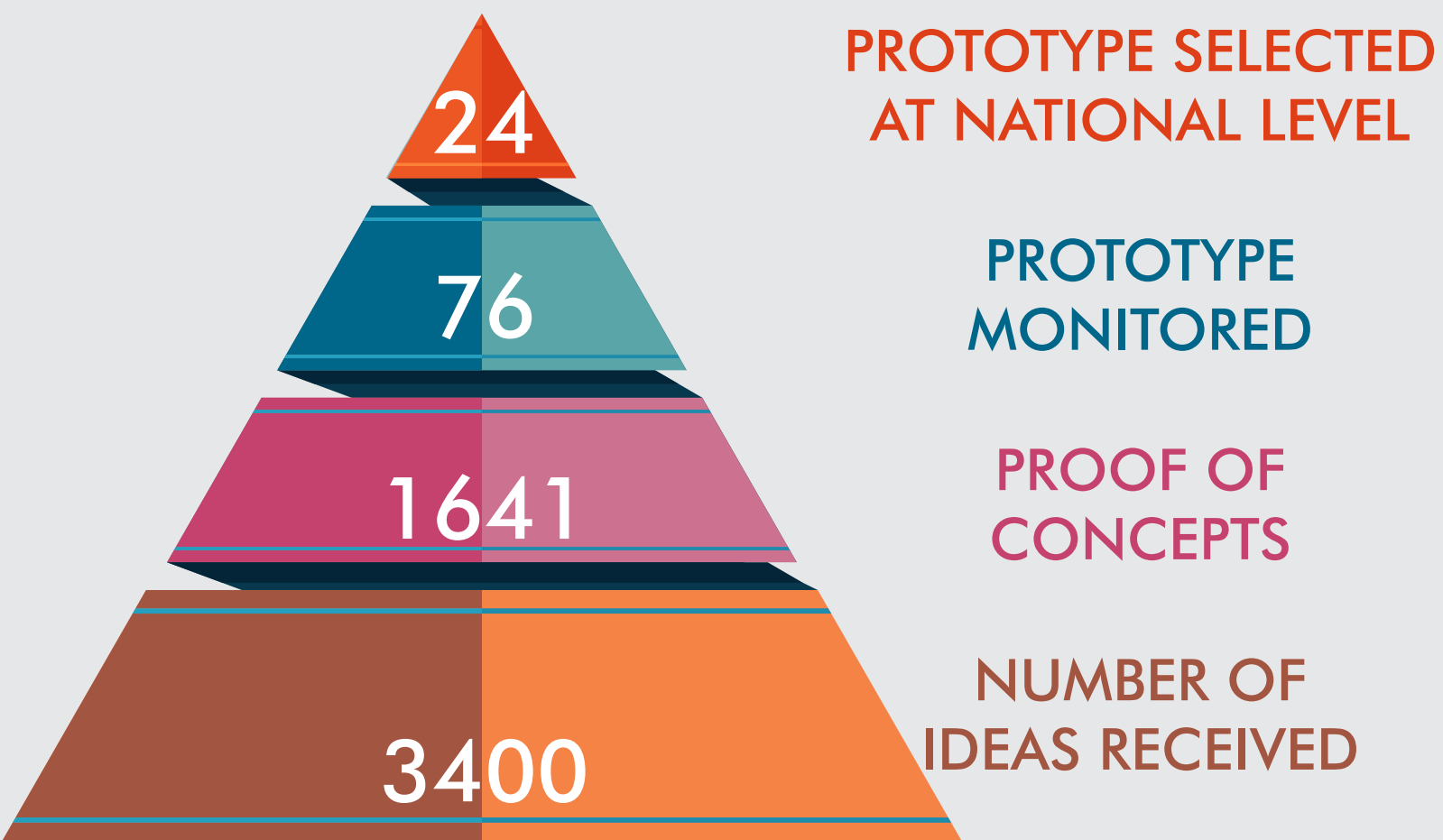
ZONAL DISTRIBUTION OF IICs

1460 IICs spread across **28** States **05** UTs

Zone	Count
ERO	131
NRO	107
SWRO	182
SRO	274
SCRO	182
NWRO	205
CRO	115
WRO	264

INSTITUTION'S INNOVATION COUNCIL (IIC)

START-UP EXPOSURE VISIT TO CANADA AND SOUTH KOREA

IICs participations, outreach and awareness generation

Pyramid:
- 24 — PROTOTYPE SELECTED AT NATIONAL LEVEL
- 76 — PROTOTYPE MONITORED
- 1641 — PROOF OF CONCEPTS
- 3400 — NUMBER OF IDEAS RECEIVED

Bar chart values:
- TOTAL OUTREACH: 71,646 / 727,357
- INDIA FIRST LEADERSHIP TALK SERIES: 39,028 / 406,207
- WORKSHOPS: 30,103 / 297,724
- INNOVATION DAY CAMPAIN: 15,000 / 170,000

STUDENT PARTICIPATION   FACULTY PARTICIPATION

# BUILDING AND STREAMLINING INNOVATION AND START-UP ECOSYSTEM IN HIGHER EDUCATIONAL INSTITUTIONS (HEI)

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

Institution's Innovation Council 2018-19 & 2019-20

- Encourage, inspire and nurture young students by exposing them to new ideas and process of resulting In innovative activities & entrepreneurial in their formative years.
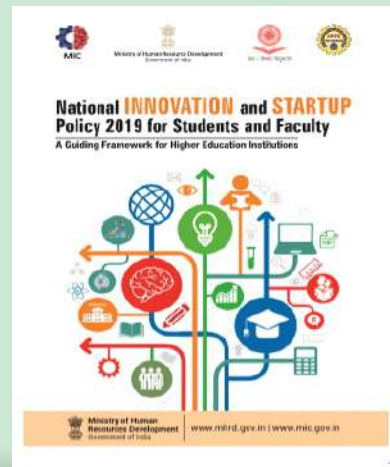
National Innovation & Startup Policy for Students & Faculties in Higher Educational Institutions

- Enabling HEIs to promote & support start-up
- Enabling student & faculty to start start-ups
- Mainstreaming innovation & start-up in heis
- Building awareness, capacity & learning
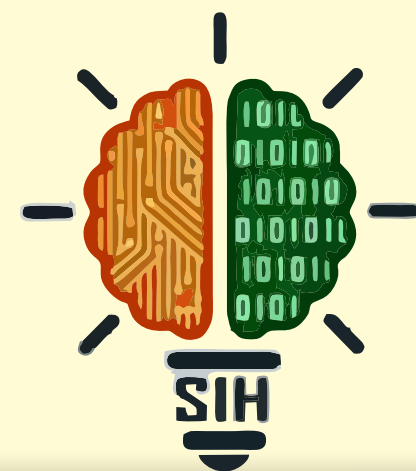
Smart India Hackathon 2017, 2018 and 2019

- Triggering creative tendency of students
- Building problem solving capacity
- Engaging youth in nation building process

ATAL Ranking of Institutions on Innovative Achievements

ARIIA
ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS

- Benchmark and measure the ecosystem
- Ranking higher educational institutes
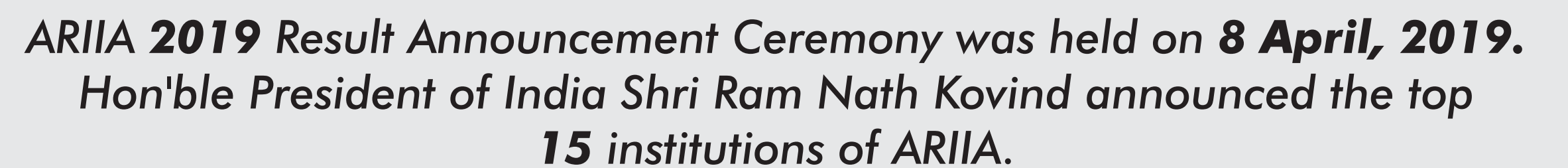- Set direction for HEIs to build ecosystem

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENT (ARIIA) 2020

Innovation and startup eco system evaluate during various parameters comprising of input, process, output and outcome.

Annual budget expenses and revenues to support innovation and startup in campus

Patent granted and published

Innovation, pre-incubation and incubation infrastructure and facilities in campus

Innovation and technology transfer and commercialization

Offer courses on innovation , IPR and startup

Successful innovation and startup emerge from campus

815 HEIs participated in **ARIIA 2019**

1000+HEIs are taking part in **ARIIA 2020**

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENT (ARIIA)

To systematically rank all major Higher Educational Institutions on indicators related to "Innovation and Entrepreneurship Development" amongst their students and faculties.

*ARIIA **2019** Result Announcement Ceremony was held on **8 April, 2019**. Hon'ble President of India Shri Ram Nath Kovind announced the top **15** institutions of ARIIA.*

NATIONAL INNOVATION AND STARTUP POLICY - NISP THRUST AREAS

- Strategies & Governance for Entrepreneurial Institute
  Pathways for Faculty & Student Entrepreneurship

- Entrepreneurial Skill Development & Incentives

- Resource Mobilization & Fund support to Startup

- IPR Ownership Rights & Licensing

- Pedagogy & Learning on Innovation & Startup

- Incubation & pre-Incubation Facilities
  Incubation Support & Equity Sharing

HIGHLIGHTING FEATURES OF NISP 2019

- **INNOVATION FUND WITH MINIMUM 1% FUNDS OF THE TOTAL BUDGET FOR FUNDING AND SUPPORTING INNOVATION AND STARTUPS**

- **ACADEMIC BREAK OF A SEMESTER / YEAR TO WORK ON THEIR STARTUPS**
  CREDITS FOR WORKING ON INNOVATIVE PROTOTYPE / BUSINESS MODELS

- **2% TO 9.5% EQUITY / STAKE IN STARTUP / COMPANY BY INSTITUTE INCUBATOR**
  COMPLETE OWNERSHIP OF IPR BY THE INVENTOR IN CASE OF NON USAGE OF INSTITUTES FACILITIES / RESOURCES
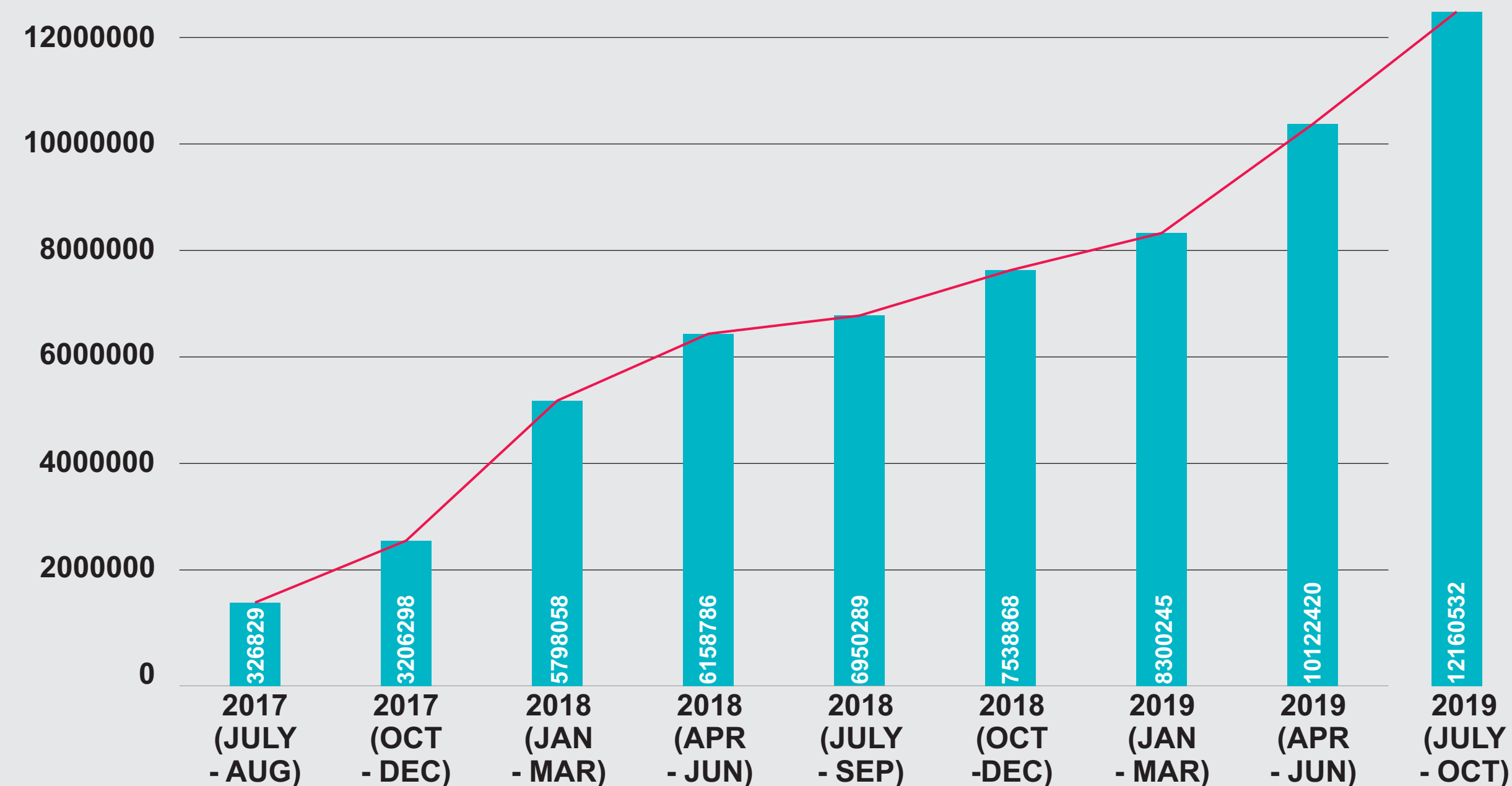
- **SERVICES BY INSTITUTE BASED ON A MIXTURE OF EQUITY , FEE BASED AND / OR ZERO PAYMENT MODEL**

SWAYAM

SWAYAM platform is indigenously developed by Ministry of Human Resource Development (MHRD) for hosting MOOCs courses: covering school, under-graduate, post-graduate programs in all subjects including engineering, law, management and other professional courses. The objective is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

TOTAL REGISTRATIONS IN SWAYAM

Period	Registrations
2017 (JULY - AUG)	326829
2017 (OCT - DEC)	3206298
2018 (JAN - MAR)	5798058
2018 (APR - JUN)	6158786
2018 (JULY - SEP)	6950289
2018 (OCT -DEC)	7538868
2019 (JAN - MAR)	8300245
2019 (APR - JUN)	10122420
2019 (JULY - OCT)	12160532

SWAYAM FOR TEACHERS
ANNUAL REFRESHER PROGRAMME
IN TEACHING (ARPIT)

The Ministry of Human Resource Development has launched Annual Refresher Programme in Teaching (ARPIT), a major and unique initiative towards online professional development of 1.5 million higher education faculty using the MOOCs platform SWAYAM, on 13th November, 2018. Its aim is to enhance the Professional Skills of faculty by way of online courses in various disciplines developed by the domain experts.

NATIONAL COORDINATORS

SWAYAM is A Vision & An Innovation of MHRD Executed by AICTE

ARPIT STATISTICS

ARPIT 2018
Trained Teachers
51000

ARPIT 2019
Undergoing Training
1 Lakh+

TOTAL COURSES IN ARPIT

80	
70	71 (2018)
60	
50	51 (2019)
40	
30	
20	
10	
0	

2018: 71
2019: 51
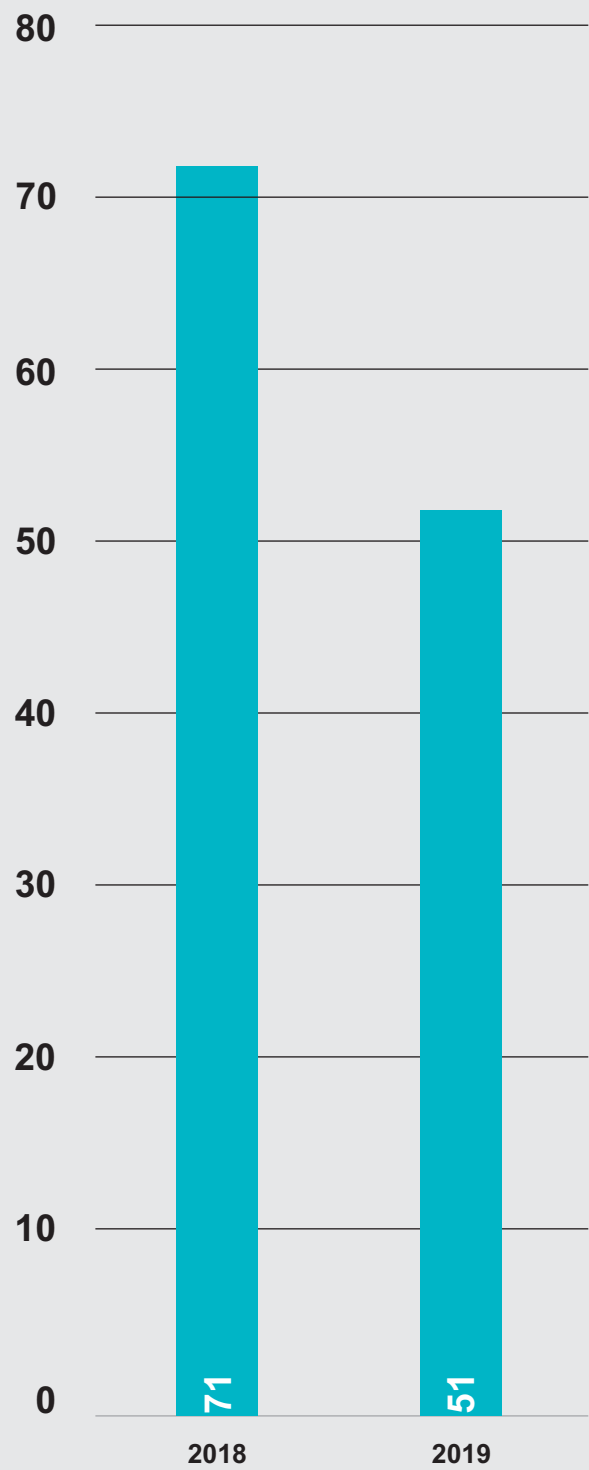
TOTAL ENROLMENT IN ARPIT

80	
70	71 (2018)
60	
50	51 (2019)
40	
30	
20	
10	
0	

2018: 71
2019: 51
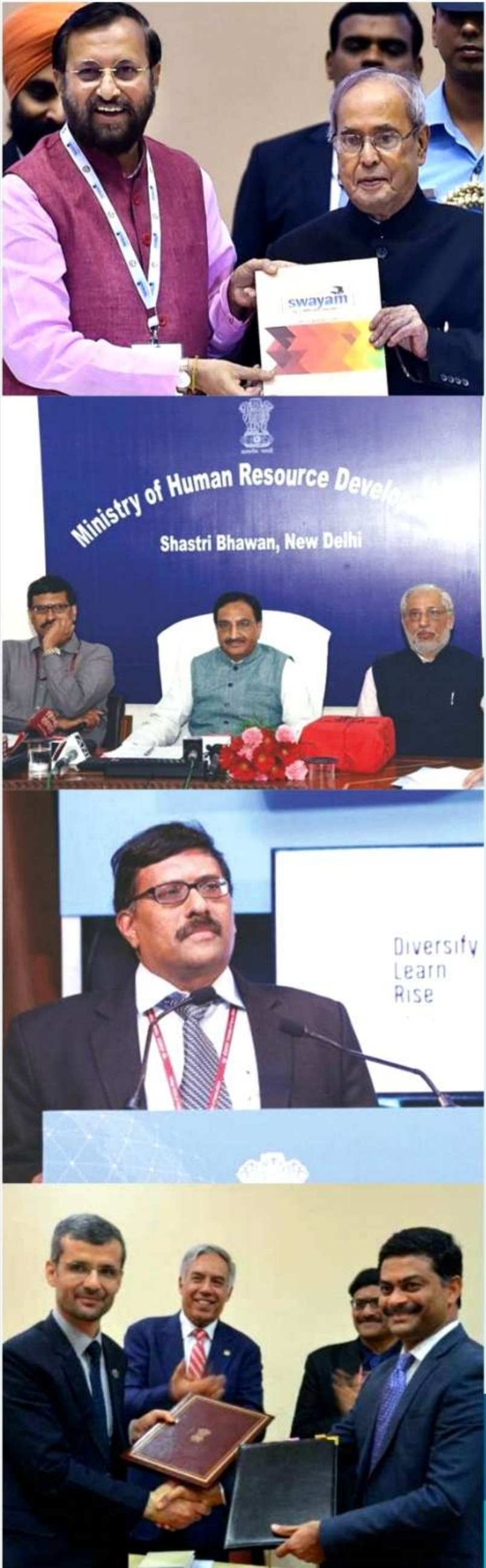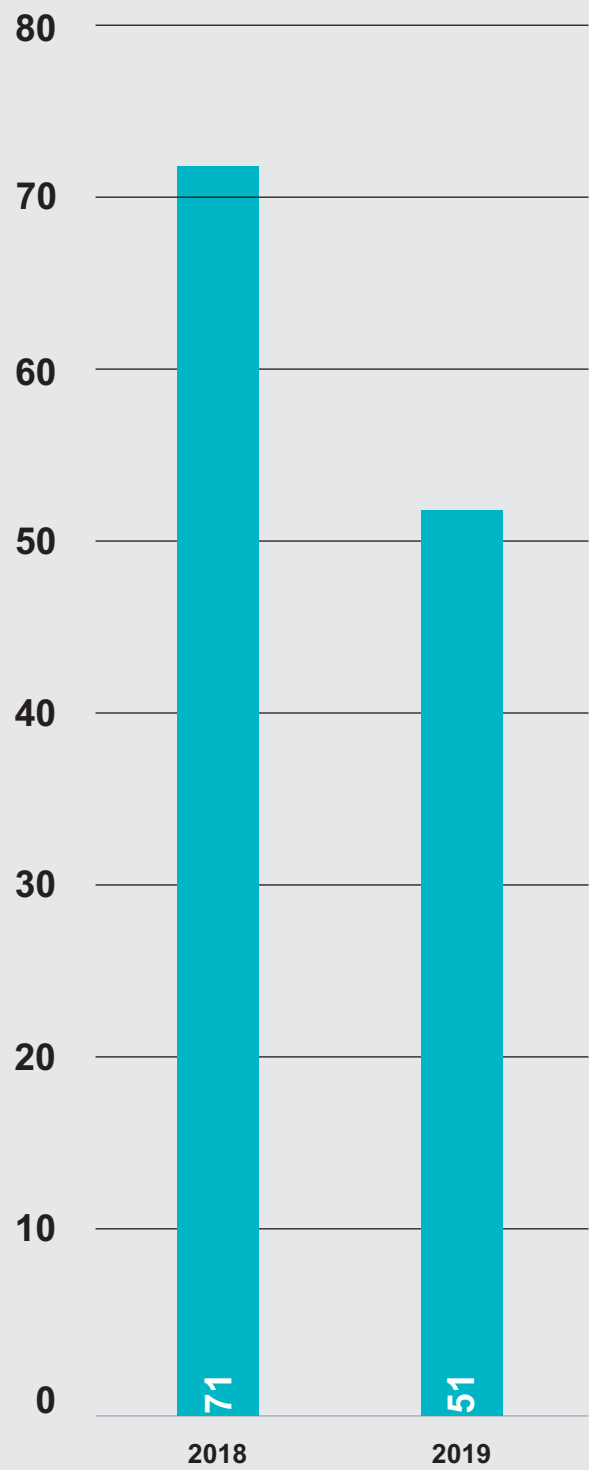
PRIME MINISTER'S SPECIAL SCHOLARSHIP SCHEME (PMSSS) FOR JAMMU & KASHMIR

Objective :

⭕ Build the capacities of the youth of Jammu & Kashmir by Educating, Enabling and Empowering them to compete in the normal course.

⭕ To enhance and formulate employment opportunities among Jammu & Kashmir students for leading a quality life.

⭕ To enable youth of J&K to compete in normal course as part of National Integration by giving them opportunities to study under-graduate courses in other States.

AICTE is currently providing scholarships to around **12000** students of J & K studying in different streams all over India. Scholarships are given @ **Rs. 1,00,000** as maintenance charges and Academic Fee upto a maximum of **Rs. 30,000** for General Degree, **Rs. 1,25,000** for Engineering Degree and **Rs. 3,00,000** for Medical Degree students each year, per student.

AICTE has organised **50** workshops at different places in Jammu & Kashmir since **2012-13** to make the stakeholders aware of the Scheme. During the academic year **2019-20** awareness workshops have been organized in Jammu, Rajouri, Doda, Kathua, Anantnag, Kupwara, Baramulla, Srinagar, Leh and Kargil.During current academic year highest number of **4414** students have been admitted under the Scheme.

AICTE AWARENESS WORKSHOP AT KARGIL

PMSSS BENEFICARIES

NUMBER OF STUDENTS

Year	Students
2013-14	4159
2014-15	1963
2015-16	1338
2016-17	2645
2017-18	2847
2018-19	2215
2019-20	4414

YEARS
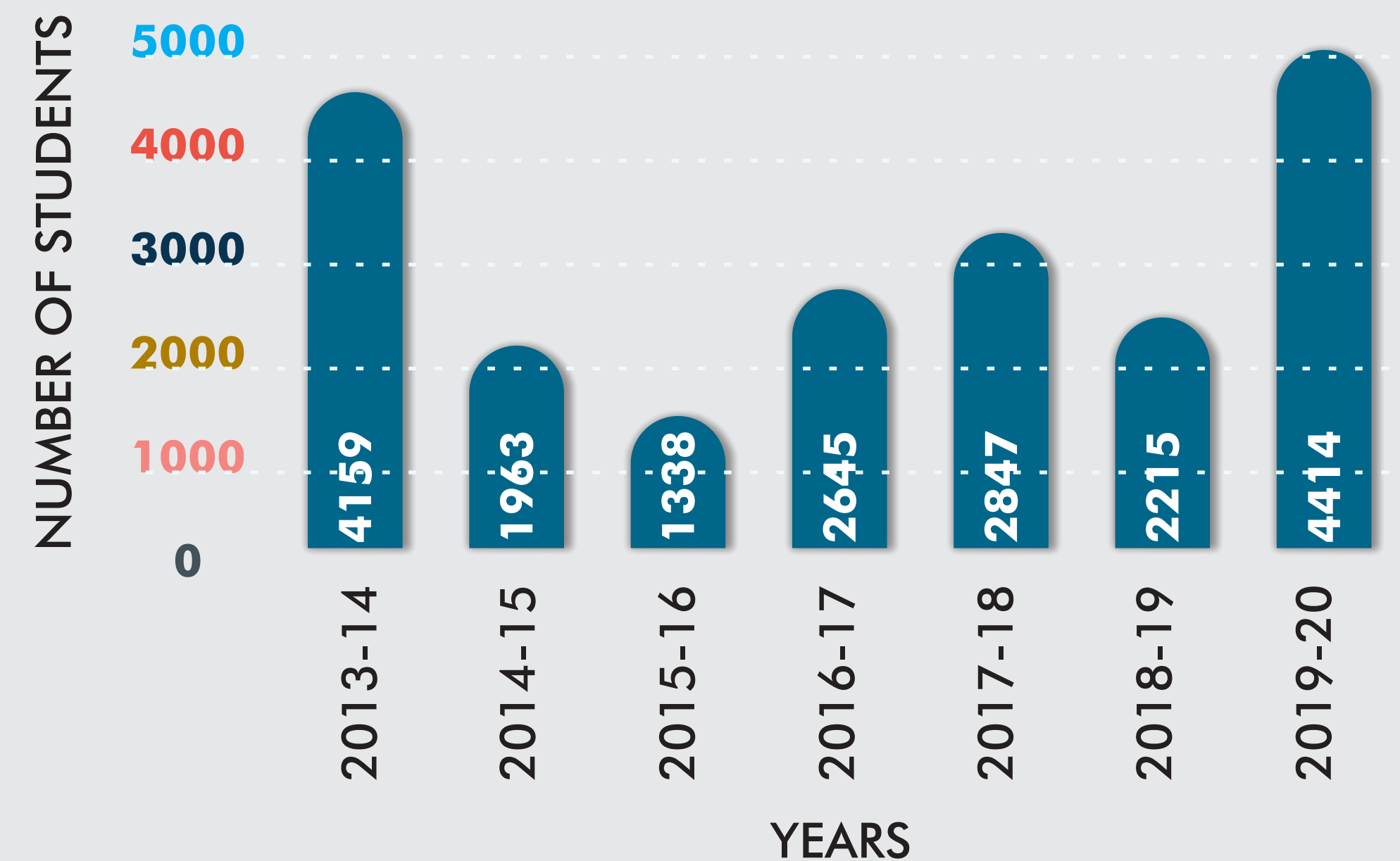
POST GRADUATE SCHOLARSHIP SCHEME

AICTE in order to ensure development of technical education in India awards Post Graduate Scholarship of **Rs. 12,400/-** per month through its Post Graduate Scholarship Scheme to full time GATE/GPAT qualified students admitted to AICTE approved programs of Master of Engineering, Master of Technology, Master of Architecture and Master of Pharmacy courses in AICTE approved Institutions and AICTE approved University Departments.

PG Scholarship expenditure details during the FY 2004-05 to 2018-19 | ■ Amount released (In Crores)

Bar chart values:
Year	Amount released (In Crores)
2004-05	28
2005-06	58
2006-07	59
2007-08	47
2008-09	78
2009-10	91
2010-11	92
2011-12	164
2012-13	203
2013-14	172
2014-15	315
2015-16	355
2016-17	353
2017-18	336
2018-19	347
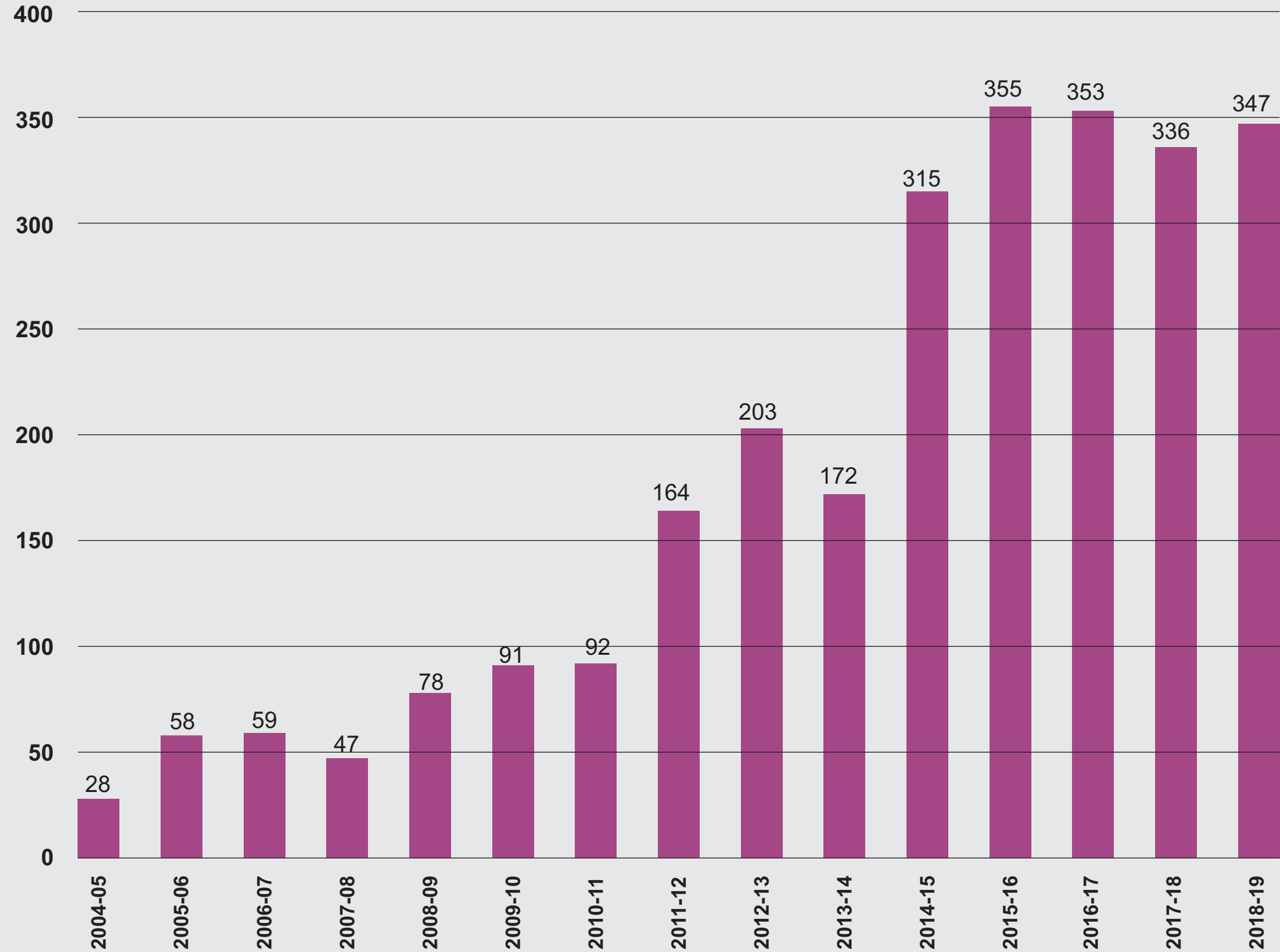
PG SCHOLARSHIP BENEFICIARIES

Map beneficiary values: 212, 279, 78, 588, 470, 875, 1140, 15, 3, 2747, 1533, 267, 4, 16, 12, 1242, 3250, 474, 1552, 21, 4, 1880, 809, 533, 7, 5982, 17, 2460, 121, 1106, 3198, 14, 7, 805, 2776
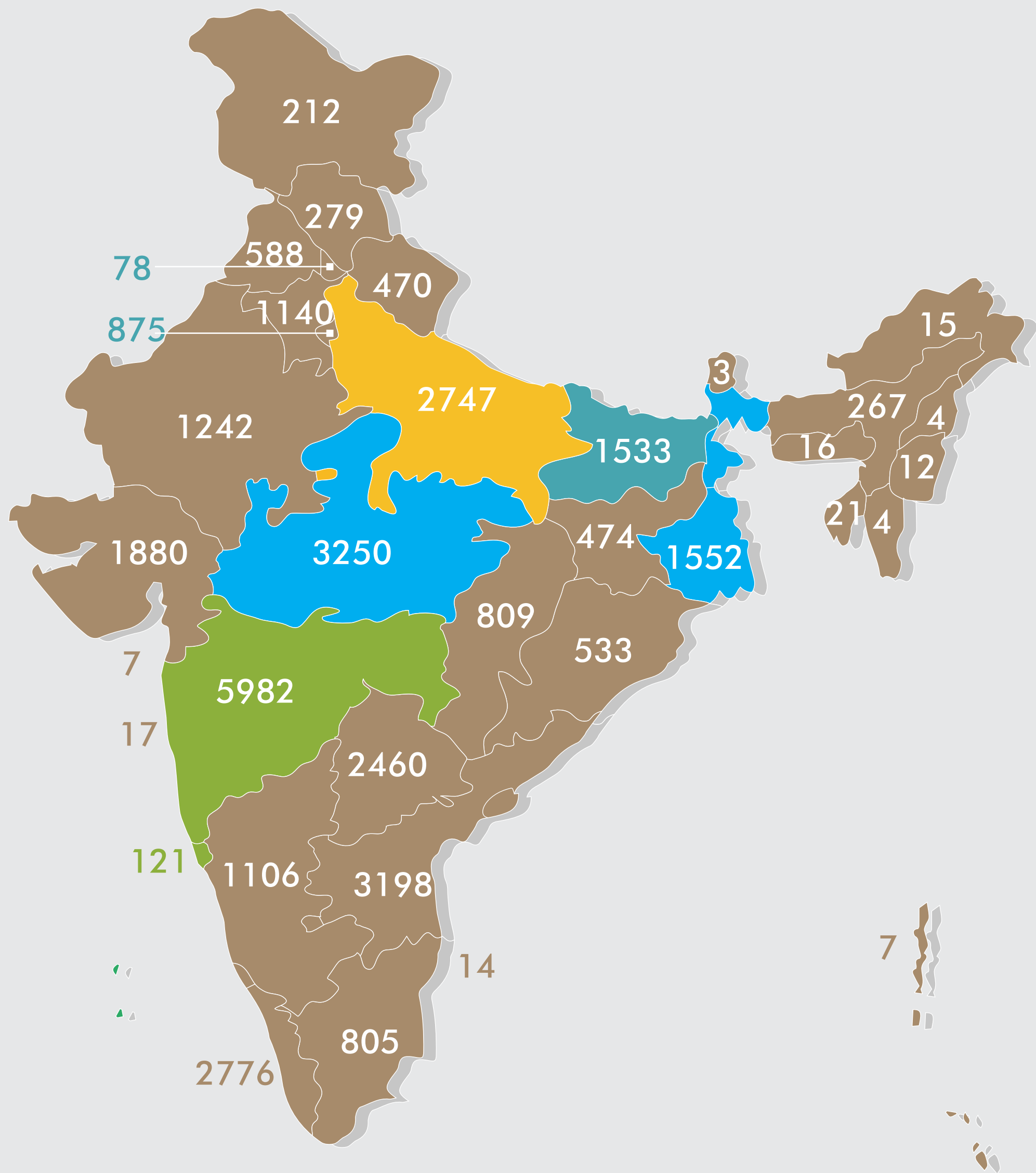
NATIONAL DOCTORAL FELLOWSHIP (NDF) SCHEME

In order to promote research culture in AICTE approved Institutions, nurture talents for technical research and collaborative research between Institute and Industries leading to start-ups, AICTE launched a scheme of National Doctoral Fellowship (NDF) from the academic year **2018-19** for admitting full time meritorious students for Ph.D. Selected Candidates are awarded fellowship of **Rs. 28,000/-** (+) H.R.A. as per MHRD guidelines. Contingency of **Rs. 15,000/-** per annum is also payable and fellowship enhancement as per MHRD orders.

INFORMATION	2017-18	2018-19
No. of Intake	150	300
No. of NDF Centres	28	37
No. of Self Financing NDF Centres	NA	~10 Institutes ~ 30Seats

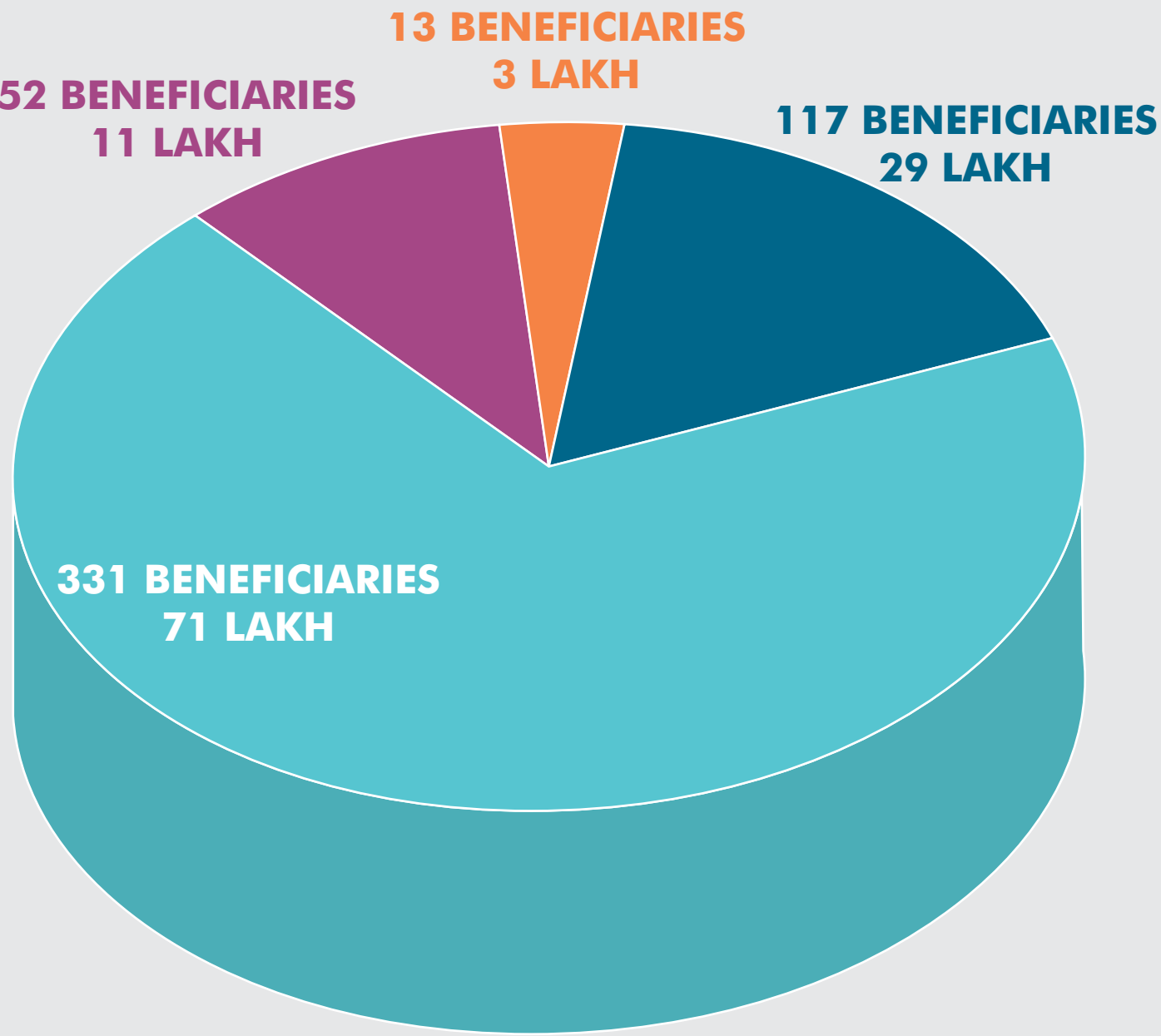*NDF fellows first batch 2018-2019 with Chairman, AICTE*

SAKSHAM SCHOLARSHIP SCHEME

With an aim at providing encouragement and support to specially-abled children to pursue Technical Education, AICTE introduced Saksham Scholarship Scheme. This is an attempt to give every young student, specially abled, an opportunity to take up higher studies and prepare for a successful future. Total Number of Scholarship-1000 Students per Annum (**500** for Degree and **500** for Diploma) The candidate should be admitted to 1st year of Degree/Diploma course in any of the AICTE approved Institution.

The Scholarships for Degree and Diploma are transferable in the event of non-availability of eligible applicant in any of the Degree/Diploma level Programme. Specially abled Students, having disability of not less than **40%** and family income not more than Rs.8 lakh per annum are entitled as beneficiaries of the scheme. The selection of candidate will be made on basis of merit. Amount of scholarship: Tuition Fee of **Rs. 30,000/-** or at actual, whichever is less and **Rs.2000/-** per month for **10** months as incidental charges each year.

YEAR	OPEN		OBC		SC		ST		GRAND TOTAL	
	SCHOLARS	AMOUNT	SCHOLARS	AMOUNT	SCHOLARS	AMOUNT	SCHOLARS	AMOUNT	TOTAL SCHOLARS	TOTAL AMOUNT (IN LAKH)
2014-15	7	2.29	24	7.22	4	1.25	1	0.21	36	11.48
2015-16	30	9.21	16	4.88	5	1.31	0	0	51	15.40
2016-17	58	14.54	248	52.53	38	7.71	5	1.00	349	75.80
2017-18	39	8.76	86	19.24	12	2.52	5	1.10	142	31.62
2018-19	41	10.72	85	18.23	12	2.75	3	0.60	141	32.31
TOTAL	175	46.04	459	102.12	71	15.54	14	2.91	719	166.63

13 BENEFICIARIES
3 LAKH

52 BENEFICIARIES
11 LAKH

117 BENEFICIARIES
29 LAKH

331 BENEFICIARIES
71 LAKH

SAMRIDDHI SCHEME

The objective of the scheme is to help SC/ST students of AICTE approved Institutions in designing, launching and running their own business/start-up through Entrepreneurship Development Programme after or during formal education as per AICTE's start-up policy. The funding limit of the scheme is up to **Rs. 20 Lakh.**

SKILL AND PERSONALITY DEVELOPMENT PROGRAMME CENTRE FOR SC/ ST STUDENTS

The objective of the Scheme is to empower the SC/ ST students by providing special skill trainings apart from regular studies with help of modules on communication, personality development and proficiency in English language.

PRERANA SCHEME

The broad objective of the scheme is to help SC/ST students seeking higher education through admission test like GATE/ GPAT/CAT/CMAT/ TOEFL/ IELTS and GRE. Limit of funding is upto **Rs.10 Lakh**.

NAME OF THE SCHEME	YEAR	PROPOSAL RECEIVED	FUND SANCTIONED (IN LAKH)	BENEFICIARIES	
				INSTITUTES	STUDENTS
	2016-17	209	25.30	3	
SPDP	2017-18	472	305.8	30	~10,000
	2018-19	218	871.5	72	~11,000

PRAGATI SCHOLARSHIP SCHEME

With an aim to provide assistance for Advancement of Girls pursuing Technical Education, AICTE provides assistance through Pragati Scholarship Scheme. This is an attempt to give young Women the opportunity to further her education and prepare for a successful future by "Empowering Women through Technical Education". Total Number of Scholarship-4000 per annum (2000 for Degree and 2000 for Diploma).

Provides assistance for Advancement of Meritorious Girls pursuing Technical Education

The candidate should be admitted to first year of Degree/Diploma course in any of the AICTE approved Institution. Two girls per family are eligible, whose family income is not more than 8 lakh per annum. The selection of candidate will be made on merit basis. Amount of scholarship: Tuition Fee of Rs. 30,000/- or actual, whichever is less and Rs.2000/- per month for 10 months as incidental charges each year.

YEAR	OPEN		OBC		SC		ST		GRAND TOTAL	
	SCHOLARS	AMOUNT	SCHOLARS	AMOUNT	SCHOLARS	AMOUNT	SCHOLARS	AMOUNT	TOTAL SCHOLARS	TOTAL AMOUNT (IN LAKHS)
2014-15	1104	492.97	1174	799.75	149	56.39	29	9.51	2456	1358.64
2015-16	1207	309.57	2448	669.37	441	97.11	158	40.18	4254	1116.24
2016-17	1119	257.90	2228	512.70	508	110.83	103	232.7	3958	1114.24
2017-18	435	96.33	1129	273.34	329	73.82	81	18.40	1974	461.91
2018-19	UNDER PROCESS									
TOTAL	3865	1156.79	6979	2255.18	1427	338.17	371	300.89	12642	4051.04

RESEARCH PROMOTION SCHEME (RPS)

The objective of this Scheme is to promote research capabilities of the faculty members of AICTE approved Technical Institutions. Qualified faculty is provided with a funding upto a limit of Rs. 25 lakhs for three years to complete research projects of their interest. So far 504 projects have been sanctioned.

In addition special emphasis has been laid to provide the grant to SC/ST faculties & faculties of management institutes. The scheme has benefitted hugely the faculty, institutes, students and has enabled the institutes for providing quality research avenues to all.

YEAR	NO. OF RPS PROJECT & GRANT SANCTIONED		AMOUNT OF GRANT RELEASED AS 1ST,2ND & 3RD INSTALMENT	
	NO. OF PROJECT	GRANT (IN LAKHS)	NO. OF PROJECT	GRANT (IN LAKHS)
2013-14	162	1728.50	162	1746.53
2014-15	56	729.00	30	206.32
2015-16	UNDER PROCESS		64	496.16
2016-17	85	1185.00	26	13.76
2017-18	61	799.07	100	1178.62
2018-19	90	1704.74	117	1721.76
2019-20	UNDER PROCESS		05	76.53

Dept. of Pharmaceutical Chemistry
Tissue Culture Lab

VISHWAKARMA AWARDS-2019-20

AICTE has been organizing Vishwakarma Awards from 2017 onwards, to encourage and motivate young students and institutions to raise their performance in their specific domains leading to significant contribution towards the growth and development of the nation as a whole.

1st Vishwakarma Awards held on **September 19, 2017**
Theme :To convert existing institute into smart institute using innovative approaches.
Nos. of Applicants: **106**
Teams Awarded: **16**

2nd Chhatra Vishwakarma Awards was held on **January 21st, 2019.**
Theme: "Empowerment of Villages through Technologies"
Nos. of Applicants:**1607**
Teams Awarded: **19**

This year's theme is: **"How to enhance the income of Village"**

Award will be given in **02** categories:
Category-I: Chhatra Vishwakarma Awards for Outstanding Innovative Team (for Students & Mentor).
Category-II: Utkrisht Sansthan Vishwakarma Award for exemplary Institutional intervention

Hon'ble Vice President of India Shri Venkaiah Naidu Interacting with students & felicitating winners of CVA' 2018
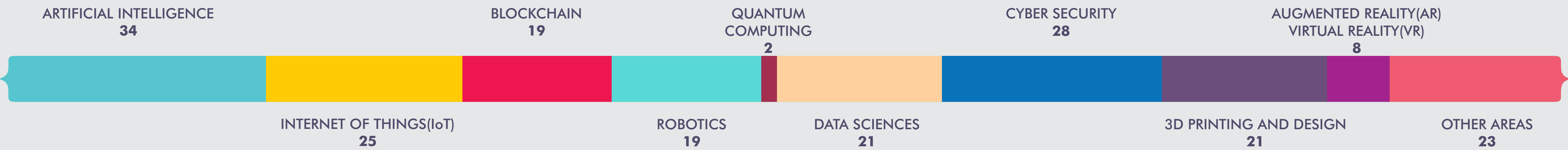
AICTE TRAINING AND LEARNING (ATAL) ACADEMY

The primary objective of the ATAL Academy is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in emerging areas such as Artificial Intelligence, Data Sciences, Internet of Things (IoT), Cyber Security, Block chain, 3D Printing & Design, Robotics Augmented Reality (AR) / Virtual Reality (VR) and Quantum Computing to meet the requirements of the Industry **4.0.**

Initially AICTE has established four Training And Learning (ATAL) Academy at Jaipur, Vadodara, Guwahati & Trivandrum.

ATAL Academy is conducting a series of Training Program in various thrust areas in all the four academies. Total of **200** training program is sanctioned in the Financial Year **2019-20.**

ATAL THRUST AREA-WISE PROGRAMME DISTRIBUTION

ARTIFICIAL INTELLIGENCE
34

BLOCKCHAIN
19

QUANTUM COMPUTING
2

CYBER SECURITY
28

AUGMENTED REALITY(AR) VIRTUAL REALITY(VR)
8

INTERNET OF THINGS(IoT)
25

ROBOTICS
19

DATA SCIENCES
21

3D PRINTING AND DESIGN
21

OTHER AREAS
23

TOTAL NUMBER OF PROGRAMMES **200**

SUPPORT TO STUDENTS FOR PARTICIPATING IN COMPETITIONS ABROAD

The scheme provides travel assistance and registration fees for a team of minimum two, to maximum ten engineering students who have been national winners, for attending the competition at international level. Financial support of Rs. 1 lakh per candidate, not exceeding Rs. 10 lakh for ten students is provided. So far 49 students have been benefitted under this scheme.
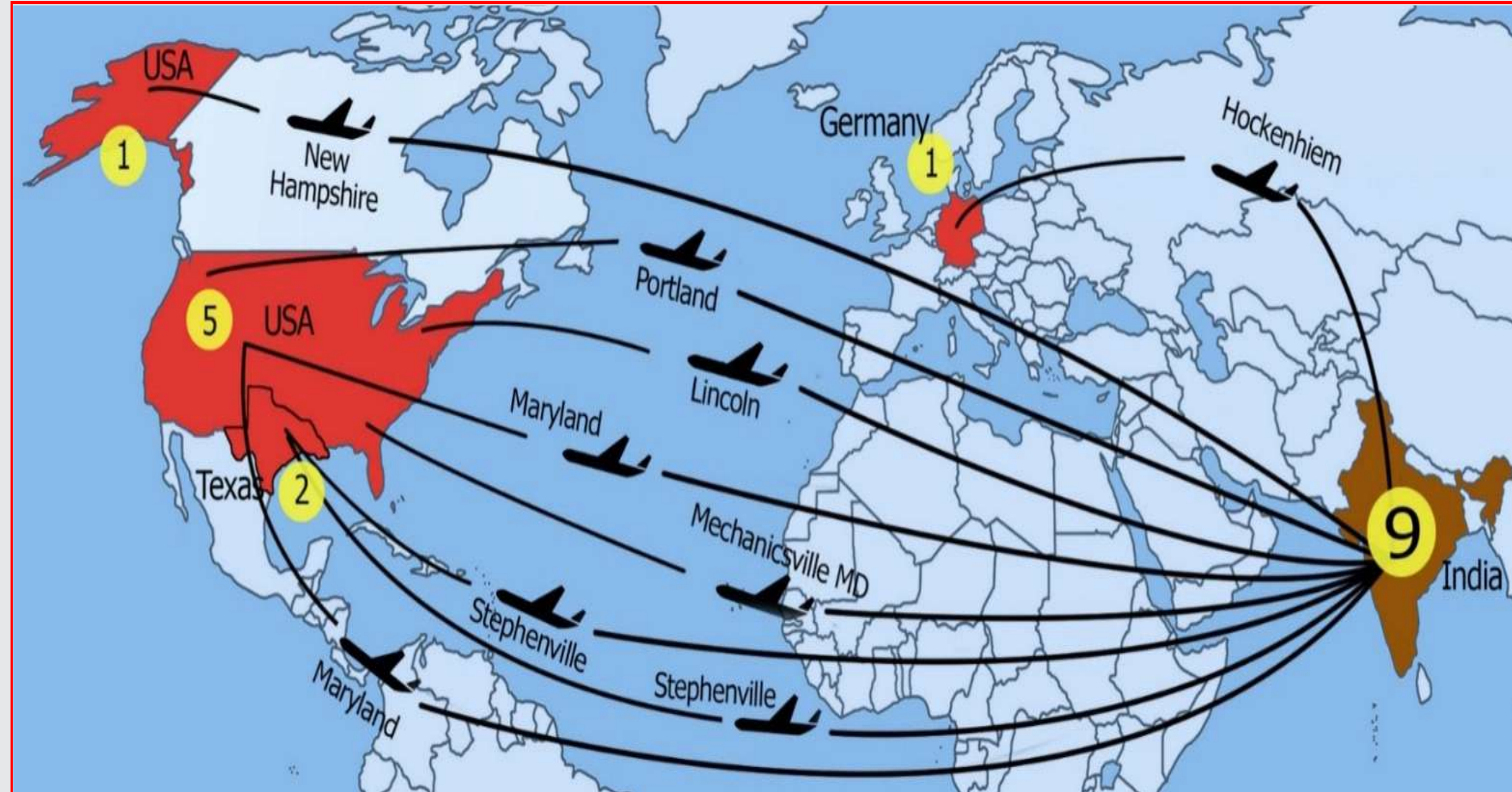
QUALITY IMPROVEMENT PROGRAMME (QIP)

The main objective of the programme is to upgrade the qualification of the faculty members of the degree level institutions in the country. Scholarship @**Rs. 15,000/-** pm and **Rs. 9,000/** pm is given to Ph.D/ M.Tech. scholars respectively. The scheme presently is applicable & benefitting engineering, pharmacy and Polytechnic faculties. As of date 106 QIP centers (Engineering-82, Pharmacy-10, Polytechnic-14) are in existence.

QUALITY IMPROVEMENT PROGRAMME (FOREIGN UNIVERSITIES) QIP-FU

The objective of the Scheme is to facilitate faculty to obtain Ph.D. with scholarship from top **500** foreign Universities/Institutes based on ranking by QS, Times & Shanghai ranking. The limit of funding is **Rs.25000/-** per month**.**

TEACHERS RESEARCH FELLOWSHIP SCHEME (AICTE-INAE)

The main objective of the Scheme is to motivate the faculty towards research and help for their doctoral degree so as to produce more teachers having Ph.D. degree in the country. Scholarship @ **Rs.15,000/-** per month and Contingency Grant @ **Rs. 10,000/-** per year is given.

DISTINGUISHED VISITING PROFESSORSHIP (DVP) SCHEME (AICTE-INAE)

The Scheme provides for involvement of distinguished persons from industries & retired INAE professors in teaching activities in AICTE institutes.

AICTE- TECHNICAL UNIVERSITY JOINT TRAINING PROGRAMS FOR TEACHERS

A five days training programme is conducted for faculty members to prepare them for being successful in a knowledgeable society. Presently MOU has been concluded with 13 Technical Universities. In addition, the scheme also caters for a course for librarian. The limit of funding is **Rs. 3 lakhs** to be shared equally by AICTE and the University.

Gujarat Technological University, Ahmedabad (Gujarat)

Maharaja Ranjit Singh Punjab Technical University, Bhatinda (Punjab)

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (MP)

Bikaner Technical University, Bikaner (Rajasthan)

I.K. Gujral Punjab Technical University, Kapurthala (Punjab)

Rajasthan Technical University (RTU), Kota, Rajasthan

Dr. A.P.J. Abdul Kalam Technical University, Lucknow.

Uttarakhand Technical University, Dehradun.

Visvesvaraya Technological University, Karnataka.

Anna University, Chennai.

JNTU Kukatpally, Hyderabad.

Chhattisgarh Swami Vivekananda Tech. University, Bhilai, Chhattisgarh

Dr. Babasaheb Ambedkar Technological University, Raigarh, Maha.

AICTE AND NATIONAL PROGRAM TECHNOLOGY ENHANCED LEARNING (NPTEL) COLLABORATION

NPTEL courses in collaboration with AICTE are to be undertaken and successfully completed by faculty, post which the same will be considered for faculty promotions under CAS/direct recruitment. MOOCs (Massive Open Online Courses) of NPTEL and their equivalence to regular FDPs, shall be considered as under:

SL. NO.	NO. OF WEEKS OF NPTEL COURSES	LECTURES PER WEEK	TOTAL NO. OF HRS. OF ENGAGEMENT	EQUIVALENCE OF NPTEL COURSES WITH REGULAR FDP
1.	4	3	12	½ FDP OF ONE WEEK
2.	8	3	24	FULL FDP OF ONE WEEK
3.	12	3	36	1 ½ FDP

MOU SIGNED WITH AICTE – NPTEL COURSES

- NPTEL MOOCs
- Advanced courses
- Faculty development programmes
- Faculty promotion under CAS
- Direct recruitment.

NPTEL – AICTE Initiative - State Wise Distribution

STATES	NO. OF FDP CERTIFICATES	STATES	NO. OF FDP CERTIFICATES	STATES	NO. OF FDP CERTIFICATES
TAMIL NADU	3114	RAJASTHAN	78	JAMMU AND KASHMIR	18
MAHARASHTRA	1342	HARYANA	52	JHARKHAND	18
TELANGANA	613	ODISHA	45	BIHAR	16
KARNATAKA	579	PONDICHERRY	42	GOA	16
UTTAR PRADESH	396	CHHATTISGARH	38	ARUNACHAL .PRADESH	11
WEST BENGAL	249	DELHI	26	SIKKIM	11
KERALA	199	ASSAM	24	HIMACHAL PRADESH	07
GUJARAT	194	TRIPURA	23	MEGHALAYA	01
PUNJAB	138	UTTARAKHAND	21	MADHYA PRADESH	120

E-SHODH SINDHU

Under this scheme AICTE is providing e-Journals to about 76 AICTE approved Technical institutions, to improve quality of research at PG & Ph.D. level.

TRAVEL GRANT SCHEME FOR STUDENTS

In order to encourage engineering students to engage in research by providing opportunity to them to interact at international conferences abroad, a financial assistance is provided to students for presenting their research paper in International conferences abroad. The limit of funding under the scheme is up to Rs. 1 Lakh per student.

TRAVEL GRANT SCHEME FOR FACULTY

To provide financial assistance to the faculty members for presenting their research paper in International conferences abroad up to Rs. 1.5 Lakhs. During the year 2018-19, twenty five faculties have benefitted from the scheme.

Presently, the proposals are evaluated on a fortnightly basis and it is ensured that the same is disbursed at the earliest.

YEAR	NO. OF INSTITUTIONS AVAILING E-RESOURCES				AMOUNT SPEND (IN LAKHS)	NO. OF INSTITUTES
	IEEE	PHARMA	ASCE	ASME		
2017	94	00	43	46	649	62
2018	120	03	55	60	872	74
2019	00	06	57	63	301.54 (INCLUDING RS. 298.37 LAKHS AS UNSPENT AMOUNT ALREADY AVAILABLE)	77

AICTE-UKIERI LEADERSHIP DEVELOPMENT PROGRAMME

AICTE signed an Implementation Agreement under UKIERI Phase III to train **600** aspiring leaders from AICTE approved Institutions/ Polytechnics till March **2020,** in Technical Education "Leadership Development Programme" LDP. **300** senior faculties are already trained under LDP program. Selected best participants from each batch will also get a chance for Study Tour to Dudley College, UK. **30** participants have already visited UK.

MODERNIZATION AND REMOVAL OF OBSOLESCENCE (MODROB)

The objective of the Scheme is to modernize and remove obsolescence in the Laboratories / Workshops / Computing facilities, so as to enhance the functional efficiency of Technical Institutions for Teaching, Training and Research purposes. The limit of Funding is **Rs. 20 Lakh** under this scheme. So far about **1200** labs have been developed this benefitting about one lakh students.

MODERNIZATION AND REMOVAL OF OBSOLESCENCE (MODROB) FOR RURAL AREAS (MODROB RURAL)

The objective of the Scheme is to modernize laboratories of technical Institutions operating in rural areas of the country, to enhance their functional efficiency in Teaching, Training and Research areas. The funding limit under this scheme is **Rs. 20 Lakh.**

HOSTEL FOR SC/ST STUDENTS

The objective of the Scheme is to provide financial assistance for construction of Hostels exclusively for SC/ST students. The limit of funding is **Rs. 3.00** Crore. **35** Hostels have been constructed till date and **68** new Hostels are under construction.

SNAPSHOT OF FEW COMPLETED HOSTELS

Madhav Institute of Technology
& Science, Gwalior, (Madhya Pradesh)

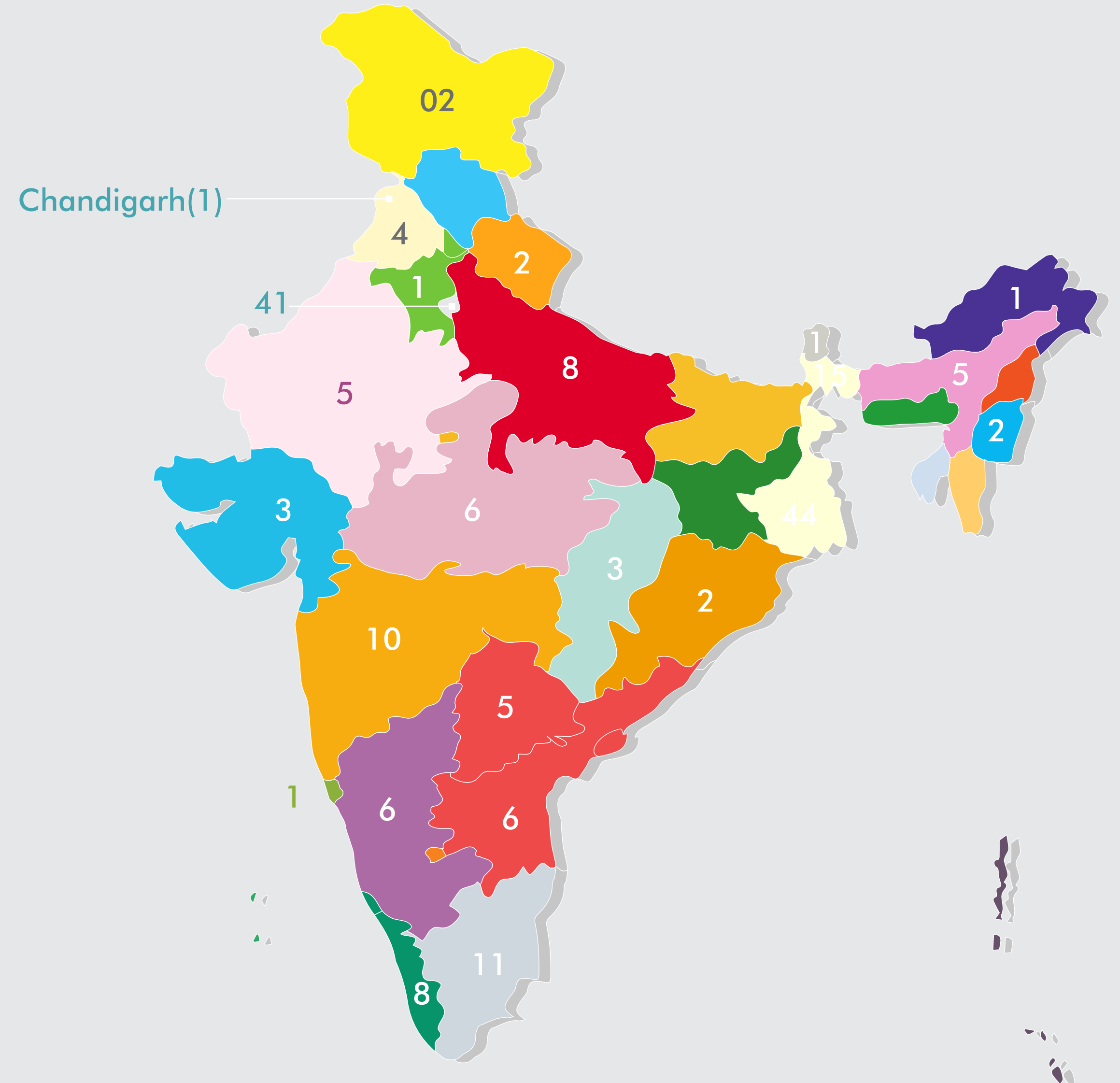Rajiv Gandhi Institute of
Technology, Kottayam (Kerala)

Assam Engineering
Institute, Guwahati (Assam)

Govt. College of Engineering,
Kannur, (Kerala)

LOCATION OF HOSTELS FUNDED BY AICTE THROUGHOUT INDIA

Chandigarh(1)

SHORT TERM TRAINING PROGRAM (STTP)

To enhance the teaching and other skills of faculty, administrative staff and Librarians, Short-term Training Program of **1-week** duration is conducted with a financial assistance of **Rs. 5 lakh.** The scheme also benefits faculties as it is considered to be at par of 1/2 FDP for the purposes of CAS.

AICTE-ISTE INDUCTION/ REFRESHER PROGRAMMES

To update knowledge and improve organizational and pedagogical skills of teachers for interaction and mutual exchange of ideas in similar areas of specialization, an MOU was initiated for a period of three years where in 300 programs of one week needs to be done across India in AICTE approved institutes (150 financed by AICTE & 150 self financed) one week programme is conducted. Limit of the funding is up to **Rs. 3 Lakh.**

NAME OF THE SCHEME	YEAR	NO. OF PROPOSAL RECEIVED	FUND SANCTIONED (IN LAKH)	FACULTY TRAINED
STTP	2017-18	3514	12	LAUNCHING YEAR
	2018-19	2800	508.17	6880

GRANT FOR ORGANIZING CONFERENCE (GOC) SCHEME

The Objective of the Scheme is to develop research culture amongststudents, faculty & institutes along with bring together academicians, researchers, students and research scholars to exchange / share their experiences / research. The limit of funding is **Rs. 5 Lakhs**. During the year **2018-19, 74** projects were sanctioned under the scheme.

SPECIAL SCHEME FOR NORTH EAST REGION (NER)

The objective of the Scheme is to enhance the functional efficiency of the technical institutes located in far-flung areas of North East India. This scheme provides logistic support to the technical institutes by extending financial assistance to solve water problem in general and providing alternative power support and internet connection. The limit of funding is:

a) Solving water problem: **Rs. 15 lakhs** per institute.
b) Procurement of solar energy plant or generator **Rs. 20 lakhs** per institute.
c) Facilitating proper internet connection: **Rs. 5.00 lakhs** per institute

NAME OF THE SCHEME	YEAR	NO OF PROPOSALS RECEIVED	FUND SANCTIONED (IN LAKH)	RECOMMENDED PROPOSALS
RPS – NDF	2018-19	80	910.47	44
RPS - NER	2018-19	130	795.59	46

VOCATIONAL COURSES

AICTE has introduced Entrepreneurship oriented Skill development courses of B.Voc/D.Voc/Skill Diploma. These courses will be run by AICTE approved institutes by using available infrastructure and facilities. In the AY **2019-20,** Council has offered **16** different Vocational Courses. Council has approved **473** institutes to run vocational Courses.

OPENING OF ITI IN SPARE CAPACITY IN AICTE APPROVED POLYTECHNIC

To optimum utilize the spare capacity of Polytechnics, Council is also permitting Polytechnics to utilise the spare capacity for opening **Industrial Training Institutes (ITI)** through offline application to MSDE.
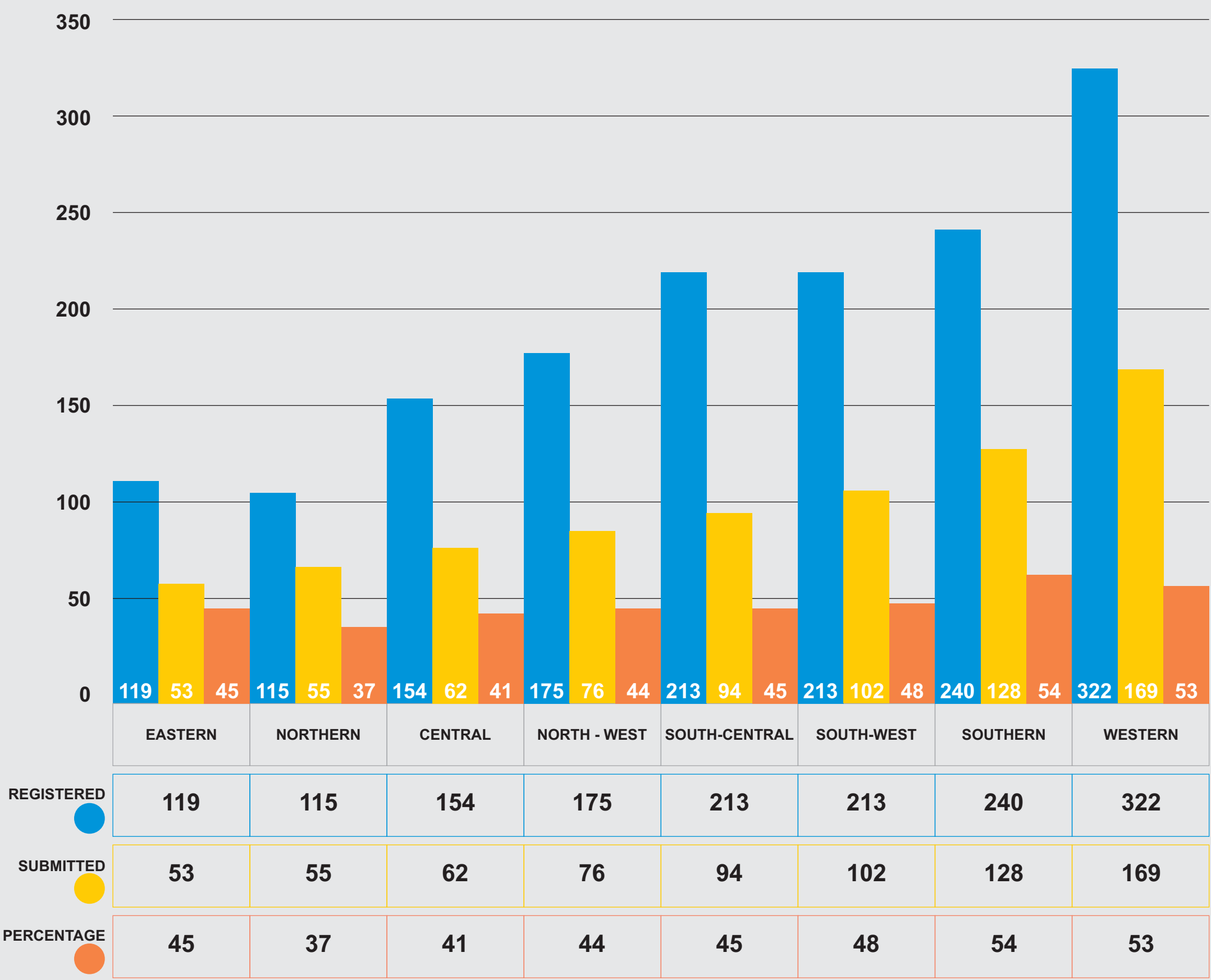
CLEAN & SMART CAMPUS AWARD

In order to recognize the effort of AICTE approved institutes for attaining the intended objectives of 'Swach Bharat', AICTE in association with TERRE Policy Centre, Pune and IIWM, Bangalore had introduced the Clean & Smart Campus Award.

AICTE-CII INDUSTRY LINKED SURVEY OF TECHNICAL INSTITUTIONS

AICTE in association with CII conducted survey of Industry-Academia Collaboration from the year 2012. This survey is to map the Industry Linkages of Indian Technical Institutes and highlight the strengths and weaknesses of the ecosystem of Technical Education in India. The survey leads to Awards for technical institutions on their industry linkage.

REGION WISE SUBMISSION

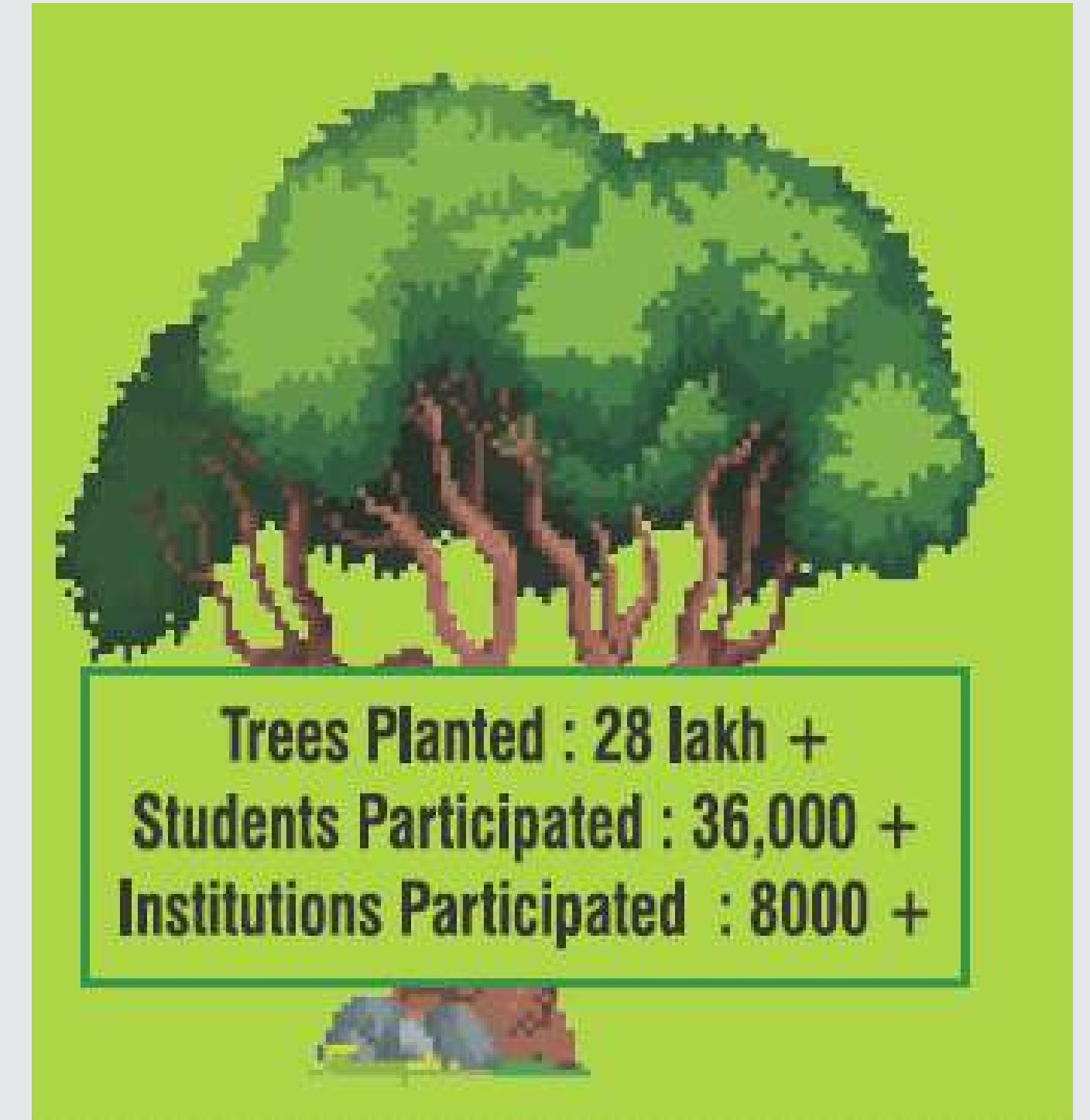|	EASTERN	NORTHERN	CENTRAL	NORTH - WEST	SOUTH-CENTRAL	SOUTH-WEST	SOUTHERN	WESTERN
REGISTERED	119	115	154	175	213	213	240	322
SUBMITTED	53	55	62	76	94	102	128	169
PERCENTAGE	45	37	41	44	45	48	54	53

JAL SHAKTI ABHIYAN

Jal Shakti Abhiyan is an initiative of the Government of India to conserve water. AICTE is supporting this initiative by connecting students of technical institutions in selected water deficient districts with respective District Collectors to conserve water by intervention of technologies.

ONE STUDENT ONE TREE

In order to accelerate afforestation, AICTE has motivated the students of its approved Institutions to participate in this initiative and plant at least one tree having suitable utility in the respective region.

Trees Planted : 28 lakh +
Students Participated : 36,000 +
Institutions Participated : 8000 +

45,000 students are working for Jal Shakti

WHEEBOX NATIONAL EMPLOYABILITY TEST (WNET)

Council has partnered with Wheebox, a Global talent assessment company and its consortium partners United Nations Development Program (UNDP), Confederation of Indian Industry (CII), Association of Indian Universities (AIU), People Strong and LinkedIn to build & publish the "India Skills Report". Wheebox conducts National Employability Test (WNET) for all pre-final and final year graduates of AICTE approved institutes. The outcome of the test will help the institutes to identify core strength and improvement areas of their students in the form of transcript and certification jointly certified by CII & AIU.
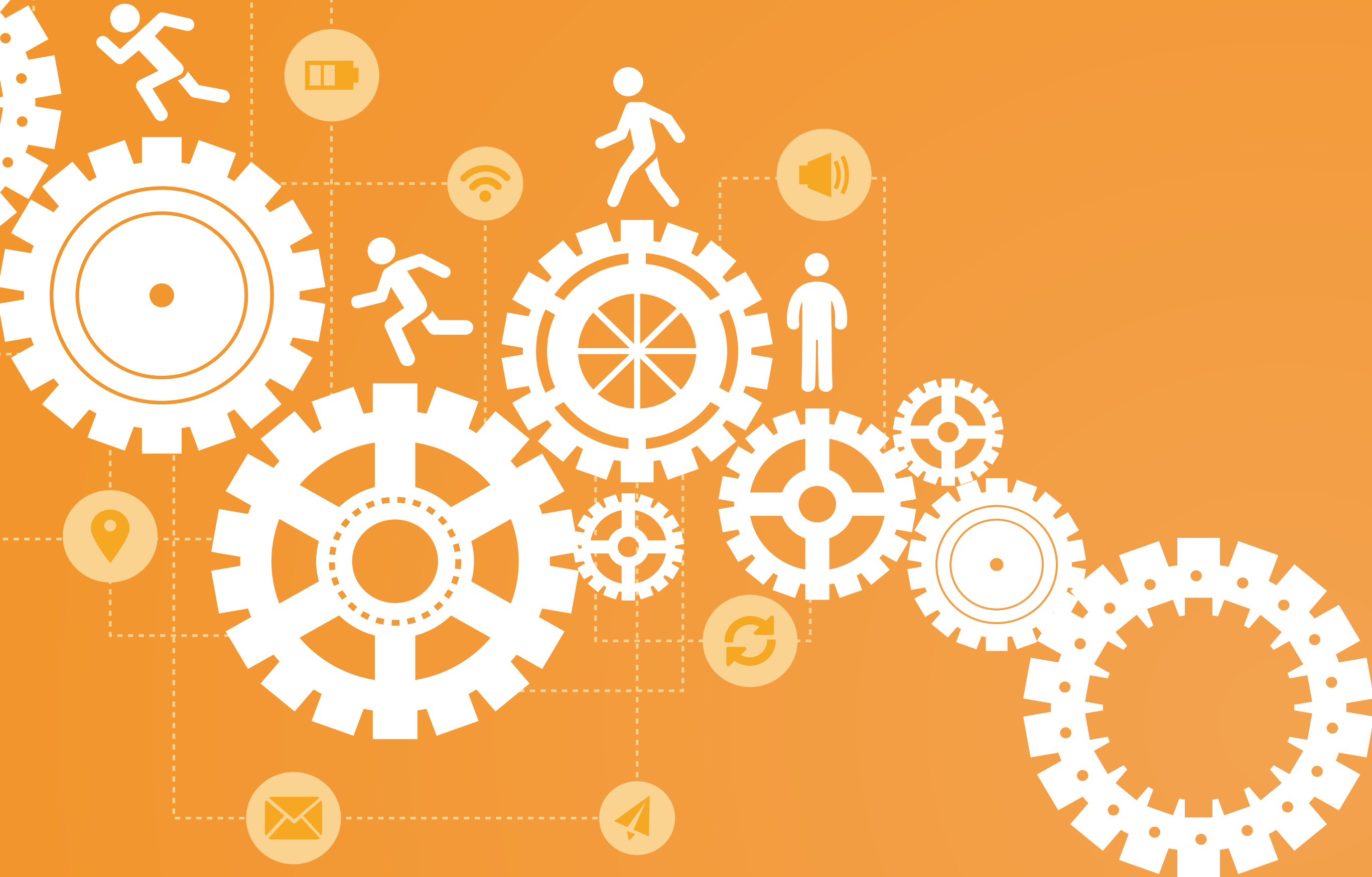
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