



**Puducherry Technological University**

Puducherry - 605014



ADMINISTRATIVE BUILDING

**STRATEGIC PLAN**

**enVision 2024 - 2030**





PTU

Outsider Not Allowed  
OUTSIDER  
NOT ALLOWED



# PTU enVision 2024-2030

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## STRATEGIC PLAN



## MESSAGE FROM THE VICE-CHANCELLOR

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**“PTU-en(எண்)Vision-2030” is a document that sets the direction of what PTU aspires to be in 2030. It entails the strategic roadmap of the university to inspire and empower PTU community to strive and drive amidst the present and future challenges and opportunities guided by our vision, mission and core values. The strategic plan sets nine priorities in achieving the four strategic targets and focus on harnessing the youth talents through innovations, creative and entrepreneurship, performance, deliver to attain the growth of the university, by capitalizing on current technologies and agile talents as we move forward in prospering lives of students of our university.**



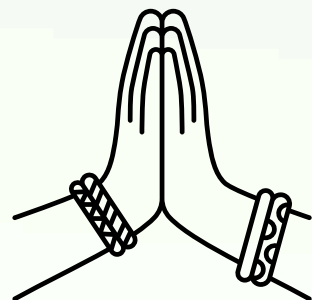
A handwritten signature in green ink, which appears to be 'S. Mohan'.

**Prof. Dr. S . Mohan  
Vice - Chancellor**





**“ We pay our respect to people of Puducherry, Hon’ble Chancellor of Puducherry Technological University and Government of Puducherry for providing us excellent students, outstanding teachers and human resources, infrastructure and grants. ”**











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# Executive Summary

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Puducherry Technological University (PTU) **Strategic Plan 2024-30** presents the framework guide to our journey in the next six years as we set our sights on becoming a premier university providing world-class education and research. This vision is built upon the dreams and aspirations of our students, faculty, and community to evolve into a university of global eminence through transformative learning and research in frontier areas of engineering and technology towards developing holistic technology leaders, innovators, and entrepreneurs.

PTU is the first state University of Union Territory of Puducherry. It seamlessly came into existence on 5th September 2020 upon the elevation of erstwhile Pondicherry Engineering College - PEC (established in the year 1985 under the 7th five-year plan) with the University status. PTU began its journey with a position of pre-eminence and rightly stands as one of the finest engineering schools offering Bachelors, Masters and Doctoral study programmes in the prominent disciplines of Engineering/Technology, Science, Management and Entrepreneurship.

PTU is being guided by our six core values represented by Integrity, Compassion, Commitment, Creativity, Collaboration and Inclusion. We have set for PTU four Strategic priorities with their corresponding nine interrelated strategic thrusts :

## **1. Educational Support**

- T1-Curriculum and Infrastructure Development
- T2-Human Resource Development
- T3- Career pathway

## **2. Research Enhancement**

- T4-Centres for Research & Centres of Excellence
- T5- Multidisciplinary research and Innovation

## **3 Promoting Innovation and Entrepreneurship**

- T6-Innovation and Entrepreneurship
- T7-Outside Collaboration

## **4. Sustainable Environment**

- T8-Sustainable Development
- T9-Preservation of Serene Environment

The above thrusts have corresponding resolutions and Action plan with measurable key performance indicators.



## Our Visionary Leaders -Chancellors

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**Her Excellency**  
**Lieutenant Governor of Puducherry**  
**Dr. Kiran Bedi**  
June 2020 – February 2021



**Her Excellency**  
**Lieutenant Governor of Puducherry**  
**Dr. Tamilisai Soundararajan**  
February 2021 - March 2024



**His Excellency**  
**Lieutenant Governor of Puducherry**  
**Shri. C. P. Radhakrishnan**  
March 2024 - July 2024



**His Excellency**  
**Lieutenant Governor of Puducherry**  
**Shri. Kuniyil Kailashnathan**  
August 2024 Onwards

## Our Visionary Leader Vice - Chancellor

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**Prof. Dr. S. Mohan**  
December 2021 Onwards



# Our Visionary Leaders - Former Principals

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**Dr. S. Rame Gowda**  
September 1984 to June 1989



**Dr. P. Purushothamaraj**  
July 1990 to May 1996



**Dr. T. G. Palanivelu**  
June 1996 to June 1997



**Dr. K. Ethirajulu**  
July 1997 to August 2004



**Dr. T. G. Palanivelu**  
September 2004 to August  
2008



**Dr. V. Prithviraj**  
August 2008 to January 2013



# Our Visionary Leaders - PRINCIPALS

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**Dr. D. Govindrajulu**  
February 2013 to March 2016



**Dr. T. Sundararajan**  
April 2016 to August 2016



**Dr. P. Dananjayan**  
August 2016 to May 2019



**Dr. S. Kothandaraman**  
July 2019 to March 2020



**Dr. K. Vivekanandan**  
April 2020 to December 2021



# Introduction





# 1. Introduction

**P**uducherry Technological University (PTU) is the first State University of Government of Puducherry came into existence from 05.09.2020 (G.O.Ms.No.20 Dt: 03.09.2020) by the Government of Puducherry under the Puducherry Technological University Act, 2019 (Act 4 of 2020). It seamlessly came into existence upon the upgradation of erstwhile Pondicherry Engineering College - PEC (established in the year 1985 under the 7th five-year plan) with the University Status. UGC through F.No.9-14/2020 (CPP-/PU) Dt: 02.05.2022 has included PTU in the list of Universities established as per Section 2(f) of UGC Act, 1956. PTU began its journey with a position of pre-eminence and rightly stands as one of the finest engineering schools offering Bachelors, Masters and Doctoral programmes in the prominent disciplines of Engineering/Technology, Science, Management and Entrepreneurship. Highly qualified faculty, diverse student population from across the country, best-of-breed infrastructure and an expansive campus sprawling over 185.8 acres of luscious green landscape on the shores of tantalizing Bay of Bengal present a vibrant ecosystem for the pursuit of intellectual excellence. Thirty-six years on since its original inception, PTU has built a legacy for itself and stands in good stead in terms of discernible academic parameters. NBA has accorded 6 years accreditation to B.Tech.(ECE) programme and 3 years accreditation to B.Tech.(CSE), B.Tech.(Civil Engineering), B.Tech.(Mechanical Engineering) and B.Tech.(EEE) programmes. NIRF, MHRD, Govt. of India has placed PTU in the ranking band of 151-200 under the category of engineering education. PTU alumni are spread far and wide across the globe holding eminent positions in top global Corporates, Universities and Civil Services. Some of them own successful enterprises in India and abroad. Such accomplishments stand testimony to the quality of education offered by PTU.

of Newspapers for India under No. 10410

PY/44/2018-20  
WPP No. TN/PMG(CCR)/ WPP-88/2018-20  
Dated : 24-6-2020  
Price : ₹ 22-00

**புதுச்சேரி மாநில அரசிதழ்**  
**La Gazette de l'État de Pondichéry**  
**The Gazette of Puducherry**

**PART - II**

சிறப்பு வெளியீடு	EXTRAORDINAIRE	EXTRAORDINARY
அதிகாரப் பெற்ற கூலியிடு	Publiée par Autorité	Published by Authority
விலை : ₹ 22-00	Prix : ₹ 22-00	Price : ₹ 22-00

நாள்	புதுச்சேரி	ஆங்கிலம்	2020	ஆகஸ்ட்	24
No. 27	Ponducherry	Mercredi	24	June	2020
No.	Puducherry	Wednesday	24th	June	2020

(3 Asndha 1942)

GOVERNMENT OF PUDUCHERRY  
LAW DEPARTMENT  
No. 292/Law/2019-LD.  
Puducherry, the 24th June 2020.

The following Act of the Legislative Assembly, Puducherry, received the assent of the President of India on the 31st day of March, 2020 and is hereby published for general information.

N. MERUGAVEL,  
Under Secretary to Government (LAW).

## Puducherry Technological University Act, 2019 (Act No.4 of 2020, Dt. 31st March 2020)

*"The University shall be a Teaching, Research and an Affiliating University in emerging areas of Higher education, Architecture and Advanced Sciences and shall promote innovation, inter-disciplinary Education and Research, so as to achieve excellence at National, International levels, in these areas and in connected fields"*



## 1.2 Our Vision

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To evolve into a university of global eminence through transformative learning and research in frontier areas of engineering and technology towards developing holistic technology leaders, innovators, and entrepreneurs.

## 1.3 Our Mission

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-  To create a conducive environment and challenging learning opportunities to shape, nurture and promote the innate scholastic capabilities of students and scholars through a socially relevant and outward-facing curriculum.
-  To establish the best-of-breed Centres of Research (CoRs) and create an ecosystem for innovation and independent thinking in multidisciplinary areas of science, engineering and technology.
-  To build synergistic partnerships with leading universities and technology corporates around shared agendas towards enabling a smooth transition for graduates from university to academia and industry
-  To promote entrepreneurial spirit, sustainable development outlook and build strong leadership capabilities

## 1.4 CORE VALUES





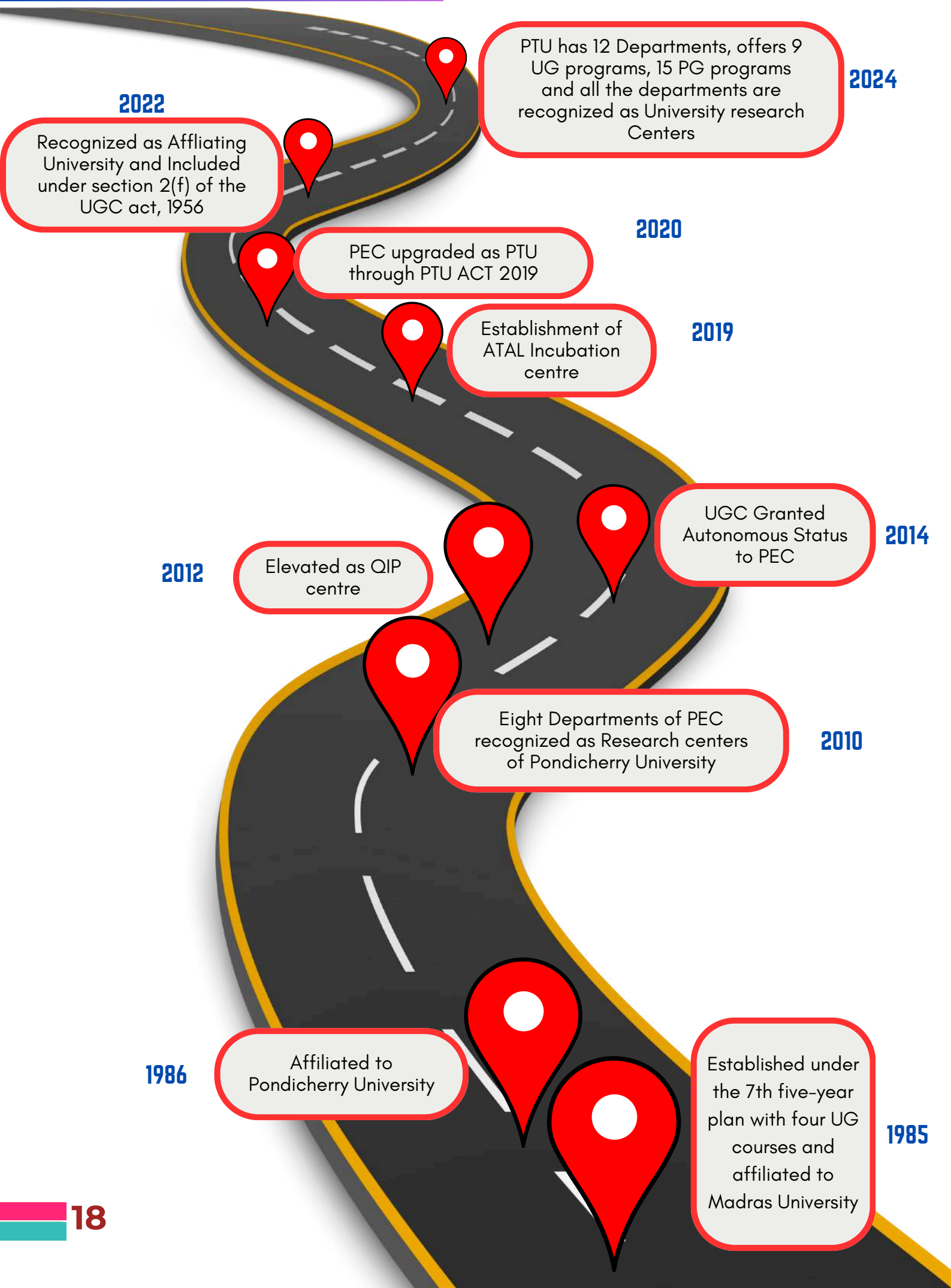
## 1.5 QUALITY POLICY

Puducherry Technological University is committed to provide high quality technological education on par with global standards and conduct research with industrial collaboration by focusing on the national and international needs through continuous quality improvement.

### 1.5.1 QUALITY OBJECTIVES

- To provide a sound academic and research environment to students and staff for lifelong learning experience.
- To keep the staff abreast of latest development in technology through continuous education.
- To carry out need based research activities towards creating sustainable environment and society.
- To monitor and upgrade the quality through periodical performance assessment and peer evaluation.

## 2. Milestones of PTU





### 3. Our Campuses

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PTU boasts a beautiful campus in puducherry and a constituent college at Karaikal.



**Puducherry  
Technological  
University**

**Perunthalaivar  
Kamarajar Institute of  
Engineering and  
Technology**



## 4. Points of Pride



**Our campus**



**3000+  
Students**



**Eminent Faculty**



**Research and  
Innovation**



**TEQIP - II and III**



**Atal Incubation Centre**



**Placement in  
Top Companies**



**Community Conscious  
Societies & Students**



**World Recognized  
Alumni**



1.	<b>Department of Chemical Engineering</b>
2.	<b>Department of Civil Engineering</b>
3.	<b>Department of Computer Science and Engineering</b>
4.	<b>Department of Electronics and Communication Engineering</b>
5.	<b>Department of Electrical and Electronics Engineering</b>
6.	<b>Department of Electronics and Instrumentation Engineering</b>
7.	<b>Department of Information Technology</b>
8.	<b>Department of Mechanical Engineering</b>
9.	<b>Department of Chemistry</b>
10.	<b>Department of Humanities and Social Sciences</b>
11.	<b>Department of Mathematics</b>
12.	<b>Department of Physics</b>





**Bachelor of  
Technology  
(B.Tech.)**

**Chemical Engineering**

**Civil Engineering**

**Computer Science and Engineering**

**Electronics and Communication Engineering**

**Electrical and Electronics Engineering**

**Electronics and Instrumentation Engineering**

**Information Technology**

**Mechanical Engineering**

**Mechatronics**

**Master of  
Technology  
(M.Tech.)**

**Chemical Engineering**

**Data Science**

**Electronics and Communication**

**Electrical Drives and Control**

**Energy and Technology**

**Environmental Engineering**

**Information Security**

**Instrumentation Engineering**

**Internet of Things**

**Structural Engineering**

**Wireless Communication**

**Master of Business  
Administration  
(MBA)**

**Innovation, Entrepreneurship and Venture Development**

**International Business**

**M.Sc.**

**Material Science (Technology)**

**MCA**

**Master of Computer Applications (MCA)**

**Ph.D.**

**Doctor of Philosophy (Ph.D)**

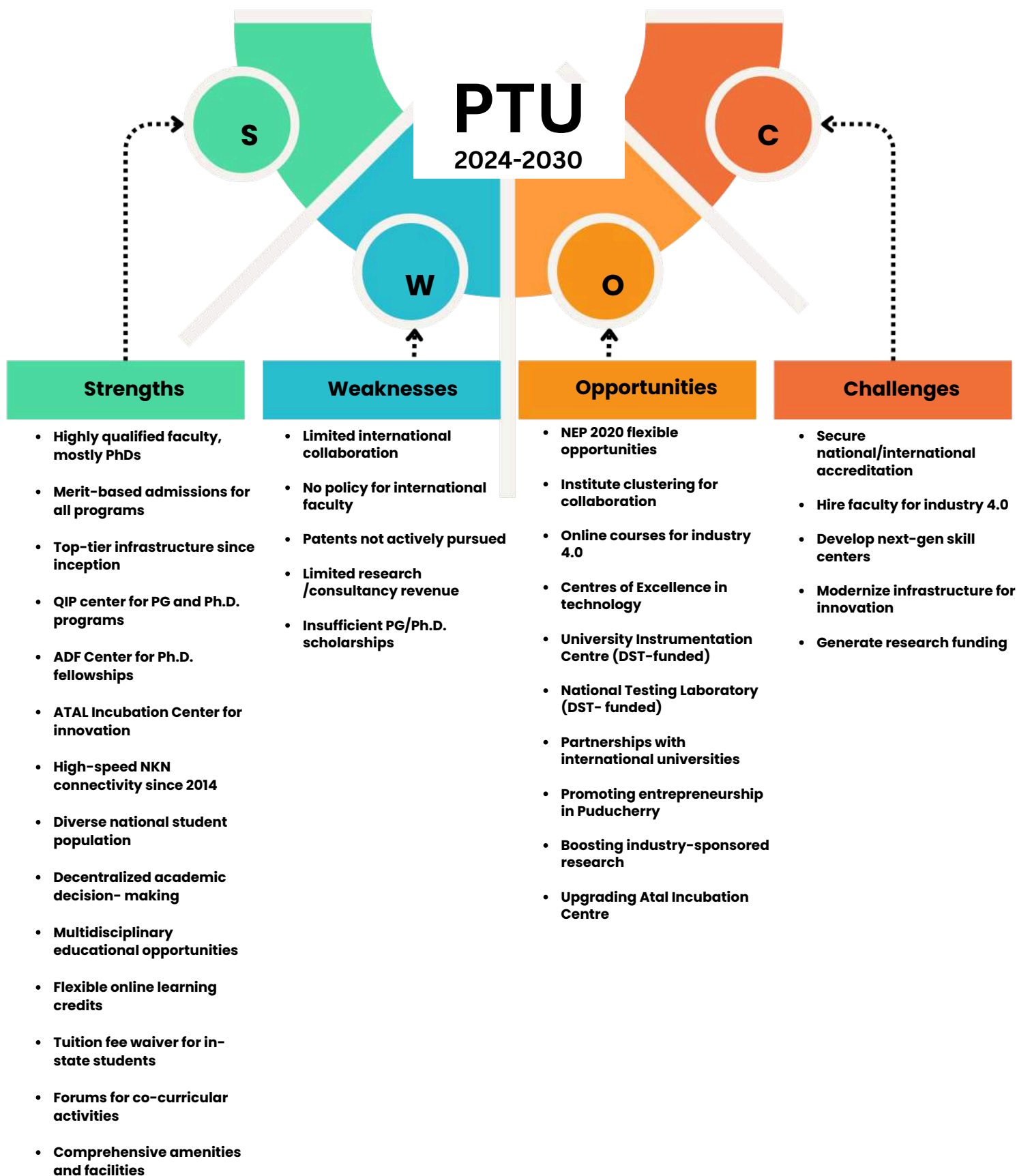






## 5. SWOC Analysis

### EXTERNAL AND INTERNAL FORCES OF CHANGE: PTU 2024-30







# Strategic Plan 2024-2030

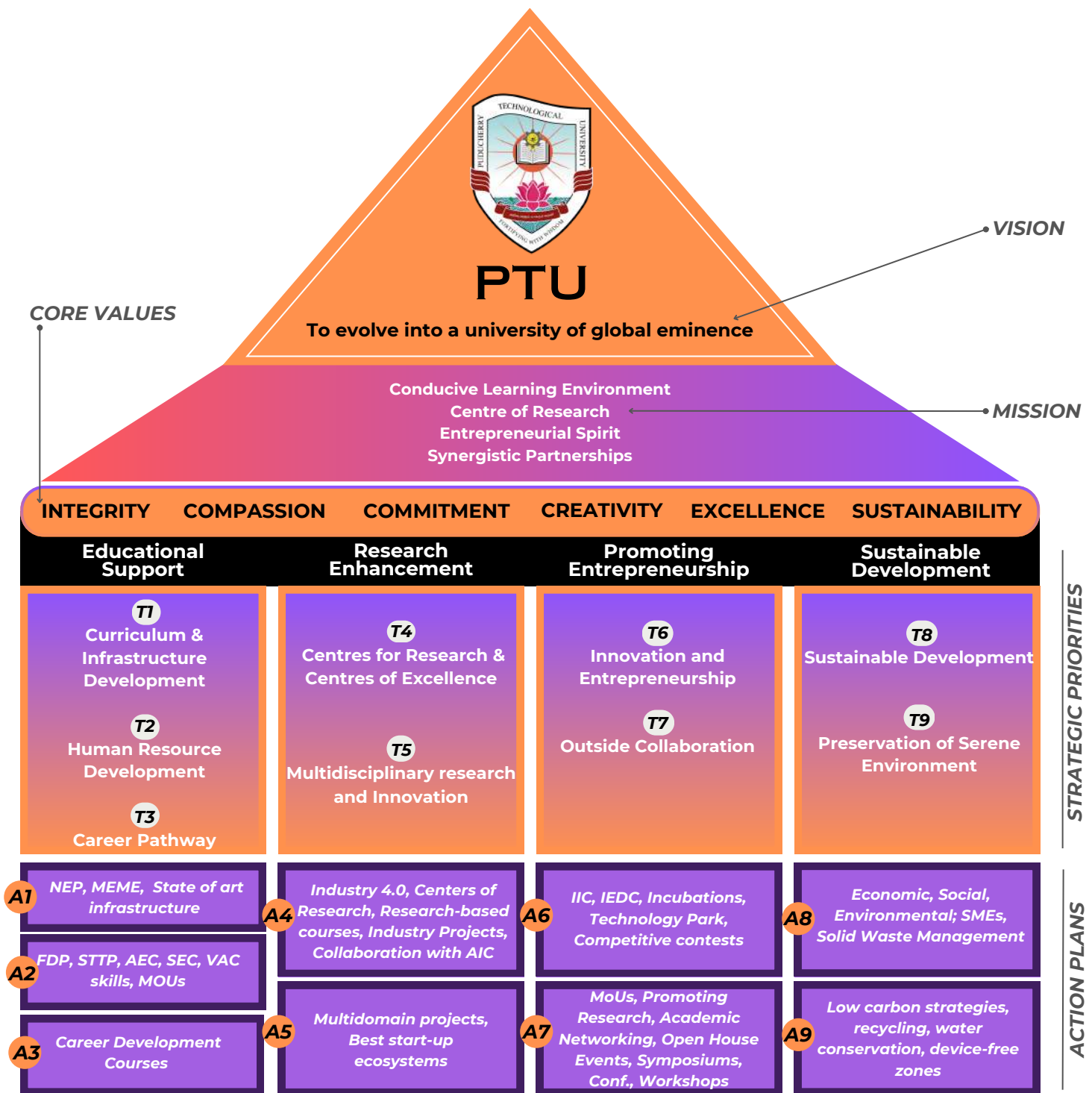




# 6. Strategic Framework

## Our Philosophy

PTU strives with total commitment to attain excellence in Science, Technology and Engineering for the well-being and prosperity of mankind.

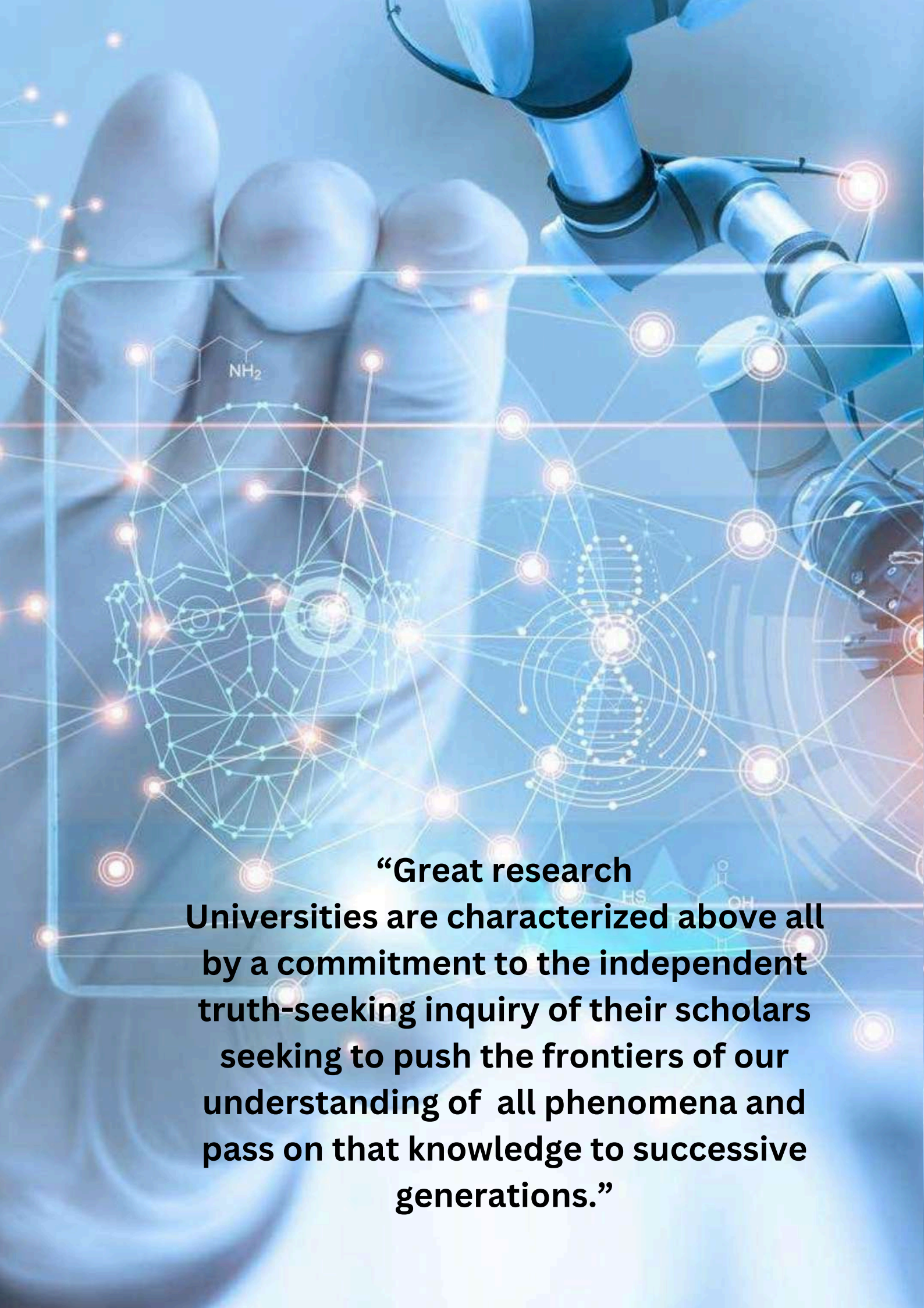




நாலைகம்







**“Great research  
Universities are characterized above all  
by a commitment to the independent  
truth-seeking inquiry of their scholars  
seeking to push the frontiers of our  
understanding of all phenomena and  
pass on that knowledge to successive  
generations.”**

**PTU 2024-2030**  
Prospering lives  
Action Plan





# ACTION PLAN

## Strategic Thrust 1

### Curriculum and Infrastructure Development

#### Resolution 1

To develop a holistic and multidisciplinary curriculum and develop/modernize the infrastructure in line with the evolving curriculum

- Formulating a holistic and multidisciplinary curriculum as envisaged under NEP 2020
- Creating provisions to earn credits from the other accredited national / international institutes of higher learning under credit transfer
- Establishing additionally 16 classrooms and seminar halls for expansive learning opportunities offered under NEP based curriculum
- Modernizing the digital library with more resources for nurturing the linguistic talents of the students within next two years
- Creating the infrastructure for developing online modules/courses
- Creating new hostel facilities for boys/girls to cope up with increasing student/scholar population within next two years.
- To construct a new guest house with modern amenities
- Improving University canteen facilities for student, staff and faculty within next two years

## Strategic Thrust 2

### Human Resource Development

#### Resolution 2

To train the existing faculty/staff and recruit the new faculty/staff with expertise for a multidisciplinary teaching paradigm

- Regular FDP/STTP/Refresher programmes for imparting new knowledge/skills in multidisciplinary domains identified at least one/faculty/year
- Sponsoring the faculty/staff to undertake online/blended learning for augmenting knowledge/skills in Ability Enhanced Courses, Skill Enhancement Courses and Value-Added Courses at least one/faculty/year
- Recruiting 50 new faculty within a year with at least one or two expertise in industry 4.0 technologies per department.
- Recruiting 50 new technical staff, trained in new age technologies within a year.
- Sharing the specialized laboratory/research facilities among the students/scholars /faculty of the cluster institutes through a MoU at least 2/year
- Enrolling adjunct/visiting faculty/Professor of Practice from the HEI/industry/research laboratories for offering open elective courses in niche areas at least one/department/year
- A minimum 20% of the courses to be jointly offered by Faculty and Industry expert/Alumni



# ACTION PLAN

## Strategic Thrust 3

### Career Pathway

#### Resolution 3

To enhance career growth through the Career Pathway Center, Training and Placement Cell, and the Cell for Higher Studies

- Integrating career preparation as part of regular learning. Based on aptitude, interest and aspiration, the students, as early as in the second year, are to be segregated into Placement group, Higher Study group and Entrepreneurship group and an oriented training to be imparted accordingly
- Organizing an intensive training programme for the placement opportunities, increasing the enrolment of new recruiters' year-after-year and improving the placement ratio annually
- Ensuring an increase in Peak and Median CTC by 10% every year
- Motivating and mentoring the prospective students for higher studies both in India and abroad and offering support in their preparation for the relevant competitive examinations
- Increasing the number of students enrolling for higher study opportunities both in India and abroad by 10% every year

# ACTION PLAN

## Strategic Thrust 4

### Centres for Research & Centres of Excellence

#### Resolution 4

To establish Centres for Research & Centres of Excellence in niche areas of Engineering/Technology

- Establishing Four Centres for Research & Centres of Excellence over the next five years in Industry 4.0, Electric Vehicle, Pharmaceutical Technology, and Embedded Systems
- Collaborating with the industries and supporting them for testing/consultancy services
- Offering expertise/infrastructure support to Institution's Innovation Cell (IIC), Innovation and Entrepreneurship Development Cell (IEDC) and Atal Incubation Centre (AIC) towards promoting innovation and incubation
- Productizing the research outcomes of the centre in collaboration with AIC at least one/year



## Strategic Thrust 5

### Multidisciplinary Research and Innovation

#### Resolution 5

To promote multidisciplinary research among the departments and build an ecosystem for innovation and incubation in partnership with AIC, IIC and IEDC

- Inculcating intellectual curiosity, scientific talents and teamwork skills for taking up projects entailing knowledge/expertise from multiple disciplines
- Undertaking high-end sponsored multi-domain projects from the Government/Research Organizations/Industry
- To be the one of the best start-up ecosystems for the students/scholars aspiring to become entrepreneurs
- To submit one Inter institute/Inter discipline project proposal per faculty per year

# ACTION PLAN

## Strategic Thrust 6

### Innovation and Entrepreneurship

#### Resolution 6

To inculcate the entrepreneurial spirit and develop leaders with societal outlook prioritizing diversity.

- Identifying the students with an aptitude for entrepreneurship and offering them the opportunities to explore, innovate and incubate their product/business ideas through the inhouse IIC and IEDC
- Increasing the incubations 10% per year through AIC
- Converting the incubations to companies and increasing the number of start-up companies at least one per year/Department
- Establishing a Technology Park inside PTU with an emphasis to address local needs
- Inculcating leadership talents through invited talks, seminars, workshops, orientation sessions and competitive contests
- Offering leadership roles in all student related activities of the University – hostel management, clubs, councils and associations



# ACTION PLAN

## Strategic Thrust 7

### Outside Collaboration

## Resolution 7

To build partnership with the Universities and Industries/Research organizations of National and International reputation through MoUs and strengthening Alumni network.

- Building partnerships with the Industries /Research organizations through MoUs
- Increasing the locally relevant and industry-sponsored research through MoUs by at least 10% every year
- Promoting research towards securing patents - at least one/department/year
- Improving the visibility nationally and globally through academic/research networking and building a positive public perception by organizing open house events, conferences, workshops, seminars and symposiums
- Operationalizing a full-time Alumni Centre at the University for networking with alumni from the industry and academia, arranging their visits for lectures /workshops /conferences/workshops/conferences/symposium/mentoring sessions and continually communicate with them on University's progress
- Establishing PTU Alumni chapters in major cities across India and Western Countries, and connect them with the faculty and students regularly via online for exchange of thoughts and ideas that would contribute to the academic/research progress at PTU
- Engaging Alumni/Industry experts to handle the classes especially on the practical application at least twenty percent of the course load.

# ACTION PLAN

## Strategic Thrust 8

### Sustainable Development

#### Resolution 8

To promote sustainable development outlook among the students and scholars through teaching/research/practice of the Sustainable Development Goals set out by the United Nations

- Imparting the knowledge, as part of the curriculum, about the three dimensions of sustainable development: Economic, Social and Environmental, for equitable and inclusive living/growth without compromising the needs of the future mankind
- Supporting the Small and Medium Enterprises (SMEs) around Puducherry by producing the human resource with relevant knowledge and skills towards improving the economic activities and employment generation
- Developing low-cost and safe housing solutions for urban/rural communities through sustained research with the Government support
- Developing productive and sustainable processes for solid waste management



# ACTION PLAN

## Strategic Thrust 9

### Preservation of Serene Environment

#### Resolution 9

To protect and preserve the serenity of our surroundings by adopting sustainable practices and promoting eco-friendly habits to create a thriving environment for all

- To work towards low carbon strategies for preserving the environment.
- To promote sustainable practices like recycling, energy-efficient lighting, and water conservation to minimize waste and preserve the natural beauty of the surroundings.
- To organize community events, workshops, and volunteer applications that promote a shared commitment to preserve the serenity of the environment.
- To designate device-free zones, reduce distractions, encourage digital detoxes, and promote mindfulness.
- Educating communities about the impact of climate change and the importance of sustainable practices.



**PUDUCHERRY TECHNOLOGICAL UNIVERSITY**  
EAST COAST ROAD, PILLAICHAVADI, PUDUCHERRY, 605014