



# **HIGHER EDUCATION DEPARTMENT**

## **POLICY NOTE 2023 - 2024**

### **DEMAND No. 20**

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**MINISTER FOR HIGHER EDUCATION**

©  
Government of Tamil Nadu  
2023

**HIGHER EDUCATION DEPARTMENT  
POLICY NOTE 2023-24**

**CONTENTS**

<b>Sl. No.</b>	<b>Headings</b>	<b>Pages</b>
<b>1</b>	<b>Introduction</b>	<b>1-5</b>
<b>2</b>	<b>Technical Education</b>	<b>7-42</b>
<b>3</b>	<b>Collegiate Education</b>	<b>43-76</b>
<b>4</b>	<b>Universities</b>	<b>77-151</b>
<b>5</b>	<b>Tamil Nadu Archives and Historical Research</b>	<b>152-154</b>
<b>6</b>	<b>Tamil Nadu State Council for Higher Education</b>	<b>155-160</b>
<b>7</b>	<b>State Project Directorate of Rashtriya Uchchar Shiksha Abhiyan (RUSA)</b>	<b>161-170</b>
<b>8</b>	<b>Science City</b>	<b>171-177</b>
<b>9</b>	<b>Tamil Nadu Science and Technology Centre</b>	<b>178-184</b>
<b>10</b>	<b>Tamil Nadu State Council for Science and Technology</b>	<b>185-194</b>
<b>11</b>	<b>Tamil Nadu State Urdu Academy</b>	<b>195</b>
<b>12</b>	<b>Tamil Nadu State Council for Technical Education</b>	<b>196</b>
<b>13</b>	<b>Tamil Nadu Unmanned Aerial Vehicles Corporation</b>	<b>197-199</b>



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**“எப்பொருள் யார்யார்வாய்க் கேட்பினும் அப்பொருள்  
மெய்ப்பொருள் காண்ப தறிவு”**

**“To discern the truth from whatever source  
it emanates is the true quality of wisdom”**

**(Thirukkural 423)**

## **1. INTRODUCTION**

The Government’s vision to transform the lives of people through higher education has resulted in major breakthroughs. Taking into consideration the social disparities which pose a challenge, the Government have adopted a grassroots approach for pursuance of Higher Education to all. Being result-oriented, the interventions being made are dynamic. The skill enhancement initiatives by the Higher Education Department will reap a significant demographic

dividend. The Government's scientific and rational approach, coupled with sensitivity to the human condition, makes the schemes designed for the budget year both unique and effective. Visionary zeal coupled with diligent planning has ensured that resources are allocated to translate vision to action: the implementation process is vetted to achieve specific outcomes within designated timeframes in order to make timely and meaningful intervention in the lives of the youth of Tamil Nadu.

Equity, access and excellence are three axioms or guiding principles by which the success of higher education is ascertained. The Government of Tamil Nadu has successfully straddled all three ideals in its effort to empower individuals through higher education. Higher education in Tamil Nadu is widespread, inclusive and of a high caliber. The curriculum has undergone revision as the Government have been

consistently working towards addressing the “skill gap”. Skill training which is relevant to the discipline and in keeping with the requirements of industry has been included in the curriculum. With a view to making every individual reach his/her full potential, a holistic education is being provided. The training and benchmarks also equip the youth of the State to compete in a global environment.

Meeting people on their ground is the unique approach of the State Government. Factoring into their approach and agenda, students who are socio-economically underprivileged and grappling with disadvantages that stem from being on the margins of society, the Government have endeavoured to reach the urban and rural poor with the benefits of higher education. These interventions are designed to raise the students to the level of empowered living.

Recognizing the role played by research and innovation with regard to the progress of the State and the well-being of the people, the Government have prioritized research through grants for the same. The Government seeks to create a climate of learning and self improvement. To this end, various programmes to enhance qualification and skill have been rolled out. Ensuring that no one is left out, all sections of society, especially women and socially disadvantaged sections are brought into the ambit of education and skill training. Having a skilled workforce and also fulfilling the aspirations of people to grow intellectually, the Government have accordingly made education available.

The Gross Enrolment Ratio (GER) of Tamil Nadu in Higher Education stands above the national average due to the goal-driven approach of the Government of Tamil Nadu.

Tamil Nadu has consistently performed well in National Institutional Ranking Framework (NIRF), having 18 institutions in the Overall category within the top 100 ranks and 36 institutions within the top 200 ranks, 22 Universities within the top 100 ranks and 33 Universities within the top 200 ranks, likewise 32 Arts and Science colleges are within top 100 ranks and 73 colleges within top 200 ranks. Besides 10 Research Institutions are within top 100 ranks and 35 Engineering Colleges are within top 100 ranks. Presidency College, Chennai emerged at third position in Arts and Science College Category.



**BUDGET ESTIMATE FOR THE YEAR  
2023-24**

Under Demand No.20 Higher Education,  
Total Outlay: **Rs.6,966.76 crore**

<b>Sl. No.</b>	<b>Head of Department</b>	<b>Amount Allotted (Rs. in crore)</b>
1.	Higher Education Department, Secretariat	8.39
2.	Directorate of Collegiate Education	3,883.18
3.	Directorate of Technical Education	2,173.74
4.	Universities	769.84
5.	Tamil Nadu Archives	21.50
6.	Tamil Nadu State Council for Science and Technology	0.76
7.	Tamil Nadu Science and Technology Centre	5.03
8.	Science City	1.73
9.	Tamil Nadu State Council for Higher Education	102.22
10.	Tamil Nadu State Council for Technical Education	0.37
	<b>Total</b>	<b>6,966.76</b>

## **2. TECHNICAL EDUCATION**

### **2.1. INTRODUCTION**

Technical Education plays a vital role in human resource development of the country by creating skilled manpower, enhancing industrial productivity and improving the quality of life. It is instrumental in bringing about economic growth of the developing countries by way of creating suitable manpower in tune with the needs of the industry and society.

Technical Education imparts degree and diploma courses, programmes in engineering & technology, management, architecture, town planning, pharmacy, applied arts & crafts, hotel management and catering technology.

Engineering education integrates scientific and engineering principles. It not only contributes to economic growth, but also contributes to medical care, national security systems and other

beneficial areas. The aim of Polytechnic education is to create a pool of skill based manpower and to serve as a middle level link between technicians and engineers. Polytechnic education has responded to the challenges of industrialization for self-reliance.

The Directorate of Technical Education was established on 14<sup>th</sup> October 1957. It monitors and coordinates the development of technical education besides formulation of new courses, development of curricula, undertaking initiatives to develop research oriented activities etc. The Directorate is also conducting Government Technical Examinations in Typewriting, Shorthand, Accountancy and Certificate course in Computer on Office Automation.

The State has a large number of technical institutions at Degree and Diploma level as indicated below:

<b>NUMBER OF TECHNICAL INSTITUTIONS IN TAMIL NADU (2022-23)</b>				
<b>Category</b>	<b>Degree level Colleges</b>	<b>Diploma level Colleges</b>		<b>Total</b>
	<b>Engineering and Architecture Colleges</b>	<b>Polytechnic Colleges</b>	<b>Hotel Management &amp; Catering Institutions</b>	
Government Colleges	11	54	-	65
Government Aided Colleges	3	34	-	37
Self Financing Colleges	476	403	1	880
Affiliated Type Colleges	-	4	-	4
Anna University Colleges	20	-	-	20
<b>TOTAL</b>	<b>510</b>	<b>496</b>		<b>1,006</b>

## **2.2. TECHNICAL INSTITUTIONS AND COURSES**

### **2.2.1. GOVERNMENT TECHNICAL INSTITUTIONS**

11 Government Engineering Colleges and 54 Government Polytechnic Colleges are functioning in Tamil Nadu under the control of Directorate of Technical Education. At present, 44,202 diploma students are studying in 54 Government Polytechnic Colleges, 15,721 Undergraduate students are studying in 11 Government Engineering Colleges and 438 Postgraduate students are studying in 7 Government Engineering Colleges.

### **2.2.2. TECHNICAL COURSES**

30 Diploma Courses in 54 Government Polytechnic Colleges, 12 Undergraduate Engineering Courses in 11 Government Engineering Colleges and 17 Postgraduate Engineering Courses in 7 Government Engineering

Colleges are conducted. The above courses offered are helping the students to strengthen their fundamental knowledge in Engineering and at the same time catering to the needs of the present industrial requirement, thereby enabling the students to become employable.

## **2.3. WELFARE SCHEMES AND INITIATIVES**

### **2.3.1. 7.5% SEATS ON PREFERENTIAL BASIS TO GOVERNMENT SCHOOL STUDENTS**

The Tamil Nadu Admission to undergraduate professional courses on preferential basis to students of Government Schools Act, 2021 was enacted in order to take affirmative action to bring about equality between students studying in Government schools and private schools. As per the Act, 7.5% internal allocation is made in Government quota seats. The Hon'ble Chief Minister of Tamil Nadu had announced that entire fees such as Tuition Fee, Hostel Fee and Transportation Fee etc. will be borne by the

Government for these students. In this regard, the Government have sanctioned a sum of Rs.151.73 crore for the expenditure towards the above fees for the Government school students admitted in Engineering Colleges under 7.5% internal allocation.

7,876 Government School Students have been admitted in Engineering Colleges under this scheme during the academic year 2021-22 and 8,771 Government School Students have been admitted during the academic year 2022-23, out of which, 161 Government school students have secured admission in Anna University department colleges of CEG, MIT, AC Tech and SAP.

### **2.3.2. FINANCIAL ASSISTANCE TO GOVERNMENT SCHOOL STUDENTS JOINING PREMIER INSTITUTIONS**

In the Budget 2022-23, provision has been made through an Announcement to motivate Government school students to aspire to join

premier Higher Education Institutions like Indian Institute of Technology, Indian Institute of Science and All India Institute of Medical Sciences. The State Government will bear the full cost of their undergraduate education. The entire fees for all the four years have been sanctioned to the students by the Government. One student in the year 2021-22 and one student in the year 2022-23 have been admitted in IIT, Madras.

### **2.3.3. FIRST GENERATION GRADUATE TUITION FEE CONCESSION**

To enable the students from all sections of society to take up professional courses, the Government have taken several initiatives and one such initiative is tuition fee concession to "First Generation Graduate" students admitted in Engineering Colleges in the State through Single Window Counselling. This scheme has been implemented from the year 2010-11.



During the academic year 2021-22, Rs.353.34 crore has been given to 1,46,559 students and Rs.356.11 crore has been given to 1,45,695 students towards first generation graduate tuition fee concession for the year 2022-23.

#### **2.3.4. FACILITIES EXTENDED TO SRI LANKAN TAMIL REPATRIATES**

The Sri Lankan Tamil repatriates staying in Tamil Nadu are also permitted to participate in the counselling for admission to the Undergraduate programmes of B.E. / B.Tech. and Postgraduate programmes of M.B.A. / M.C.A. / M.E. / M.Tech. / M.Arch. / M.Plan., in addition to students belonging to Tamil Nadu from the academic year 2010 by Muthamizh Arignar Kalaignar's Government.

Also for the eligible Sri Lankan Tamil repatriates, concession in tuition fee has been extended as applicable to the First Generation

Graduate students selected for professional courses through Single Window Counselling in Tamil Nadu. 19 students during the academic year 2021-22 and 40 students have been admitted during the academic year 2022-23.

### **2.3.5. FINANCIAL ASSISTANCE FROM CHIEF MINISTER'S PUBLIC RELIEF FUND**

In order to encourage and motivate meritorious students hailing from economically weaker sections to pursue their Engineering courses (B.E./B.Tech), the Government provides financial assistance from the Chief Minister's Public Relief Fund. 32 students have been benefitted during the academic year 2021-22. The financial assistance of Rs.50,000/- each will be given to 102 students during the academic year 2022-23.

Except the students who have availed scholarship under 7.5 % seats internal allocation for Government School students and Post Matric

Scholarship, others satisfying the criteria for this scheme are eligible to apply for this financial assistance from the year 2023-24.

### **2.3.6. POSTGRADUATE ASSISTANTSHIP**

To encourage the PG students to concentrate on their studies and to motivate them to engage in research activities, the Government have sanctioned a stipend of Rs.6,000/- per month to the 600 Postgraduate students studying in Government Engineering Colleges from the academic year 2017-18. They have been selected based on their score in Tamil Nadu Common Entrance Test (TANCET). As per the announcement made by the Hon'ble Minister for Higher Education during the budget session 2021-22, the number of beneficiaries under this scheme is enhanced from 600 to 1,200 and the Government have sanctioned Rs.8.64 crore as recurring expenditure to students studying in Government Engineering Colleges, Government

Aided Engineering Colleges, University Departments of Anna University, Anna University Constituent Colleges, Annamalai University, National Institute of Technical Teachers Training and Research (NITTTR), Central Institute of Petrochemicals Engineering and Technology (CIPET) and self supporting courses in the above institutions. For the year 2021-22, a sum of Rs.4.80 crore have been disbursed to 666 PG Students and Rs.6.63 crore has been disbursed to 921 PG students during the academic year 2022-23.

### **2.3.7. INTERNSHIP TRAINING**

In order to give opportunity to the students to apply theoretical knowledge which they acquired in the class rooms and also know about a specific industry, the Government have sanctioned Rs.16.60 crore as recurring expenditure for giving Internship Training for 25 days to enhance technical skill of

10,000 students (2,500 students from Government Engineering Colleges and 7,500 students from Government Polytechnic Colleges). The financial support amounts to Rs.16,600/- per student. There is also a possibility for the student to get employment offer in the company sponsoring the internship after successful internship training.

### **2.3.8. TEACHING FOREIGN LANGUAGES**

To help the students interested in getting better employment, foreign languages such as French, German and Japanese are being taught to the final year students studying in 10 Government Engineering Colleges. 600 final year students of 10 Government Engineering Colleges have been benefitted during the academic year 2022-23.

### **2.3.9. INTENSIVE COACHING FOR COMPETITIVE EXAMINATIONS**

Intensive coaching for competitive examinations such as CAT/GMAT/GRE and

IELTS/TOEFL has been provided to 500 final year students of 10 Government Engineering Colleges during the academic year 2022-23. This not only helps the engineering students to prepare and successfully clear the competitive examinations, but also enhances their competency for better employment opportunities at the national and international level.

#### **2.3.10. POST MATRIC SCHOLARSHIP SCHEME**

Post Matric Scholarship Scheme jointly implemented by the Central and State Governments for the students belonging to SC, ST and SC converted into Christianity was introduced in the year 2011-12 with an objective to uplift the students by providing them access to free higher education at all levels. All compulsory and non-refundable fees fixed by the Fee Fixation Committee are paid for the students admitted under the Government / Management Quota in Self Financing Institutions (including minority

institutions). Directorate of Technical Education has been coordinating with Adi Dravidar and Tribal Welfare Department for successful implementation of this scheme from the year 2013-14. During the academic year 2021-22, Rs.401.18 crore has been disbursed to 79,799 Engineering students and Rs.167.55 crore have been disbursed to 49,876 Diploma students.

### **2.3.11. WAIVER OF TUITION FEES FOR DIPLOMA STUDENTS**

Students who take up diploma courses in Government Polytechnic Colleges are primarily from humble background. They mainly pursue technical training to find employment in industrial sectors and aim to earn a decent livelihood and support their families. Hence, from the year 2008-09, the diploma students studying in Government Polytechnic Colleges have been exempted from paying the tuition fees. 42,479 diploma students during the academic year 2021-22 and

43,123 diploma students during the academic year 2022-23 have been benefitted from this scheme.

### **2.3.12. ISSUE OF FREE TEXT BOOKS**

From the academic year 2007-08 onwards, free text books are being distributed to all the first year diploma students getting admission in Government Polytechnic Colleges. Books for all the four major subjects in the first year diploma programme namely English, Engineering Mathematics, Engineering Physics and Engineering Chemistry are being distributed to help the polytechnic students. During the academic year 2021-22, a sum of Rs.37.97 lakh has been spent and 11,839 students have been benefitted and Rs.42.31 lakh has been spent and 12,445 students have been benefitted during the academic year 2022-23.



### **2.3.13. ISSUE OF FREE BUS PASS**

To aid the students studying in Government Polytechnic Colleges reach their institution with ease from their homes, free bus passes are given by the Government from the academic year 2007-08. 41,978 students during the academic year 2021-22 and 40,180 students during the academic year 2022-23 have been benefitted.

### **2.3.14. INTRODUCTION OF TAMIL MEDIUM IN DIPLOMA COURSES**

Diploma in Civil Engineering and Diploma in Mechanical Engineering in Tamil Medium have been introduced in five Government Polytechnic Colleges at Coimbatore, Madurai, Tiruchirappalli, Nagercoil and Central Polytechnic College, Chennai and the courses commenced in the year 2022-23. This enables the students to clearly understand the concepts and applications. Also its helps the students to avail the benefits of

reservation under Persons Studying in Tamil Medium category.

### **2.3.15. INTRODUCTION OF WOMEN-FRIENDLY DIPLOMA COURSES**

In order to increase the Gross Enrollment Ratio as well as the women enrollment in diploma level courses and also to motivate them for higher studies, six women-friendly Diploma courses have been introduced in the year 2022-23. They are Mechanical Engineering (CAD) in Central Polytechnic College at Chennai, Office Management and Computer Application in State Institute of Commerce Education at Chennai, ECG Technology in Government Polytechnic College at Coimbatore, Web Technologies in Tamil Nadu Polytechnic College at Madurai, Bio-Medical Electronics in Government Polytechnic College at Nagercoil and Interior Decoration in Dr. Dharmambal Government Polytechnic College for Women at Chennai.

### **2.3.16. INTRODUCTION OF NEW DIPLOMA COURSES**

In order to meet the local needs of the industries and to increase the Gross Enrollment Ratio, 5 new courses such as Diploma in Garment Technology in Government Polytechnic College at Karur, Diploma in Agricultural Engineering in Government Polytechnic College at Ariyalur, Diploma in Mechatronics in Government Polytechnic College at Uthangarai, Diploma in Logistics Technology at Government Polytechnic College at Thoothukudi, Tamil Nadu Polytechnic College at Madurai & Government Polytechnic College at Puthur and Diploma in Automobile Engineering (Sandwich) at Thanthai Periyar EVR Government Polytechnic College at Vellore & Central Polytechnic College at Chennai have been introduced from the academic year 2022-23.

### **2.3.17. REVAMPING OF POLYTECHNIC CURRICULUM BASED ON INDUSTRIAL REQUIREMENT**

The Government of Tamil Nadu has the largest technical talent in the industry for several decades. Polytechnic Colleges contribute significantly to the State's talent pool by producing skilled technicians to support mass industrialization.

The economy of Tamil Nadu is focusing on deep-tech and knowledge-based industries, rather than low-cost labour-intensive talent. With the advancement in technology, there is a change in the industry requirements. The need is for skills-based talents that bridge the industry-academia gap. To nurture the next generation of highly competent individuals who can harness the power of technology, innovation and enterprise to lead change, and deliver social and economic impact, it is important to rethink

the existing curriculum and reform the syllabi of Polytechnic Colleges.

In this regard, inputs from various industries and Tamil Nadu GUIDANCE bureau have been taken into account to redesign and reform the Polytechnic Curriculum in the State of Tamil Nadu. The reformation shall focus on improving the employability and entrepreneurship outcomes. The new curriculum will be implemented from the academic year 2023-24.

### **2.3.18. ESTABLISHMENT OF ENTREPRENEURSHIP DEVELOPMENT HUBS**

The Directorate of Technical Education has established Entrepreneurship Development and Innovation Programmes in Polytechnic Colleges in collaboration with Entrepreneurship Development Innovative Institute (EDII), Chennai. 5 ED Hubs have been established in 5 Polytechnic Colleges. 26 programmes were conducted and 717 Faculty members and 3,831 students have participated.

Entrepreneurship and Innovation Awareness Programmes are being conducted in the respective colleges in coordination with EDII.

### **2.3.19. INDUSTRY NEED BASED ADD ON COURSES**

The Government recognizes the need for enhancing the skills of the students in order to match the requirements of industry as well as create better job opportunities. Industry-relevant, need-based add on courses are being conducted for the final year students at a cost of Rs.3.00 crore for Government Polytechnic Colleges from the year 2021-22 in collaboration with Tamil Nadu Skill Development Corporation. 3,000 students have been trained and the short term Skill Training Certificates have been issued to the cleared students. The course details are as follows:

<b>S. No</b>	<b>Add on Courses</b>	<b>No. of Students benefitted</b>
1.	Mechanical Engineering CNC Operator Machining Technician Level 3 – 320 Hours	1,200
2.	Electrical and Electronics Engineering Electrical Assembly Operator – Control Panel - 200 Hours	900
3.	Electronics and Communication Engineering PLC Assembly Operator - 200 Hours	900

### **2.3.20. LATERAL ENTRY TO B.COM COURSES**

In order to enhance the Gross Enrollment Ratio as well as the Gender Enrollment in diploma level courses and also to motivate the diploma qualified students to get enrolled for their higher studies, the Government have issued orders for facilitating the students qualified with the Diploma in Commercial Practice to get admission into lateral entry of all branches of UG Commerce Programme including Corporate Secretaryship

offered by all State Universities in Tamil Nadu from the academic year 2022-23. Totally, 64 students have been admitted in B.Com lateral entry in Government, Government-Aided and Self-financing Arts & Science Colleges during the academic year 2022-23.

### **2.3.21. SOFTWARE TRAINING TO DIPLOMA STUDENTS**

As per the Announcement made by the Hon'ble Minister for Higher Education during the year 2021-22, a Memorandum of Agreement was signed between DOTE and Spoken Tutorial Project – IIT Bombay for one year from October 2021 to September 2022 for giving Software Training to the students of 51 Government Polytechnic Colleges in order to improve the technical skills and thereby enhancing their job opportunities. 21,343 students have enrolled and completed the Software Training in subjects like Python 3.4.3, Arduino, Q CAD, Scilab, Libre office suite etc.



### **2.3.22. CHIEF MINISTER'S RESEARCH GRANT SCHEME**

As per the announcement made by the Hon'ble Chief Minister on 30.08.2022, in order to conduct World-Class Research in our State and to motivate faculty, research scholars and Undergraduate and Postgraduate students to do research on current challenges, "Chief Minister's Research Grant Scheme" has been introduced from the academic year 2023-24. The Government have sanctioned a sum of Rs.50.00 crore as recurring grant towards the allocation of funds for all Government Higher Education Institutions and Universities in Tamil Nadu.

This Research grant encourages innovation and supports programmes which support researchers, innovators and start-ups which bring innovative technologies, products and business models from labs to the community to achieve

better quality of life and livelihood for the beneficiaries and help to create sustainable and scalable social impact. The Grant also aims at inculcating a scientific approach among communities through the experience of employing and evaluating new technology, products and develop strong curiosity, capability and attitude to try new products and processes to improve society. Research proposals are invited from all the Government Higher Education Institutions and State Universities (Arts, Science and Engineering etc.) in Tamil Nadu. So far, a total of 1,960 Research proposals have been received.

### **2.3.23. ESTABLISHMENT OF WORLD SKILL ACADEMY AND SMART MANUFACTURING TECHNOLOGY CENTRES**

In order to provide skills and develop the students as per the standards of World skills training in Electrical Installation, industrial Controls, industrial Automation, Building

Automation as well as World Skill Academies and Smart Manufacturing Centres are being established in 6 Government Polytechnic Colleges at Chennai, Coimbatore, Dharmapuri, Mayiladuthurai, Tiruchirappalli and Thoothukudi in collaboration with Schneider Electric India Ltd and the financial assistance of Tamil Nadu Skill Development Corporation, Chennai at a cost of Rs.10.00 crore.

## **2.4. INFRASTRUCTURE FACILITIES**

### **2.4.1. CONSTRUCTION OF ADDITIONAL HOSTEL BUILDINGS**

As per the announcement made by the Hon'ble Minister for Higher Education, the Government has sanctioned Rs.34.10 crore for the Construction of additional Hostel Buildings in 4 Government Engineering Colleges at Coimbatore, Salem, Karaikudi and Vellore.

The work is in final stages of completion in Alagappa Chettiar Government College of

Engineering and Technology, Karaikudi and Thanthai Periyar Government Institute of Technology, Vellore. The work for construction of hostel buildings is in progress in Government College of Technology, Coimbatore and Government College of Engineering, Salem.

#### **2.4.2. ENHANCEMENT OF SPORTS FACILITIES**

In order to unite, strengthen and make the student community disciplined and also to motivate the students in extracurricular activities, to enable them to participate in State and National level sports meet and to improve their achievements, the sports facilities are being enhanced by constructing indoor stadium in 10 Government Engineering Colleges in Tamil Nadu at a cost of Rs.80.00 crore. The work for construction of Indoor Stadium in 10 Government Engineering Colleges is in progress.

### **2.4.3. INFRASTRUCTURE FACILITIES UNDER PERUNTHALAIVAR KAMARAJAR COLLEGE DEVELOPMENT SCHEME**

**2.4.3.1.** Infrastructure Facilities like additional Classrooms, Laboratory, Workshops, Toilet Facilities, Dining Hall facilities etc are being provided in 26 Government Polytechnic Colleges at a cost of Rs.100 crore to improve the facilities and to improve the Gross Enrollment Ratio under Perunthalaivar Kamarajar College Development Scheme.

**2.4.3.2.** The Government of Tamil Nadu have sanctioned a sum of Rs.50.00 crore for the purchase of modernized machinery and equipment, as per the skill based updated curriculum, creation of laboratories such as Environmental Laboratory, Internet of Things (IoT) Laboratory, Computer Laboratory and other laboratories in Government Engineering and Government Polytechnic Colleges under this scheme.

#### **2.4.4. ESTABLISHMENT OF FAB LAB / MAKERS SPACE**

In order to provide a forum to the students and faculty members to apply personalized learning strategies and inherent skills, and for promoting creative ideas with practical knowledge, Fab Lab / Makers Space in four Government Engineering Colleges at Karaikudi, Srirangam, Tirunelveli, Salem and one at Tamil Nadu Polytechnic College, Madurai are being established with industry partners.

Faculty Development Programmes on “Innovation Mentor” were held in Government Colleges of Engineering at Salem, Tirunelveli and Srirangam. In this training programme 111 faculties benefitted. Further the Ideation Sprint training was given to approximately 1,200 students. Among them, 184 students had submitted their proof of concept through 45 trained Innovation Mentors.

#### **2.4.5. SMART CLASSROOMS IN 50 GOVERNMENT POLYTECHNIC COLLEGES**

Well equipped infrastructure with advanced classrooms are supplementary requirements for imparting quality education and in this context Smart Classrooms are being established in 50 Government Polytechnic Colleges with a sum of Rs.10.00 crore. This will help in incorporating knowledge gained from text and theoretical content into real life applications and learning. Software and simulation contents like cyber security training, gas cutting process training, fork lift training, lean manufacturing, construction safety, gearbox, power generator etc. are also being provided through these smart classes.

#### **2.5. E-GOVERNANCE**

##### **2.5.1. TAMIL NADU ENGINEERING ADMISSION 2022 (TNEA-2022)**

Tamil Nadu Engineering Admission is being conducted by the Directorate of Technical

Education from the academic year 2019-20. Due to COVID-19, all the activities related to admission such as registration of applications, uploading of certificates, certificate verification, assigning random numbers to the registered students, release of rank list, counseling for special category, general counseling, vocational counseling, supplementary counseling, SCA to SC counselling, publication of provisional allotment were conducted through ONLINE mode from the academic year 2020-21. Along similar lines, TNEA 2022-23 was also done completely online. 93,290 students were admitted under Government quota in the academic year 2022-23.

Also, first year admission to B. Arch, Lateral entry and Part time admission to B.E./B.Tech, First year admission to MBA/MCA courses, First year / Lateral entry / Part Time admission to Government Polytechnic Colleges were conducted



through ONLINE mode for the academic year 2022-23.

In order to reduce the number of non-admitted students in engineering colleges after getting the allotment order, the system of ensuring admission of students was introduced from the academic year 2022-23. Quota aspirants confirmed their admission by paying the tuition fees in the colleges and those with current quota but upward aspirants paid the fees at the Engineering Admission Centres. The reserved seats of those students who did not pay the tuition fees were given to the students waiting as upward aspirants. Due to the above system, 93,290 students were admitted in Engineering Colleges during the academic year 2022-23, whereas 79,139 students got admission during the last academic year, which is comparatively 8.36 percent more than the previous year.

## **2.5.2. ESTABLISHMENT OF LEARNING MANAGEMENT SYSTEM INTEGRATED WITH AN ENTERPRISE RESOURCE PLANNING SOFTWARE (LMS & ERP)**

Learning Management System integrated with an Enterprise Resource Planning Software (LMS & ERP) in all Higher Educational Institutions is being established in order to formulate the policies, laws, regulations and promulgate various programmes based on the needs of society now and then for achieving the goals of the Government in the field of Higher Education in Tamil Nadu. The Government had sanctioned a sum of Rs.4.09 crore in the year 2021-22 towards Project Management Consultant / Resource cost for the implementation of the project and Design, Selection and Roll-out of a Learning Management System Integrated with Enterprise Resource Planning Solution in the state of Tamil Nadu.

M/s. Price Waterhouse Coopers Private Limited (PwC) has been selected for Technology

Consulting for ERP integrated with Learning Management System. M/s. Price Waterhouse Coopers Private Limited (PwC) has visited all 13 Universities, Directorate of Technical Education, Directorate of Collegiate Education, Government Engineering Colleges and Government Polytechnic Colleges and Government Arts and Science Colleges to gather requirement. The above M/s. Price Waterhouse Coopers Private Limited (PwC) has submitted the Diagnostic Study and all the functional requirements documented in the "Future State Technology Blueprint (FSTB)" for validation. A Meeting was convened by the Director of Technical Education with all the Stakeholders to review the functional requirement mentioned in "Future State Technology Blueprint (FSTB)" and the feedback and suggestions by the stakeholders were incorporated in "Future State Technology Blueprint (FSTB)" documents. A Detailed Project Report (DPR) has been prepared and submitted to

the Director of Technical Education for verification and validation. The tentative completion of the above project is 25.05.2025.

### **2.5.3. PROJECT MONITORING UNIT**

In order to Design, Development and Implementation of new e-governance systems of Directorate of Technical Education, the Project Monitoring Unit was established in the office of the Directorate of Technical Education to oversee the implementation of State and Central Projects, student welfare schemes, announcements and to develop effective and collaborative working relationships with stakeholders and to promote outstanding services to students, industries and society.

### **2.6. APPOINTMENT OF TEACHING FACULTY IN GOVERNMENT POLYTECHNIC COLLEGES AND SPECIAL INSTITUTIONS**

Teachers play a pivotal role in moulding the lives of the students and the destiny of a student

is in the hands of a teacher. With an aim to achieve this, the teaching faculty for the Engineering and Polytechnic Colleges are recruited through stringent testing procedures.

In order to fill up the vacant posts of 1,060 Lecturers in Government Polytechnic Colleges and Special Institutions, the Teachers Recruitment Board has published a notification for which an examination was conducted and Certificate Verification was done. Based on the selection list provided by the Teachers Recruitment Board, 1,026 Lecturer posts were filled in all the Government Polytechnic Colleges and the Special Institutions.

### 3. COLLEGIATE EDUCATION

The Department of Collegiate Education was formed in the year 1965 with a view to administer Collegiate Education exclusively by bifurcating the erstwhile Department of Public Instruction into Department of School Education and Department of Collegiate Education. The present Government have taken constructive measures by introducing advanced Scientific and Technical courses to increase the employment opportunities of the students of the State. Presently, the following institutions are functioning under the Department of Collegiate Education:-

<b>Type of Colleges</b>	<b>Govt. Colleges</b>	<b>Govt. Aided Colleges</b>	<b>Self Financing Colleges</b>	<b>Total</b>
Arts and Science Colleges	163	139	633	935
Physical Education	0	3	8	11
Oriental	0	4	0	4
School of Social Work	0	2	0	2
Colleges of Education	7	14	621	642
<b>Total</b>	<b>170</b>	<b>162</b>	<b>1262</b>	<b>1594</b>

### **3.1. FREE EDUCATION**

With an intention to reduce the financial burden of the economically poor parents, the Government have waived the payment of Tuition Fees for all the students studying Undergraduate courses in Government and Government Aided Arts and Science Colleges from the academic year 2007-08. The tuition fee has also been waived for all the students studying Postgraduate courses in Government Colleges from the academic year 2010-11. As a result of the above measures, the Gross Enrolment Ratio of the State has increased.

### **3.2. FREE BUS PASS**

The Government have introduced free bus pass scheme for all Government College students from the academic year 2007-08. Free bus passes are issued through the colleges to the students based on the applications received. During the academic year 2022-23, a total number of

1,34,194 students have benefitted under the scheme.

### **3.3. ONLINE REGISTRATION OF APPLICATIONS FOR STUDENT ADMISSION**

Online registration web portal has been introduced in the academic year 2020-21 for admissions into Government Arts and Science Colleges. Through this portal, students can exercise various choices of courses in Government Colleges throughout the State in a single registration. This portal has enabled hassle-free easy access to students even through their smartphones.

### **3.4. BHARATHI YOUNG POET AWARD**

In commemoration with Mahakavi Bharathi's Centenary Memorial Celebration, an announcement was made in the year 2021, to observe 11<sup>th</sup> September of every year, as Mahakavi Day and to conduct State Level Poetry



Competition for the College students. The title “Bharathi Young Poet Award” along with a cash prize of Rs.1.00 lakh will be given to one male and one female student, who win the title. The financial sanction for the above award has been granted during the year 2022-23. Accordingly, State Level Poetry Competition was held during the academic year 2022-23 and one male and one female student were selected for this award.

### **3.5. TRANSLATION OF TEXT BOOKS IN TAMIL**

In order to facilitate the students pursuing higher education in Tamil Medium, the Government in the year 2021-22 have announced that, 100 textbooks will be translated into Tamil, at a cost of Rs.2.00 crore in coordination with the Tamil Nadu Textbook and Educational Services Corporation. The subject-wise translation work has been allotted to the Translators identified by the Tamil Nadu Textbook and Educational Services Corporation. The translation work of the

textbooks have been completed. A quantum of 30% of Funds allotted to college libraries will be utilized for purchasing these translated textbooks from Tamil Nadu Text Book and Educational Services Corporation.

### **3.6. JOB FAIR**

Every year, Job Fairs are being conducted in the Government and Government-Aided Colleges under the Department of Collegiate Education. Special efforts are taken to help the students of Government Arts and Science Colleges to get jobs, after completion of their course. To achieve this goal, Placement Cells in the colleges have been revamped and enthusiastic teachers are placed in charge of Placement Cells. In the academic year 2022-23, 8,552 students, have benefitted.

### **3.7. SPECIAL COACHING FOR SC, ST AND MBC STUDENTS**

The students belonging to SC, ST and MBC communities studying in Government Colleges, particularly in rural areas find it difficult to get through the University examinations in English, Mathematics and Science subjects. With a view of making the students fully conversant in these subjects, special coaching is being given by way of remedial classes after the class hours and also on weekends. This focused and specialized coaching enables the students to build confidence and capacity to compete on par with the peer group and score higher marks in the University examination. The Government have sanctioned a sum of Rs.2.00 lakh for this scheme during the financial year 2022-23.

### **3.8. STIPEND FOR TAMIL MEDIUM STUDENTS**

During the year 1971-72, the Government introduced a scheme of granting stipends to

encourage the students enrolled in Tamil Medium. The stipend amount of Rs.400/- per annum has been enhanced as Rs.900/- per annum from the academic year 2018-19. During the year 2023-24, the Government have allotted a sum of Rs.4.24 crore for this Scheme.

### **3.9. e-GOVERNANCE**

For implementation of e-Governance projects in the Directorate of Collegiate Education, the Government have sanctioned a sum of Rs.99.80 lakh under Phase-I and Rs.1.32 crore under phase-II. For this project, computers and peripherals have been procured through ELCOT. The process of installation has been completed and automation has reached the final level of test run, with the pilot implementation of the portals created for Regional Joint Director Offices and Colleges, throughout Tamil Nadu.

### **3.10.IMPROVEMENT OF INFRASTRUCTURE**

Prioritizing the welfare of students to provide quality ambience of learning and to improve the infrastructure in Government Arts and Science Colleges, the Government have sanctioned a sum of Rs.4.84 crore for the procurement of 579 Tables and 726 Chairs for Teachers in Class rooms, 668 Tables for Staff Rooms, 351 Ceramic Black Boards, 352 Tables and 1,459 Chairs for Libraries, 971 Computer Tables, 1,318 Computer Chairs, 254 Notice Board and 691 Cupboard for Libraries in 29 Government Arts and Science Colleges through TANSI for the year 2022-23. The work has been completed.

### **3.11. CONSTRUCTION OF PERMANENT BUILDINGS**

The Government have sanctioned a sum of Rs.116.64 crore for the following 10 Government Colleges, which were started from the year 2017-18. The Construction works are in progress.

1. Cuddalore District – Kattumannar Kovil
2. Ramanathapuram District – Rameswaram
3. Kallakurichi District – Rishivanthiyam
4. Coimbatore District – Puliakulam
5. Karur District – Tharagampatti
6. Virudhunagar District – Srivilliputhur
7. Thenkasi District – Sankarankoil
8. Thenkasi District – Alankulam
9. Ranipet District – Sholingar(Jambukulam)
10. Villupuram District – Vanur

Out of 20 Government Colleges started during the years 2021-22 and 2022-23, a sum of Rs.128.17 crore have been sanctioned for construction of buildings for the following 10 Colleges and the construction works are in progress.

1. Virudhunagar District – Thiruchuli
2. Erode District – Thalavadi
3. Dindigul District – Ottanchathiram
4. Tirunelveli District – Manur
5. Tirupur District – Dharapuram
6. Pudukkottai District – Alangudi
7. Vellore District – Serkadu
8. Tiruchirappalli District – Manappari
9. Krishnagiri District – Thali
10. Pudukkottai District – Thirumayam

### **3.12. CONSTRUCTION OF LIBRARY BUILDING IN H.H.RAJAH'S COLLEGE, PUDUKOTTAI**

During the year 2022-23, the Government have accorded administrative sanction for a sum of Rs.6.00 crore and released a sum of Rs.4.00 crore for construction of new building with modern amenities for the Library in H.H.Rajah's College, Pudukottai. Balance amount of Rs.2.00 crore was met from the college funds.

### **3.13. PERUNTHALAIVAR KAMARAJAR COLLEGE DEVELOPMENT SCHEME**

Due to introduction of new courses and increase in admission of students in 55 Government Arts and Science Colleges, it is imperative to improve the infrastructure facilities namely Laboratories, Classrooms, Toilets and other amenities. The Government have sanctioned a sum of Rs.100 crore for improving the infrastructure facilities in 55 Government Arts and Science Colleges under the "Perunthalaivar Kamarajar College Development scheme".

The works are in progress under the above scheme.

During the year 2022-23, the Government have allocated a sum of Rs.25.00 crore under the "Perunthalaivar Kamarajar College Development Scheme" for construction of additional Classrooms, Laboratories and Libraries in Bharathi Women's College, Chennai.

### **3.14. INCREASE IN CONSOLIDATED PAY OF COMPUTER LITERACY PROGRAMME INSTRUCTORS FROM Rs.4,000/- TO Rs.10,000/-**

Computer Literacy Programme was introduced in Government Arts and Science Colleges during the year 2000-01 for the students studying non-Computer Science subjects to get employment soon after graduation. The Computer Literacy Programme Instructors were paid a consolidated amount of Rs.4,000/- per month from the fees collected from the students. The consolidated amount has been enhanced to



Rs.10,000/- per month from the year 2022-23 by revising the fee amount collected from the students from Rs.700/- to Rs.1,000/-.

### **3.15.CONSTRUCTION OF NEW HOSTEL BUILDINGS FOR DIFFERENTLY-ABLED STUDENTS AND AUDITORIUM IN THE NAME OF "MUTHAMIZH ARIGNAR KALAINAR" IN PRESIDENCY COLLEGE, CHENNAI**

Based on the announcement of the Hon'ble Chief Minister during the Convocation held in the Presidency College, Chennai on 05.07.2022, the Government have sanctioned a sum of Rs.21.60 crore for the construction of Hostel Buildings for Differently-Abled students in the College for the year 2022-23 and also accorded administrative sanction for a sum of Rs.63.00 crore and released a sum of Rs.7.00 crore for the construction of Auditorium in the name of "Muthamizh Arignar Kalaignar" for the year 2022-23. The above works are in progress.

### **3.16.CONSTRUCTION OF WOMEN'S HOSTEL BUILDINGS IN QUEEN MARY'S COLLEGE, CHENNAI**

Based on the announcement made by the Hon'ble Chief Minister during the Convocation held in the Queen Mary's College, Chennai on 22.11.2022, the Government have accorded administrative sanction for the construction of Hostel building in the Queen Mary's College, Chennai at an estimated cost of Rs.42.00 crore and released a sum of Rs.1.00 crore for the year 2022-23.

### **3.17.OPENING OF NEW GOVERNMENT ARTS AND SCIENCE COLLEGES**

In order to sustain Equity and Inclusivity and to provide uniform Higher Education in all parts of Tamil Nadu, 20 new Government Arts and Science Colleges were started in the year 2021-22 and 2022-23 in the following places:

<b>Sl.No.</b>	<b>District</b>	<b>Place of College</b>
1	Virudhunagar	Tiruchuli
2	Kallakurichi	Thirukoilur
3	Erode	Thalavadi
4	Dindigul	Ottanchathiram
5	Tirunelveli	Manur
6	Thiruppur	Dharapuram
7	Dharmapuri	Eriyur
8	Pudukottai	Alangudi
9	Vellore	Serkadu
10	Thiruvarur	Koothanallur (Women)
11	Trichirappalli	Manapparai
12	Villupuram	Gingee
13	Krishnagiri	Thally
14	Pudukottai	Thirumayam
15	Erode	Andhiyur
16	Karur	Aravakuruchi
17	Thanjavur	Thirukkattupalli
18	Dindigul	Reddiyarchathiram
19	Cuddalore	Vadalur
20	Kancheepuram	Sriperumpudur

For each college, the Government have sanctioned 17 teaching posts and 17 non-teaching posts and allotted a sum of Rs.44.85 crore as recurring expenditure and a sum of Rs.7.20 crore as non-recurring expenditure. Total financial sanction of Rs.52.05 crore has been allotted to these colleges. In addition to the above, a new

college has been established in Natrampalli, Thirupattur District which is to commence during the academic year 2023-24.

### **3.18. PURCHASE OF COMPUTERS AND UNINTERRUPTABLE POWER SUPPLY (UPS)**

The Government have sanctioned a sum of Rs.8.48 crore for the purchase of 1,550 computers and 62 UPS in 31 Government Arts and Science Colleges for the year 2022-23. The above items were supplied to the colleges through ELCOT.

### **3.19. CONVERSION OF UNIVERSITY CONSTITUENT COLLEGES INTO GOVERNMENT COLLEGES**

**3.19.1.** Based on the announcement made by the Government, 14 Constituent Colleges which were functioning under various Universities have been converted into Government Arts and Science Colleges under Phase-I. 793 teaching posts and 238 non-teaching posts have been

created for the above colleges and recurring expenditure for the above posts has been sanctioned.

**3.19.2.** In the second phase, 27 Constituent Colleges which were functioning under various Universities have been converted into Government Arts and Science Colleges. 1,455 teaching posts and 507 non-teaching posts have been created and recurring expenditure towards pay and allowances for the above posts have also been sanctioned.

**3.19.3.** For smooth transition of the administrative control of these colleges from Universities to the Director of Collegiate Education, the actual number of teaching and non-teaching staff engaged in these colleges were reconciled with the number of posts sanctioned for these colleges and the incumbents have been directed to continue in these colleges on deputation basis until these posts are filled with

regular staff. In the meantime, the salary for the staff appointed by the Universities is being paid by the Director of Collegiate Education through the Treasury.

Consequent to the conversion of constituent colleges into Government Colleges, 41 Associate Professors have been promoted and appointed as Grade-II Principals in these Colleges.

### **3.20. STARTING NEW POSTGRADUATE COURSE FOR DIFFERENTLY-ABLED STUDENTS AND CREATION OF TEACHING POSTS**

During the academic year 2022-23, the Government have permitted to start M.Com., course for differently-abled students with Hearing Impairment in Presidency College, Chennai and sanctioned 5 posts of Assistant Professors and a sum of Rs.51.97 lakh has been sanctioned as a recurring expenditure for the said posts.

### **3.21. STARTING Ph.D. RESEARCH PROGRAMME**

During the academic year 2022-23, the Government have accorded permission to start new Ph.D., Courses in various disciplines such as Tamil, History, Chemistry, English, Commerce, Botany, Economics and Mathematics in the following 10 Government Arts and Science Colleges:-

<b>Sl. No.</b>	<b>Name of College</b>	<b>Place</b>
1.	Kalaigiar Karunanidhi Government Arts College	Tiruvannamalai
2.	Thiruvalluvar Government Arts College	Rasipuram
3.	Loganatha Narayanasamy Government College (A)	Ponneri
4.	Government Arts College for Women	Salem
5.	Sri Meenakshi Government Arts College for Women (A)	Madurai
6.	LRG Government Arts College for Women	Tiruppur
7.	Government Arts College	Chidambaram
8.	Kunthavai Naachiyar Government Arts College for Women (A)	Thanjavur
9.	Arignar Anna Government Arts College	Musiri
10.	Bharathi Women's College (A)	Chennai

### **3.22. CHIEF MINISTER'S RESEARCH FELLOWSHIP**

The Government have announced that Chief Minister Research Fellowship will be granted for the meritorious Postgraduate students to provide a research platform in Tamil Nadu. A State level qualifying examination for Research Fellowship will be conducted by Teachers Recruitment Board and 60 eligible scholars from Arts, Social Science and Humanities stream and 60 scholars from Science stream, totally 120 scholars will be provided with a monthly stipend of Rs.25,000/- for a maximum period of three years in lieu of the existing scheme. The assistance being provided to 120 research scholars at Rs.5,000/- per month under the existing scheme shall be extended upto 2024-25 in respect of PG students and upto 2023-24 in respect of M.Phil., students, so as to protect the interest of the students who joined in the academic year 2022-23.



### **3.23. CHANGE IN METHODOLOGY FOR RECRUITMENT OF ASSISTANT PROFESSORS**

The Teachers Recruitment Board has issued Notification for recruitment of 2,331 regular Assistant Professors in Government Arts and Science Colleges, vide notification dated 28.08.2019 and 04.10.2019. However, due to various reasons, including litigations the recruitment process could not be completed. The Government have taken a serious note of the issue and a high level committee meeting was convened under the Chairmanship of the Hon'ble Chief Minister of Tamil Nadu and it was decided to dispense with the practice of allowing weightage marks for qualifications, teaching experience and interview and to introduce competitive written examination for 200 marks and 30 marks for interview component for those who aspire for recruitment as Assistant Professors in Government Colleges and orders have been

issued. This revised methodology will ensure free, fair and transparent recruitment process.

### **3.24. RECRUITMENT OF 4,000 ASSISTANT PROFESSORS IN GOVERNMENT COLLEGES**

Imparting quality Higher Education not only involves infrastructure facilities but also depends on qualified faculty. Sensing the importance of these issues, the Hon'ble Chief Minister, after detailed discussion with all the stakeholders have ordered to recruit 4,000 Assistant Professors in Government Colleges taking into consideration the estimate of vacancies upto the year 2019-20. The total vacancies include, the 2,331 vacancies already notified but have not been recruited from 2019. It has also been ordered that those candidates who have already applied based on 2019 notification need not apply again and their applications shall be considered for this recruitment so as to avoid hardship to the job aspirants. The process for fresh recruitment of

4,000 Assistant Professors have already started and the syllabus for the subjects for written examinations have been finalized.

### **3.25.ENGAGEMENT OF 1,895 GUEST LECTURERS**

The process of regular recruitment of 4,000 Assistant Professors in Government Colleges has been initiated.

As this process would involve sometime, considering the welfare of students, it was decided to fill up the existing 1,895 vacancies in the post of Assistant Professors with the Guest Lecturers for the period of 11 months with the consolidated pay of Rs.20,000/- per month.

The existing method of recruitment of Guest Lecturers has been modified and applications have been invited online from eligible candidates. A Committee has also been constituted to select the eligible meritorious Guest Lecturers following

fair and transparent selection procedure. The recruitment process has been carried out in a phased manner and so far, 1,772 Guest Lecturers have been selected.

### **3.26. PROVIDING INTERNET CONNECTIVITY**

The Government have decided to provide internet facilities to 150 Government Arts and Science Colleges and Colleges of Education by providing Optical Fibre Connection (OFC) to 14 Government Arts and Science Colleges through TANFINET under the Bharat Net project and Leased Line Internet Facility with 100 Mbps to the remaining 136 Government Arts and Science Colleges and Colleges of Education at an estimate of Rs.12.00 crore.

### **3.27. TRANSFER COUNSELLING FOR TEACHERS IN GOVERNMENT COLLEGES**

The General Transfer Counselling for faculty members working in Government Arts, Science and Education colleges, which was not conducted

for the last 3 years, has now been conducted during the month of December 2022. A total number of 569 applications have been received and 199 eligible faculty members have been transferred as per the options exercised by them.

### **3.28.REGULARISATION OF 2015 BATCH ASSISTANT PROFESSORS IN GOVERNMENT COLLEGES**

The Services of 957 Assistant Professors who were appointed in the year 2015 have now been regularised after seven years. Thus, the long-standing demand of the above Assistant Professors has been fulfilled and it has paved way for their Career Advancement.

### **3.29.CAREER ADVANCEMENT SCHEME**

The Government have implemented the UGC Regulations, 2018. Based on this order, Career Advancement Scheme (CAS) for college teachers, which has been pending for the last 5 years has been granted and around 2,800 College teachers

have benefitted. Thus, another long-standing demand of the College teachers has been fulfilled.

### **3.30. NAAN MUDHALVAN SCHEME**

The Government have introduced curriculum courses for the students of Government Polytechnic, Engineering and Government Arts and Science Colleges under Naan Mudhalvan Scheme in the year 2022-23, in collaboration with the Tamil Nadu Skill Development Corporation, across Tamil Nadu. This Naan Mudhalvan Scheme aims to provide dynamic information for college students on course and relevant information about industry-specific skill offerings. This will enable the students of Tamil Nadu to get trained in their chosen field of interest that will help them in achieving their career goals. To increase the employment opportunities of the student community, Naan Mudhalvan Skill Enhancement courses offered by various industries are being incorporated within the curriculum of the

Undergraduate programmes. The objective of this “Naan Mudhalvan” Scheme is to identify potential training providers, to impart various skill trainings based on current industry needs.

Under this Scheme, in the odd and even semesters, the following courses are offered to the students of Engineering Colleges affiliated to Anna University during the academic year 2022-23:-

<b>S. No</b>	<b>Courses (for ODD Semester)</b>	<b>Total Students</b>
1	Office Fundamentals	82287
2	Big Data	9572
3	Cyber Security	3233
4	Full Stack	5926
5	Machine Learning	3337
6	Machine Learning (Mech)	24207
7	Cloud Essentials	8678
8	Robotics simulation (Hybrid)	4397
9	AR/VR (Hybrid)	4012
10	Industry 4.0 (Hybrid)	3954
11	Powering IoT (Hybrid)	4184
12	Building Information Modelling	2980
13	Design and construction of Steel buildings	2234

14	High Rise Building Design	2055
15	Transportation Infrastructure-Airports, Metros & Seaports	2764
16	Electric Vehicle (EEE)	4278
17	Electric Vehicle (Mech)	6970
18	Smart Energy Grid	3392
19	Communicative English	72,974
20	Project Based Learning – AI, ML, FS, IOT	54,350

<b>S. No</b>	<b>Courses (for EVEN Semester)</b>	<b>Total Students</b>
1	Architecture Visualization using AR/VR	1665
2	Block Chain Development	7946
3	Design of Photo Voltaic System	2487
4	Digital Marketing	7072
5	Electric Vehicle Charging System Design	2522
6	Embedded System Design – Process board design	1372
7	Embedded System Design – Industrial Application	2192
8	Embedded System Design & Application	450
9	EV Design	4971



10	Full Stack	3167
11	Industrial Metaverse using mixed reality (XR)	3450
12	Manufacturing of Mechanical Components using CNC Turning/Milling	1000
13	Product Design Engineering and Modelling	5678
14	Network Engineering	9431
15	Network Essentials	32000
16	Plant Simulation	568
17	Product Design Engineering and 3D Surface Modelling	4029
18	Foundation of AI, ML, FS	4915
19	Professional Readiness for employment	24547
20	Robotic Process & Industrial Automation	16795
21	Smart & Advanced Manufacturing - Design Simulation	12024
22	Sustainable Building Design	4781
23	Smart & Advanced Manufacturing - Process Simulation	1888

Under this Scheme, in the fifth semester, the following courses are offered to the students of

Government Polytechnic Colleges during the academic year 2022-23:-

<b>S.No</b>	<b>Course</b>	<b>Total Student</b>
1	AR/VR Development	6296
2	Building Information Modelling	1408
3	Lean Manufacturing	354

Under this Scheme, in the second, fourth and sixth semesters, the following courses are offered to the students of Arts and Science Colleges, during the academic year 2022-23:-

<b>Semesters</b>	<b>Courses</b>	<b>Specific Programmes</b>	<b>No. of beneficiaries</b>
II & IV	All Courses	Effective English and Microsoft Office Essentials	5,55,000

VI	Computer Application, Information Technology, Computer Science	IBM Career Education, Google, Cyber Security & Digital Marketing	35,538
	Physics, Maths, Data Science, Electronics & Statistics	Sales force	15,866
	Commerce, Economics, Business Administration	Digital Banking and Audit essentials	1,04,634
	Botany and Biotechnology	Medical coding	6,200
	Other Courses	Employability Skills	94,641

These courses are conducted by different global industrial partners with the main objective of enhancing the employability skills of the students. To train the faculty on the newly introduced Skill Enhancement courses, faculties were given training in two phases: Faculty Development Programme (FDP) – Phase I and

FDP- Phase II between 30.1.2023 to 11.2.2023, in State Universities. The Skilled graduates will be Industry-ready, equipped with essential employable skills.

Foreign languages such as French, German and Japanese are being taught to 600 final year students studying in 10 Government Engineering Colleges in collaboration with the Tamil Nadu Skill Development Corporation. Intensive coaching for competitive examinations CAT/GMAT/GRE and IELTS/TOEFL has been provided to 500 final year students of 10 Government Engineering Colleges to successfully clear the competitive examinations and to get placement in Multinational Companies.

During the academic year 2022-23, 844 Arts and Science colleges have been enrolled under Naan Mudhalvan Scheme, 15 industrial trainers have been identified, 27 new skill based courses have been introduced. 4,60,734 Engineering students and 8,11,879 Arts

and Science students have enrolled under this programme. 12,582 Engineering faculty and 9,183 Arts & Science faculty have also been trained.

### **3.31. PUDHUMAI PENN SCHEME**

The Hon'ble Chief Minister of Tamil Nadu launched "Pudhumai Penn Scheme" (Moovalur Ramamirtham Ammaiyar Higher Education Assurance Scheme) under the Social Welfare Department on 6<sup>th</sup> September 2022 to provide Rs.1,000/- per month to girl students who had studied from sixth to twelfth standard in Government / Department schools to pursue their higher education in educational institutions recognized by Government of Tamil Nadu / Government of India / University Grants Commission situated in Tamil Nadu for all recognized courses of Under Graduation including Medicine and Engineering, Paramedical courses, Diplomas and ITI courses etc. The amount is

being deposited directly in the bank account of the students, through Direct Benefit Transfer.

During the academic year 2022-23, 4,806 students of Government Polytechnic Colleges and 12,711 students of Government Engineering Colleges and 1,27,767 students of Arts and Science Colleges have benefitted.

The number of beneficiaries who had enrolled during the academic year 2021-22 in Higher Education Institutions is 71,008, whereas due to implementation of Pudhumai Penn Scheme in the current academic year i.e. 2022-23, the number of beneficiaries who had enrolled is 91,485. The admission percentage of these girl students has substantially increased by 29% compared to last academic year. This reveals that those who couldn't afford or even dropouts come back to Higher Education and derive the benefit. It is pertinent to point out that even while reviewing the community wise beneficiaries, it is found that

there is a substantial increase in the enrolment of girl students belonging to SC (A) with 71%, ST girl students with 41%, BC (Muslim) with 51%, DNC with 32% and MBC with 35%. This itself is strong evidence of the success of this scheme.

## **4. UNIVERSITIES**

The following Universities are functioning under the aegis of Higher Education Department:

1. University of Madras
2. Madurai Kamaraj University
3. Anna University
4. Bharathiar University
5. Bharathidasan University
6. Mother Teresa Women's University
7. Alagappa University
8. Manonmaniam Sundaranar University
9. Periyar University
10. Tamil Nadu Open University
11. Thiruvalluvar University
12. Tamil Nadu Teachers Education University
13. Annamalai University



## **4.1 UNIVERSITY OF MADRAS**

**4.1.1.** University of Madras was established in the year 1857. As an affiliating University, it had its jurisdiction over the then Madras Presidency. The birth of every new university through times, its jurisdiction shrunk and is now reduced to four districts – Chennai, Thiruvallur, Chengalpattu and Kanchipuram. The University has been actively engaged in research and postgraduate teaching. It is an acclaimed University in the field of Arts and Science education and has 73 teaching and research departments, 45 Research Centres and 134 affiliated colleges.

**4.1.2.** The University has been placed in 'A' Grade by the National Assessment and Accreditation Council (NAAC) and in the inclusive accreditation in 2014 it scored 3.32 / 4.00. It has also been recognized by the University Grants Commission (UGC) as 'University with

Potential for Excellence' and has completed Phase I and Phase II.

**4.1.3.** The University has been placed at 39<sup>th</sup> position among the top Universities of the country in the National Institutional Ranking Framework 2022 (NIRF).

**4.1.4.** The University has set up the Institute of Distance Education (IDE) in 1981 to provide wider access to higher education. It presently offers 19 Undergraduate courses, 21 Postgraduate courses, 21 Diploma/PG Diploma courses and 17 Certificate courses. These courses are recognized by Distance Education Bureau (DEB), UGC. The Institute of Distance Education of the University has considerably enhanced its performance in enrollment of students for Undergraduate and Postgraduate programmes compared to last five years.

**4.1.5.** The University is in the 1<sup>st</sup> position out of the 696 Universities in uploading Ph.D. thesis in the "Shodhganga", the electronic

repository of the INFLIBNET of UGC and so far the University has uploaded 13,881 Ph.D., thesis.

**4.1.6.** The University has made 2,073 Publications (2021 –2022) in the Scopus and Web of Science listed peer reviewed journals with the h-index of 24.

**4.1.7.** The University has secured 547<sup>th</sup> rank in a slab of 541-550, among the World Universities surveyed by the QS World University ranking, UK and also secured 48<sup>th</sup> rank globally for the Citations per Faculty. It also stands next to IIT-Madras in South India as per QS ranking. The University has been included in the QS world University Rankings for the first time ever.

**4.1.8.** The University of Madras has secured three Gold and one Silver Medals in the South Zone Inter-University Tournaments, secured one Gold and one Bronze Medal in National Inter-University Tournaments. In the 2nd Edition of Khelo India University Games 2022,

the University secured six Gold, seven Silver and five Bronze Medals.

**4.1.9.** National Service Scheme [NSS] of the University and NGO Dream Kalam created a World Record for their environment promotion initiative “Go green”.

**4.1.10.** The Fitness Centre with Sports Science Backup at Chetpet Campus was set up in 2022. The Centre is now useful for the players of the University and affiliated Colleges for enhancing their performance to compete at National and Inter-National levels.

**4.1.11.** The University has introduced new Elective subjects namely “Social Justice” and “Thirukural for Professional Ethics” for the Undergraduate Degree Courses and Five Years Integrated Course offered to the students of the affiliated colleges.

**4.1.12.** Under the ‘Naan Mudhalvan’ Scheme, the first phase of Faculty Development

Program [FDP] for the Affiliated Arts and Science Colleges (Government, Aided and Self-Financing Colleges) was conducted from 30th January 2023 to 11<sup>th</sup> February 2023 at the University.

**4.1.13.** The University and Keio University, Japan and the RIKA Institute, India executed a MoU for the purpose of furthering cooperation in education and Research and Development activities for a period of five years.

**4.1.14.** The University launched the new three years Blended Course in Bachelor of Science in the University of Madras in Collaboration with Melbourne University and executed a MoU to that effect. It will widen the opportunities for students of our State at a global level.

**4.1.15.** A Certificate Course in Online Teaching under Open Distance Learning (ODL) was introduced in the Institute of Distance Education, University of Madras from the academic year 2022-23.

**4.1.16.** 200 students have been selected to study undergraduate programmes in 70 affiliated Colleges of the University under 'Madras University Free Education Scheme' for the academic year 2022-23.

**4.1.17.** The Institute of Distance Education (IDE) of the University is planning to start new courses in emerging areas such as B.Sc., Data Science and MBA., Data Analytics in distance mode from next year.

**4.1.18.** The Entrepreneurship and Career Hub under RUSA has initiated "ARUMPU" – theme based projects with the support of ECH-RUSA 2.0 scheme in the University. The ARUMPU-2022 was designed and proposed to help innovative 'PG student's projects'.

**4.1.19.** The Government have sanctioned an amount of Rs.28.05 crore to the University to construct a Hostel building at Marina Campus for students based on the announcement made during the demand of 2022.

**4.1.20.** The University has proposed to initiate the mode of Web Based Learning including online course content. The University has proposed to develop the infrastructure facilities such as Network development and classroom facilities for the purpose of Discussion forums via email, video conferencing, and live lectures (video streaming) through the web.

## **4.2 MADURAI KAMARAJ UNIVERSITY**

**4.2.1.** Madurai Kamaraj University, the second University started in the State of Tamil Nadu, was established in the year 1966. As a pioneering institution, it has made significant contributions to the advancements of the State and the Nation by offering top-notch higher education. The University comprises 20 Schools and 77 departments. It has 116 affiliated colleges, 5 evening colleges, and 16 recognised institutions dispersed among Madurai, Theni, Virudhunagar and Dindigul districts.

**4.2.2.** The University has received a grade of "A++" from NAAC in its fourth cycle of accreditation, as of 2021. It holds the 52<sup>nd</sup> position in the NIRF Ranking, 2022. MKU currently holds the classification of Category-I University among Indian Universities. In the Education World India Higher Education Rankings (EWIHER) 2022–23, it was ranked as the



"No.1 State-run Multi-Disciplinary University" in Tamil Nadu and ranked 9th overall in India.

**4.2.3.** Out of the Rs.53.50 crore authorised for research, innovation, career / skills / entrepreneur development, and faculty development under RUSA Phase-II, Rs.35.00 crore allowed to MKU to carry out 57 research projects with 235 Research Fellows / Project Assistants and cutting-edge research infrastructure at the University. 'Entrepreneurship, Innovation and Career Hub' was built by the University with funding from RUSA 2.0 amounting to Rs.15.00 crore.

**4.2.4.** The School of Biological Sciences has established a cutting-edge ancient DNA laboratory with the help of RUSA 2.0. Together with the Department of Anthropology, they have begun collecting and analysing ancient human and animal bones as well as ancient sediments from the archaeological excavation sites of Tamil Nadu,

including Keeladi, Konthagai, Sivakalai, Adichanallur, and Kodumanal.

**4.2.5.** With the assistance of RUSA 2.0, a Center of Excellence (COE) in Artificial Intelligence and Machine Learning was also established in the School of Information Technology.

**4.2.6.** In order to reduce its monthly electricity costs of Rs.7,50,000, the University installed 3225 solar power panels at a cost of Rs.7.25 crore with the help of Rural Electrification Corporation Limited (RECL), New Delhi.

**4.2.7.** IAS aspirants can take advantage of free coaching sessions at the University-based Anna Centenary Civil Service Coaching Academy, which was founded with the assistance of the Tamil Nadu Government. In the current batch, 83 pupils (43 boys and 40 girls) are receiving coaching.

**4.2.8.** At a cost of Rs.3.5 crore, a clean room facility and a biosafety level (BSL)-III facility have been set up in the School of Biological Sciences to handle the pathogenic organism.

**4.2.9.** The University has established sacred groves in partnership with the DHAN Foundation and the HCL Foundation. In order to preserve the genetic diversity of the area, kadamba saplings were planted, and 4,200 neem seedlings were planted on campus to create a neem forest.

**4.2.10.** The Faculty of Biological Sciences is almost through with the process of creating smart devices with AI capabilities for managing mosquito vectors. The University has submitted a proposal to DST's "Sophisticated Analytical and Technical Help Institutes (SATHI) - 2022" to develop the research infrastructure.

**4.2.11.** Tamil Nadu Industry Development Corporation (TIDCO) has expressed desire to set

up a biotech park on the campus of the University. The projected Biotech Park might be able to meet the demands of the young entrepreneurs, scientists and students in Tamil Nadu's southern region to promote sustainable growth in the industrial sector.

**4.2.12.** In order to significantly transform skill development through innovation-led research approaches in AI & ML, Data Science, and Cyber Security, the School of Information Technology has established a Centre of Excellence (CoE) in Computational Intelligence and Data Analytics. The University will soon adopt cloud-enabled digital evaluation for the departments and linked colleges.

**4.2.13.** The University proposes to conduct Entrance Examination and student admission through online by itself. It also proposes to value the answer sheets digitally.

### **4.3. ANNA UNIVERSITY**

**4.3.1.** Anna University, the single largest technical University in India, has been bringing forth professionals with high technical skills. It was established on 4<sup>th</sup> September, 1978, as a unitary type University by integrating four well-known technical institutions namely College of Engineering, Guindy (1794), Alagappa College of Technology (1944), Madras Institute of Technology (1949), and School of Architecture and Planning (1957). Now, it is an affiliating type of University with all the engineering colleges of the State under its umbrella.

**4.3.2.** The University has 4 campuses (CEG, ACT, MIT, and SAP), 13 Constituent Colleges and 3 Regional campuses situated in Tirunelveli, Madurai and Coimbatore. 490 Affiliated Colleges which includes Government, Government-Aided and Self-financing Colleges come under Anna University. Anna University offers 28 UG and

78 PG programmes with 11,597 students on roll in the University Departments, 47 UG and 63 PG Programmes in Affiliated Institutions with 3,91,930 students on roll and 2,772 PG students on roll in Distance Education programme. Anna University is proud to have 12,564 Ph.D., scholars on roll.

**4.3.3.** In the NIRF ranking 2022, Anna University has been positioned 20<sup>th</sup> among the Universities, 29<sup>th</sup> among Architecture Institutions, 17<sup>th</sup> among Engineering Institutions, 22<sup>nd</sup> in the overall category and 49<sup>th</sup> in Management category. In Quacquarelli Symonds Index (QS Index) 2023 Anna University has been placed between 551 – 560 worldwide and ranked 185<sup>th</sup> at Asia Level.

**4.3.4.** 42<sup>nd</sup> Convocation was conducted on 29.07.2022. The Hon'ble Prime Minister, Shri Narendra Modi delivered the Chief Guest address, the Hon'ble Governor of Tamil Nadu

presided over the Convocation function and the Hon'ble Chief Minister and Hon'ble Minister for Higher Education were the Guests of Honour. The degrees were awarded to 3,68,192 graduands.

**4.3.5.** Anna University showed huge resilience in revising the R-2021 curriculum maintaining higher standards with more inclination towards skill-oriented specialized subjects. Towards this mission, a brainstorming workshop was conducted with more than 150 industrial experts and various other stakeholders. The developed curriculum has several individually aligned verticals in each discipline. Thus, the developed curriculum is Fully Flexible Credit System (FFCS) which supports the students to select courses of their interest.

**4.3.6.** Anna University introduced innovative and effective teaching learning pedagogies to promote different kinds of experiential learning. As a part of the above, a unique and first of its

kind initiative, Anna University has offered an “Experiential Project Based Learning course” called “PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP” with 3 credits in partnership with IBM. This is a joint initiative of Anna University, ICT Academy of Tamil Nadu, NASSCOM and IBM. It was supported by the Tamil Nadu Skill Development Corporation under the Naan Mudhalvan scheme of the Government of Tamil Nadu. 54,000 students from Computer Science and Engineering, Information Technology and Electronics and Communication Engineering disciplines of semester VII from 538 colleges affiliated to Anna University have completed this course. The main outcomes of the course are Design Thinking, Agile methods, Ideation, critical Thinking, Teamwork, Technology Stack, Coding and Solutioning.



**4.3.7.** Under the Naan Mudhalvan Initiative, Tamil Nadu Skill Development Corporation, Government of Tamil Nadu has launched a scheme to offer skill based courses to all the students of University Departments, Constituent Colleges and Non-Autonomous affiliated colleges. Through this initiative, private companies were partnered with and 19 courses of 2 credit each were offered during September 2022 – January 2023 academic session. Further 23 courses of 2 credit each are being offered during February 2023 - May 2023 academic session. Under this scheme, 1,78,421 students in odd semester were imparted with various skill based trainings and now 1,54,950 students have enrolled in the even semester. Train the trainers programme was also conducted for 9,405 faculty members on 19 different courses in the odd semester. 5,596 faculties were trained on 23 courses in the even semester.

**4.3.8.** The University is introducing Digital valuation System (DVS) replacing manual valuation. The Government of Tamil Nadu has sanctioned Rs.9.00 crore under TANII scheme for Digital Valuation System (DVS) project in which Rs.84.5 lakh has been released as first instalment

**4.3.9.** Lateral Entry Scheme for admitting diploma holders in Anna University was introduced this year 2022-23 and under this scheme, 360 students in CEG campus, 124 students in ACT campus and 230 students in MIT campus have been admitted and are pursuing UG programmes.

**4.3.10.** Tamil courses, தமிழர் மரபு & தமிழரும் தொழில்நுட்பமும் have been introduced for the first time in Engineering curriculum. 23 Tamil teachers were appointed to teach Tamil subjects for UG programmes of Anna University.

In the subject "Tamil Culture" (தமிழர் மரபு), the pride of Tamil heritage and culture is taught to the students. Tamil literature and the cultural values found through these literatures are included in this subject. The qualifications of Tamil language for being recognized as classical language is well discussed in this subject.

In the subject "Technology of Tamils" (தமிழரும் தொழில்நுட்பமும்), the highest technical skills of Ancient Tamils in the fields of Agriculture, weaving, pottery, architecture are highlighted to the students with evidence from Tamil literature and archaeological surveys.

**4.3.11.** B.Plan., was started in the Department of Planning, SAP Campus, Anna University from the academic year 2022 with total intake of 40 students with a grant of Rs.18.54 crore from Housing and Urban Development, Government of Tamil Nadu.

**4.3.12.** Anna University established a vibrant ecosystem through the formation of a separate council named, Entrepreneurship Development and Innovation Council (EDIC) to facilitate smooth operations of startups in certain existing centres/hubs like NHHID, TEC, AIC–AU Incubation foundation, ANIHEES, CIPR, CED and BIRAC. The AIC–AU Incubation Foundation has signed agreement with 27 incubatees in which 9 startups have raised funding to the tune of Rs.9.15 crore.

**4.3.13.** Transformative measures in academic and administrative performance of the University is monitored through bi-weekly SWOC Analysis.

**4.3.14.** The 'h' index of the University is 178 which is the highest among the Universities in Tamil Nadu with 31,155 publications and 4,01,965 Citations for the first 20,000 documents.

**4.3.15.** 15 new centers were established during the last one year to promote research in

emerging areas like automobile technology, robotics, automation, IoT, e-vehicles, AI and Data Science research and application, wireless system and design multi-disciplinary system research and energy storage.

**4.3.16.** Anna University has been granted 23 patents and 7 patents were filed during the year 2022–23 based on research outcomes.

**4.3.17.** The establishment of a research park inside the CEG campus with a budget of Rs.50.00 crore has been initiated to promote innovation, incubation and accelerating the growth of startups.

**4.3.18.** Anna University received the National Best University Award from the Hon'ble President of India, Tmt. Droupadi Murmu, during NSS Day celebration in New Delhi on 24.09.2022.

**4.3.19.** During the academic year 2022-23, 215 companies took part in the recruitment process. The companies recruited 1,308 UG Students and 301 PG students with an average salary package ranging from Rs.3.00 lakh to Rs.40.00 lakh per annum.

**4.3.20.** Three Industries namely Renault Nissan Technology and Business Centre India Pvt. Ltd (RNTBCI), Temenos, Dun Bradstreet have come forward to offer scholarships to nearly 260 students of the University Departments at the rate of Rs.30,000/- per student.

**4.3.21.** A sum of Rs.25.00 crore has been sanctioned for the Entrepreneurship, Innovations and Career Hub and Electrical Vehicle Technologies under RUSA 2.0 scheme and a sum of Rs.21.00 crore has been sanctioned for other sponsored research Projects. The faculty are imbued with a flair for Consultancy and testing that has earned Rs.53.70 crore.

## **4.4. BHARATHIAR UNIVERSITY**

**4.4.1.** Bharathiar University was established in 1982 with 9 academic departments. Currently the University has 13 Schools housing 38 Departments. Through these departments, 46 PG Programmes and 3 UG Programmes are offered besides M.Phil., and Ph.D., programmes. During the academic year 2022-23, 2,740 PG Students, 473 UG students, 99 M.Phil., Scholars and 764 Ph.D., Scholars are on roll.

**4.4.2.** The University has 140 Affiliated Colleges (20 Government Colleges, 16 Government-Aided Colleges, 1 Airforce Administrative College, 13 Management Colleges and 90 Self-Financing Colleges). In addition, 34 Research Institutions are functioning under the University.

**4.4.3.** This year 81,487 Undergraduate and Postgraduate Students, Ph.D., M.Phil., scholars of

formal education and 162 students of Distance Education (ONLINE) are admitted in the Institutions affiliated to the University including University Departments and School of Distance Education.

**4.4.4.** During the academic year 2021-22, 353 students benefited under Government of India Post-Matric Scholarship for SC / ST / SCC with the sanctioned amount of Rs.39.03 lakh. 129 students benefited under Government of Tamil Nadu Higher Educational Special Loan Scholarship. For the Hostel students in the same category an amount of Rs.10.21 lakh has been sanctioned.

**4.4.5.** The University has been accredited consecutively with "A" Grade in third cycle by National Assessment and Accreditation Council (NAAC) for the period 2016–2023. The University has submitted the Self Study Report for the



4<sup>th</sup> Cycle of NAAC Accreditation process and it got approved provisionally.

**4.4.6.** The University has been ranked as 15<sup>th</sup> among Indian Universities, stands 24<sup>th</sup> in the overall and 22<sup>nd</sup> in the Research categories by the National Institutional Ranking Framework (NIRF), Ministry of Education (MoE), Government of India for the year 2022. The University has been ranked as 205<sup>th</sup> among Asian Universities and 36<sup>th</sup> position in Southern Asia by QS ranking, UK for the year 2023. The University also has been placed as 801-1000 rank in World University Rankings and 18<sup>th</sup> among Indian Institutions, 251-300 in World Young Universities by TIMES Higher Education, UK for the year 2023.

**4.4.7.** The University is proud to have 18 of its faculty members who are listed under World Top 2 % Scientists based on the leading scientific research database SCOPUS. One of the Faculty

members is listed as Highly Cited Researcher in Clarivate Analytics.

**4.4.8.** The University has 11,445 publications with the citations of 1,72,605 with the “h” index of 137 as per SCOPUS database as on January 10, 2023.

**4.4.9.** Twelve patents were granted in the name of The University and Twenty more patents have been filed. Sixteen copyrights were also registered in the name of the University.

**4.4.10.** The process of establishing the ‘Knowledge Research Park’ by Tamil Nadu Industry Development Corporation (TIDCO) in the University has already started as per the Hon’ble Chief Minister’s Announcement.

**4.4.11.** More than 40 Memoranda of Understanding (MoUs) were signed between affiliated colleges of the University and schools in the district, during the ‘Kalloori Kanavu’ initiative

of “Naan Mudhalvan” at Bharathiar University. Through this initiative, students who have completed their SSLC in Government, Government-Aided, and Corporation schools would get an opportunity for career guidance from colleges to know about various streams in Higher Education.

**4.4.12.** The University in collaboration with Tata Electronics Industry, Hosur (under the University and Industry Collaboration - BU-CUIC) has started a new, B.Sc., Manufacturing Science programme for the employees (95% of women employees) of Tata Electronics – a prestigious electronic device and semiconductor manufacturing Industry. 85% of the students enrolled in this programme are first graduates and they will lead the consumable electronic device industry in India for another 4-5 years.

**4.4.13.** Earlier DRDO-Bharathiar University Center for Life Sciences (DRDO-BU CLS) has now

been promoted as DRDO – Industry-Academia Center of Excellence Bharathiar University (DIA-CoE BU). An MoU for next 25 years (upto 2047) was signed and exchanged between DRDO and BU at DEPEXPO 2022 at Gandhinagar, Gujarat on 20<sup>th</sup> October 2022. This Center facilitates to boost Industry Academia Collaborations in this region to work together on defence technologies and requirements.

**4.4.14.** The University has been awarded with Rs.17.25 crore by DST-PURSE programme based on the cumulative h-index (SCOPUS) by Department of Science and Technology, Government of India for procuring sophisticated instruments.

**4.4.15.** The University is one among the 16 Universities in India to receive Rs.50.00 crore under RUSA 2.0 program under Research, Innovation and Quality improvement plan, Ministry of Education, Government of India.

Through this grant, the University has started the Bharathiar Entrepreneur, Innovation and Career Hub (BEICH) for an amount of Rs.15.00 crore and Bharathiar Cancer Theranostics Research Centre (BCTRC) for an amount of Rs.35.00 crore.

**4.4.16.** Adapting to the Covid'19 pandemic situation, the University has started to develop ERP for the entire campus with the support of Government of Tamil Nadu with financial aid of Rs.1.35 crore.

**4.4.17.** A clock tower is constructed as part of Bharathi Centenary Year Celebrations as well as 75<sup>th</sup> Year of Indian Independence. It is also proposed to construct a Bharathiar Museum in the campus as part of Bharathi Centenary Celebrations.

**4.4.18.** With the aim of preserving ancient heritage herbal medicine, the University has

established the Herbal Garden to nurture medicinally important plants.

**4.4.19.** The construction work has been initiated for 3 Life Sciences Buildings, 3 Social Sciences buildings and extension of Advanced Science Lab with an approximate cost of Rs.43.00 crore in the year 2022-23.

**4.4.20.** Based on the announcement made during 2022-23, the Government have sanctioned Rs.15.24 crore to Bharathiar University to construct a Women's Hostel.

**4.4.21.** The University has prepared the base proposal for the big Glue Grant to set-up Coimbatore Educational Hub bringing all the educational and research institutions, Clinical Laboratories, Training Institutions in Coimbatore together for the progress of the society.

**4.4.22.** Dravidian (Tribal) Languages Centre is going to be established at Bharathiar University

pertaining to preserving and maintaining the Tribal Languages such as Toda, Paniya, Irula, Muthuva, Kota, Kaadar, Kattunayakka, Kurumba, etc,.

**4.4.23.** MoU with Melbourne University for starting B.Sc., (Blended) degree programme of Physics and Chemistry has been signed and the programme is under development.

## **4.5. BHARATHIDASAN UNIVERSITY**

**4.5.1.** Bharathidasan University established in 1982 is named after the great revolutionary Poet and Sahitya Prize recipient, Bharathidasan. In its four decades of service to society, the University is supporting the Students / Scholars / Staff to achieve remarkable strides of progress. The Motto of the University is framed from the Poet, Bharathidasan's poetic words, 'புதியதோர் உலகம் செய்வோம்'.

**4.5.2.** The Vision of University is, 'Ensuring the pursuit of excellence in teaching, learning, research, and extension of knowledge through higher education'. The Mission of University is, 'to promote scholarly, scientific and critical inquiry among the learners to move forward in the frontiers of knowledge'.

**4.5.3.** The University's academic entities include, 4 Faculties, 16 Schools, 38 Departments



including 1 PG Extension Centre, 33 Specialized Research Centres 11 Cells, 10 Central Facilities, Central Library, Digital Manuscript Gallery, etc., besides the Centre for Distance and Online Education (CDOE).

**4.5.4.** The Centre for Differently-Abled Persons (CDAPS) produces employable Differently-Abled children, by offering BCA, PG Diploma in Inclusive T&D, Diploma programmes in Office Automation and Assistive Technology, Photo Editing-2D Animation, Computer Fundamentals-Office Automation and Vocational T&D for speech and hearing-impaired children.

**4.5.5.** Recently a dedicated Bharathidasan University Alumni Portal got created and the contribution and involvement of the alumni is utilized for the development of the University.

**4.5.6.** The University sponsor-organized the Pan-India, 5-Day, 46<sup>th</sup> Session of the Indian Social

Science Congress (ISSC) under the aegis of the Allahabad based Indian Social Science Academy (ISSA) during 27<sup>th</sup>-31<sup>st</sup> January 2023.

**4.5.7.** Government of Tamil Nadu honoured the University with the 'OUR Winner Award' for 'Optimum Utilisation of Resources-(OUR)', among State Universities in Tamil Nadu under RUSA-2.0 in 2022.

**4.5.8.** Bharathidasan University team Won National Level Competition in Folk Dance, organized by Association of Indian Universities, in February 2023.

**4.5.9.** The University's NSS is quite active and that it even won National Award as the best NSS Unit in 2017-18. NSS Volunteers used to be agog with activities within and outside the campus at several towns/cities off the headquarters. It did a lot more activities in addition to our YRC, on

field activities during COVID-19 pandemic times in Awareness/Vaccination Programmes.

**4.5.10.** The Faculty Development Programme under 'Naan Mudhalvan Scheme' was held from 06.01.2023 to 11.02.2023.

**4.5.11.** The State-of-the-Art X-Ray Photoelectron Spectrometer, also known as Electron Spectroscopy for Chemical Analysis (ESCA) was installed at about a cost of Rs.4.00 crores in the University Science Instrumentation Centre on 17<sup>th</sup> February 2023 under RUSA 2.0.

**4.5.12.** The University Research – Ph.D., Programme Registration to Declaration of Results, goes online with inhouse designed software. The University has introduced new Software for Research Ethics and Plagiarism – (TURNITIN).

**4.5.13.** MoU has been signed between Department of Social Work of the University with

Department of Social Work and Behavioural Studies, University West, Sweden for Students Exchange programme. Two students of the Department of Social Work of the University were selected for Linnaeus Teacher Students Exchange Programme to University West, Sweden.

**4.5.14.** The Government have sanctioned an amount of Rs.8.83 crore to the University to construct a Hostel building for Girls at Khajamalai Campus based on the announcement made during the demand of 2022.

**4.5.15.** All the Departments of the University have Smart Classroom facility to improve the ICT knowledge of the students. The University Semester Examinations and Evaluation of Answer Scripts are digitalized. Learning Management System is adopted in this University. University has plans to go for e-attendance, bio-metric system for all staff.

## **4.6. MOTHER TERESA WOMEN'S UNIVERSITY**

**4.6.1.** Mother Teresa Women's University stands as a sterling house of Women Empowerment with its foundation stone laid by the Nobel Laureate for Peace, St. Mother Teresa. Established in 1984 by the Government of Tamil Nadu, the University bears the pride of being the only one of its kind in the State, and the third in the Nation with its unique status, 'by, for, and of the women'.

**4.6.2.** The University's motto is "Towards Equal Status" coupled with its Holistic Vision of Women Empowerment through Education targets building an Egalitarian Society where Women Power is used for the sustainable national development by assuming challenging roles aided by higher education of benchmarked quality.

**4.6.3.** The University has 16 departments with three Research and Extension Centres at

Chennai, Madurai, Coimbatore and a Training Centre for Women Empowerment at Pallapatti (SIPCOT Campus), Dindigul District. The Women's Colleges in Theni and Dindigul Districts come under the affiliation of Mother Teresa Women's University. There are 13 Colleges which include 3 Government, 2 aided, 1 Constituent and 7 Self-Financing Colleges.

**4.6.4.** The University is accredited with 'A' Grade by National Assessment and Accreditation Council (NAAC) in Cycle-III. 9 Patents were filed and published during 2022 by the staff of Mother Teresa Women's University.

**4.6.5.** Upskill Programme offered by the Cambridge Assessment English, a part of University of Cambridge, UK was given to students and Administrative Staff. US based company - INSTA GANA Live - Chennai is providing Virtual Training for paid internship projects for students.

**4.6.6.** 4 foreign professors visited our university through Tamil Nadu Common Wealth International Centre (Dr.Sasi Florence, Jazan University, Saudi Arabia, Dr. R. Jagannathan, Provost, Saint Teresa University, Saint Vincents and The Grenadines, West Indies, Former Vice Chancellor, Middle East University, Ras Al Khaimah, United Arab Emirates., Dr. Xavier Fernando, Professor, Ryerson Computing Lab, Ryerson University, Canada, Dr.Vijendra Agarwal, Minneapolis, USA Former Executive Fellow, at the White House Office of Science and Technology Policy, Washington DC, USA) and delivered lectures.

**4.6.7.** The Departments of Physics, Chemistry and Biotechnology of the University have applied for DST - "Sophisticated Analytical and Technical Help Institutes (SATHI) Programme – 2022" (Through Networking and Cluster

Approach) in collaboration with Madurai Kamaraj University, Madurai.

**4.6.8.** The Department of Visual Communication is proposed to establish Community Radio at the University for the welfare of women to bring about women empowerment, to make them socially and economically more beneficial to the society through giving voice to the marginalized women to be part of inclusive development.



## **4.7. ALAGAPPA UNIVERSITY**

**4.7.1.** With the prime objective of providing quality education in all spheres, Alagappa University was established in 1985. It has 4 faculties, 44 Departments and 10 Directorates and Centres. Besides, it has 45 Affiliated Colleges spreading two districts namely, Sivaganga and Ramanathapuram.

**4.7.2.** The University offers 203 programmes in the University Departments, 117 in Affiliated Colleges, 71 in Distance Education and 171 programmes in collaborative mode of education. Around 1.45 lakh students are pursuing higher studies through three streams of education.

**4.7.3.** The University has been striving to excel in both academic and research and development activities with the focus of achieving the Global Standard by expanding both laterally

and vertically and through internationalization of the campus.

**4.7.4.** The University is the first State University that has obtained A+ NAAC status in 2017. The University is placed in 28<sup>th</sup> position in National Institutions Ranking Framework (NIRF) 2022.

**4.7.5.** Alagappa University is placed in 51<sup>st</sup> position in QS Southern Asia Ranking and has been placed in the bandwidth of 251–260 in QS Asia University Rankings. Under THE (Times Higher Education) ranking, the University has secured 122<sup>nd</sup> position and 138<sup>th</sup> position under the category of World Young University Ranking.

**4.7.6.** The Department of Biotechnology, (DBT) New Delhi has approved and sanctioned a sum of Rs.1.89 crore to Department of Bioinformatics of the University for establishment

of "Bioinformatics and Computational Biology Centre (BIC)" to perform research for a period of 5 years (with effect from December 2021).

**4.7.7.** In 2022, the Department of Science and Technology (DST), New Delhi has sanctioned Rs.11.40 crore to ten partnering institutions under the Scheme "DST-Bio-energy and H2 MAP". In this project, the University is one among the 10 partnering institutions with the financial sharing of Rs.1.03 crore.

**4.7.8.** Upon rigorous evaluation of 87 RUSA beneficiaries, the University has been given the WINNER of "OUR (Optimum Utilization of Resources) RUSA STAR Award" by Tamil Nadu RUSA Directorate, Chennai.

**4.7.9.** As part of imparting industry relevant, employable and Entrepreneurial skills to the students as envisioned in 'Naan Mudhalvan Scheme', the University is offering courses

preferred in the scheme. Faculty Development (Massive up-skilling) Programme for the teachers of Affiliated Colleges was organized from 30.01.2023 to 11.02.2023 through 'Naan Mudhalvan Scheme'. Trainers from NSE Academy, IZAPY, TNASDA – Healthcare, Microsoft and Cambridge University Press and Assessment handled the training sessions.

**4.7.10.** As envisioned by the Hon'ble Chief Minister of Tamil Nadu, "Drug-Free Tamil Nadu" scheme is implemented in Alagappa University. Intense Awareness programmes titled "No to Drug Abuses" "No Addiction" were conducted during the year 2022-23 in the University campus as well as in the Affiliated Colleges.

**4.7.11.** In association with e-Learnnet skills, Alagappa Institute of Skill Development has created 10 Skill Development Laboratories and learning facilities and offers 16 skilling programmes. Every year, around 80% of the

students who are trained in this Centre, get placement in various industries and a few of them become entrepreneurs.

**4.7.12.** Rs.3.50 crore has been allotted to start Start-up and incubation under RUSA phase 2.0 scheme during 2022-23. Accordingly, proposals are invited from the Scholars and PG students for Entrepreneur in Residence (EIR) Scheme to promote entrepreneurial skills. Out of 38 proposals received, 30 proposals have been sanctioned for one year at Rs.3.20 lakh per Scholar / student. Similarly, out of 33 proposals received from the faculty members / Budding Entrepreneurs / start-up companies to commence Start-up / Incubation unit in the University campus, 20 proposals have been sanctioned with Rs.20.00 lakh each.

**4.7.13.** With reference to SCOPUS data, the h-index of Alagappa University is enhanced to 101 in 2022. Faculty members of this University

are credited with 91 Indian patents as on 31<sup>st</sup> December 2022 from the earlier count of 44 at the end of May 2021.

**4.7.14.** During the year 2022-23, the Directorate of Management Information System has been receiving consultancy assignments from various Universities in Tamil Nadu for developing software for students' admission, Examination digital evaluation, result publications, etc.

**4.7.15.** During the year 2022-23, the construction of buildings / creation of facilities, viz. Physical Education Classrooms, Fine Arts building, Computer Science Block, Synthetic Track, Tennis court and Solar Park proposed under RUSA 2.0 grant to the tune of Rs.9.70 crore are under progress.

**4.7.16.** As a special initiative, Special Education wing of Alagappa University imparts life skill training to differently-abled students through

the Resource School that was started and more than 50 differently-abled students are getting trained.

**4.7.17.** Based on the announcement made during 2022 regarding the establishment of Marine Sports and Tourism in Thondi campus is under progress.

**4.7.18.** In accordance with the announcement made during 2022, Alagappa University is taking swift action for the establishment of Research Park in the University campus. In collaboration with ITC, Bangalore, and Evolva Chemicals Ltd., Chennai, action has been taken to establish their Research unit in the University campus.

**4.7.19.** The Government of Tamil Nadu, under TANII (Tamil Nadu Innovative Initiatives) Scheme, has sanctioned Rs.4.50 crore for the implementation of Digital Evaluation System.

This system is being implemented first in the University Departments and is proposed to be extended to the Affiliated Colleges and Distance Education Students.

**4.7.20.** The Archaeological Survey of India (ASI), New Delhi, has accorded permission to the Department of History of the University for carrying out excavation in Ellanthakarai and its surroundings (Kalayarkovil Taluk in Sivagangai District) during the year 2021-22. Department of Archaeology, Government of Tamil Nadu, has released the grant of Rs.5.00 lakh, as a first phase. The second phase of work is under process.

**4.7.21.** It is planned to offer skill-based programmes in the fields of Internet of Things (IoT), Artificial Intelligence and Machine Learning, Data Science, Robotic Process Automation, 5G Functioning, Cyber Security and Virtual &



Augmented Reality through Alagappa Institute of Skill Development.

**4.7.22.** In line with the vision of National Hydrogen Mission, the University in association with M/s Galaxy Research Technologies, Singapore, intends to produce bio-hydrogen.

**4.7.23.** As part of social responsibility, the University shall focus on identification and promotion of local talents in select areas such as Ceramic and Art Design (Aathangudi tiles), Chettinad Heritage (Catering & Tourism), Craft work (Wood & Metal) and Trading (share market).

## **4.8. MANONMANIAM SUNDARANAR UNIVERSITY**

**4.8.1.** Manonmaniam Sundaranar University established in 1990 is named after the Tamil poet litterateur Prof. P.Manonmaniam Sundaram Pillai. The University caters to the needs of the four southern districts of Tamil Nadu, viz., Tirunelveli, Thoothukudi, Tenkasi and Kanyakumari.

**4.8.2.** The University is re-accredited with 'A' Grade (CGPA-3.13) by NAAC and placed at 80<sup>th</sup> position among the top Universities of the country in the NIRF India Ranking 2021 and is one among the top seven Universities in the State.

**4.8.3.** The University has four Faculty, 24 Departments, 4 specialized Centres, one Central Facility, conducting more than 100 (Int.PG/PG, M.Phil., Ph.D.,) programmes at different levels. At present, 3,392 students are

pursuing their higher studies and research in the University Departments.

**4.8.4.** The University has 106 affiliated colleges (11 Government Colleges, 23 Government-Aided Colleges, 56 Self-Financing Colleges, 10 Autonomous Colleges, and 6 Manonmaniam Sundaranar University Constituent Colleges) and 1,26,030 students are pursuing their studies in the University Departments and Affiliated Colleges.

**4.8.5.** The University has secured 10 patents during 2022-23 and signed 7 MoUs with Institutions / Industries at the National Level. The faculty have achieved 5,640 publications in the Scopus and Web of Sciences listed peer reviewed journals.

**4.8.6.** The 'Naan Mudhalvan' upskilling courses are incorporated in the course structure of all UG Programmes under II, IV & VI

semesters for the academic year 2022–23 onwards.

**4.8.7.** The University has planned to establish a Centre for Studies on Tamil Knowledge System converging the activities of University Departments to create comprehensive knowledge base and digital archive of Archaeology, Cultural activities, Bio-Diversity, Natural structures, Traditional medicines, Agricultural practices and Manuscripts, etc. It is planned to augment Chairs in Specialized Areas in collaboration with Archeological Survey of India (ASI).

**4.8.8.** Six Project Proposals have been sanctioned by the various funding agencies for an amount of Rs.1.10 crore.

## **4.9. PERIYAR UNIVERSITY**

**4.9.1.** The Government of Tamil Nadu established Periyar University in Salem in 1997. The University covers the area comprising four districts namely Salem, Namakkal, Dharmapuri, and Krishnagiri.

**4.9.2.** The University obtained 12(B) and 2(f) status from the University Grants Commission and it was reaccredited by the NAAC with "A++" Grade in 2021.

**4.9.3.** The University imparts higher education through three modes: Departments of Study and Research, affiliated Colleges, and Periyar University Centre for Online and Distance Education (PUCODE).

**4.9.4.** Presently, the University has 5 Science Schools and 3 Arts schools comprising 27 Departments offering 35 Postgraduate programmes, Four Undergraduate Programmes,

One Diploma programme and 27 Research programmes.

**4.9.5.** The University provides Student Support Services such as Library, National Service Scheme, Youth Red Cross, Women's Welfare Centre and creates various avenues for sports and games including synthetic Athletic Track.

**4.9.6.** At present, 4 departments have SAP, sanctioned by the UGC and 7 departments have FIST programme sanctioned by DST. Textiles and Apparel Design, and Food Science and Nutrition Departments have been granted Rs.1.5 crore by UGC to run B.Voc., programme in the respective disciplines.

**4.9.7.** The University secured 63<sup>rd</sup> Rank in NIRF during 2022 and has been consecutively ranked within 100 Universities in the past six years.

**4.9.8.** The University is the only State run University ranked among the top 10 institutions in India for Atal Ranking for Institutions on Innovation Achievements. Periyar University is the only State run University that has secured 4.00/5.00 star rating at the National Level by Institution's Innovation Council (IIC).

**4.9.9.** The University completely waived educational fee for Higher education for students who have lost their parents due to Corona and HIV.

**4.9.10.** According to the instructions of Tamil Nadu State Council for Higher Education, the syllabi of the University Departments and Affiliated colleges have been revamped and improvised. The revised syllabus has been implemented and followed from the academic year 2021-22.

**4.9.11.** The University has obtained Rs.7.00 crore fund from the Central Government under Khelo India Scheme for Synthetic Athletic Track and it is on the verge of completion.

**4.9.12.** Automatic machines to borrow Library Books have been installed for the ease of access for the students. Children's Library has been established with 5,000 new books. Readers club has also been started to induce reading habit among students.

**4.9.13.** A separate Director has been appointed to extend the activities of Thanthai Periyar Chair, Peraringnar Anna Chair and Muthamizh Aringnar Tamilvel Kalaingnar. M.Karunanidhi Research centre.

**4.9.14.** Coaching for Civil Service Examination is given regularly to prepare the students for competitive examinations.



**4.9.15.** Medicinal Park, Mushroom cultivation farm, Vermicompost preparation unit, Bio-gas container, Energy Park, Decorative Floral Park and Oxygen Park have been created. A wing viz '*Dravida Iyal Pathipagam*' was established in the Central Library.

**4.9.16.** Industrial Production Unit for Energy Park and Snack food products with 50-100 kg/hr capacity under Periyar University Business Incubation Confederation funded by EDII-TN (Rs.70.00 lakh) has been established.

**4.9.17.** Ph.D., research abstracts in Tamil (199) have been submitted to Tamil Virtual Academy, Chennai. "*Periyarai Vaasipoom*" programme was conducted among School and College students (6 lakh students participated).

**4.9.18.** Naan Mudhalvan Upskill Programme has been successfully implemented in the

University Departments and Affiliated Colleges of Periyar University.

**4.9.19.** The construction of exclusive building for the Kailaignar Research Centre will be commenced soon. As a part of Go Green initiatives, an 'Oxygen Park' with collection of bamboos was created in the campus.

**4.9.20.** The faculty members of the University have published 6216 research papers in International and National level journals and obtained 16 patents. The h-index of the University is 89.

**4.9.21.** 23 Postgraduate students received free education from the University has part of the initiative to support meritorious poor students irrespective of community. The University Departments have signed Five MoUs with premier research institutes.

**4.9.22.** The University has installed 300 Kilo Watt Rooftop Solar Power Plant in the Science Blocks II & III at an estimated cost of Rs.1.70 crore.

**4.9.23.** First phase of Skill Development Training was given to 50 students from the DDU-GKY fund of Rs.2.66 crore under Youth Skill Development Training Programme. More than 300 students are being trained under the same scheme and steps are taken to ensure their employment.

## **4.10. TAMIL NADU OPEN UNIVERSITY**

**4.10.1.** The Tamil Nadu Open University (TNOU) was established in 2002. The University, since its inception, is providing cost-effective, socially relevant Open and Distance Learning Programmes to the hitherto unreached as well as the disadvantaged groups.

**4.10.2.** The University at present, is offering Degree Programmes, Skill Development value added Programmes, starting from Certificate, Diploma, Vocational Diploma, PG Diploma, Undergraduate Degree, Master Degree, M.Phil., and Ph.D., Research programmes.

**4.10.3.** As per announcement made in 2022-23, Exemption of Fees is given for the Jail Inmates, Transgender and Destitute Widows at TNOU for pursuing UG, PG, Certificate, Diploma and PG Diploma, Vocational Diploma, Advanced Diploma Programmes in the University.

**4.10.4.** Through an intensive drive, a total of 17,286 learners were admitted in various

academic programmes during the Academic Year 2022-23.

**4.10.5.** Self-Learning Material Policy Document is developed for the preparation of Self-Learning Materials (SLM). As of now, 691 SLMs were newly developed based on the updated Syllabi and ISBN number has been obtained for all the SLMs.

**4.10.6.** The University has signed 9 MoUs with leading Higher Education Institutions for offering collaborative programmes. Some of them are as listed below:

- Karnataka State Open University, Mysuru for exchange of Academic Programmes
- Institute of Advanced Study in Education, Saidapet, Chennai to carry out academic activities

**4.10.7.** The University for the first time has got approval from All India Council for Technical Education (AICTE) on 30.05.2022 to offer MBA Programme through Open and Distance Learning modes.

**4.10.8.** The University has been offering B.Ed., (Special Education) in three specializations such as Visual Impairment (VI), Intellectual Disability (ID) and Hearing Impairment. Accordingly, the RCI granted approval to continue B.Ed., (SE) for 5 more years from 2022 to 2027. In this connection, an MoU between Rehabilitation Council of India and TNOU was signed on 13.12.2022.

**4.10.9.** In order to create awareness about Thirukkural and its application and also the contributions of Thiruvalluvar, a Chair in the name of Thiruvalluvar was established in 2022 in collaboration with Mylai Thiruvalluvar Thamizh Sangam, Mylapore.

**4.10.10.** In order to promote Social Justice, a Chair in the name of Thanthai Periyar was established in 2022. The Chair offers a Short-Term Course on Social Justice for the benefit of the public.

## **4.11. THIRUVALLUVAR UNIVERSITY**

**4.11.1.** Thiruvalluvar University was established by the Government of Tamil Nadu on 16.10.2002. 10 departments are functioning in the Thiruvalluvar University in the academic year 2022-23.

**4.11.2.** 76 Arts and Science Colleges and 6 Research Institutes are functioning under the jurisdiction of the University in the 4 districts of Vellore, Tiruvannamalai, Ranipet and Tirupattur.

**4.11.3.** Men's Hostel and Girls Hostel buildings were constructed at a cost of Rs.20.00 crore and opened on 20.01.2023.

**4.11.4.** 694 Research Papers by University Department Research Students and 923 Research Papers by University Department Teachers have been published in Science Citation Indexed Web of Science Journals and Scopus Indexed Journals. The University hold the first place for the one of

the articles among Indian Universities with the highest average citation index of 18.72.

**4.11.5.** University Central Library has 12,118 books for all departments. Open web links are provided for use of e-books and e-journals to improve the quality of research in the university. A library network (DELNET-Developing Library Network) has been created so that students can read the books of the library from their place without coming to the library.

**4.11.6.** The University is a member of Shodhganga which is coordinated by the Department of Higher Education in the Union Government for uploading Ph.D., theses and making them available for download and use by all the people.

**4.11.7.** The State Planning Commission of the Government of Tamil Nadu has provided Rs.8.00 crore in 2022-23 under the Tamil Nadu



Innovation Initiative for digital evaluation of examination papers in Thiruvalluvar University.

**4.11.8.** The University published 120 papers of Thirukkural Seminar-2020 held at Thiruvalluvar University in November 2022 by the Department of Tamil.

**4.11.9.** Rs.8,000/- is to be awarded to 20 Ph.D. research students studying in the departments of the University who are not receiving any other grant as “Thiruvalluvar University Research Scholarship”.

**4.11.10.** Faculty Development Programme under ‘Naan Mudhalvan’ Scheme was conducted in two phases at Thiruvalluvar University campus. Nearly 700 faculty members from affiliated Colleges have participated.

**4.11.11.** A Campus Placement Drive was conducted by the Placement Cell of the University. Indian Healthcare BPO, Chennai has conducted

interview for 240 students from affiliated Colleges and recruited 78 students. Appointment orders were issued on the spot. A Pooled Campus Placement 2022-23 for M.Sc., Chemistry graduates for the position of Associate Trainee offered by DSK Innosciences, Hosur was held on 22 February 2023.

**4.11.12.** The evaluation system and the administrative system of the University are to be digitalized.

## **4.12. TAMIL NADU TEACHERS EDUCATION UNIVERSITY**

**4.12.1.** Tamil Nadu Teachers Education University (TNTEU), established in 2008. The quality of Higher education is determined by the quality of primary and secondary education, emphasizing the importance of quality teachers in primary and secondary institutions.

**4.12.2.** The objective of the University is to provide high quality teacher education identifying innovative courses in teacher education. Its aim is to standardize quality in teacher education and to create and disseminate knowledge of teacher education to build a strong society.

**4.12.3.** The number of Colleges of Education under the TNTEU is 642 including 7 Government Colleges of Education, 14 Government-Aided Colleges of Education and 621 Self-Financing Colleges of Education. In its campus, the

University offers M.Ed., M.Phil., and Ph.D., programmes.

**4.12.4.** The University has secured 'A' Grade with CGPA of 3.17 from the National Assessment and Accreditation Council in the first cycle. The University Grants Commission, New Delhi has granted 12(B) Status to Tamil Nadu Teachers Education University.

**4.12.5.** The School Education Department, Government of Tamil Nadu have allotted Government and Government-Aided Schools for 80 days B.Ed., Internship Programmes for the 53,399 students, undergoing third semester in B.Ed., Degree programme from the academic year 2021-22 and the students have been undergoing 80 days Internship Programme to these Government and Government-Aided Schools.

**4.12.6.** Four Chairs have been instituted in the name of Dr.Sarvepalli Radhakrishnan, Dr.A.P.J.Abdul Kalam, Mahakavi Subramania Bharathiyar and Thiruvalluvar.

**4.12.7.** The Tamil Nadu Teachers Education University has received One Hundred and Twenty One (121) Certificates for World Record Events.

**4.12.8.** The University has registered the Alumni Association in the name and style of 'TNTEUAA' which functions with the motto of "not for me but for you".

**4.12.9.** All teaching faculty have conducted more than 2000 Online National and International Webinars, Faculty Developments' Programmes, Short-Term Programmes, Conferences, Seminars and Workshops.

**4.12.10.** The University has entered into 94 MOUs with various University and institutions (India & Foreign) to promote

academic cooperation and collaboration through research and study.

**4.12.11.** The University has established Tamil Culture Center to explore the traditional cultural practices followed by our ancestors.

**4.12.12.** The University has established Yoga Center for physical and mental health benefits. The University is providing rooms for Illam Thedi Kalvi Scheme.

**4.12.13.** The University has received District Green Champion Certificate from Mahatma Gandhi National Council of Rural Education, Department of Higher Education.

## **4.13. ANNAMALAI UNIVERSITY**

**4.13.1.** Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929) and the above Act was repealed and the University was brought under the control of Government of Tamil Nadu on 25.09.2013 by enacting the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013).

**4.13.2.** The University has 8 Faculties and 52 Departments offering UG, PG, Doctoral and Post-Doctoral Programmes . Annamalai University is accredited with 'A+' Grade by NAAC in 2021. As one of India's largest and oldest public Universities, it does yeoman service in taking education to people who are far from access to centers of higher learning.

**4.13.3.** Dr. C.P.Ramaswami Aiyar Library obtained ISO 9001:2015 Certification for automation and quality.

**4.13.4.** There is a 10% increase in overall admissions, 43% increase in Ph.D., admissions and 168% increase in skill development programmes compared to the previous year.

**4.13.5.** During 2021-22, 68 patents were filed and 3 granted. Centre for Natural Farming and Sustainable Agriculture was started in 2022 and the centre has conducted Gram Pradhas Awareness Training programme in four districts of Tamil Nadu.

**4.13.6.** Oxygen park and Miyawaki forest are introduced to make the campus more greener. For visually challenged students, a dedicated computer system with Braille Software and accessories is available in the Central Library.

**4.13.7.** The Marine Biology Library has RFID facility.

**4.13.8.** The University has signed 12 MoUs with various International and National



Institutions and organizations. The University has 15,674 Publications in Scopus and 9,390 Web of Science listed peer reviewed journals with the h-index of 140 and 125, respectively.

**4.13.9.** Annamalai Integrated Rice + Fish + Poultry Farming System Model was instituted in 50 small farm holdings at Bhuvanagiri Taluk. New Crab Species have been identified from mangroves near Vellar-Coleroon Estuary in Cuddalore District and named as *Pseudohelice annamalai*.

**4.13.10.** A fund of Rs.50.00 crore has been allotted under component 10 for Research, Innovation and Quality Improvement under RUSA-2.0 for Annamalai University. In this allocation, in the first Installment of Rs.7.50 crore for Incubation Centre and Career Hub and Rs.17.50 crore for Research and Innovation has been released.

**4.13.11.** Around 151 local underprivileged students have been trained with assured placements under UNNATI: Youth Empowerment and Social Transformation through Vocational Training.

## **5. TAMIL NADU ARCHIVES**

**5.1.** The formal origin of the Tamil Nadu Archives may be traced to the Central Record Room created at Fort St. George in 1805. As the records grew in numbers, they were shifted to the well-designed present Egmore campus in the year 1909 and was functioning in the name of Madras Record Office. Later in 1973, it was renamed as the Tamil Nadu Archives and Historical Research. Tamil Nadu Archives plays a vital role in preserving the original records of the Government. Tamil Nadu Archives is a century old institution and house for 40 crore records. Tamil Nadu Archives serves as a knowledge repository for researchers visiting from all over the world.

**5.2.** Considering the importance of various Government Department records, preservation of Administrative and Historically important documents is taken up across the State. Six District Record Centres function in Coimbatore,

Cuddalore, Madurai, Salem, Tiruchirapalli, and Thanjavur.

**5.3.** The digitization of the records is an ongoing process in Tamil Nadu Archives and 1.60 crore records have been scanned so far. In 2022-23, one Crore records will be digitized and also rare land records like Old Settlement Registers and Inam Fair Registers will be uploaded online for easy access and download by the general public.

**5.4.** Research Methodology training programme is being conducted along with Roja Muthiah Research Library for the benefit of research students under the Tamil Nadu Innovation Initiative Scheme 2022–23 at a cost of Rs.48.62 lakh. Further, Endowment Lectures are being held to promote Archival awareness among the people.

**5.5.** Under the Restoration of the Heritage Building Plan, renovation of Tamil Nadu Archival buildings is being undertaken at a cost of Rs.9.32 crore.

**5.6.** Special emphasis is given to scanning of old and important records. For the work of scanning of the old records in Tamil Nadu Archives and to carry out Software development, Data entry, Indexing, Cataloguing and Meta data creation etc., an amount of Rs.6.00 crore has been sanctioned by the Government and the work is under process. Action will be taken to mend 15 lakh rare records of Tamil Nadu Archives using Japanese Tissue Lamination method at a cost of Rs.10.00 crore.

## **6. TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION**

**6.1.** The Tamil Nadu State Council for Higher Education (TANSCHÉ) was established in 1992 by the Government of Tamil Nadu, as per the guidelines of the Tamil Nadu Government and University Grants Commission. This Council has been executing academic programmes of Government of Tamil Nadu to promote higher education in Tamil Nadu.

### **6.2. ACTIVITIES OF THE COUNCIL**

**6.2.1.** Rs.25.00 crore Research Grant has been released to 89 selected proposals received from Alagappa University, Annamalai University, Periyar University, Thiruvalluvar University, University of Madras, Bharathiar University, Bharathidasan University, Mother Teresa Women's University and Madurai Kamaraj University (9 state universities) to promote research areas which address the real-life issues of Tamil Nadu.

**6.2.2.** Based on the announcement made by the Hon'ble Minister for Higher Education on the floor of the Assembly, syllabus for 69 Undergraduate courses and 85 Postgraduate courses offered in Arts and Science State universities and Arts and Science Colleges have been revamped by the subject experts in consultation with industry stakeholders to enhance the employability of students.

**6.2.3.** The main components of job-oriented 'Naan Mudhalvan' scheme and skill development programme have also been incorporated in the model syllabus. The copies of the newly prepared model syllabus were forwarded to 10 Arts and Science Universities for acceptance.

**6.2.4.** Meetings of Chairpersons, Boards of Studies and subject experts have been conducted for obtaining equivalence to the courses offered by educational institutions for the purpose of

employment in public services and for pursuing higher studies. The recommendations of the Board of Studies regarding equivalence issues have been placed in the Equivalence Committee Meetings for approval and issuing necessary Government orders. So far, 18 Equivalence Committee Meetings have been conducted. 690 courses for employment purpose and 127 courses for higher studies (Total 817 courses) have been certified as equivalent or not equivalent.

**6.2.5.** Soft Skill Centres have been established in 62 Government Arts and Science Colleges to impart computer literacy, communication skills and personality development. Under this scheme, every year Rs.1.55 crore is being spent to train 500 students per college.

**6.2.6.** Special Care for Slow Learners scheme is being implemented by conducting



coaching classes and remedial classes in 24 Government Arts & Science Colleges. Rs.30.00 lakh is being spent for this scheme every year. This scheme focuses on preventing drop-outs in colleges, enabling slow learners to receive special care and customised training and to develop their learning skills thereby enabling them in completing their graduation.

**6.2.7.** Under the 'Minor Research Project' Scheme every year Rs.1.00 lakh per project is sanctioned to 25 selected projects submitted by 25 teachers of Government Arts and Science Colleges to encourage research activities.

**6.2.8.** Under the 'Student Mini Projects' scheme, Rs.15,000/- research grant has been given to each selected final year Postgraduate student. 50 final year Postgraduate students have been given the grant every year. This scheme has been implemented to promote research among students.

**6.2.9.** Partial Financial Assistance has been provided to teachers of State Universities and Government and Government-Aided Arts and Science Colleges to conduct Seminars, Conferences and Workshops.

**6.2.10.** The University Business Collaboration Centres have been established in 6 State Universities – namely University of Madras, Alagappa University, Bharathidasan University, Bharathiyar University, Madurai Kamaraj University and Manonmaniam Sundaranar University to facilitate internships, industry sponsored research projects, consultancy services, preserve and maintain bio-diversity, and also get placements support.

**6.2.11.** A meeting of the Registrars of 10 State Universities, Directors of Human Resources Development Centres of 5 Universities and representatives of Skill Development Scheme and 'Naan Mudhalvan' Scheme was organised to

enable Faculty Development Programme modalities exclusively for 'Naan Mudhalvan' scheme.

**6.2.12.** As per the directions of the Government, TANSCHÉ coordinated to organise the Naan Mudhalvan Faculty Training programmes in 10 State Universities with the support of Skill Development and Naan Mudhalvan team and Director of Collegiate Education.

## **7. RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA)**

**7.1.** Rashtriya Uchchatar Shiksha Abhiyan (RUSA) is a Centrally Sponsored Scheme launched in 2013 which is jointly executed by Central and State Governments with 60% Central share and 40% State share. The objective of RUSA is to enhance the quality of Higher Education with focus on Access, Equity & Excellence with greater efficiency, transparency, accountability and responsiveness.

The scheme aims at providing strategic funding to eligible State Higher Educational Institutions (HEIs). The beneficiaries of the RUSA 1.0 and RUSA 2.0 are Government Arts and Science Colleges and State Universities in Tamil Nadu and the launch of Phase 3 is awaited.

### **RUSA 1.0**

**7.1.1.** RUSA 1.0 has funded 76 projects under 5 components of RUSA 1.0 to the tune of

Rs.373 crore. The improved infrastructure in terms of classrooms, laboratories and sports facilities, smart classrooms and technology-enabled learning in higher education institutions of the State stands testimony to the effective implementation and measurable outcomes of RUSA 1.0.

## **RUSA 2.0**

**7.2.** The effective implementation of RUSA 1.0 paved way for the sanction of RUSA Phase 2.0 by Ministry of Education for Rs.615.78 crore in 2018. NAAC accreditation has been mandated as an eligibility requirement under RUSA 2.0 for the HEIs. With the introduction of two new components for Enhancing Quality & Excellence in State Universities and Autonomous colleges, the State has been approved of Rs.492 crore (Union Share Rs.295 crore + State Share Rs.197 crore)

### **7.2.1. ENHANCING QUALITY AND EXCELLENCE IN SELECT STATE UNIVERSITIES**

Alagappa University, Karaikudi has been approved of Rs.100 crore under this component out of which Rs.85.00 crore was earmarked for research, innovation, quality enhancement and excellence and Rs.15.00 crore was allocated for creation of Entrepreneur, Innovation & Career hub. This has been ensured by infrastructural developments, knowledge upgradation, University-society linkage, student-centric initiatives, theme based research projects in thrust areas.

### **7.2.2. RESEARCH, INNOVATION AND QUALITY IMPROVEMENT**

Research and innovation have been accorded utmost importance in RUSA 2.0 to foster innovations in line with the requirements of the nation. An amount of Rs.300 crore has been approved for six State Universities viz., Anna

University, Annamalai University, Bharathidasan University, Bharathiyar University, Madurai Kamaraj University and University of Madras at Rs.50.00 crore each. Entrepreneur hub and Themed Research Projects have been allocated Rs.15.00 Crore and Rs.35.00 crore respectively. Significant importance has been given to Skill development under Entrepreneur Hubs created by each University through which 10,012 students benefitted through 130 skill development courses. The Universities are pioneering research projects under the following themes:

<b>S. No</b>	<b>Universities</b>	<b>Research Project Theme</b>
1	Anna University	Electric vehicle charging station
2	Annamalai University	Health & Environment
3	Bharathidasan University	Health, Energy & sustainable development
4	Bharathiyar University	Cancer Theronostics research centre
5	Madurai Kamaraj University	School of Biomedical sciences
6	University of Madras	Bio medical applications

Rs.155 crore has been released under this component at Rs.25.00 crore for each University.

**7.2.3.** Infrastructural grants approved for Rs.80.00 crore to 3 Universities and 10 colleges resulted in the creation and upgradation of infrastructural facilities like academic blocks, indoor stadiums, gymnasium along with procurement of equipment to cater to the growing demands of the institutions.

### **7.3 ACTIVITIES UNDER RUSA**

**7.3.1.** Vocationalization programmes have been conducted through Tamil Nadu Skill Development Corporation (TNSDC) for 19 Government Arts & Science (Autonomous) Colleges covering 13,159 students.

**7.3.2.** Programmes on Life Skills under the vocationalization component were conducted through Anna Administrative Staff College, the Apex training institute of the State. Around



2,800 students have been trained in batches on Leadership, Interpersonal skills, Emerging technologies, etc.

**7.3.3.** Weekly Online Workshop (WoW), a series of online sessions are being conducted for all State Government Higher Educational Institutions, one at a time each week, covering varied themes apart from their academic curriculum. Distinguished speakers ranging from Bureaucrats, Administrators, Entrepreneurs, Speakers from corporate, Academia and Industry share their insights with students. Nearly 500 students participate in the LIVE programme and the sessions are also made available in TNRUSA YouTube Channel for the larger benefit of student community. So far, 70 sessions have been conducted in which 40,000 students have benefitted from the programme.

**7.3.4.** A series of handholding workshops for Assessment and Accreditation of Government Arts

and Science Colleges in collaboration with NAAC was conducted with the infrastructural support of affiliating State Universities in Chennai, Tiruchirappalli, Madurai & Coimbatore. The workshop was conducted in four batches for a total of 300 participants representing 115 Government Arts and Science Colleges.

**7.3.5.** A Collage Competition on the topic “The 22<sup>nd</sup> Century Woman” was organized as a part of the celebrations with an objective to showcase the resilience, leadership, and commitment of women folk to our students. 163 entries were received and upon evaluation, a total of 66 winners emerged from 39 colleges spread across 23 Districts.

The Independence Quiz League-2022 [IQL 2022], an online quiz competition for the students of 150 Government Arts College Students across Tamil Nadu was organized to commemorate the 75<sup>th</sup> year of Indian

Independence. Around 3,250 students across the State participated in the quiz.

**7.3.6.** Transformational Leadership Programme was conducted for the Principals of Government Polytechnic Colleges in Tamil Nadu in collaboration with ECHO India. The objective of the programme was to create passionate, enthusiastic and energetic leadership to face the challenges of the 21<sup>st</sup> century. The programme comprised twelve sessions conducted fortnightly covering the following topics: cyber security, artificial intelligence, decision-making, stress management and ethics.

**7.3.7.** A Cyber Security Awareness programme in collaboration with Cyber Peace Foundation, an NGO that focuses on awareness, counseling, education and training on Cyber security was conducted. The programme was conducted in 11 sessions covering more than 10,000 students at various locations in Chennai,

Tirupattur and Vellore. The next phase of the programme has been scheduled covering around 12,000 students.

**7.3.8.** Vocational programmes are being imparted for 4,930 students from 39 Government Arts & Science Colleges through Tamil Nadu Apex Skill Development Centre for Healthcare, a SPV for healthcare under TNSDC. The courses covered include Healthcare Management Executive, Hospital Admin Executive, Medical Coding, Medical Billing and students are offered placement upon successful completion of courses.

**7.3.9.** With the objective of offering value-added programmes for the benefit of students, programmes on foreign language training are imparted under the vocational programmes of RUSA. French, German, Japanese are imparted to 1,640 students of 9 Government Arts & Science Colleges by trained partners in virtual mode.

**7.3.10.** A Faculty Empowerment Programme (FEP) was organized for the Principals of Government Arts & Science Colleges to enhance their skills and remain updated in the competitive world. The programme was a three-day training conducted for five batches of 150 Principals at the Anna Administrative Staff College (AASC).

**7.3.11.** An international conference on “Emerging Trends in Online Teaching, Assessment and Learning (eTOTAL '23) has been organized. Technical sessions with paper presentations, Panel discussions, Poster presentations and Online presentations were conducted as a part of the 2-day conference. The research papers contributed by the authors were published in UGC-Care listed journal, EBSCO listed journal and the Conference proceedings.

RUSA along with the State Government has been consistently working towards making Tamil Nadu a global hub for teaching, learning and research in Higher Education.

## **8. SCIENCE CITY**

**8.1.** Science City was established in the year 1998 under the Chairmanship of Hon'ble Minister for Higher Education. The prime objectives of Science City is promoting science and technology components involving existing and new institutions, encouraging technology transfer component involving industrial houses and venture capital agencies, promoting global technology monitoring and forecasting and establishing a fully equipped science complex (convention centre).

### **8.2. POPULARIZATION OF SCIENCE**

For popularization of science, activities such as conferences, seminars, training programmes and science exhibition for school and college students were organised. Around 1200 people from different sections of the society benefitted from the following programmes.

### **8.2.1. TRAINING PROGRAMMES ON LABORATORY TECHNIQUES**

Hands-on training programmes were organised for a period of five days each, to provide training on Laboratory Instrumentation Techniques for UG final year and PG students pursuing Biology, Biotechnology, Physics, Chemistry, Material Sciences, Nano-materials preparation in Government and Government-Aided Colleges to motivate them to take up careers in Science.

### **8.2.2. NATIONAL CONFERENCE ON NATIVE CHICKEN**

The conference in association with TANUVAS was organized on 22<sup>nd</sup> and 23<sup>rd</sup> September, 2022. Genetics and Genomics, Physiology and Nutrition, Farming Systems, Health and Biosecurity, Post-harvest technology, economics and marketing, Farmers–Scientists Interface were covered in the conference.

### **8.2.3. TRANSITIONING FROM CAMPUS TO CAREER**

The programme covered all aspects required for students while transitioning from college to career environment such as multitude of higher education programmes, necessary skill sets for maximizing employability, research opportunities, etc.

### **8.2.4. WORKSHOP ON GEOSPATIAL TECHNOLOGIES / NATIONAL DISASTER MANAGEMENT**

The workshops were organized for a period of five days each. Participants were exposed and also trained on various geospatial technologies such as remote sensing, UAV, QGIS, spatial database management, etc., and in the workshop on Natural Disaster Management participants were exposed to various forms of disasters, mitigation and various techniques available for mitigation.



### **8.2.5. WORKSHOP ON MODERN TOOLS AND TECHNIQUES FOR SUSTAINABLE WATER RESOURCE MANAGEMENT**

The workshop was organised for five days. Participants were trained on groundwater resource assessment, Hydro-metrological Studies, Water harvesting structures and Community Action Plan for Water Management.

### **8.3. SUMMER TRAINING PROGRAMMES**

In order to motivate and create research temperament among students pursuing Post Graduation, Summer Training Programmes with a total intake of 90 students (30 in each discipline) will be organised in Mathematics, Chemistry and Biology during summer vacation. 75% students will be selected from students studying in rural colleges and the remaining 25% from urban areas. The training programmes will be organised for 21 days in each discipline.

## **8.4. AWARDS**

### **8.4.1. BEST SCIENCE TEACHER AWARD**

Teachers are the pillars of any education system in moulding the young students. Therefore, to recognize and honour teachers working in Government and Government-Aided Schools, the Science City instituted the Best Science Teacher Award. This is awarded for 10 teachers with a cash prize of Rs.25,000/- and a certificate.

### **8.4.2. RURAL INNOVATOR AWARDS**

Indigenous innovations have been developed by the rural people using cost-effective technology much to the benefit of the society. To honour such innovation, Science City introduced the rural Innovator Award in 2018. The Award carrying a cash prize of Rs.1,00,000/- each and a certificate is given to two innovators.

## **8.5. WORKSHOP ON WOMEN ENTREPRENEURS**

In view of the International Women's Day, a workshop on Entrepreneurship Development was organised for 75 women in the age group of 18 to 23 years. The participants were trained on Spirulina Culture, Essential Oil Extraction and Quality Control and Quality Assurance Parameters for personal hygiene products.

Similarly, a seminar on integrated approach for women Entrepreneurs in Digital and Bioscience Era was organized for 400 girl students of different colleges.

## **8.6. CHENNAI SCIENCE FESTIVAL**

In the Chennai Science Festival 2023, a science exhibition involving premier State and Central Government organisations, Universities and Colleges was organised in which interactive science exhibits and prototypes were displayed to

motivate and create interest in science among the visiting students and public. Science demos were also organised to explain the basic concepts of Science in an easily understandable manner. Around 10,000 people visited and benefitted from the festival.

## **9. TAMILNADU SCIENCE AND TECHNOLOGY CENTRE**

**9.1.** Tamil Nadu Science and Technology Centre was instituted in the year 1983. Science centres are essential to build a society that is knowledgeable about science. Tamil Nadu Science and Technology Centre has established Science Centres to illustrate the principles and power of science and technology in everyday life. Periodically, it organizes promotional activities to bring science closer to the people of Tamil Nadu.

Tamil Nadu Science and Technology Centre has established Periyar Science and Technology Centre with B.M. Birla Planetarium in Chennai, Anna Science Centre-Planetarium in Tiruchirappalli, District Science Centre in Vellore and Regional Science Centre in Coimbatore. Planetariums in Chennai and Tiruchirappalli are engaged in Astronomy education.

## **9.2 ACTIVITIES**

**9.2.1.** To keep pace with modern technology, in the planetarium at Periyar Science and Technology Centre, the most advanced Hybrid Projection System and a new hemispherical dome are being used for projecting high quality images such as apparent motion of stars, space, flight, planets, nebulae, galaxies and other astronomical images.

**9.2.2.** Science on a Sphere explains complex environmental processes to the visitors in an innovative way that is both educational and interactive.

**9.2.3.** During the year 2022-23, over 3,36,000 people, mostly students, visited the Science galleries and Science parks of the Science Centres and the Planetariums and got benefitted.

**9.2.4.** Tamil Nadu Science and Technology Centre strives to communicate Science and

educate masses by its Mobile Science Exhibition, Lectures and Demonstrations, Training and Workshops, Publications, Science Park exhibits, etc. Short-term courses, Astronomy Camp and Quiz competitions are also conducted periodically to reach out to several thousands of students and general public every year.

**9.2.5.** Sky Observation programmes are also conducted during astronomical events as well as on a regular basis for the public and students to observe the night sky through telescopes.

### **9.3. ONGOING ACTIVITIES**

#### **9.3.1. MODERNISATION OF ANNA SCIENCE CENTRE-PLANETARIUM, TIRUCHIRAPPALLI**

To present the astronomical images with clarity and to show animated astronomical phenomena such as apparent motion of stars, planets, nebulae, galaxies to the visitors, the Anna Science Centre – Planetarium is being

modernized with a digital planetarium system at a cost of Rs.3.00 crore. The works will be completed in May 2023.

### **9.3.2. TECHNOLOGY TRAINING FOR SCHOOL STUDENTS**

To provide opportunity to the students to learn and interpret Science and Technology concepts and to innovate, Tamil Nadu Science and Technology Centre has established Innovation Hubs at a cost of Rs.1.80 crore at Regional Science Centre, Coimbatore and Rs.1.50 crore in Anna Science Centre- Planetarium, Tiruchirappalli. The Hon'ble Chief Minister of Tamil Nadu inaugurated the above two Innovation Hubs on 28.10.2021. In the Innovation Hubs, during the weekend holidays, school students are being trained with the emerging technologies such as robotics, drones, electronics, 3D printing, computer coding. On the week days, students are



permitted to use the facilities for their learning activities.

### **9.3.3. INSPIRE AWARD UNDER MANAK SCHEME**

In co-ordination with Department of Science and Technology and National Innovation Foundation, India, this programme is being implemented with the objective of attracting young school students (VI – X Standards) to study Science and to pursue research career. Under this MANAK scheme (Million Minds Augmenting National Aspiration and Knowledge), an award of Rs.10,000/- is given to each selected student for preparation of project/ model/ showcasing of idea and participation in the District Level Exhibition and Project Competition (DLEPC). The selected students in DLEPCs participate in State Level Exhibitions and the winners of State Level Exhibitions further participate in the National Level Exhibition organized every year in

New Delhi. In the year 2022, a girl student of Government Girls Higher Secondary School, Valapadi, Salem won the third Prize and got the National Level bronze Medal.

#### **9.3.4. ARIVIYAL PALAGAI SCHEME**

Under this scheme a Tamil e-magazine, "Ariviyal Palagai" containing many Science articles is being published every month. Several Science outreach activities are being organized at various places in Tamil Nadu. In the Night Sky Observation programmes organized at Chennai, Ramanathapuram, Madurai, Salem, Tiruchirappalli and Coimbatore districts over 10,000 school and college students participated and learnt astronomical concepts.

#### **9.3.5. CLEAN COAST SAFE SEA PROGRAMME**

To create awareness of safeguarding our environment, 'Clean Coast Safe Sea' programme was organised in Chennai, Mayiladuthruai and

Thoothukudi Districts, in which about 15,000 students and public participated. Workshops on Astronomy, Green Comet Awareness Programmes, Science Demonstration lectures and online lecture series were the other popular events organised.

## **10. TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**

**10.1.** Tamil Nadu State Council for Science and Technology was formed in the year 1984 by Government of Tamil Nadu as an autonomous apex body to aid development of Science and Technology sector of our State. The Council is implementing Science and Technology schemes related to research and development, extension and field-oriented programmes, to fulfill this mandate.

### **10.2. SCHEMES SUPPORTED BY STATE GOVERNMENT**

#### **10.2.1. STUDENT PROJECTS SCHEME**

Final year students of UG (Engineering) and PG courses of Agriculture / Biological Science / Engineering / Medicine / Veterinary Sciences are provided with financial assistance of maximum Rs.10,000/- to carry out projects. During

2022-23, a total 1018 student projects have been supported for the benefit of 2,376 students.

### **10.2.2. SCIENCE AND TECHNOLOGY PROJECTS**

Financial assistance is provided to encourage researchers and scientists to undertake research that has social relevance and usefulness to our State. Action has been taken to support 27 projects during 2022-23.

### **10.2.3. YOUNG STUDENT SCIENTIST PROGRAMME**

A total of 40 students of Government and Panchayath Schools studying IX standard are selected from each district and 15 days intensive residential programme is conducted for them in a nearby University / College during summer vacation. During 2022-23, action has been taken for benefiting 720 school students from 18 districts.

#### **10.2.4. YOUNG SCIENTISTS FELLOWSHIP SCHEME**

Young scientists and researchers of our State below 40 years of age are provided with a fellowship of Rs.10,000/- pm for a period of 2 to 6 months. Action has been taken to support 23 young scientists during 2022-23.

#### **10.2.5. PARTIAL ASSISTANCE FOR SEMINAR / SYMPOSIUM / WORK SHOP**

Partial financial assistance is provided to educational and research institutions to organize seminars/ symposia/ workshops in various topics. During 2022-23, action has been taken to support 100 programmes.

#### **10.2.6. POPULARISATION OF SCIENCE AND TECHNOLOGY**

Financial support is provided to conduct Science Exhibitions, Training Programmes, Popular Lectures on various aspects of Science and Technology to Universities, Colleges and

Voluntary Organizations. Action has been taken to support 50 organizations during 2022-23.

#### **10.2.7. TRAVEL GRANT FOR YOUNG SCIENTISTS**

Young scientists and researchers are provided with 50% of air fare in case of international conferences and 100% train fare (First class / Second A/c) in case of national conferences to present their research findings. During 2022-23, action has been taken to support 6 Scientists.

#### **10.2.8. ASSISTANCE FOR SCIENCE AND TECHNOLOGY PUBLICATIONS**

To enable science and technology publications in Tamil, financial assistance is provided to bring out textbooks in Tamil for the use of students. During 2022-23, action has been taken to support around 10-15 publications.

### **10.2.9. TAMIL NADU SCIENTISTS AWARD (TANSA)**

Contributions of our State Scientists and Researchers are being encouraged and honoured through TANSA. Awards are given in 10 disciplines such as Agricultural, Biological, Chemical, Environmental, Medical, Mathematical, Physical, Social Sciences, Veterinary Sciences and Engineering & Technology. During the year 2022-23, action has been taken to select 10 Scientist for TANSA.

### **10.2.10. INNOVATION AND PRODUCT DEVELOPMENT**

The objective is to recognize creative, novel and innovative ideas from grassroot level. The identified innovation is supported by technical / infrastructural and financial support. Action has been taken to support 40 innovations at a cost of Rs.50,000/- to Rs. 1,00,000/- during 2022-23.



### **10.2.11. QUALITY IMPROVEMENT OF SCIENCE EDUCATION IN RURAL SCHOOLS**

To update their knowledge on the current syllabus and new areas, quality improvement training is provided to science teachers of VI to VIII standards. During 2022-23, action has been taken to cover 10 districts for the benefit of 500 teachers.

### **10.2.12. DISSEMINATION OF INNOVATIVE TECHNOLOGY**

Innovative technologies useful in improving employment potential are disseminated by academics and scientists through training programmes and workshops. During 2022-23, action has been taken to conduct 18 programmes for the benefit of 900 people like farmers, Self-Help Group members, women and other stakeholders.

### **10.2.13. SCIENCE AND TECHNOLOGY CAPACITY BUILDING FOR INDUSTRIAL NEEDS**

To enable final year polytechnic and engineering students acquire skill sets relevant to industries, this programme is organized with the active collaboration of industries and colleges. During 2022-23, action was taken for benefiting 4,500 students.

### **10.2.14. PROGRAMME FOR BRIDGING THE GAP IN RESEARCH FUNDING FOR RESEARCH SCHOLARS IN COLLEGES**

Research students from colleges conducting research in relevant areas are supported with funding. Projects of research students are evaluated and selected. During 2022-23, action has been taken to support 10 research scholars.

### **10.2.15. IMPROVEMENT OF SCIENCE AND TECHNOLOGY INFRA STRUCTURAL FACILITIES AT GOVERNMENT COLLEGES**

In order to make desirable impact in the area of research and development, financial support is provided to improve the infrastructural facilities in Government Colleges. During 2022-23, 3 Government Colleges benefitted.

### **10.3. SCHEMES SUPPORTED BY CENTRAL GOVERNMENT**

#### **10.3.1. PATENT INFORMATION CENTRE**

With the financial support from Department of Science and Technology, Government of India, a Patent Information Centre (PIC) has been established in the Council to provide facilitation services regarding Intellectual Property (IP) protection by encouraging innovation and creativity. During 2022-23, the PIC has conducted about 12 awareness programmes, 7 workshops. The application seeking GI tag for "Udangudi Panangaruppatti" has been filed in GI registry.

### **10.3.2. ESTABLISHMENT OF SCHEDULED CASTE (SC) SCHEDULED TRIBE (ST) CELL**

This project aims to spread Science and Technological innovations that are suitable to uplift the livelihood of the SC/ST community and raise scientific temper. The Cell with the financial assistance of Government of India has conducted training programmes in vermiculture, mushroom cultivation, tailoring and household products benefitting 271 SC/ST people.

### **10.3.3. STEM ACTIVITIES FOR SCHOOL CHILDREN**

In order to provide detailed exposure in the field of Science, Technology, Engineering and Mathematics, students from standard VI to VIII are trained for three days.

#### **10.3.4. MATHS and SCIENCE TEACHERS TRAINING THROUGH LOW COST TEACHING AIDS**

With the financial assistance of Rs.17.00 lakh from Department of Science and Technology, Government of India, 150 Maths teachers were trained in Tiruvannamalai, Madurai and Virudhunagar districts.

With the financial assistance of Rs.15.69 lakh from Department of Science and Technology, Government of India, action is being taken to train 150 Science teachers of three districts of Tamil Nadu.

#### **10.3.5. CELEBRATION OF NATIONAL MATHEMATICS AND SCIENCE DAY**

With the financial assistance of Rs.25.00 lakh from Government of India, Council has celebrated National Mathematics day (22<sup>nd</sup> December) and Science day (28<sup>th</sup> February). Quiz programmes, workshops and exhibitions were organized. More than 10,000 students from different districts participated in the event.

## **11. TAMIL NADU STATE URDU ACADEMY**

**11.1.** The Government of Tamil Nadu established Tamil Nadu State Urdu Academy for promotion of Urdu language in the State. The Hon'ble Minister for Higher Education is the Chairperson of the Academy. At present, Urdu language is offered in Colleges in the State.

**11.2.** The functions of the Academy include conduct of Mushairas (Conference) in association with National Chamber of Commerce and grant of award and cash prize to the poets and State rank holders in Urdu language.

## **12. TAMIL NADU STATE COUNCIL FOR TECHNICAL EDUCATION**

**12.1.** The Tamil Nadu State Council for Technical Education was constituted as per Tamil Nadu State Council for Technical Education Act, 2010 and the Council started functioning since 17.06.2010 for State level planning for the development of Technical Education.

### **12.2. MAJOR ACTIVITIES**

- Financial Assistance of Rs.25.00 lakh from the Development Fund of the Council was given to the Directorate of Technical Education to revamp the Curriculum for Diploma in Polytechnic Education in Civil, Mechanical, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Engineering and reviewed its implementation.
- A Two day Workshop on "Recent Trends in Research" was conducted online for the Faculty Members of all Government Engineering and Government Polytechnic Colleges.
- Proposes to evolve a new perspective plan for development of Technical Education.

### **13. TAMIL NADU UNMANNED AERIAL VEHICLES CORPORATION**

**13.1.** "Tamil Nadu Unmanned Aerial Vehicles Corporation" in partnership with Madras Institute of Technology, Anna University has been established to cater the drone-based needs of various departments of Government of Tamil Nadu through drone-based solutions and services in law enforcement, mining, revenue and municipal administration, urban development, water management, agriculture and allied sectors, disaster management, health, forestry, archaeology, Geographic Information System (GIS) and environmental studies, etc. The Tamil Nadu Unmanned Aerial Vehicles Corporation has been registered under the Companies Act as 100% Government owned Private Limited Company. The Corporation apart from designing, manufacturing, and trading in all types of drones will also provide a large number of drone-based services like agricultural pesticide spraying monitoring, mapping, surveillance, search and rescue, volumetric analysis for the user



department. The Corporation through its solutions/ service and products to various agencies will generate employment opportunities in the State. The Hon'ble Chief Minister of Tamil Nadu inaugurated the Tamil Nadu Unmanned Aerial Vehicles Corporation on 25.01.2022.

**13.2.** As of now, the Tamil Nadu Unmanned Aerial Vehicles Corporation has undertaken projects like spraying larvicide through drones on major waterbodies of Chennai for Greater Chennai Corporation and Supply of Agriculture Sprayer Drone to Krishi Vigyan Kendra, Tamil Nadu Agricultural University, 50 Surveillance Drones to Tamil Nadu Fire and Rescue Services, delivery Drone to Coastal Security Group, Tamil Nadu Police. Till date, Tamil Nadu Unmanned Aerial Vehicles Corporation has completed project worth Rs.2.25 crore.

**13.3.** Presently, the Corporation has undertaken a project from Director of Municipal Administration for an amount Rs.1.81 crore and

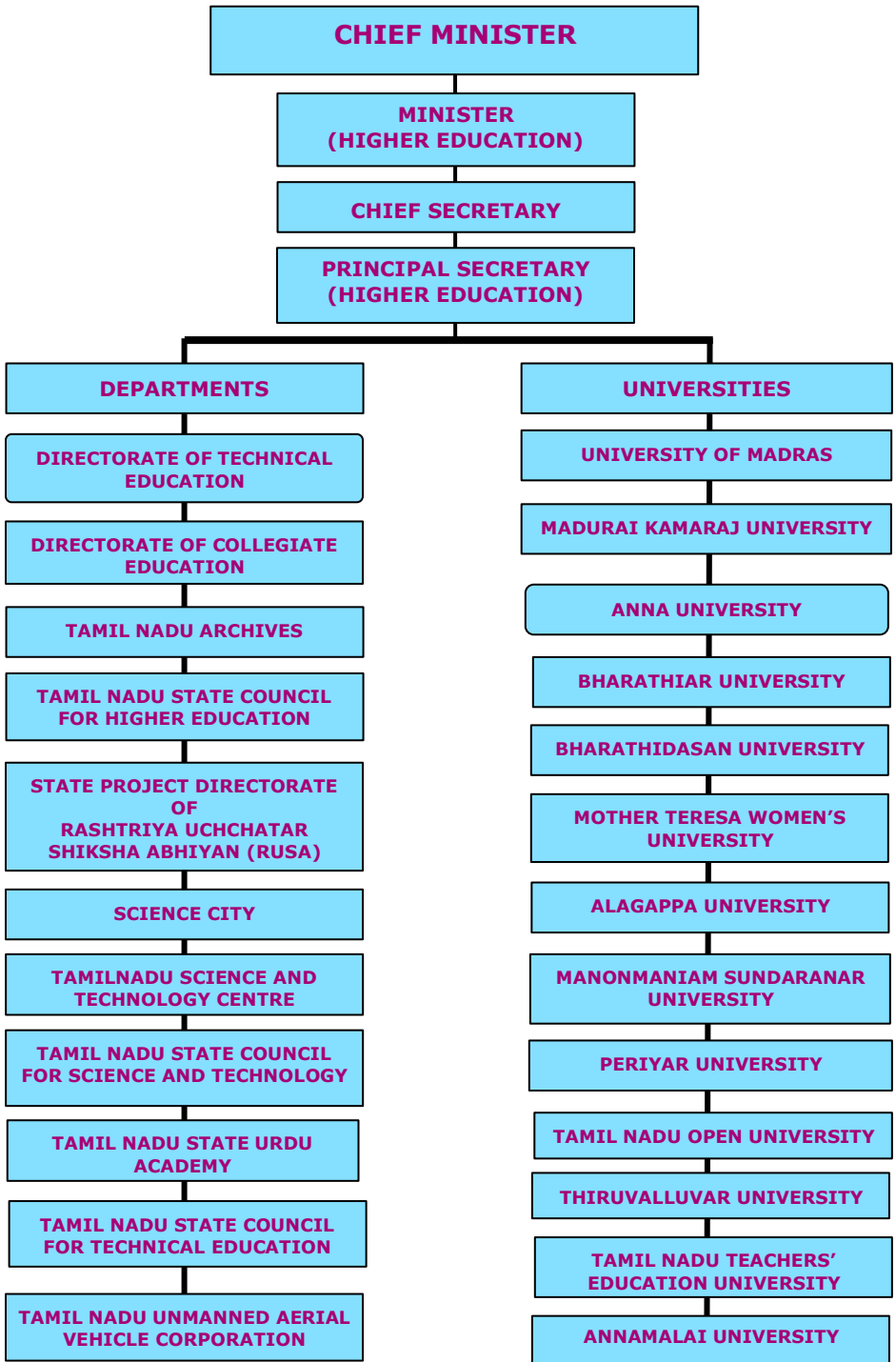
providing drone service to Greater Chennai Corporation towards providing 12 DGCA certified Drone pilots for 1 month on contract basis. Tamil Nadu Police Department and Tamil Nadu Government Forest Department have placed order for procuring Drones from Tamil Nadu Unmanned Aerial Vehicles Corporation.

**13.4.** Meanwhile, the Corporation has proposed Tamil Nadu Wetlands Department for mapping selected 50 wetlands in Tamil Nadu, Supply of Delivery and Surveillance Drones to Tamil Nadu Coastal Security Group, Supply of Unmanned Aerial Vehicle to Special Task Force, Tamil Nadu Police, Supply of Drone, Training and Maintenance to Manipur Police, Supply of Drones and Simulator for Tamil Nadu Police and Mapping for 3 minerals area to Tamil Nadu Minerals Limited (TAMIN), Chennai.

**Dr. K. Ponmudy**

Minister of Higher Education

# ORGANOGRAM



## TECHNICAL EDUCATION

### DETAILS OF STUDENTS ADMITTED TO FIRST YEAR B.E. / B.TECH. / B.ARCH. DEGREE COURSES IN ENGINEERING COLLEGES FOR THE YEAR 2022-23.

TYPES OF COLLEGES	NO. OF INSTITUTIONS	SANCTIONED INTAKE	ADMITTED STRENGTH																	GRAND TOTAL
			OC		BC (OTHERS)		BC (MUSLIM)		MBC/DNC		SC		SC (A)		ST		TOTAL			
			BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	
GOVERNMENT COLLEGES	11	4320	647	583	614	444	78	41	466	310	326	247	67	46	18	8	2216	1679	3895	
GOVERNMENT AIDED COLLEGES	3	3039	417	365	689	435	61	27	339	189	230	114	41	25	12	7	1789	1162	2951	
ANNA UNIVERSITY DEPARTMENTS/ CONSTITUENT COLLEGES	20	8210	1192	1012	738	641	131	51	600	424	422	334	65	54	21	7	3169	2523	5692	
SELF FINANCING COLLEGES	476	192427	25518	16034	29629	15363	3534	1030	17221	7963	10216	6383	1322	868	458	288	87898	47929	135827	
<b>TOTAL</b>	<b>510</b>	<b>207996</b>	<b>27774</b>	<b>17994</b>	<b>31670</b>	<b>16883</b>	<b>3804</b>	<b>1149</b>	<b>18626</b>	<b>8886</b>	<b>11194</b>	<b>7078</b>	<b>1495</b>	<b>993</b>	<b>509</b>	<b>310</b>	<b>95072</b>	<b>53293</b>	<b>148365</b>	
<b>GRAND TOTAL</b>			<b>45768</b>		<b>48553</b>		<b>4953</b>		<b>27512</b>		<b>18272</b>		<b>2488</b>		<b>819</b>		<b>148365</b>		<b>148365</b>	
# In the Year 2022-23 , totally 8 Transgender Students got admission in Self Financing Engineering Colleges.																				

## TECHNICAL EDUCATION

### DETAILS OF STUDENTS ADMITTED TO FIRST YEAR DIPLOMA COURSES IN POLYTECHNIC COLLEGES FOR THE YEAR 2022-23

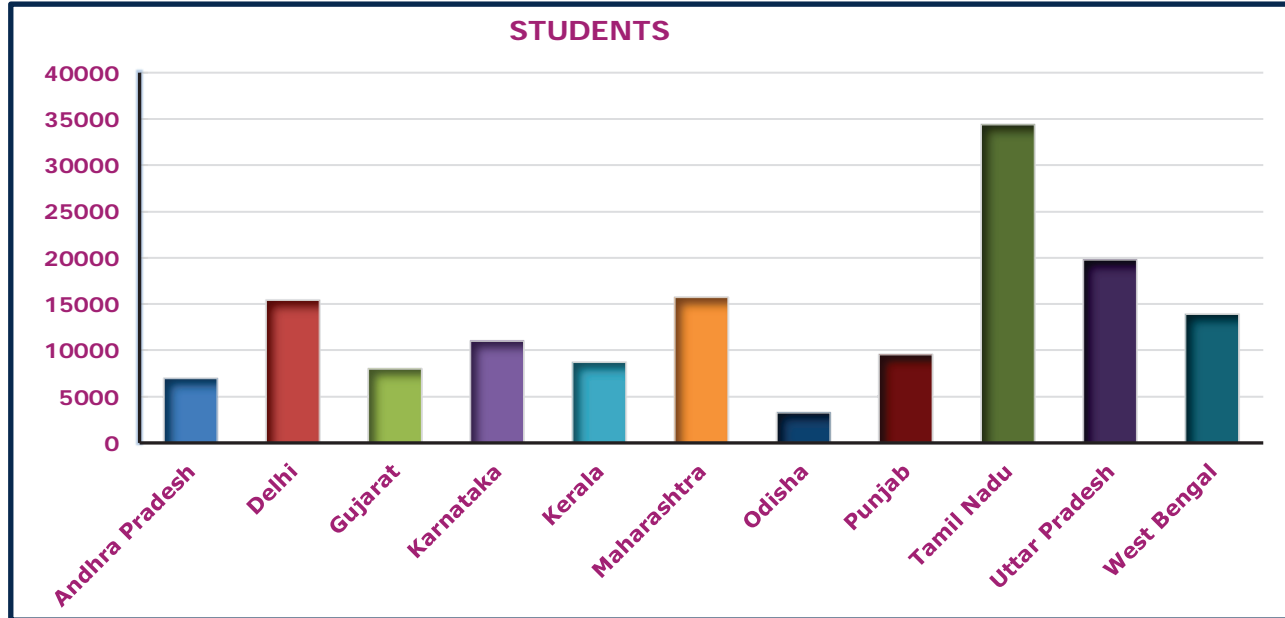
TYPES OF INSTITUTIONS	NO. OF INSTITUTIONS	SANCTIONED INTAKE	ADMITTED STRENGTH																GRAND TOTAL
			OC		BC (OTHERS)		BC (MUSLIM)		MBC / DNC		SC		SC (A)		ST		TOTAL		
			BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	
GOVERNMENT INSTITUTIONS	54	17790	98	23	3682	405	507	51	4460	336	2213	280	201	45	87	9	11248	1149	12397
GOVERNMENT AIDED INSTITUTIONS	34	13550	200	12	3196	271	531	35	2180	152	873	98	165	17	33	10	7178	595	7773
AFFILIATED INSTITUTIONS	4	253	10	1	28	0	6	0	24	0	11	0	0	0	1	0	80	1	81
SELF FINANCING INSTITUTIONS	403	130718	1682	215	11329	887	1963	101	10676	661	16473	2125	1673	272	476	90	44272	4351	48623
HOTEL MANAGEMENT & CATERING TECHNOLOGY INSTITUTIONS	1	30	0	0	3	0	2	0	1	0	7	1	0	0	0	0	13	1	14
<b>TOTAL</b>	<b>496</b>	<b>162341</b>	<b>1990</b>	<b>251</b>	<b>18238</b>	<b>1563</b>	<b>3009</b>	<b>187</b>	<b>17341</b>	<b>1149</b>	<b>19577</b>	<b>2504</b>	<b>2039</b>	<b>334</b>	<b>597</b>	<b>109</b>	<b>62791</b>	<b>6097</b>	<b>68888</b>
<b>GRAND TOTAL</b>			<b>2241</b>		<b>19801</b>		<b>3196</b>		<b>18490</b>		<b>22081</b>		<b>2373</b>		<b>706</b>		<b>68888</b>		
# In the Year 2022-23 , totally 3 Transgender Students (1-Govt. Inst., 2-Self Financing) got admission in Polytechnic Colleges.																			

## COLLEGIATE EDUCATION

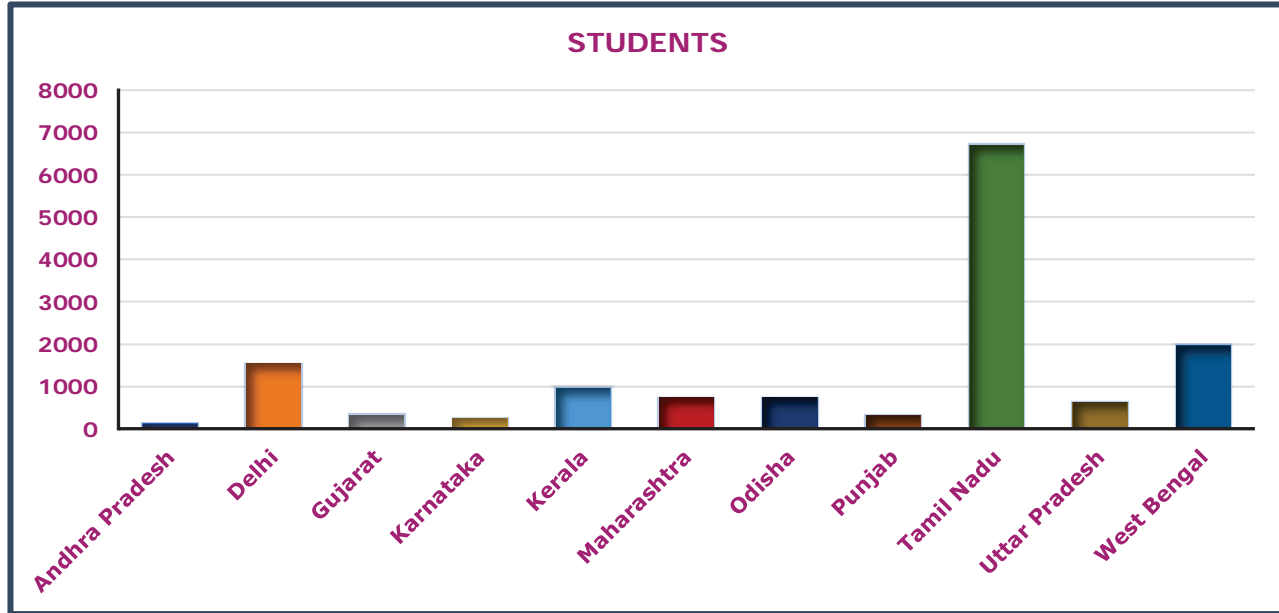
### DETAILS OF STUDENTS ADMITTED IN ARTS AND SCIENCE COLLEGES AND COLLEGES OF EDUCATION DURING THE YEAR 2022-23

TYPE OF COLLEGES	NO. OF INSTITUTIONS	ADMITTED STRENGTH												
		UG		PG		M.Phil		B.Ed.		Ph.D		TOTAL		GRAND TOTAL
		BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	
GOVERNMENT COLLEGES	170	46768	61980	6169	12714	50	83	390	556	105	305	53482	75638	129120
GOVERNMENT AIDED COLLEGES	162	32390	42757	5024	10140	28	74	134	1479	188	414	37764	54864	92628
SELF FINANCING COLLEGES	1262	92231	120479	12463	23772	78	252	8913	52839	250	535	113935	197877	311812
TOTAL	1594	171389	225216	23656	46626	156	409	9437	54874	543	1254	205181	328379	533560
GRAND TOTAL		396605		70282		565		64311		1797		533560		

**STUDENTS ENROLMENT AT Ph.D LEVEL DEGREE**  
**AS PER RECENT SURVEY (2020-21)**



**STUDENTS ENROLMENT AT M.Phil. LEVEL DEGREE**  
**AS PER RECENT SURVEY (2020-21)**

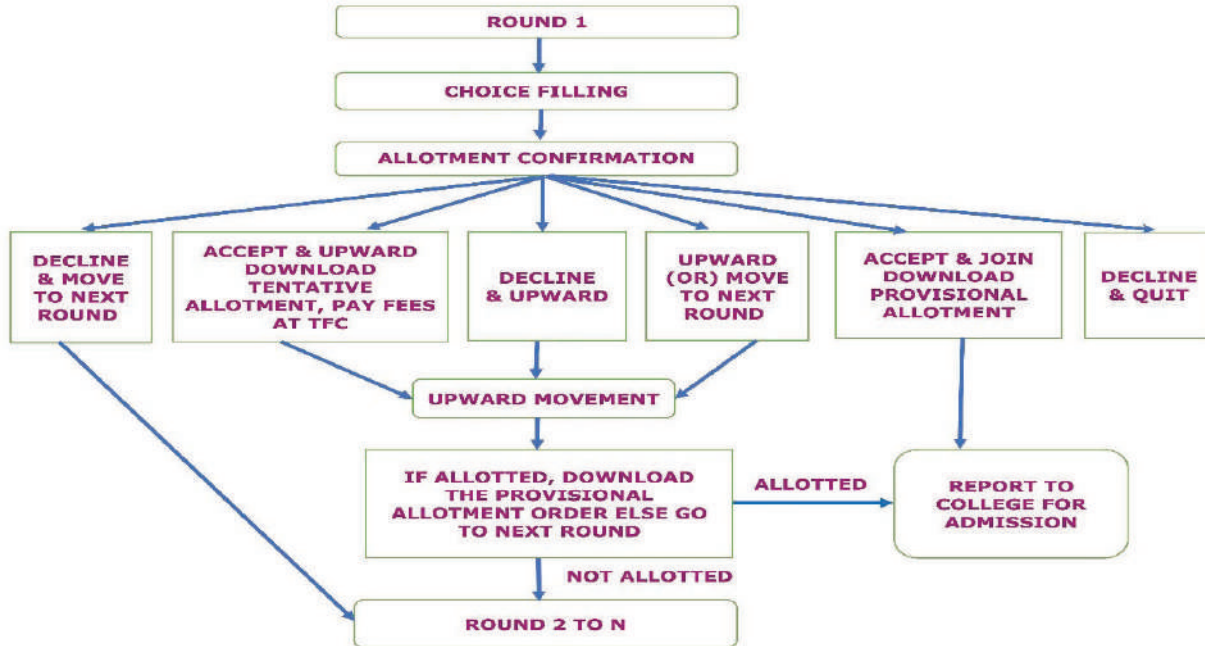




**CATEGORY-WISE ENROLLMENT OF FEMALE STUDENTS UNDER  
PUDUMAI PENN SCHEME AS ON 14.03.2023**

S.No.	CATEGORY	NUMBER OF FEMALE STUDENTS ENROLLED UNDER THE SCHEME IN FIRST YEAR DURING 2021-22	NUMBER OF FEMALE STUDENTS ENROLLED UNDER THE SCHEME IN FIRST YEAR DURING 2022-23	DIFFERENCE IN ENROLLMENT ((2022-23) - (2021-22))	% OF INCREASE / DECREASE
1	BACKWARD CLASS	20542	25143	4601	22
2	BACKWARD CLASS (MUSLIM)	1940	2921	981	51
3	DENOFIED COMMUNITY	3417	4520	1103	32
4	MOST BACKWARD CLASS	22455	30243	7788	35
5	OTHER COMMUNITY	601	680	79	13
6	SCHEDULED CASTE	18279	21980	3701	20
7	SCHEDULED CASTE (ARUNTHATHIYAR)	2792	4761	1969	71
8	SCHEDULED TRIBE	871	1225	354	41
9	OTHERS	111	12	-99	-89
<b>TOTAL</b>		<b>71008</b>	<b>91485</b>	<b>20477</b>	<b>29</b>

## NEW ENGINEERING COUNSELLING PROCEDURE – TNEA 2022





**The Hon'ble Governor of Tamil Nadu awarded Degrees in the Convocation function of University of Madras, Chennai on 16.05.2022 and the Hon'ble Chief Minister participated as Chief Guest.**



**The Hon'ble Chief Minister participated as Chief Guest and awarded Degrees in the Graduation Ceremony of Presidency College, Chennai on 05.07.2022.**



**The Hon'ble Prime Minister of India participated as Chief Guest and awarded Degrees in the Convocation function of Anna University, Chennai on 29.07.2022.**





**The Hon'ble Chief Minister distributed Appointment Orders to 1024 Lecturers selected in the prolonged vacant posts in Government Polytechnic Colleges on 28.09.2022.**



**The Hon'ble Chief Minister participated as Chief Guest and awarded Degrees in the Graduation Ceremony of Queen Mary's College, Chennai on 22.11.2022.**



**CONSTRUCTION OF MUTHAMIZH ARINGNAR KALAINGAR AUDITORIUM  
AT PRESIDENCY COLLEGE, CHENNAI IS UNDER PROGRESS.  
PROPOSED ELEVATION - ESTIMATED COST: Rs.63.00 CRORE**





**CONSTRUCTION OF NEW ACADEMIC BLOCK FOR CENTRAL POLYTECHNIC COLLEGES AT TARAMANI , CHENNAI IS UNDER PROGRESS.  
PROPOSED ELEVATION - ESTIMATED COST: Rs.49.52 CRORE**



**CONSTRUCTION OF NEW ACADEMIC BLOCK FOR  
BHARATHI COLLEGE OF WOMEN, CHENNAI IS UNDER PROGRESS.  
PROPOSED ELEVATION - ESTIMATED COST: Rs.25.00 CRORE**



**CONSTRUCTION OF GOVERNMENT ARTS AND SCIENCE COLLEGE BUILDING AT SANKARANKOIL, THENKASI DISTRICT IS UNDER PROGRESS.  
ESTIMATED COST: Rs.11.33 CRORE**



**CONSTRUCTION OF CLASSROOM BUILDING IN GOVERNMENT  
POLYTECHNIC COLLEGE AT COIMBATORE IS UNDER PROGRESS.  
ESTIMATED COST: Rs.8.50 CRORE**





**CONSTRUCTION OF EXTENSION OF FERE BLOCK IN ADMINISTRATIVE BUILDING IN MAIN CAMPUS ANNA UNIVERSITY, CHENNAI 600025  
PROPOSED ELEVATION - ESTIMATED COST: Rs.7.28 CRORE**



**ELEVATION OF PROPOSED GIRLS HOSTEL FOR PG STUDENTS AND RESEARCH SCHOLARS AT QUEEN MARY'S COLLEGE, CHENNAI . ESTIMATED COST: Rs.42.00 CRORE**



**ELEVATION OF PROPOSED MEN'S HOSTEL FOR  
UNIVERSITY OF MADRAS AT MARINA CAMPUS.  
ESTIMATED COST: Rs.28.05 CRORE**

