CONTENTS

POLICY NOTE

DEMAND NO.20–HIGHER EDUCATION

2019 – 20

1. INTRODUCTION

"Whatever seems to be the nature of anything,
wisdom lies in seeking to grasp its true Nature".
(Thirukkural 355)

1.1. VISION

Tamil Nadu Government aims transforming youth to create the most vibrant Knowledge Society, fostering access, equity, quality enhancement, excellence, global competencies, and innovation through Higher Education. The department formulates Policies to promote existing potential of human resources by producing high quality ethical skilled professionals in sufficient number and to make Tamil Nadu, a global hub for higher education.

1.1.1. Tamil Nadu State takes pride in having 13 State Universities, 829 Arts and Science Colleges, 718 Teacher Education Colleges, 585 Engineering Colleges,

520 Polytechnic, Hotel Management and Catering Colleges under the purview of higher education department.

1.2. EQUITY AND ACCESS

The Tamil Nadu Government is always on constant vigil to care for the poor first generation learners and aspiring youths, thereby introducing free education, stipend for Tamil medium students, conduct of special coaching, stipend to research (Ph.D) scholars, Community based special scholarships, free hostels, free bus pass, free laptops and encourages the youth to pursue Higher Education without any hindrance.

1.2.1. As per the All India Survey on Higher Education (AISHE, 2017-18) data, Tamil Nadu State has achieved a Gross Enrollment Ratio (GER) of 48.6 and Gender Parity Index of 0.98 which reflects the conducive environment for Higher Education. The Higher Education GER has been increased by 1.7% to 48.6. Tamil Nadu is in number one position among all States and almost double its value compared to All India Average of 25.8.

1.2.2. The Higher Educational Institutions are known for its excellence through National Institutional Ranking Framework (NIRF) introduced in 2016. For the year 2019, 21 Educational institutions from Tamil Nadu stood in the overall top 100 rank category. In the University Category, 21 Institutions came within the first 100 Universities, including 7 State Universities. 35 Institutions in the College Category, stood in the first 100 category, out of which, 6 are State Government Colleges (Presidency College, Chennai got All India 3rd Rank). In the Engineering Category, about 21 Institutions came in the first 1-100 category including Anna University which got all India 9th Rank.

1.2.3. More than 120 Memorandum of Understanding (MoU) were signed in the National, International and Industrial level to update their curriculum and to give relevant training as per the industrial need. Anna University has been granted 26 National patents and 10 International patents. The Scopus based h-index of the State Universities for the past five years are also high.

1.3. EXCELLENCE AND EXPANSION

Innovative and employable courses have been introduced in Universities viz., B.E. (Computer Science) in Big Data Analytics, Artificial Intelligence and Machine Learning, M.B.A. in Police Management and M.Sc. Criminal Justice & Victimology.

1.3.1. To commemorate the Birth Centenary Celebration of the late Hon'ble Chief Minister Bhart Ratna Puratchi Thalaivar Dr.M.G.R., the Hon'ble Chief Minister had announced on the floor of Assembly under Rule 110 of Tamil Nadu Legislative Assembly that new buildings will be constructed for Government Arts and Science Colleges at a cost of Rs.210 crore. These buildings will be named as "Bharat Ratna Puratchi Thalaivar   Dr. M.G.R. Centenary Buildings".

1.3.2. The Government of Tamil Nadu sanctioned a sum of Rs.60 lakh through Directorate of Technical Education (DOTE) under one time grant to Anna University to enhance the English Teaching skills for English Teachers

working in Engineering and Polytechnic Colleges in the State.

1.3.3. The Government has instituted **Dr.A.P.J. Abdul Kalam award** to be awarded every year by the Hon'ble Chief Minister on Independence Day to a person for their significant contribution in the field of development of Science, Humanities and the Welfare of Students. A cash award of Rs.5 lakhs, a Gold Medal and a citation have been given to the Dhaksha (UAV) Team, Centre for Aerospace Research, Anna University for the year 2018. The Government had sanctioned Rs.20 crore for development of Unmanned Aerial Vehicle (UAV).

1.3.4. Bharathiar University has excelled in Government of India's Digital Financial Literacy 'VISAKA' scheme and achieved Second Rank among Top Best 20 Institutions out of 4,896 Institutions in the Country.

1.3.5. Rashtriya Uchchatar Shiksha Abhiyan (RUSA)

Under RUSA Phase-2.0, the approval has been given for an amount of Rs.615.781 crore under various components. Alagappa University has been selected as one of the top 10 Universities in India and got approval for a special grant of Rs.100 crore for its overall development. It is heartening to note that Ministry of Human Resource Development (MHRD) has selected 6 Universities from Tamil Nadu (out of 20 Universities in the Country) for a grant of Rs.50 crore each for enhancing Research and Innovation.

1.4. EMPLOYABILITY

The Hon'ble Chief Minister Chaired a Industries-Academia interfacing Conference to enhance Skill sets and improve the employability and Entrepreneurial opportunities in the State. Over 200 engineering based companies/ Industries have visited the University Departments and recruited 3,576 UG on and off–campus students and 550 PG students with annual salary package ranging from Rs.3.50 to

Rs.39.00 lakh in the year 2018-19 in Anna University.

1.4.1. Annamalai University conducted Job Fair in March 2019. Over 55 Companies participated, about 1,596 students received placement. The Directorate of Collegiate Education conducted Job Fairs in Government/ Government Aided Arts and Science Colleges through Regional Offices. A total number of 13,790 students have been selected.

1.4.2. The Hon'ble Prime Minister inaugurated Entrepreneur Hub in 7 State Universities on 3rd February 2019. This Entrepreneur Hub will facilitate easy access of employability for the young graduates. Entrepreneur Hubs can enable the students to be JOB GIVERS than JOB SEEKERS.

1.4.3. All India Council for Technical Education (AICTE) has sanctioned Rs.35 lakh for implementing Pradhan Mantri Kaushal Vikas Yojana (PMKVY) scheme for skill development at BIT Campus, Anna University.

1.4.4. Centre of Excellence (CoE) has been established at MIT Campus of Anna University and 5 Technical Skill development Institutes (t-SDIs) Government/Aided Polytechnics have been established through Public Private Partnership (PPP) in collaboration with Siemens and Design Tech Ltd at a cost of Rs.546.84 crore with State Government contribution as Rs.54.68 crore through Tamil Nadu Skill Development Corporation Limited.

1.5. The Sustainable Development Goals (SDG) are ambitious goals that address the economic, social and environmental dimensions of development have been adopted by UN General Assembly.

Even before SDGs came into effect, Government of Tamil Nadu released Vision Tamil Nadu 2023 to achieve universal secondary education and more than 50% enrolment in Higher Education (comprising of vocational and college education) and provide best infrastructure to Higher education.

Targets in Higher Education under Sustainable Development Goal 4 aim to ensure

inclusive quality education and promote life long learning opportunities to all, is dealt by this Department. Schemes of the department are geared to ensure equal access for all women and men to affordable and quality technical, vocational and tertiary education, including Higher Education in Universities. There is special focus on eliminating gender disparities in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities.

The strategies are being developed to achieve the above targets and take Tamil Nadu to high altitudes in Higher Education both at National and International levels.

BUDGET ESTIMATE FOR THE YEAR
2019 - 20

Under Demand No.20 Higher Education, the Total Outlay: Rs.4584.21 crore.

S. No.	Head of Department	Amount Allotted (Rs. in crore)
1.	Secretariat	6.18
2.	Directorate of Collegiate Education	2651.36
3.	Directorate of Technical Education	1177.53
4.	Universities	633.79
5.	Tamil Nadu Archives	12.08
6.	Tamil Nadu State Council for Science and Technology	2.84
7.	Tamil Nadu Science and Technology Centre	4.57
8.	Science City	1.65
9.	Tamil Nadu State Council for Higher Education	94.06
10.	Tamil Nadu State Council for Technical Education	0.15
	Total	4584.21

ORGANOGRAM

CHIEF MINISTER

**MINISTER
(HIGHER EDUCATION)**

CHIEF SECRETARY

**PRINCIPAL SECRETARY
(HIGHER EDUCATION)**

DEPARTMENTS	UNIVERSITIES
DIRECTORATE OF TECHNICAL EDUCATION	UNIVERSITY OF MADRAS
DIRECTORATE OF COLLEGIATE EDUCATION	ANNAMALAI UNIVERSITY
TAMIL NADU ARCHIVES	MADURAI KAMARAJ UNIVERSITY
TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION	ANNA UNIVERSITY
STATE PROJECT DIRECTORATE OF RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA)	BHARATHIAR UNIVERSITY
SCIENCE CITY	BHARATHIDASAN UNIVERSITY
TAMILNADU SCIENCE AND TECHNOLOGY CENTRE	MOTHER TERESA WOMEN'S UNIVERSITY
TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY	ALAGAPPA UNIVERSITY
TAMIL NADU STATE URDU ACADEMY	MANONMANIAM SUNDARANAR UNIVERSITY
TAMIL NADU STATE COUNCIL FOR TECHNICAL EDUCATION	PERIYAR UNIVERSITY
	TAMIL NADU OPEN UNIVERSITY
	THIRUVALLUVAR UNIVERSITY
	TAMIL NADU TEACHERS' EDUCATION UNIVERSITY

2. TECHNICAL EDUCATION

2.1. With the twin objectives of providing multidisciplinary Engineering Education to cater to the diverse demand of industrial sectors and to foster Engineering students with high level of research and innovation capability, the Government is implementing many innovative schemes addressing all requisites in Technical Education.

The State of Tamil Nadu has emerged as one of the leading States in attracting both domestic and foreign industrial investments, which resulted in economic growth in manufacturing sector.

In order to maintain the steady growth of the manufacturing sectors, the Government is coming up with various plans from time to time to address the challenges in the field of Technical Education.

The Department of Technical Education manages the activities of 585 Engineering Colleges, 520 other Technical Institutions

offering Diploma level Programmes. The details are given below:

NUMBER OF TECHNICAL INSTITUTIONS IN TAMIL NADU (2018-19)					
Category	**Degree level Colleges**		**Diploma level Colleges**		**Total**
	Engineering	Architecture	Polytechnic Colleges	Hotel Management & Catering Institutes	
Government Colleges	10	-	51	-	61
Government Aided colleges	3	-	34	-	37
Self Financing Colleges	503	49	416	15	983
Affiliated type Colleges	-	-	4	-	4
Anna University Departments & Constituent Colleges	20	-	-	-	20
TOTAL	**585**		**520**		**1,105**

More than 1000 Technical Institutions in this State has made Tamil Nadu as a Human Resource Capital of the Country and a reliable supplier of skilled manpower to the global needs.

2.2. ACHIEVEMENTS AND INITIATIVES

Tamil Nadu is a Progressive State which is at the forefront of implementing many welfare schemes for the students. Main achievements of Students Welfare Schemes implemented during the period from the year 2011-12 to 2018-19 have been highlighted as follows:

- Establishment of 4 new Government Engineering Colleges and 21 new Government Polytechnic Colleges with a total expenditure of Rs.840.90 crore including Rs.98 crore for equipment, Rs.6.04 crore for hostel furniture and utensils, Rs.3.49 crore towards contingencies, Rs.733.38 crore for construction of buildings. 2,805 new posts have been created, in these Institutions.

- Establishment of an Indian Institute of Information Technology under N-PPP mode in Srirangam, Tiruchirappalli.

- Establishment of a Centre of Excellence and 5 Technical Skill development Institutes in collaboration with Siemens and Design Tech. Ltd under PPP mode.

- Continuance of students welfare schemes applicable for Engineering College students such as First Generation Graduate Tuition fee concession, Post Matric Scholarship to students belonging to SC, ST and SC converted into Christianity, Financial Assistance to economically weaker sections of students from Chief Minister's Public Relief fund, Post Graduate Assistantship at Rs.6,000 per month to PG students, Foreign Technical Training Programme for 100 students for 15 days every year, Technical Education Quality Improvement Programme (TEQIP) grant for Institutional development and Research activities, Concessional facilities to

Sri Lankan Tamil Refugee students on par with Tamil Nadu students.

- The Students welfare schemes applicable for Polytechnic College students such as Distribution of free of cost laptop computers, Free Text Book for first year Diploma students, Waiver of Tuition fee and free bus pass for all Diploma students, Post Matric Scholarship to students belonging to SC, ST and SC converted into Christianity.

2.2.1. Establishment of 10 New Government Polytechnic Colleges

5 Government Polytechnic Colleges were established during the academic year 2016-17 at Dr.Radha Krishnan Nagar (Chennai), Kadathur (Dharmapuri), Valangaiman (Thiruvarur), Ragunthapuram (Thanjavur) and Kelamangalam (Krishnagiri).

A total of 450 new teaching and non-teaching posts have been created for these Government Polytechnic Colleges. A sum of Rs.153.87 crore was sanctioned for construction of buildings,

purchase of equipments, computers, furniture, library Books and e-journals and other contingencies.

For welfare of students from economic backward areas, 5 more Government Polytechnic Colleges were opened in 2018-19 which include 3 Government Polytechnic Colleges newly established at Vanavasi (Salem), Sevvapet (Thiruvallur) and Kooduveli (Cuddalore) and conversion of 2 existing Co-operative Sugar Mills Polytechnic Colleges at Palacode in Dharmapuri District and Mohanur in Namakkal District into Government Polytechnic Colleges from the academic year 2018-19.

A total of 310 new teaching and non-teaching posts have been created for these 5 Government Polytechnic Colleges. A sum of Rs.80.41 crore was sanctioned towards the construction of buildings, purchase of equipments, computers, furniture, library Books and e-journals and other contingencies as per the break-up details given below:

POSTS AND FUND SANCTIONED FOR 5 GOVERNMENT POLYTECHNIC COLLEGES ESTABLISHED DURING 2018-19							
Government Polytechnic Colleges	Post sanctioned			Funds Released (Rs. in lakh)			
	Teaching	Non Teaching	Total	Building	Equipments	Contingencies	Total
Vanavasi (Salem)	18	43	61	3200	50	-	3250.00
Sevvappet (Thiruvallur)	15	22	37	2300	50	20.50	2370.50
Kooduveli (Cuddalore)	15	22	37	2300	50	20.50	2370.50
Palacode (Dharmapuri)	43	44	87	-	50	-	50.00
Mohanur (Namakkal)	45	43	88	-	-	-	-
Total	136	174	310	7800	200	41.00	8041.00

All these institutions established during 2018-19 have been granted Extension of Approval for ensuing second academic year 2019-20 by the AICTE.

2.2.2. Construction of additional students Hostels in 6 Government Engineering Colleges at a total cost of Rs.37 crore

The Government is taking every effort to improve the Enrolment Ratio in Technical Education and as part of this, an announcement was made by the Hon'ble Chief Minister in the Tamil Nadu Legislative Assembly under Rule 110 during 2018 for construction of additional Hostel Buildings in 6 Government Engineering Colleges at Bargur, Coimbatore, Karaikudi, Salem, Tirunelveli and Vellore at an estimated cost of Rs.37 crore.

The above additional hostel building consists of 50 triple rooms with an accommodation capacity of around 150 students in each hostel. The Government accorded Administrative and Financial Sanction for a sum of Rs.36.58 crore. The construction works is in progress in all the above 6 Engineering Colleges.

2.2.3. Indian Institute of Information Technology (IIIT), Srirangam, Tiruchirappalli District

Indian Institute of Information Technology (IIIT), Srirangam, Tiruchirappalli District is an Autonomous Institute, set up by Government of India (MHRD), Government of Tamil Nadu and Industry Partners on a Not-for-profit Public Private Partnership (N-PPP) mode with the main objective of addressing the skilled manpower requirement in the field of Information Technology and related areas.

The above institute has been set up at a total cost of Rs.128 crore with 50% contribution by Government of India (Rs.64 crore), 35% by State Government (Rs.44.80 crore) and 15% by Industry Partners (Rs.19.20 crore) during the year 2013-14.

The six Industry Partners are 1) Navitas LLP (formerly TAKE Solutions Ltd), 2) M/s CTS (India) Private Ltd, 3) M/s Pratiksha Infosys Ltd, 4) M/s Tata Consultancy Services Ltd, 5) M/s Ramco Systems Chennai and 6) M/s ELCOT.

The Government ordered for transfer of land measuring 56.37 acres classified as Assessed waste dry land to Technical Education Department for establishment of IIIT, Srirangam, Tiruchirappalli and subsequently transferring the said land from Department of Technical Education to Indian Institute of Information Technology Society, Srirangam on 10.10.2017. The Government of India has appointed a full time Director for IIIT, Tiruchirappalli during March 2019.

2.3. NEW UG AND PG DEGREE COURSES STARTED IN GOVERNMENT ENGINEERING COLLEGES

To motivate students in Technical Education to aspire in research, the Government is encouraging them to pursue PG programs. 2 UG Courses and 6 PG courses have been started in four Government Colleges as per the details given below:

Year of Establishment	Government Engineering Colleges	UG / PG	Name of the Course	Intake	Non Recurring Fund sanctioned (Rs. in lakh)	Posts created
2017-18	GCE, Bargur	PG	Applied Electronics	18	75.00	3
		PG	Computer Science and Engineering	18	75.00	3
		PG	Power Electronics & Drives	18	75.00	3
2017-18	GCE, Tirunelveli	PG	Structural Engineering	18	-	3
		PG	Communication Systems	18	-	3
2018-19	TPGIT, Vellore	UG	Electrical & Electronics	60	41.00	17
		UG	Computer Science and Engineering	60		
2019-20	GCE, Salem	PG	Communication System	18	-	3
GRAND TOTAL				**228**	**266.00**	**35**

Approval for starting of all the above UG and PG courses has been obtained from the All India Council for Technical Education (AICTE).

2.4. APPOINTMENT OF TEACHING STAFF THROUGH TEACHERS RECRUITMENT BOARD (TRB)

At present, there are 10 Government Engineering Colleges and 51 Government Polytechnic Colleges functioning in Tamil Nadu. A total of 341 Assistant Professors in Government Engineering Colleges have been appointed through Teachers Recruitment Board (TRB) during the period from 2011-12 to 2018-19 including 190 Assistant Professors appointed during the years 2017 and 2018.

During the same period from 2011-12 to 2018-19, a total of 137 Lecturers have been appointed in Government Polytechnic Colleges through Teachers Recruitment Board (TRB). Necessary steps are being taken to fill up 1,058 Lecturer Posts in Government Polytechnic Colleges through Teachers Recruitment Board.

2.5. DEPLOYMENT OF SURPLUS TEACHING AND NON-TEACHING STAFF OF ANNAMALAI UNIVERSITY

To address the issue of vacancies in Government Technical Institutions, a total of

387 Teaching faculty, 376 Administrative Staff & Basic Servants and 121 Technical Supporting Staff considered as surplus staff at Annamalai University have been deployed for a period of 3 years on agreement basis as per the details given below:

FACULTY AND STAFF DEPLOYED FROM ANNAMALAI UNIVERSITY									
Year	Teaching faculty			Administrative staff			Technical staff		
	Assistant Professor	Lecturer	Physical Director	Administrative Staff(80 No.) & Basic servants (296 No.)			Technical Supporting staff		
	Engg. colleges	Polytechnics	Polytechnics	Engg. colleges	Polytechnics	PWD (TED & TC)	Engg colleges	Polytechnics	PWD (TED & TC)
2017	86	211	40	376			-	-	-
2018	-	16	-	-	-	-	-	-	-
2019	27	7	-	-	-	-	-	121	-
Total	387			376			121		

2.6. DISTRIBUTION OF FREE OF COST LAPTOPS

The distribution of free of cost Laptop Computers to the students was introduced during the year 2011-12 by the Government of Tamil Nadu to encourage the students to acquire better computing skills and get more benefit out of available e-resources for their studies. As on date, a total of 1,84,486 free of cost Laptop Computers have been distributed from the year 2011-12 to the students of Government and Government aided Engineering and Polytechnic Colleges under the control of Technical Education Department.

2.7. DISTRIBUTION OF FREE TEXT BOOKS FOR FIRST YEAR DIPLOMA STUDENTS

In order to help and encourage the poor students hailing from weaker sections of the society to pursue their Technical Education without any hardships, free Text Books are being distributed from the year 2012-13 to the students studying in first year Diploma Courses in Government Polytechnic Colleges.

27,459 students have been benefitted out of this scheme at a total cost of Rs. 54.96 lakh during past two years as per the details given below:

Academic Year	Students benefitted (Numbers)	Amount sanctioned (Rs. in lakh)
2017-18	12,853	30.16
2018-19	14,606	24.80
Total	27,459	54.96

2.8. WAIVER OF TUITION FEE AND ISSUE OF FREE BUS PASS TO ALL STUDENTS STUDYING IN GOVERNMENT POLYTECHNIC COLLEGES

In order to reduce the financial burden of the students and their parents, the facility of Tuition fee waiver of Rs.2,500 per year and free bus pass facilities are provided to all the students studying in all Government Polytechnic Colleges in Tamil Nadu.

93,532 students have been benefitted out of Tuition fee waiver scheme and same students

have also been benefitted under free Bus Pass facilities during the academic years 2017-18 and 2018-19 as per the details given below:

Academic Year	Students benefitted
2017-18	46,707
2018-19	46,825
Total	**93,532**

2.9. FIRST GENERATION GRADUATE TUITION FEE CONCESSION FOR ALL ENGINEERING COLLEGE STUDENTS

The Government have taken several initiatives to enable students from all sections of society to go for Professional courses. One such initiative is tuition fee concession to First Generation Graduate students admitted in First Year and Direct Second Year in all Engineering Colleges in the State through Single Window Counseling.

The First Generation Graduate Tuition fee concession currently applicable per annum are as follows:

SL.No.	Engineering Colleges	Category	Amount / Year (in rupees)
FIRST GENERATION GRADUATE TUITION FEE CONCESSION CURRENTLY APPLICABLE PER ANNUM			
1	Government	Government	2,000
2	Government Aided	Government Aided	4,000
		Self Financing	25,000
3	Self Financing	Non-Accredited	25,000
		Accredited	27,500
4	Anna University	Non Self Financing	8,000
		Self Financing	15,000
5	Central Electro Chemical Research Institute (CECRI), Karaikudi	Govt. of India	15,000

Under this scheme, a sum of Rs.837.25 crore was disbursed through Electronic Clearing Systems (ECS) to 4,08,664

First generation graduate students as per the details given below:

Academic Year	Number of Students benefitted	Amount sanctioned (Rs. in crore)
2017-18	2,17,396	434.56
2018-19	1,91,268	402.69
Total	**4,08,664**	**837.25**

2.10. POST MATRIC SCHOLARSHIP SCHEME

From the year 2011-12 onwards, both Central and State Government are jointly implementing the Post Matric Scholarship Scheme with sole objective to uplift the socially backward students in Tamil Nadu. Under this scheme, all compulsory and non-refundable fees fixed by the Fee Fixation Committee, are paid for the students admitted under the Government Quota in Self Financing Institutions (including minority institutions). This scheme is applicable for students belonging to SC, ST and SC converted into Christianity but whose parental income does not exceed Rs 2.50 lakh per annum. The Directorate of Technical Education is co-ordinating with Adi Dravidar and Tribal

Welfare Department for implementing the Scheme from the year 2013-14.

Under this scheme, a sum of Rs.830.18 crore was disbursed to 1,30,313 eligible Engineering College students and Rs.255.83 crore was disbursed to 74,113 eligible Polytechnic College students during the academic year 2017-18.

2.11. FINANCIAL ASSISTANCE TO ECONOMICALLY WEAKER STUDENTS STUDYING B.E / B.TECH FROM CHIEF MINISTER'S PUBLIC RELIEF FUND

The Government has enhanced the financial assistance from Rs.25,000 to Rs.50,000 per student from the year 2017-18 onwards. During the year 2017-18, a sum of Rs.3.00 lakh was disbursed to 6 students and during the year 2018-19, a sum of Rs.3.50 lakh to 7 students from the Chief Minister's Public Relief Fund.

The students benefitted under the First Generation Graduate Tuition fee concession are also eligible to apply for the assistance.

2.12. POST GRADUATE ASSISTANTSHIP TO THE P.G STUDENTS STUDYING IN GOVERNMENT ENGINEERING COLLEGES

In order to encourage the bright students to opt for the Teaching profession and Research and Scaling-up Post Graduate Education, demand-driven Research & Development and Innovation, an Announcement was made by the Hon'ble Minister for Higher Education on 15.6.2017 in the Tamil Nadu Legislative Assembly to give PG Stipend to the Post Graduate students studying in Government Engineering Colleges at Rs. 6,000 per month.

Based on the above Announcement, the Government sanctioned necessary funds and disbursed Rs.8.532 crore to 1,185 eligible PG students during past two years.

2.13 FOREIGN TECHNICAL TRAINING PROGRAMME FOR 100 GOVERNMENT ENGINEERING COLLEGE STUDENTS FOR 15 DAYS EVERY YEAR

The then Hon'ble Chief Minister announced in the Tamil Nadu Legislative Assembly on

23-08-2016 under Rule 110 of the Assembly that 100 students from Government Engineering Colleges in Tamil Nadu will be permitted to go for Technical Training programme in Universities and Technical Institutions in foreign Countries for 15 days every year at an estimated cost of Rs.1.50 crore.

Under this Scheme, first batch of 92 students and 8 faculty visited Technical Institutions and Universities in Spain, Taiwan, Japan and Malaysia for 15 days during the year 2016-17. Before the students leaving India for the above foreign trip, they met the Hon'ble Chief Minister on 04-07-2017 and conveyed their sincere thanks to him for having given such an opportunity to the Engineering College students for the first time.

During the year 2017-18, second batch of 99 students and 5 faculty visited Universities and Technical Institutions in Australia, Germany and Japan for 15 days. After visiting the Countries, the young budding Engineers felt that they visited the places to which they have never

seen before and it was Technical eye opening experience for them.

2.14. TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME(TEQIP)

TEQIP is a World Bank Funded Project being implemented by MHRD, Government of India. The First Phase (TEQIP-I) of the Programme was implemented in 11 Technical Institutions during 2004-2009. A total of Rs.96.50 crore was allotted under this programme for upgradation of infrastructure facilities.

The Second Phase (TEQIP-II) of the Programme was implemented in 9 institutions including 4 Government Engineering Colleges 3 Government Aided Engineering Colleges and 2 University Department / Constituent Colleges and a sum of Rs. 142.12 crore was allotted for various developmental activities. The following 7 Government and Government Aided Technical Institutions which performed well in TEQIP Phase-II, have been selected under TEQIP-III as Mentor Institutions to guide the following 8 Mentee institutions in other States through Twinning arrangement:

No.	Mentor Institutions in Tamil Nadu	Mentee Institutions in other States
1.	Government College of Technology, Coimbatore	Government Engineering College, Jagdalpur, Chhattisgarh
		National Institute of Technology, Arunachal Pradesh
2.	Government College of Engineering, Salem	Government Engineering College, Raipur, Chhattisgarh
3.	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi	University College of Engineering and Technology (UCET), Vinoba Bhabe University, Hazaribagh, Jharkhand
4.	Thiagarajar College of Engineering, Madurai	Hacourt Buttler Technical University (Formerly HBTI), Kanpur, Uttar Pradesh
5.	PSG College of Technology, Coimbatore	Assam Engineering College, Kamrup, Assam
6.	Coimbatore Institute of Technology, Coimbatore	MBM Engineering College, Jodhpur, Rajasthan
7.	Government College of Engineering, Bargur	Bineswar Brahma Engineering College, Kokrajhar, Assam.

The above 7 Mentor institutions are entitled to receive a grant of Rs.7 crore each under TEQIP-III during the Project period 2017-18 to 2020-21. Out of total grant of Rs.49 crore received for the 7 Mentor Institutions in Tamil Nadu, a sum of Rs.21.86 crore has been utilized as on date. The benefits and achievements of institutions under TEQIP-III are as follows:

- **TRAINING AT FREE OF COST**
  Internship Training, GATE coaching, Employability Skill Training have been provided at free of cost to all the students studying in TEQIP-III institutions from the TEQIP fund.

- **NATIONAL INSTITUTE OF RANKING FRAMEWORK (NIRF)**
  Four Government and Government Aided TEQIP-III institutions have improved.

- **SMART INDIA HACKATHON PROGRAMME**
  A team from Government College of Technology, Coimbatore received the Inspiration and Innovation award under the Smart India Hackathon Programme 2018.

- **RESEARCH PROPOSALS**
  44 Research Proposals were submitted by the Mentee Institutions in collaboration with the respective Mentor Institutions. Among which 16 proposals are selected.

- **RESEARCH ASSISTANTSHIP** Research Assistantship is given to all Ph.D scholars in all TEQIP-III institutions from TEQIP fund.

2.15. TAMIL NADU ENGINEERING ADMISSION (TNEA) THROUGH SINGLE WINDOW ONLINE COUNSELLING BY DIRECTORATE OF TECHNICAL EDUCATION FROM 2019-20

The Government introduced a Single Window Counselling for Engineering Admissions to facilitate students to get admitted in a College of their choice based on the XII Board marks using a common application. The Government ordered to conduct Online counselling through TNEA by Anna University during the academic year 2018-19 to avoid vacant seats in leading institutions due to movement of admitted students and also avoid hardship to students and parents in travelling all the way to Chennai.

Subsequently, the Government notified that the Director of Technical Education as appropriate authority for admission to every Government seat in Engineering Institutions

from the year 2019-20, in order to improve the co-ordination between the Tamil Nadu Engineering Admissions Facilitation Centres (TFCs) at District level and Nodal agency. Online Registration for Engineering Admission for the year 2019-20, started successfully by Directorate of Technical Education from 02-05-2019. Out of 1,33,116 students were registered their applications through online, 1,03,150 are found to be eligible for participation in the counselling.

To guide the students to register online application and for verification of certificates, 46 TFCs have been setup covering all the 32 Districts in the State with atleast 1 centre in each District to assist the students. A common application is required to seek admission to Government and Government Aided Engineering Colleges, University Departments and Constituent Colleges of Anna University, Annamalai University and for the seats surrendered by Self Financing Engineering Colleges in Tamil Nadu under Unified Single Window Admission System.

A candidate needs to register only one online application for all the courses / colleges / Institutions mentioned above irrespective of the category. Candidates seeking admission under special reservation should also give their option for Special Reservation category along with the main online application.

Applicants for admission to First Year B.E/B.Tech have been instructed strictly to ensure that all online counselling activities like application registration, making payment, adding choices, locking choices, tentative allotment, submission of allotment option are performed at the official TNEA Web Portals (www.tneaonline.in or www.tndte.gov.in) only.

The percentage of Government Quota in total seats for various categories of Institutions/ courses under Unified Single Window Admission system are furnished below:

Engineering Colleges	Details of all courses	Government Quota (Percentage)
Government Colleges	All courses	100
Government Aided Colleges	Government Aided Courses	100
	Self-Supporting Courses	70
Self Financing Colleges	Non-minority	65
	Minority	50

Admissions to M.B.A. / M.C.A. / M.E. / M.Tech. / M.Arch. / M.Plan Degree Programmes for the academic year 2019–20 will be done under the existing Single Window Admission process, as done in the previous years, based on the marks obtained in Tamil Nadu Common Entrance Test 2019 (TANCET 2019) conducted by Anna University, Chennai on behalf of the State Government.

2.16. FACILITIES EXTENDED TO SRILANKAN TAMIL REFUGEE STUDENTS

The Sri Lankan Tamil refugee students staying in Tamil Nadu have been permitted to participate in the counselling for admission to B.E./B.Tech. and Post Graduate courses, M.B.A./M.Tech./M.Arch./M.Plan. from the academic year 2011-2012 onwards.

Tuition fee concession granted to the First Generation Graduate students selected for professional courses through Single Window Counselling in Tamil Nadu, has been extended to the eligible Sri Lankan Tamil refugee students and 268 students have benefitted from the academic year 2011-12 to 2018-19.

2.17. ESTABLISHMENT OF CENTRE OF EXCELLENCE AND 5 TECHNICAL INSTITUTES

The Government in Labour and Employment Department ordered to establish a Centre of Excellence through Tamil Nadu Skill Development Corporation (TNSDC) in Madras Institute of Technology (MIT) campus of Anna University and 5 Technical Skill Development Institutes at Vellore, Kanchipuram, Villupuram, Chennai-Avadi and Chennai-Tharamani under Public Private Partnership (PPP) mode in collaboration with M/s. Siemens and Design Tech. Ltd at an outlay of Rs.546.84 crore with State Government contribution of Rs.54.68 crore.

The above institutes provide skill training in advanced technology to students studying in Engineering and Polytechnic colleges to increase the employability, to train the students in tune with the latest industry requirements and to bridge the gap between skills of students and skills expected by industries.

The Centre of Excellence and 5 Technical Skill Development Institutes were inaugurated by the

Hon'ble Chief Minister on 10-10-2018 and the same are functioning to offer advanced skill training to the students.

The Centre of Excellence at MIT, Chennai has 14 Laboratories whereas 5 Technical Skill Development Institutes at other places have 6 Laboratories in each institute. In the 6 centres, 3,058 students have been given skill development training and another 2,238 students are undergoing skill development training.

2.18. e-LEARNING VIDEO MODULES UPLOADED IN YouTube BY DIRECTORATE OF TECHNICAL EDUCATION FOR THE BENEFIT OF DIPLOMA STUDENTS

e-learning video module prepared by experienced teachers in YouTube play a vital role to facilitate all the Diploma students especially from rural areas to learn their Diploma subjects at anytime and anywhere.

Hence, in the Tamil Nadu Legislative Assembly on 15.06.2017, the Hon'ble Minister for Higher Education has made an announcement regarding production of

e-Learning Video Modules for the Diploma students of Government Polytechnic Colleges. Accordingly, the Government sanctioned Rs.58 lakh towards the cost of preparation of 720 e-learning video modules at Rs. 8,000 each. All the 720 Video modules have been prepared with the support of the experienced faculty having expertise knowledge in the subjects concerned. All these Video modules have been uploaded in the YouTube and made available for the beneficial use of the students. A link is also created for viewing the above video modules in the DOTE Website by the students. The faculty also got benefitted with the above Video modules to enhance their Teaching Learning process.

2.19. INTERACTION MEET ON ENHANCING SKILLS, EMPLOYABILITY & PLACEMENT OPPORTUNITIES FOR ENGINEERING GRADUATES

The numbers of students graduating from Engineering Colleges is growing. Some of them either remain unemployed or take up jobs that are not related to their field. To understand the reasons on expectations and their challenges of

the modern industries and to enhance the placement opportunities among the Engineering Graduates studying in the State, a meeting of Stakeholders was organized on 10.09.2018 in Secretariat, Chennai under the Chairmanship of Hon'ble Chief Minister.

The Government Officials of various Department, Industrialists, Chief Executive Officers of various reputed Engineering and Software industries and Principals and Chairman of various Engineering Colleges in Tamil Nadu participated in the above Meet and gave valuable inputs and suggestions for enhancing the skills, employability and placement opportunities among the Engineering graduates. The Placement cell in Government and Government Aided Institutions organize number of soft skill and other training programs to make the students ready for campus recruitment.

2.20. ESTABLISHMENT OF FACULTY TRAINING CENTRE AT GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE

Training for faculty is felt very much essential not only to update their knowledge but

also fulfill their Career Advancement Scheme. Teaching faculty working in Government Engineering and Polytechnic Colleges require customized Training to update their knowledge in their area of specialization and subjects they are handling in the institution for their students. To enhance the Teaching skills of the faculty, a Faculty Training Centre was established at Government College of Technology, Coimbatore under Self Sufficiency Scheme at a total cost of Rs. 9.00 crore.

A sum of Rs.3 crore was contributed by TIDCO towards 1/3rd Public contribution and Rs.6 crore was contributed by the Directorate of Rural Development and Panchayat Raj, Chennai towards 2/3rd Government Grant for construction of buildings under Self Sufficiency Scheme.

During the year 2018-19, Rs.1 crore towards Recurring Expenditure and Rs.88.50 lakh as Non Recurring Expenditure was sanctioned to the above Training Centre. 3 teaching and 6 non-teaching posts were also created.

2.21 TRAINING PROGRAMME FOR ENHANCING THE ENGLISH TEACHING SKILLS FOR ENGLISH TEACHERS IN ENGINEERING AND POLYTECHNIC COLLEGES

In the global economy, an engineering student must possess good English communication skills to express his ideas and knowledge and to get a placement in good Organizations. Ability to communicate effectively plays a vital role. This necessitates their English Teaching faculty to be trained on the pedagogy in teaching English Language. During the Budget session 2018-19, the Hon'ble Minister for Higher Education has made an Announcement on 30.05.2018 in the Tamil Nadu Legislative Assembly regarding Training Programme for enhancing the English Teaching skills for English Teachers working in Government, Government Aided and Self Financing Engineering Colleges and Polytechnic Colleges in the State at an estimated cost of Rs. 60 lakh. Based on the Announcement, Government accorded financial sanction for Rs. 60 lakh for organizing the above Training.

50 English Teaching faculty have been trained on Innovative Pedagogical methods to

44

make them as a Resource Person to train more than 2,000 English faculty in Engineering and Polytechnic Colleges in this State. The District Level training was conducted as a one week intensive Training Programme at Anna University by the Expert Master Trainers from various States of this Country. The District level training programme has already been initiated through the above trained 50 Resource Persons covering Chennai, Kanchipuram, Vellore and Villupuram. The total number of teachers trained as on date is 280 and the training process is in progress in other parts of the State.

2.22. ALL INDIA BASED NIRF RANKING OF HIGHER EDUCATIONAL INSTITUTIONS BY MHRD, GOVERNMENT OF INDIA

Out of 13 Government and Government Aided Engineering Colleges, 4 colleges including Government College of Technology, PSG College of Technology and Coimbatore Institute of Technology at Coimbatore and Thiagarajar College of Engineering, Madurai have achieved All India based NIRF Ranking within 100 during the years 2018 and 2019 consecutively. It is

also important to note that Government College of Technology, Coimbatore has achieved the 90th Position during 2019 from its existing 93rd position during 2018. The above premier institutions have been awarded during the INDIA RANKINGS 2019 Award ceremony function held at Vigyan Bhawan, New Delhi.

2.23. GOVERNMENT ENGINEERING COLLEGES ACCREDITED BY NBA & NAAC AND CONFERRED AUTONOMOUS STATUS BY UGC

Accreditation status is important for any Technical institution to achieve international recognition for the institution, to facilitate better placement to the students and ensure better infrastructural facilities and better academic performance. It also helps to get funding support from donors / organizations. Accreditation of institution is mandatory to get academic autonomous status from UGC.

Out of 10 Government Engineering Colleges, 4 Colleges at Coimbatore, Salem, Bargur and Vellore have been accredited by National Board

of Accreditation (NBA)/National Assessment and Accreditation Council (NAAC).

University Grants Commission (UGC) confers autonomous status only to institutions having atleast 10 years of existence and also accredited either by NBA or NAAC. 3 Government Engineering Colleges at Coimbatore, Salem and Bargur are granted academic autonomous status by the UGC.

2.24. ESTABLISHMENT OF VIDEO CONFERENCING CENTRE AT THE DIRECTORATE OF TECHNICAL EDUCATION

In order to meet the growing educational requirements for expertise knowledge in specialized subjects where teaching experts are not adequate, lectures can be delivered through Video Conferencing by eminent professionals in various Engineering Disciplines for the benefit of students in Tamil Nadu.

Based on the Announcement made in the Assembly, in 2016, the Government sanctioned Rs.1.19 crore in two phases for establishment of

a Video Conferencing centre at DOTE. Orders for the Video Conferencing Equipment are placed with ELCOT and the same will be installed and put into use during this academic year 2019-20.

2.25. PROCUREMENT THROUGH e-PROCUREMENT SYSTEM / GeM IN TECHNICAL INSTITUTIONS

All Heads of the Institution under the control of DOTE are instructed to purchase the Equipments, Furniture, Consumables etc., required for their institutions through Government e-Procurement System adhering to the norms of the "The Tamil Nadu Transparency in Tenders Act 1998". Adequate Training was also provided through National Informatics Centre (NIC) to the faculty and staff concerned to make them fully comfortable and accustom with Government e-Procurement System. This Department has purchased for Rs.58.32 lakh through e-Procurement system and for Rs.12 lakh through GeM for the first time during the financial year 2018-19.

2.26. ROLE OF TECHNICAL EDUCATION IN GLOBAL INVESTORS MEET 2019 (GIM 2019)

To maintain the State's position as one of the most preferred investment destination, the State Government organized GIM 2019 on 23rd and 24th January 2019 at Chennai. This Meet had a focused endeavor to realize the State's vision of inclusive growth through Investment inflows, Employment generation and Environmentally sustainable long term Projects.

27 Self-Financing Engineering Colleges / Polytechnic Colleges have signed MoU during the above meet promising to make an investment of Rs.239.43 crore. It is expected that around 2,000 persons will be benefitted through direct and indirect employment.

2.27. ACHIEVEMENT OF BEST SKILL TRAINING PROVIDER AWARD IN APPAREL, CONSTRUCTION AND AUTOMOTIVE SECTORS

The Technical Education Department in collaboration with Tamil Nadu Skill Development Corporation (TNSDC) offered skill Training to

2,760 candidates in 20 different Trades through 30 Polytechnic Colleges. The training was conducted in batches of 3 to 6 months duration. More than 80% of the trained youth were placed in different firms.

The Directorate of Technical Education has been awarded as Best Skill Training Provider in the categories of Apparel sector, Construction sector and Automotive sector and awarded two first prizes of Rs.20,000 each in the category of Apparel sector and Construction sector and one second prize of Rs.10,000 in the category of Automotive sector.

3. COLLEGIATE EDUCATION

Directorate of Collegiate Education was formed in the year 1965 with a view to administer Collegiate Education exclusively by bifurcating the erstwhile Directorate of Public Instructions into Directorate of School Education and Directorate of Collegiate Education. The State is very keen in making Tamil Nadu the most advanced State in the field of Higher Education by introducing advanced Scientific and Technological measures in all the streams of Higher Education. The aim of the Department is to develop, recognize and enhance talent and skills in our youth to meet emerging challenges in the society.

Presently, 1,547 Colleges are functioning under the administrative control of the Directorate of Collegiate Education.

Type of College	Government Colleges	Government Aided Colleges	Self Financing Colleges	Total
Arts and Science Colleges	105	139	541	**785**
Physical Education Colleges	-	3	8	**11**
Oriental Colleges	-	4	-	**4**
School of Social Work	-	2	-	**2**
Colleges of Education	7	14	697	**718**
University Constituent Colleges	27	-	-	**27**
Total	**139**	**162**	**1246**	**1547**

3.1. ESTABLISHMENT OF NEW GOVERNMENT ARTS AND SCIENCE COLLEGES

To enable easy access to Higher Education and to pursue courses of their choice, the Government have established 18 new Colleges from 2013-14 to 2015-16. From 2016-17 to

2018-19, 11 new colleges have been started in the following places:

Academic Year	No. of New Government Arts and Science Colleges	Place and District
2016 –17	3	Mettupalayam - Coimbatore
		Perumbakkam - Kancheepuram
		Avinashi - Tirupur
2017 –18	8	Kattumannarkoil - Cuddalore
		Kudavasal - Thiruvaur
		Villupuram - Villupuram (Women)
		Sirkazhi - Nagapattinam
		Thittamalai - Erode
		Madhanur - Vellore
		Palladam - Tirupur
		Palacode - Dharmapuri

3.2. ESTABLISHMENT OF NEW GOVERNMENT ARTS AND SCIENCE COLLEGE IN THE NAME OF FORMER PRESIDENT OF INDIA, DR. A.P.J. ABDUL KALAM.

The Hon'ble Deputy Chief Minister during the Budget Speech for the year 2019-20 on 8.02.2019 has announced that an Arts and

Science College in the name of former President of India, Dr. A.P.J. Abdul Kalam will be established during 2019-20 in Rameshwaram. Accordingly, action is being taken to establish the college in this year at a cost of Rs.12.58 crore.

3.3. INTRODUCTION OF NEW COURSES IN GOVERNMENT COLLEGES

There has been an increasing demand for additional new courses in Government Arts and Science Colleges both in UG and PG streams. Hence, from the year 2011-12 to 2016-17, the Government have started 961 new courses and sanctioned 1,934 Posts. During last two years, 535 new courses were introduced and 793 posts were sanctioned by the Government.

Academic year	No. of New Courses Introduced	Sanctioned Posts
2017-18	271	533
2018-19	264	260
Total	**535**	**793**

3.4. APPOINTMENT/REDEPLOYMENT OF TEACHING AND NON TEACHING STAFF IN GOVERNMENT COLLEGES

During the year 2015-16, 1,013 Assistant Professors have been recruited through Teachers Recruitment Board, 201 Non-teaching staff have been recruited through Tamil Nadu Public Service Commission(TNPSC) during past two years. Further, the Teachers Recruitment Board is in the process of recruiting 2,334 Assistant Professors in Government Arts and Science Colleges. In order to productively utilize the surplus staff available at Annamalai University, 698 Assistant Professors and 95 Non-Teaching Staff have been redeployed to various Government Colleges on agreement basis for three years.

3.4.1. Guest Lecturers in Government Colleges

The Shift System introduced by the Government for the welfare of the poor students in Government Arts and Science Colleges is being continued every year. During the last two academic years, the Government have

sanctioned 2,423 posts of Guest Lecturers for Government Arts and Science Colleges under Shift-I system to handle the classes till these vacancies are filled through Teachers Recruitment Board. Further, the Government have also sanctioned 1,661 Guest Lecturers under the shift II system and accorded allotment for the remuneration to both Shift I & II Guest Lecturers and they are being paid Rs.15,000 per month as remuneration.

3.5. FREE EDUCATION

In the interest and welfare of students, who come from the weaker sections of the society and to encourage them to continue higher education, all Government Arts and Science Colleges provide free education upto post Graduate level. In Government Aided Arts and Science Colleges, this scheme has been extended upto Under Graduate level. The beneficiaries are:

2017-18	:	4,95,578
2018-19	:	4,96,599
Total	**:**	**9,92,177**

3.6. FREE BUS PASS TO THE COLLEGE STUDENTS

A scheme to provide free bus passes to all the students of Government Arts and Science Colleges and Colleges of Education is being implemented every year. Number of students benefitted under this scheme are as follows:

2017-18	:	1,80,496
2018-19	:	1,81,398
Total	**:**	**3,61,894**

3.7. JOB FAIR

Job Fairs have been conducted in the Government / Government Aided Colleges in the regions of the Directorate of Collegiate Education. Such fairs brought many leading companies to recruit students. A total number of 13,790 students have been selected through these job fairs. Details are as follows:

2017-18	:	6,825
2018-19	:	6,965
Total	**:**	**13,790**

3.8. STIPEND FOR TAMIL MEDIUM STUDENTS

In order to encourage the students who are studying in Tamil Medium in Government and Government Aided Arts and Science Colleges, the Government have awarded stipend. During the year 2018-19, the Government have enhanced Tamil Medium student's stipend from Rs.400 to Rs.900 per annum and 40,367 students have been benefitted.

3.9. CONDUCT OF SPECIAL COACHING

Students studying in Government Arts and Science Colleges particularly in rural areas belonging to SC/ST and MBC communities, find it difficult to get through the University examination in English, Mathematics and Science subjects. To make them fully conversant with these subjects, special coaching is given by way of remedial classes beyond the class hours and also during weekends. Number of students benefitted through this special coaching are as follows:

2017-18	:	9,695
2018-19	:	12,045
Total	**:**	**21,740**

3.10. STIPEND TO RESEARCH (Ph.D) SCHOLARS SCHEME

To encourage Research culture in Government and Government Aided Arts and Science Colleges, the Scheme of "Stipend to Research Scholars" is being implemented by the Directorate of Collegiate Education. During the year 2018-19, the Government have enhanced the Research Scholars Stipend from Rs.36,000 per annum to Rs.60,000 per annum. The beneficiaries are:

Academic Year	Expenditure (Rs. in lakh)	Number of Students benefitted
2017-18	51.12	142
2018-19	60.48	128
Total	111.60	270

3.11. POST MATRIC SCHOLARSHIPS SCHEME

Post Matric Scholarships Scheme is implemented for the benefit of the Students of Adi Dravidar / Tribal / Adi Dravidar converted Christian communities studying in Self-Financing Arts, Science and Education Colleges. Tuition fee is being paid by the Government to Colleges

directly on behalf of the above college students. Details of beneficiaries of this scheme are as follows:

Year	Type of College	Expenditure (Rs. in crore)	Number of Students Benefitted
2017-18	Arts and Science	61.28	1,91,945
	B.Ed.	17.61	26,172
	M.Ed.	2.85	4,414
Total		**81.74**	**2,22,531**

3.12. PURCHASE OF DUSTBINS

In order to maintain college campuses clean and green, the Government have sanctioned a sum of Rs.48.79 lakh for the purchase of dustbins to 62 Government Arts and Science Colleges, 7 Colleges of Education and 24 University Constituent Colleges during 2017-18. Dustbins to the above colleges have been purchased during the year 2018-19.

3.13. PURCHASE OF COMPUTER AND ACCESSORIES

An announcement was made in the Assembly on 30.05.2018 that 50 computers and 2 UPS will be provided to each Government College for the welfare of the students. Accordingly, the Government have sanctioned a sum of Rs.8.61 crore for the purchase of 1,550 Computers and 62 UPS in the first phase to 31 colleges during the year 2018-19 and was supplied to the Colleges through ELCOT. The remaining will be purchased in the second phase this year.

3.14. SPORTS

The students of Arts and Science Colleges have excelled in Sports which is an integral part of Education. The students who are studying in Government and Government Aided Arts and Science Colleges have won medals and prizes at the National, State and District levels. During the year 2018-19, they have won 72 National, 49 State and 108 District level Medals in the athletic field.

3.15. CONVERSION OF UNIVERSITY CONSTITUENT COLLEGES INTO GOVERNMENT ARTS AND SCIENCE COLLEGES

The Hon'ble Chief Minister in the Legislative Assembly on 1.06.2018 has announced that 41 University Constituent Colleges will be converted into Government Arts and Science Colleges at a cost of Rs. 152.20 crore. The Government ordered administrative sanction for implementation with an outlay of Rs.68.41 crore in the first phase with 14 constituent colleges which started functioning from the year 1995-96 to 2010-11 were converted to Government Colleges. A total of 819 teaching posts and 238 non-teaching posts were sanctioned to these colleges which have started functioning this academic year.

3.16. CONSTRUCTION OF NEW BUILDINGS

3.16.1. Buildings for Newly Started Government Arts and Science Colleges

Own buildings for Government Arts and Science Colleges at Mettupalayam, Palacode,

Kattumannarkoil, Kudavasal, Villupuram (Women), Sirkazhi, Thittamalai, Madhanur and Palladam is being executed by Public Works Department (Technical Education wing) under the control of DOTE. The construction of own buildings for college at Mettupalayam and Palacode has been inaugurated by the Hon'ble Chief Minister.

3.16.2. Buildings for Regional Offices Of Directorate Of Collegiate Education

The Government have allotted a sum of Rs.1.69 crore for the construction of permanent building for the office of the Regional Joint Director of Collegiate Education, Dharmapuri Region. The works have been completed and the building is brought to use. A sum of Rs.1.86 crore for construction of permanent building to the office of the Regional Joint Director of Collegiate Education, Thanjavur Region has also been sanctioned and the construction work will be completed this year.

3.16.3. Construction of Boys Hostel For Presidency College, Chennai

The Government have sanctioned a sum of Rs.10 crore for the construction of new hostel

building for boys in the campus of Presidency College, Chennai, during the year 2018-19 and the same has been inaugurated by Hon'ble Chief Minister on 24.06.2019. The works for construction of Commemorative Arch on completion of 175th year of the College was taken up at a cost of Rs.40 lakh and the work has been completed and inaugurated by the Hon'ble Chief Minister.

3.16.4. Maintenance of Heritage Buildings

Some of the oldest institutions of higher learning were established in Tamil Nadu which was the then part of Madras Presidency. The buildings of these institutions have lot of heritage value.

The Hon'ble Deputy Chief Minister had announced in the Budget speech on 15.03.2018 that the Heritage Buildings of Government Arts College (Men), Kumbakonam, Victoria Hostel of Presidency College, Chennai and Queen Mary's College, Chennai will be renovated at a cost of Rs.26 crore. Accordingly, the Government have sanctioned Rs.24.04 crore for the following works for preservation of Heritage Buildings :

- Rs.3.20 crore for the Victoria Hostel, Presidency College, Chennai.
- Rs.6.04 crore for Queen Mary's College, Chennai.
- Rs.14.80 crore for Government Arts College (Men), Kumbakonam.

These works are executed by Public Works Department (Technical Education wing) under the control of Directorate of Technical Education.

3.17. BHARAT RATNA PURATCHI THALAIVAR DR.M.G.R. CENTENARY CELEBRATION BUILDINGS

In order to commemorate the Birth Centenary Celebration of the late Hon'ble Chief Minister Bharat Ratna Puratchi Thalaivar Dr.M.G.R., the Hon'ble Chief Minister had announced on the floor of Assembly under Rule 110 of Tamil Nadu Legislative Assembly that new buildings will be constructed for Government Arts and Science Colleges at a cost of Rs.210 crore. These buildings will be named as "Bharat Ratna Puratchi Thalaivar Dr. M.G.R. Centenary Buildings". Accordingly,

the Government have sanctioned a sum of Rs.210 crore for 68 Government Arts and Science Colleges. Out of these buildings, buildings in 34 Colleges have been inaugurated by the Hon'ble Chief Minister. The construction of remaining 34 buildings will be completed this year.

3.18. DEVELOPMENT OF INFRASTRUCTURE IMPROVEMENT IN PRESIDENCY COLLEGE, CHENNAI

During the year 2018-19, the Government have sanctioned a sum of Rs.73.92 lakh for the development of basic infrastructure improvement and painting works in Presidency College, Chennai. The works will be completed this year.

3.19. CONSTRUCTION OF COMPOUND WALL TO GOVERNMENT COLLEGES

As per the Announcement made by the Hon'ble Minister for Higher Education during the Assembly Session held on 30.05.2018, an amount of Rs.37.52 crore has been sanctioned for construction of 55,173 metre compound wall to 60 Government Arts and Science Colleges and

2 Colleges of Education. All the works will be completed this year.

3.20. IMPROVING BASIC AMENITIES

For the construction of new toilet blocks in the main building of Sethupathy Government Arts and Science College, Ramanathapuram, an amount of Rs.2.08 crore has been sanctioned for the year 2018-19.

3.21. CONSTRUCTION OF AUDITORIUM AND COMPOUND WALL

During the Birth Centenary Celebration ceremony of the late Hon'ble Chief Minister Dr.M.G.R. held in the Sivangangai District, the Hon'ble Chief Minister had announced that Auditorium and Compound Wall will be constructed to Raja Duraisingam Government Arts College and a sum of Rs.3.93 crore will be allotted. Accordingly, the Government have sanctioned a sum of Rs.2.89 crore for the construction of Auditorium and a sum of Rs.1.04 crore for the construction of Compound Wall. The work will be completed this year.

3.22. CONSTRUCTION OF ADDITIONAL CLASS ROOMS AND TOILET BLOCK TO GOVERNMENT COLLEGES

The Government have sanctioned a sum of Rs.2.61 crore for the construction of additional class rooms and toilets to Government Arts and Science College, Kovilpatti. The Government have sanctioned a sum of Rs.86.50 lakh for the construction of 7 additional class rooms to Government Arts and Science College, Veerapandi.

3.23. REPAIR WORKS OF DAMAGED BUILDINGS IN 14 GOVERNMENT ARTS AND SCIENCE AND COLLEGES OF EDUCATION CAUSED DUE TO GAJA CYCLONE

The Government have sanctioned a sum of Rs.1.99 crore for the financial year 2018-19 for doing repair works to damaged buildings in 14 Government Arts and Science and College of Education situted in Sivagangai, Pudukottai, Thanjavur, Thiruvarur, Nagapattinam and Cuddalore which were affected during GAJA Cyclone on 16.11.2018.

3.24. NATIONAL INSTITUTIONAL RANKING FRAMEWORK (NIRF)

The Government encourages the Arts and Science Colleges to subject themselves in National Assessment and Accreditation Council (NAAC) and NIRF ranking. Due to the continuous effort of the colleges, 35 Arts and Science Colleges have found place within top 100 institutions in the Nation. Presidency College, Chennai has secured 3rd rank in the Nationwide NIRF ranking this year.

3.25. NATIONAL SERVICE SCHEME (N.S.S.)

National Service Scheme is being implemented successfully in higher educational institutions in Tamil Nadu since September, 1969. This scheme is being implemented in Universities, Colleges and various Technical Institutions. During the year 2018-19, Government of India has allotted an amount of Rs.12.85 crore for this scheme. At present, National Service Scheme is functioning with 3,90,700 student volunteers in various Educational Institutions.

4. UNIVERSITIES

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

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

4.1. UNIVERSITY OF MADRAS

4.1.1. University of Madras was established in 1857. As an affiliating University, it had its jurisdiction over the then Madras Presidency. Thus, it is the mother of all South Indian Universities. With birth of new State Universities, its jurisdiction is now spread over 3 districts – Chennai, Thiruvallur and Kancheepuram in Tamil Nadu.

4.1.2. Though since initiation, the University of Madras affiliated all types of colleges such as Arts, Sciences, Technology, Medicine, Education and many more; at present, it affiliates only Arts, Commerce, Management and Science colleges and Research Institutions.

4.1.3. The University of Madras has been actively engaged in Research and Post Graduate teaching since the beginning of 1900. It is an acclaimed University in the field of Arts and Science education and has 87 teaching and research departments and 115 affiliated colleges. It has the distinction of maintaining high accreditation and has been placed in 'A' Grade by the National Assessment and Accreditation Council (NAAC). It has also been

recognized by the University Grants Commission (UGC) as 'University with Potential for Excellence' and also conferred as Category II under Graded Autonomy. It also holds the credit for being the first to introduce the concept of autonomous colleges within the University system. Presently, 23 autonomous colleges are affiliated to the University, some of which have been identified by the UGC as "Colleges with the Potential for Excellence". The University has been placed at 20th position among the top Universities of the Country in the National Institutional Ranking Framework 2019 (NIRF) and it is one among the top 3 Universities in the State.

4.1.4. The University has established the "Dr.M.G.R. Centenary Centre for Social Development Studies" with the assent from Hon'ble Governor/Chancellor of Tamil Nadu and amount of Rs.5 crore was granted by the Government during the 160th year Post Centenary Diamond Jubilee Celebration of the University of Madras. The University set up the Institute of Distance Education (IDE) in 1981 to provide wider access to higher education. It presently offers 15 UG courses, 15 PG courses,

22 Diploma/PG Diploma courses and 8 Certificate courses and all the courses are recognized by Distance Education Bureau [DEB], UGC. It has been also offering M.Sc. (IT) and B.B.A. courses to students in Africa through the e-Network Pan African Project.

4.1.5. The University has on campus student enrollment of 2,856 (Male – 1,183, Female –1,673) in PG Programmes and 200 (Male – 63, Female-137) students enrolled in M.Phil. Programme and 415 (Male – 183, Female – 232) students registered for Ph.D. Programme.

4.1.6. The University has two Constituent Colleges at Nemmeli and Thiruvottiyur and the student strength is 3,834. The Distance Education Stream of University of Madras Programme has 85,069 students (Male - 43,514, Female - 41,549 and Transgender - 6).

4.1.7. The University recently established 12 new Centres and 6 new Departments of Women Studies, Social Work, Networking Systems and Information Technology, Material Science, Bio-Informatics and Counselling Psychology. It established smart class rooms,

Foreign Language Laboratories, an Entrepreneurship cum Skill Development Centre and set up a Curriculum Development Cell, besides establishing Centre for Multimodal Material Production for Differently Abled, Swami Vivekananda Centre for Higher Research and Education, a PG Centre with High Tech Laboratory, Centre for Technical Writing and Academic Writing, University Business Collaboration Centre and Incubation & Technology Transfer Centre. For the benefit of students, it has introduced Single Window admission in the Institute of Distance Education, Madras University Free Education Scheme for University and Colleges, Earn While You Learn Scheme [EWYL], Students Insurance Scheme and has set up Talking Library for visually impaired, expanded the Sports facilities and Student amenities including Wi-fi and Internet facilities. Admissions to the University Departments have been made online since 2016-17.

4.1.8. The University of Madras has installed the Solar Energy system in all its recently constructed buildings. As a part of it, solar street lights are installed in the Chepauk and Guindy Women's Hostels.

4.1.9.   The University of Madras has signed 16 Memorandum of Understandings with various foreign Universities during the past three years.

4.1.10. The University of Madras has been selected by MHRD, Government of India for Rs.50 crore funding under the scheme RUSA 2.0. The University has initiated the process to establish 'Entrepreneurship and Career Hub' under this scheme.

4.1.11. The University of Madras is in the 7th position out of the 388   Universities in uploading Ph.D. thesis in the Shodhganga, the electronic depository of the INFLIBNET of UGC and so far the University has uploaded 5,787 theses.

4.1.12.   The University has so far uploaded 30,257 degree certificates under the process of uploading all the degree certificates and other academic documents in the National Academic Depository (NAD).

4.1.13. The University has been granted Rs.2.40 crore to construct a "Sports Facility with Scientific Back-up" with an estimated cost of Rs.3 crore at the University Chepauk Campus.

4.2. ANNAMALAI UNIVERSITY

4.2.1. Annamalai University was established in the year 1929 as unitary, multi-faculty, residential University. The University administration was taken over by the State Government by the enactment of Annamalai University Act, 2013. The University was accredited with 'A' Grade by NAAC in 2014. Efforts are being taken to improve its Grade from NAAC, during 2019.

4.2.2. The University offers its on-campus programmes, which includes Ph.D., M.Phil., Post Graduate and Under Graduate Degrees, P.G. Diploma and Diploma through 52 Departments under the Faculties of Arts, Science, Marine Sciences, Indian Languages, Education, Fine Arts, Engineering and Technology, Agriculture, Medicine and Dentistry. Out of the 2,532 Teaching staff of Annamalai University, 1,133 surplus teachers have been redeployed to the Government Colleges / State Universities, for a period of three years on agreement basis.

4.2.3. In the academic year 2018-19, totally the University had on its roll 1,99,556 students. Of which, 17,329 students are in the Regular

Mode (on-campus) and 1,82,227 students are in the Distance Mode (off-campus).

4.2.4. Department of Pharmacy has been ranked at 13th position in All India level and 2nd position in Tamil Nadu in NIRF 2017 and ranked at 20th position in All India level and 2nd in Tamil Nadu in NIRF 2018.

4.2.5. In the NIRF India Rankings – 2019, Annamalai University is ranked in the band of 101-150 in the Overall Category as well as the University Category. In the Medical Category, the ranking is 24th.

4.2.6. "The CWTS Leiden Ranking 2018", done by the Leiden University, Netherlands on scientific impact of Universities and on University's involvement in scientific collaboration and scientific performance, has ranked the University at 20th position based on the number of publications and in 4th position based on the proportion of publications.

4.2.7. "The MDRA - India Today Ranking-2018" has ranked Annamalai University in the 13th position.

4.2.8. The Times Higher Education World University Ranking - 2019" has ranked

Annamalai University in the band of 501-600 for Life Sciences and Pre-clinical, Clinical & Health Subjects, 800+ in Physical Sciences in subject category.

4.2.9. "The QS World University Ranking - 2019" has ranked Annamalai University in the band of 291 - 300 in Asia Ranking, 174th in the BRICS Ranking and 43rd in All India Ranking.

4.2.10. Two days International Seminar was organized on "Trends in Clinical Psychology" by the Department of Psychology. Prof. Micheal Wang, Emeritus Professor of Clinical Psychology, University of Leicester, United Kingdom gave Special Lecture on 14th & 15th March,2018.

4.2.11. The Centre for Rural Development has introduced 2 Post Graduate Programmes and 3 Research Programmes from the academic year 2018-19. Under Distance Education, 9 new programmes were started during the academic year 2018 –19.

4.2.12. The University received a fund of Rs.6,45,000 from AICTE and organized two week Faculty Development Program on Advances in Waste water Treatment and Air Pollution Control Techniques.

4.2.13. The Research and Development Cell has been upgraded as Centre for Research & Development with the main objective to improve the status on National and International funded projects, consultancy, testing and to enhance the patents / IPR.

4.2.14. Job fair was conducted during the month of March 2019. 55 Companies participated in the Job Fair. 1,596 students received placement orders. The Centre for skill Development is offering two new B.Voc. courses, namely, Airport operations and Aquaculture with an intake of 30 students each from the academic year 2018–19 with approval and financial support from UGC.

4.2.15. Annamalai University is the only Institution in the State approved as NEEM (National Employability Enhancement Mission) Facilitation Centre by AICTE. Through this approval, the University is authorized to offer Internship programme for all engineering students as well as training programme to the Industry professionals.

4.3. MADURAI KAMARAJ UNIVERSITY

4.3.1. Madurai Kamaraj University, is the second state University established in Tamil Nadu in the year 1965. It is a pioneer institution contributing richly to the development of the State and Nation by providing world class Higher Education. The University has 77 Departments under 20 Schools. It governs 90 Affiliated colleges, 4 Evening Colleges, 4 Constituent Colleges and 11 approved Institutions spread over 4 Districts namely Madurai, Theni, Virudhunagar and Dindigul with more than 1,50,000 students. Besides, Madurai Kamaraj University has a Distance Education Directorate with an enrolment of 27,477 students.

4.3.2. The UGC, New Delhi has awarded the status of "University with Potential for Excellence" (UPE) to the Madurai Kamaraj University in the year 2006, the youngest University to get the status in the Country. The University has completed its Golden Jubilee in the year 2016. The prestigious recognitions received by the University Faculty Members include 4 Shanti Swarup Bhatnagar awards,

8 Fellow of Indian National Science Academy, 8 Fellow of National Academy of Sciences, 11 Fellow of Indian Academy of Sciences, 2 Fellow of The World Academy of Sciences, a Senior Spallanzani Fellow and 16 Tamil Nadu Scientist Awards. 4 faculty members were awarded with Basic Science Research Faculty (BSR) by UGC. The whole MKU campus is provided with Wi-fi connectivity.

4.3.3. To provide global exposure through ICT enabled teaching-learning, 82 conventional class rooms in 20 Schools have been upgraded to ICT and Wi-fi-enabled Smart Class rooms under the financial assistance from RUSA.

4.3.4. The Centres for Excellence in Genomics, Cancer Genetics, Plant Transgenesis, Green Chemistry and Nanotechnology are notable establishments at MKU. The University has implemented and involved in the major research initiatives of the Government of India such as PURSE (DST), IPLS / BUILDER (DBT), NRCBS (UGC) and UOE (DBT). The UGC empowered committee has rated NRCBS Centre

of MKU as top graded for its outstanding performance.

4.3.5. The University has received a total grant of Rs.5.58 crore for 67 projects from funding agencies like, UGC and others. e-Governance, upgradation of Multi Specialty University Hospital with nominal charges, Rain Water Harvesting, Modernization of hostel kitchens and Modern Fitness Centre were established in 2018, with Rs.6.91 crore assistance from RUSA.

4.3.6. 20 MoUs have been signed with foreign Universities as well as other State Universities for Student exchange programmes and training for teachers and students, organizing joint academic and research programmes.

4.3.7. Two new courses namely, M.B.A. Police Management and M.Sc. Criminal Justice & Victimology have been introduced through the Distance Education mode. The IAS Study Circles have been launched in 4 Constituent Colleges of MKU, so as to motivate and empower the rural

students to succeed in the Civil Services Examinations and other Competitive exams.

4.3.8. The University has established a Support Service Centre for Differently Abled and constituted a Committee for organising Orientation and Sensitisation programmes at University and Colleges on Disability and the Rights of Person with Disabilities. In pursuance of the policy "University and Colleges towards Villages", the Madurai Kamaraj University has launched a massive mission of planting 10 lakh saplings in its jurisdiction with 1 lakh in its own campus and another 9 lakh in the areas of affiliated colleges and 421 adopted villages.

4.3.9. The construction of Solid Waste Management System and Water Recycling System is nearing completion. The project of creating a "Neem Tree Forest" inside the campus with the plantation of 2,000 neem saplings was inaugurated by the Hon'ble Governor/Chancellor during the 51st Convocation (29.01.2018). Rural Electrification Corporation Limited (REC), a Government of India Navratna Enterprise, has committed financial assistance of Rs.7.25 crore

under CSR initiative to Madurai Kamaraj University for the installation of one MW Solar Panels.

4.3.10. The Syndicate of Madurai Kamaraj University has approved the creation of a "Heritage Consortium" in the University with the objective of compiling Art and Cultural Traditions of Tamil Nadu. 13 faculty members have visited Countries across the Globe including U.S.A, Italy, Spain, Greece and shared their expertise with their global counterparts in international forums. Also, 64 eminent Professors/Scientists from various countries have visited the University and exchanged their knowledge.

4.3.11. Madurai Kamaraj University is one among the 26 Universities identified by MHRD to lead the National Academic Depositary (NAD) project in the Country. A total number of 2,55,503 certificates have been uploaded in the NAD website by the University.

4.3.12. MHRD has awarded a sum of Rs.53.50 crore in the RUSA Phase-II to the University towards Research Innovation and Quality Improvement.

4.3.13. The University has disbursed scholarship / fellowship grants to the tune of Rs.5.09 crore benefitting around 696 Post Graduate students and research scholars from March to December, 2017. In addition, the SC/ST Post Matric Scholarship and Ph.D. Fellowship to the tune of Rs.61.72 lakh have been disbursed to 548 students by the University, released by the Adi Dravidar and Tribal Welfare Department during the year 2017-18.

4.4. ANNA UNIVERSITY

4.4.1. Anna University was established on 4th September, 1978, as a unitary type University by integrating four well known technical institutions, College of Engineering, Guindy (CEG), Alagappa College of Technology (ACT), Madras Institute of Technology (MIT), and School of Architecture and Planning (SAP) in Chennai. It is the single largest Technical University in India and continues to be leader in Technical Education in the Country. Now it is an affiliating type of University with all the Engineering Colleges of the State under its umbrella.

4.4.2. The University has 4 campuses (CEG, ACT, SAP and MIT), 13 Constituent Colleges and 3 Regional campuses situated in Tirunelveli, Madurai and Coimbatore. 565 Government, Government aided and self financing Engineering Colleges are affiliated to Anna University. The University offers 29 UG and 79 PG programmes with 16,137 (9,355-Male and 6,782-Female) students in the University Departments. 1,268 Male & 1,180 Female PG students are on roll in Distance Education

programme. Anna University takes pride in having 13,866 Ph.D. scholars (Male 8458 and Female 5,408) on roll.

4.4.3. Anna University was accredited by NAAC, 'A' grade, with a CGPA of 3.46 on 4 for a period of five years from 24th September 2014. Necessary procedure have been initiated to get NAAC recognition for the next five years from September 2019.

4.4.4. Anna University secured the 87th rank as per QS BRICS 2019 (Quacquarelli Symonds) University Rankings. The University stands 2nd in the country in the 'h' index citations, based on the research papers published by its faculty members and research scholars. The University has filed 146 inventions for patents and has been granted 26 National patents and 10 International patents.   The University has achieved 7th Rank among the Universities, 12th Rank in Architecture, 9th Rank among Engineering Institutions and 14th Rank in the Overall category as per the MHRD – National Institutional Ranking Framework (NIRF 2019).

4.4.5. AICTE approval for all UG and PG Programmes have been obtained. This in turn will enable all PG students with GATE to get scholarship from 2019 onwards.

4.4.6. EMMRC, Chennai has started the first MOOCs program in Anna University on Energy Efficient and Sustainable Architecture for SWAYAM, MHRD, Government of India. EMMRC at Anna University has achieved the highest production of E-TV programmes. The MHRD has assigned Direct-To-Home TV Channel - 10 to EMMRC, Anna University Chennai on SWAYAM PRABHA Platform to telecast quality educational programmes on Applied Sciences covering 14 courses at UG and 5 courses at PG levels on 24x7 basis.

4.4.7. Five of the Faculty Members of the University have been awarded the prestigious "Young Faculty Research Fellowship" under Visvesvaraiya Ph.D. Scheme for Electronics and Information Technology for a total period of five years (2019-2024). Anna University has adopted 15 villages (viz.CEG – 12, SAP – 1,

ACT – 1 & MIT – 1), under Unnat Bharat Abhiyan Scheme.

4.4.8. Anna University has partnered with IIT Madras towards the establishment of "Indian Solar Energy Harnessing Centre" under Southern Solar hub funded by Department of Science and Technology with a seed money of Rs.1.75 crore for Crystal Growth Centre, Anna University. The major theme of the research is on solar desalination and solar fuel.

4.4.9. With an assistance from Government, a Centre of Excellence (CoE) has been established at MIT campus of Anna University in technical skill development. Two more Technical skill development Institutes (t-SDIs) have been set up at University College of Engineering – Kancheepuram and University College of Engineering-Villupuram. These facilities have been established by Government through Public Private Partnership (PPP) in collaboration with Siemens. This Centre of Excellence was inaugurated by the Hon'ble Chief Minister, on 10th October 2018.

4.4.10. A sum of Rs.50 crore has been approved by the Government under RUSA Phase 2.0 to Anna University towards Research, Innovation and Quality Improvement. A sum of Rs.3 crore has been released as first installment (State share). Anna University has entered into a triparty agreement with NSDL and UGC to coordinate with the National Academic Depository (NAD) for graduates to have access to their digital degree certificates.

4.4.11. To study the impact of GAJA cyclone and to help affected coastal community, a team of 10 members including faculty, research scholars and students from Institute for Ocean Management, Anna University visited the cyclone affected areas and submitted a report on the impact of cyclone on the coastal ecosystem to Ministry of Environment, Forest and Climate change, Government of India on March 2019. Post Cyclone Gaja, the Centre for Aerospace Research, MIT, Anna University conducted a field study in the delta region in which the indigenously developed Unmanned Aerial Vehicle recorded the damages caused to coconut trees with an accuracy of 95%.

4.4.12. A team (Dhaksha) from MIT campus participated in the International UAV Medical Express Challenge in Australia during September 2018 and secured second place.

- The Team bagged 3 prizes in Drone Olympics competition, organised at Bangalore in three categories.

- Indian Air force in honour of Air Commodore Mehar Singh, is carrying out a competition towards finding innovative solutions by way of deployment of UAVs. As the first response for the search and rescue (SAR) missions, Team Dhaksha has completed the mission and has been selected for Phase III to be held during 2019.

- A MoU has been signed for collaborative work on UAV technology between North Eastern Space Application Centre (NESAC) under Department of Space and CASR to expand UAV related activities for the benefit of North Eastern Region by NESAC.

4.4.13. Activities / Schemes undertaken during the year 2018-19

- Anna University introduced 4 UG Courses in the 3 Regional Centres at Tirunelveli, Madurai and Coimbatore to facilitate 720 students.

- The Government sanctioned a sum of Rs.60 lakh for the conduct of training Programmes to enhance the English Teaching skills for English Teachers working in Government, Government Aided and Self Financing Engineering and Polytechnic Colleges in the State.

- 39 sponsored research projects for a total value of Rs.23.27 crore, 915 consultancy services for a total value of Rs.30.82 crore and 1,022 testing services for a total value of Rs.0.57 crore were offered.

- The Central Water Commission (CWC) Government of India, has sanctioned a sum of Rs.4.10 crore

for capacity building under its flagship program of Dam Rehabilitation and Improvement Program (DRIP), funded by the World Bank.

- Department of Science & Technology, GoI has sanctioned a sum of Rs.3.98 crore towards National Hub for Health Care Instrumentation Development at Anna University under Phase-II and a sum of Rs.1.38 crore for Research & Development activities to University College of Engineering, Nagercoil towards "Phase change materials for deep freezing of seafood for healthier mankind".

- Ministry of Electronics and Information Technology sanctioned a sum of Rs.162.18 lakh to Anna University Regional campus, Coimbatore for a project titled "Employability Enhancement Program to Train the Graduates of Various Disciplines using ICT Tools

and Applications", University College of Engineering, BIT campus, Tiruchirapalli is sanctioned with Rs.2.5 crore by EDII for setting up a Business Incubation Centre to support atleast 8 startups.

- AICTE has sanctioned Rs.35 lakh for implementing Pradhan Mantri Kaushal Vikas Yojana (PMKVY) scheme for skill development at BIT campus, Tiruchirapalli.

- Utilization of Scientific Equipment (USE) web portal has been established for effective utilization of equipment / facilities.

- Centre for Distance Education has been recognized to offer PG Programmes and a cell to offer online courses has also been established.

- SC/ST students hostel has been constructed at BIT Campus.

4.5. BHARATHIAR UNIVERSITY

4.5.1. The Bharathiar University was established in February 1982 with 9 academic departments. Currently the University has 39 Departments belonging to 13 Schools. Through these departments, 54 PG courses are being offered besides M.Phil. and Ph.D. programmes. The University has on-campus student enrollment of 2,771 PG Students, 107 M.Phil. Scholars and 851 Ph.D. Scholars.

4.5.2. This University has affiliated 123 Colleges. (14 Government colleges, 3 constituent colleges, 16 aided colleges and 90 self financing colleges). Bharathiar University has 29 Colleges with Autonomous Status under its purview.

4.5.3. Currently 1,11,804 students (84,695 UG and PG Students, 965 Ph.D.,702 M.Phil. and 25,442 students of Distance Education) are studying in UG, PG, Diploma and Research Programmes in the University Departments, Affiliated Colleges and School of Distance Education.

4.5.4. For the year 2017-18 nearly 470 students availed benefit under GoI Post Matric Scholarship for SC / ST / SCC with an assistance of Rs.63,78,967. Further 1,157 students are benefitted under Scholarship for BC / MBC / DNC at the sanctioned amount of Rs.65,19,385.

4.5.5. For 2017-18, the University received financial assistance of Rs.160.50 lakh from UGC and Rs.563.15 lakh from other agencies. It received Rs.138.33 lakh from UGC, Rs.841.46 lakh from other agencies for the year 2018-19.

4.5.6. The National Assessment and Accreditation Council has re-accredited the University with 'A' Grade consecutively for the third time in March 2016. Bharathiar University was ranked 23rd in India and 1191st in World Ranking 2016 by University Ranking by Academic Performance. Subsequently the rank has been improved to 18th in India and 1049th in World Ranking in 2017. The Bharathiar University has been now ranked 14th at National level and 1st at State level by the National

Institute Ranking Framework (NIRF), MHRD, Government of India. The University has also achieved 21st rank in the Overall category in National Institute Ranking Framework. Continuously for the last three years the University has maintained the rank within top 30.

4.5.7. Bharathiar University excelled in Government of India's Digital Financial Literacy and achieved 2nd Rank among Top Best 20 Institutions out of 4,896 Institutions in our Nation. Towards this, an award has been given to the University by Ministry of Human Resource Development during the National Convention at Vigyan Bhawan, New Delhi in March 2017.

4.5.8. Bharathiar University has the highest 'h' index with 45 points, according to Scopus data, with 14,824 citations and 2,532 publications during 2013-18. This is the highest among the Arts & Science Universities in the State for the last five years.

4.5.9. The DRDO-BU-CLS at Bharathiar University campus was established as a joint

venture by DRDO, Ministry of Defence, GoI, Bharathiar University and the Government of Tamil Nadu as an autonomous research institute to pursue high degree of both basic and applied research. The centre combines scientific research and critical technology for defence, civilian and technical human resource development. The centre was launched by His Excellency Dr.A.P.J. Abdul Kalam on June 6, 2005. University has received a grant of Rs.45.37 crore for 15 Research Projects.

4.5.10. Ministry of Human Resource Development has sanctioned Rs.20 crore under RUSA Phase-I as Infrastructure Grant to University. The University has also been sanctioned Rs.50 crore by Government under RUSA Phase – II for Quality and Innovative Research. Only 16 Universities in the country have been conferred with this grant. Out of the sanctioned amount, Rs.15 crore is earmarked to establish Bharathiar Entrepreneurship, Innovation and Career Hub (BEICH), at the University.

4.5.11. The Department of Physical Education, Bharathiar University is focusing on research and sports training to assess and enhance the performance of players and athletes. This University is producing National and International level athletes. Approximately, 15 medals have been secured by the University in the All India Inter University Athletic Meet every year. The department is striving hard to develop the International standard facilities for producing medal winners.

4.6. BHARATHIDASAN UNIVERSITY

4.6.1. The Bharathidasan University, named after the great revolutionary Tamil Poet Bharathidasan, was established in the year 1982. With the ultimate aim of creating a brave new world, Bharathidasan University ensures the pursuit of excellence in teaching, learning, research and extension of knowledge through Higher Education. During 2018-19, in NIRF India Rankings, the University is ranked 60 in University category and 86 in Overall category. In April 2019, the University was re-accredited with A+ Grade at 3.32 CGPA in the 3rd cycle, by the NAAC.

4.6.2. The University has 16 Schools, 37 Departments and 29 specialized Centres conducting more than 100 programmes at different levels. The University has a total number of 152 affiliated colleges (Government 25, Aided 19, Self Financing 88, Constituent Colleges 6, Approved Institutions 13 and one Uni-Faculty Institution)

4.6.3. All classrooms are ICT enabled with interactive boards and LCD Projectors. The

University library has been upgraded with ICT based modernized information services. Learning Management System (LMS) has been implemented with Mobile App facility to both faculty and students of the University.

4.6.4. Garden Library was inaugurated on 25.03.2019 for use of the University as well as the public so as to promote the reading culture. Children's Corner with books, e-resources and facilities with play materials is established in the general library. The service of the University Informatics Centre (UIC) was upgraded to a greater extent by providing renewed cable and Wi-fi connectivity to the entire campus including the hostels, class rooms and departments.

4.6.5. 11 departments are supported with UGC-SAP and 9 departments are supported with DST-FIST during the year 2018-19. 72 major research projects were funded during 2018-19 by various funding agencies including UGC, CSIR, DST, DBT, DAE, DRDO, BRNS, ICSSR and ICMR (Total outlay Rs.18.08 crore). To foster global competence among students, the curriculum of all the programmes have been

updated with Current Contours and Field Projects. To equip the students with job oriented skills, Value Added Courses have been introduced in all the Departments.

4.6.6. During RUSA – Phase I, 500 kWp Grid Interactive Solar PV Power Plant and 2 numbers of 50 kWp Roof Top Grid Interactive Solar PV Power Plants were installed and commissioned at Palkalaiperur and Khajamalai campuses, respectively. Under RUSA 2.0, Rs.50 crore has been approved for the University, out of which Rs.15 crore is allocated for "Entrepreneurship, Innovation and Career Hub" and the remaining amount of Rs.35 crore is earmarked for the Research Projects.

4.6.7. The Business Development Centre (BDC) has signed MoUs with three specialized Institutions / Agencies / Hospitals to offer Certificate, Diploma and Post Graduate programmes and 9 faculty members signed 10 MoUs with Foreign Universities for exchange of research facilities. Institute of Entrepreneurship and Career Development (IECD) has signed 26 MoUs with various

institutions to offer skill development programmes. Bharathidasan University is one among the 4 Universities in Tamil Nadu chosen to conduct 12 Global Initiative for Academic Network (GIAN) programmes by inviting foreign faculty at the budget of 8,000 US $ per one week duration programme.

4.6.8. University Science Instrumentation Centre (USIC) was established to house, utilize and maintain the equipments procured through various projects. The Clean and Green Initiative (CGI) was initiated during 2018 to build and create a sustainable and green academic campus in the University. Bharathidasan Entrepreneur and Career Hub (BECH) has been inaugurated by the Hon'ble Prime Minister on 03.02.2019 through video conferencing as a part of Digital Launch of RUSA 2.0.

4.6.9. The Career and Counselling Cell (CCC) of Bharathidasan University, organized a Job Fair. Out of 3,559 candidates who attended the Job Fair, 1,292 candidates were issued offer letters immediately after the interview process. A total of 71,017 students were admitted in skill

development programmes of IECD through tie-up organizations, affiliated colleges and also at IECD campus. 326 SC/ST students and 395 BC students received scholarship amount to the tune of Rs.60,64,469 and Rs.35,61,567 respectively. In the research section, 379 researchers enrolled themselves in the Ph.D. programme and 526 researchers successfully completed their Ph.D. to receive their degrees in the ensuing convocation.

4.7. MOTHER TERESA WOMEN'S UNIVERSITY

4.7.1. The first Women's University in the State of Tamil Nadu named after the Noble Laureate and beatified Saint Mother Teresa, was established on 24th March 1984 by the Tamil Nadu Legislative Special Act 15, by the then Chief Minister Dr. M.G. Ramachandran. The unique University is committed to the development and empowerment of women belonging to all strata of society via Higher Education. The University functions exclusively for women, by women and of women with focus on Women's Studies under its triple arm Teaching, Research and Extension. The University has 18 departments with three Research and Extension Centres at Chennai, Madurai and Coimbatore. 382 Students are pursuing Ph.D Programme. The University, which was unitary, became an affiliating type in 2002 with the Women's Colleges in Theni and Dindigul Districts. There are 12 Colleges which include 3 Government, 2 aided, 1 Constituent and 6 Self financing Colleges. There are 20,209 students in University and affiliated

Colleges. The Directorate of Distance Education is currently offering 16 programmes to 3,297 women candidates.

4.7.2. The University has been re-accreditated with B Grade by NAAC in Second Cycle in January 2015. Financial assistance under RUSA Phase-I to the tune of Rs.20 crore has been received from the Government for holistic development of the University. Library, Ladies Hostel, Computer Centre, Canteen, Additional Science Laboratories and Seminar hall have been constructed with this fund.

4.7.3. Department of Science and Technology (DST), Government of India has sanctioned Rs.1.06 crore through Tamil Nadu State Council for Science and Technology for the project entitled " Identification, Barcoding of Palani Hills Basidiomycetes fungi and mycosynthesis of biodegradable packaging material alternative to Styrofoam" by the Department of Biotechnology in the year 2018.

The Ministry of Science and Technology has sanctioned Rs.35 lakh for Computer Workstations / Servers(4), Compute Nodes (20),

LED Display, Projector, Biometric Access and Printer for department of Computer Science, Mother Teresa Women's University during the year 2019.

4.7.4. The Central Government Scheme UBA (Unnat Bharat Abiyan) has been implemented, and 5 villages have been adopted. As part of extension activity, the students take care of the village primary schools and also attended the village Grama Sabha meetings. Center for Gandhian Studies, Vivekanandha Studies, Incubation and Technology Transfer Centre have organized numerous activities focusing on Teaching, Research and Extension. The NSS units of affiliated colleges have adopted 27 villages.

4.7.5. The Tamil Nadu Common Wealth Mother Teresa International Centre was established at a cost of Rs.5 crore for promoting International education for women and teachers during the year 2013. Subsequently, it has signed MoU with University of Madras, International Staff Exchange - Hust University,

Wuhan, China and Oklahama State University, USA.

4.7.6. The Department of Biotechnology & Tamil Nadu State Council for Science and Technology have applied and obtained Geographical Index (GI indication) for Kodaikanal Malai Poondu, from GoI. National University for Educational Planning and Admission (NUEPA) recognized the department of Education as the Nodal agency to organize School Leadership Academy as Capacity Building Programme for heads of the Schools covering all districts in Tamil Nadu and 4 Programmes were conducted in the year 2017.

4.7.7. The University has received an amount of Rs.15,09,000 from UGC towards Shodhganga Project, to digitalize Ph.D. theses and so far 303 Ph.D. theses have been uploaded. The Faculty Members have conducted 12 National and 9 International Seminars and Conferences during 2018. MoUs have been signed with 3 foreign Universities and 17 National Institutions during 2018-19. Financial assistance to the tune of Rs.1.26 crore

was received from various funding agencies like ICSSR, DST, UGC, DAE, DST-SERB, CICT, CST-CURIE, UBA, Inspire Fellowship, IPR, MID DAY-MEAL and TNSCST (Student Project).

4.7.8. The job oriented courses Tally and Retail Management were conducted through Tamil Nadu Adi Dravidar Housing and Development Corporation Limited (TAHDCO) for SC/ST students at Kodaikanal. 6 students were appointed in Police Department and one student was appointed in Railways. 50 candidates were selected by other institutions.

4.7.9. The Indoor Sports Stadium in Kodaikanal has been constructed using UGC XII plan to the tune of Rs.1.20 crore. Cash Prizes of Rs.90,000 and 34 medals have been received at National Level as Winners in State level Inter University Kabaddi Tournament, Inter University Athletic Event and Affiliated College students (12 students) have received cash prize of Rs.12,00,000 (each Rs.1,00,000), Tamil Nadu Chief Minister's Trophy Kabaddi Tournament during the year 2018-19.

4.8. ALAGAPPA UNIVERSITY

4.8.1. Alagappa University is a State University established on 9th May 1985 by the Special Act passed by the Tamil Nadu State Legislature. It has 4 faculties, 39 Departments, 10 Directorates & Centres and 3 University Constituent Colleges. Besides, it has 39 Affiliated Colleges, 6 Evening Colleges spreading over two districts of Sivagangai and Ramanathapuram.

4.8.2. 198 Programmes in University Departments, 117 programmes in Affiliated Colleges, 66 programmes in Distance Education and 100 programmes in collaborative mode are offered at the University. All programmes in the University Departments and Affiliated Colleges are of Semester pattern under Choice Based Credit System (CBCS) with Continuous Internal Assessment (CIA) to ensure quality education. Around 1.07 lakh students are pursuing higher studies in the University through Regular and Distance Education mode (4,523 students in University Departments, 48,675 in Affiliated & Constituent Colleges and 53,561 students in Distance Education and Collaborative mode).

4.8.3. Alagappa University has been awarded A+ Grade by NAAC (CGPA: 3.64 out of 4) in the third cycle of assessment in May 2017. Alagappa University is the first State University which has obtained A+ status in the State of Tamil Nadu. Under QS 2019 Ranking, Alagappa University is placed with 216th place in QS ASIA Ranking, 104th place in QS BRICS Ranking and 20th place in QS India Ranking. Alagappa University is placed in 28th position under NIRF 2019 Ranking declared by the MHRD, NewDelhi.

4.8.4. Alagappa University has been conferred the status of Category I University in February 2018 under the UGC (Categorization of Universities for Grant of Graded Autonomy) based on the A+ grade in NIRF ranking. Alagappa University has secured the fourth place among Government Educational Institutions in the Country as a whole in the Swachhta Ranking 2018 of Higher Educational Institutions, declared by the MHRD, NewDelhi. The Department of Bioinformatics of Alagappa University has been identified by the MHRD for designing the curriculum reforms to the global standard by inviting two subject experts from the foreign

universities / reputed institutions. 4 departments, viz. Alagappa Institute of Educational Sciences, Department of Geology, Department of Computational Logistics and Department of Biomedical Sciences have been recently established.

4.8.5. MHRD, New Delhi, has sanctioned Rs.20 crore to Alagappa University under RUSA Phase - I scheme for the development of Infrastructure in 2017. UGC has approved for the establishment of Pandit Deen Dayal Upadhyay Chair with the financial support of Rs.1.5 crore in 2018, which has been established.

4.8.6. DST has awarded Rs.7 crore to Alagappa University under 2nd phase of the PURSE scheme, covering the period 2016-17 to 2019-20. Department of Bioinformatics has been recognized and awarded with UGC – SAP and DST-FIST status in 2017-18.

4.8.7. 6 MoUs during 2018-19 have been signed with various Universities and Research Institutes in USA, South Korea, China, Australia,

Malaysia, Taiwan, Oman and Singapore for research purposes during this period.

4.8.8. Alagappa University is one among top 10 Universities in India and has been allotted Rs. 100 crore under RUSA – Phase II scheme in November 2018. Out of which, 30% is earmarked for Capital expenditure and 70% for the quality improvement of Teaching and Research.

4.8.9. Ministry of External Affairs (MEA), GoI, has identified Alagappa University as one of the Institutions to implement the Distinguished Lecture Series scheme. Under this, MEA has deputed senior bureaucrats to deliver distinguished lectures for the Professors and students during 2018-19.

4.8.10. Among 13 top US Universities identified by MHRD for overseas research collaboration, Alagappa University has signed MoU with Cornell University-USA in April 2019 and started the process of executing MoU with Drexel University-USA, North Eastern University-USA and Stanford University-USA for undertaking research and exchange of Faculty

and Students in the areas of Biotechnology, Nanotechnology, Material Science, Humanities and Management.

4.8.11. In April 2019, the Principal Secretary to Government, Higher Education Department, a team of experts including the Vice-Chancellor of Alagappa University visited the Universities in China and Singapore and executed agreements for student exchange and Collaborative Research works.

4.8.12. In collaboration with MEA, Alagappa University has proposed to offer 19 programmes through online mode in collaboration with the partnering Institutions identified by the participating countries. Massive Online Open Courses (MOOC) platform under SWAYAM portal is being availed by about 1,500 students from all 39 University Departments in 2018-19. Each department has been provided with DTH connection and necessary accessories for the benefit of MOOC students. Alagappa University has uploaded about 3 lakh student data in National Academic Depository (NAD) portal during 2018-19.

4.9. MANONMANIAM SUNDARANAR UNIVERSITY

4.9.1. Manonmaniam Sundaranar University (MSU) is a dynamic Institution of higher learning, set in a rural milieu in the Southernmost tip of the Indian Peninsula, catering to the academic needs of 3 districts viz. Tirunelveli, Thoothukudi & Kanyakumari. The University was established in 1990, by the Government with a campus area of 550 acres. The University is reaccredited by National Assessment and Accreditation Council (NAAC) and awarded 'A' Grade (triple jump from B-grade) with a CGPA of 3.13 out of 4. The Manonmaniam Sundaranar University is ranked 5th among the State Universities. The University is ranked as 93 among Indian Universities from the previous year rank of 194 in NIRF ranking during the year 2019.

4.9.2. There are 27 Departments (including 5 Centres in the University) which includes the Directorate of Distance and Continuing Education and Directorate of Vocational Education. The Directorate of Vocational Education is offering skill based Diploma and

Certificate courses in various skill sectors through 22 Community Colleges and 74 External Learning Programme (ELP) Centres. One PG Extension Centre is functioning at Nagercoil. Sri Paramakalyani Centre of Excellence in Environmental Sciences is functioning at Alwarkurichi and the Centre for Marine Science and Technology is functioning at Rajakkamangalam.

4.9.3. Around 1,06,714 students are studying in the University Departments / Centres, 81 affiliated Colleges, 4 Constituent Colleges and 6 University Colleges. The Manonmaniam Sundaranar University is the first to offer Choice Based Credit System (CBCS) in Tamil Nadu as early as 1996. The Courses and Research Programmes offered by the University have been carefully chosen to cater to the contemporary needs of the region.

4.9.4. The University Departments offer Ph.D., M.Phil. and Integrated PG Programmes in addition to regular PG Programmes. It also offers exemplary library services. Excellent opportunities in extra curricular activities are extended by the Physical Education & Sports

Department, National Service Scheme and Youth Welfare Department. The University has a modern auditorium to accommodate around 1,000 students. The University provides affordable quality higher education to the under previleged and unreached sections of the society.

4.9.5. The University has an indoor Stadium and a Gymnasium. Gyanvani Radio Station is functioning in the University. The University has recently constructed Vice-Chancellor, Registrar and Professor's quarters, Health Centre. The University offers merit scholarships for the Top Rankers of the Integrated PG Programmes. Outdoor games, Indoor games, Yoga and meditation classes are conducted regularly for the welfare of the students. Online courses (MOOCs) through SWAYAM and NPTEL are introduced as a part of curriculum of the students in this University as per the directions of UGC.

4.9.6. Sundaranar meritorious Scholarship of Rs.2,000 per month with a provision of 400 scholarships for students has been introduced at the University. 81 research scholars have been

benefitted by fellowships with a monthly stipend of Rs.5,000. MoUs have been signed with Public Sector Organizations.

4.9.7. Under Green and smart campus Initiatives, One mega Watt solar power plant was initiated by Hon'ble Governor/Chancellor under RUSA funds. Online fee collection and payments, automation in Examination for early publication of results, Proper sign boards, new lawns and overall improvement of aesthetics of the campus are the other initiatives undertaken by the University.

4.9.8. The University has introduced 8 Integrated PG degree programs, 2 PG programs (Cyber Security & Data Analytics), 2 compulsory subjects Yoga for Health and Computers for modern era have been introduced in all UG programs. Courses offered through community colleges and External Learning Programme (ELP) centres help the students for employability of around 80%. The University conducted add-on credit course (two credits) on Cryptography by inviting Prof. Albert Fassler, Bern University of Applied Sciences, Switzerland.

4.10. PERIYAR UNIVERSITY

4.10.1. The Government established the Periyar University at Salem on 17th September 1997 by enacting the Periyar University Act, 1997. The University covers the area comprising 4 districts namely Salem, Namakkal, Dharmapuri and Krishnagiri. The University aims at developing knowledge in various fields to realize the maxim inscribed in the logo "Arivaal Vilayum Ulagu" (Wisdom Make the World). At present, the University has 8 Schools comprising 27 Departments, 4 Constituent Colleges and 1 PG Extension Centre. National Assessment and Accreditation Council (NAAC) reaccredited the University with 'A' Grade with a CGPA of 3.15 in 2015. The University bagged 68th rank among Universities at all India level in the National Institute Ranking Framework (NIRF) ranking 2019.

4.10.2. At present, 4 departments have Special Assistance Program (SAP), sanctioned by the UGC and 7 departments have Fund for Improvement of Science and Technology Infrastructure (FIST) programme sanctioned by

DST. The departments, Textiles and Apparel Design and Food Science and Nutrition have been granted Rs. 1.5 crore by UGC to run the B.Voc. Programme in the respective disciplines. Five year M.A. integrated programme in Journalism and Mass Communication (Electronic Media), M.Tech. (Energy), PG Diploma in Data Analytics, Diploma in Health Science Management and Certificate Programmes in Quality Control will be offered from the academic year 2019-20.

4.10.3. New programmes such as B.Sc. Actuarial Science, B.Com. Financial Analytics, B.Com. Security Marketing Practices and M.Sc. Computer Science (Data Analytics) are the programmes introduced in the University for Affiliated Colleges from this academic year 2019-20. Faculty Training Programmes for teachers of the affiliated colleges have been instituted and so far, 6 programmes have been conducted in the disciplines of English, Commerce, Chemistry, Physics, Mathematics and Computer Science and around 400 teachers benefitted by this programme.

4.10.4. The construction work of First Floor over the Guest House and two floors over the Common Computing Centre building were completed at a cost of Rs.789.00 lakh and inaugurated by Hon'ble Chief Minister on 19.02.2019. Further, the work entrusted to PWD for construction of additional floors and new buildings including primary sewage treatment plant to the worth of Rs.1554.00 lakh are in progress. The advanced instrumentation facilities like Single Crystal X-ray Diffractometer (SCXRD), Gas Chromatography-Mass Spectrometer (GC-MS), Scanning Electron Microscope (SEM) with Energy Dispersive X-ray Spectrometer (EDS) were purchased under RUSA-1.0 scheme to the tune of approximately Rs.4.16 crore. The RUSA funds were also utilized for the establishment of Common Computing Centre, Solar Simulator and for the purchase of Sports Equipments, Books, Journals and e-resources.

4.10.5. The equipment and furniture for the Departments and offices were purchased through GeM to the tune of Rs. 1.21 crore and Rs.2.85 lakh respectively. Periyar University is

leading among the State Universities for using this gateway for the major purchases.

4.10.6. University Research Fellowship (URF) was sanctioned to each department. At present, a total of more than 160 research scholars are beneficiaries of University Research Fellowships. The University is providing 50% of travel expenses for faculty to attend International Conferences abroad. Financial support is provided to research scholars to participate and present papers in International academic events. Faculty Lecture Series Programme are being organized to expose faculty and scholars to excellence in teaching and research. 9 lectures were completed successfully. The Government have sanctioned Rs.1 crore to establish an Incubation Centre on "Food Science and Nutrition" for developing Entrepreneurial skills in the domain. The syllabi and the question paper pattern of the University Departments are revised on par with national institutes with an aim to improve the analytical and critical thinking skills of the students. Steps are being taken for implementation of Outcome Based Education (OBE).

4.10.7. The Department of Journalism and Mass Communication, the Department of Environmental Science and the Department of Microbiology have signed MoUs with Sharing Knowledge of People in Communities (SKOPIC), Chennai, Korean Smart Farm Centre, Gyeongsang National University, Korea and VIRBAC Animal Health India Pvt. Ltd., Mumbai respectively. Further, the Periyar University and Curtin University, Sarawak (Malaysia) have signed an agreement for the internship of two PG students of Department of Geology.

4.10.8. A free education scheme was implemented for the benefit of the meritorious students with poor economic background irrespective of caste at the PG level in 27 Departments. The University is moving towards the cashless transaction by introducing online payments. The process of digitalization are also underway.

4.10.9. Nearly 15,000 volunteers from 250 units of NSS from the Affiliated Colleges and University Departments are actively participating in the programmes of social relevance and importance. Flood relief material worth of

Rs.59 lakh and Rs.7 lakh for the Chief Minister's Relief Fund was given to Government of Kerala in 2018. NSS volunteers of the University distributed the flood relief materials worth of about Rs.10 lakh to the Gaja Cyclone Victims of delta districts of the State on 20.11.2018. The University is collaborating with Corporation of Salem to implement Swachh Bharat. Periyar University adopted Sangeethapatti Village in Salem District and providing computer education and organizing science exhibitions to the students. The Department of Psychology took initiatives for "Cognitive Skill Awareness" about the mental health in few Tribal Villages of Salem District. Adoption of villages in the districts of Namakkal, Krishnagiri and Dharmapuri is being planned.

4.10.10. The faculty members of 27 departments of study and research are actively involved in carrying out 16 funded projects to the tune of Rs.2.89 crore, 700 papers were published, organized 124 conferences and awareness programmes, participated and presented 618 papers in National / International conferences.

4.11. TAMIL NADU OPEN UNIVERSITY

4.11.1. The Government during the year 2002 established the Tamil Nadu Open University for promotion of Open Learning and Distance Education Systems in the State and for the coordination and determination of standards in such systems. Since its inception, the University has been providing cost-effective, socially relevant, Open and Distance Learning (ODL) to the hitherto unreached as well as the disadvantaged groups such as those living in remote and rural areas including the working people, housewives, physically challenged and MBC/SC/ST students.

4.11.2. The growth of the University during the past 16 years has been phenomenal. The cumulative student strength of TNOU is 11,12,794 in 220 programmes of study across various disciplines and skills at different levels from Preparatory level to Research. The current student strength of TNOU is 30,638. It admits the students throughout the year under two admission cycles, viz., Calendar Year (January – December) and Academic Year (July – June).

The University reaches out to its learners through a robust network of 543 Centres spread across Tamil Nadu, as detailed below:

SI.No.	Type of the Centre	No. of Centres
1	Learning Resource Centres (LRCs)	187
2	Community Colleges(CCs)	243
3	Work Centres	30
4	Jail Study Centres (JSCs)	9
5	Partner Institutions(PIs)	5
6	Learner Support Centres (LSCs) as per UGC-DEB Regulations established at Colleges	69
Total		**543**

4.11.3. Important achievements during 2017-18

- The University Grants Commission (UGC) has accorded permission to the University to offer Ph.D. and M.Phil. Research Programmes (full-time and

part-time) from the academic year 2017-18. Subsequently, the Government have also given permission to offer the Programme.

- Student Welfare and Placement Cell has been established to help the learners community in all possible ways for their education and employment and redressal of the grievances.

- The Government have recognized the University, as one among the 5 Universities that come under its purview, to implement the GoI initiative"Ek Bharat Shreshtha Bharat".

- The Tamil Nadu Digital Library website was launched by the Hon'ble Chief Minister on 5th April 2018. At present http://www.tndigitallibrary.ac.in is enabled for Access of Tamil Nadu Digital Library. The TNDL Project contains Videos, Question Papers, Newsletters, Articles, Presentations, e-books, Theses, Union Catalogue,

Institution Repositories etc., of 13 Universities under the aegis of Higher Education Department for access by every user of these Universities and its affiliated colleges. Approximately 5 lakh bibliographic contents and Institutional Repository like Question Papers, Lecture Videos and PPT presentations are uploaded. Over 5,000 e-resources from 13 Universities are uploaded. The main aims of this project are Resource Sharing and Networking of Libraries, Co-operative Purchasing and Metadata Management, Online Document Delivery Services, Access to Open e-Resources, and increasing Research Productivity.

- Tamil Nadu Open University has been recognized by the UGC for offering 81 Programmes under Distance Education. TNOU is the only University has got approval from the UGC for offering more number of Programmes under Distance Mode in India.

- MHRD has sanctioned 8 Massive Open Online Courses (MOOCs) to be launched through its SWAYAM Platform with financial support.

- Under Maharastra Knowledge Corporation Ltd., (MKCL) under Learning while Earning Programme scheme BBA and B.Sc. Computer System Administration Programme will be offered. Students who have completed 10+2 will be enrolled for the Programmes. The selected students may be placed in the Corporate Companies with good salary packages.

- In order to educate and inspire students of Higher Education Institutions in the State the University has entered MoU with Tamil Nadu Entrepreneurship Development & Innovation Institute, Chennai.

4.12. THIRUVALLUVAR UNIVERSITY

4.12.1. Thiruvalluvar University was started in the year 2002 by the Government by enacting the Act No.32 of 2002 in the Tamil Nadu Legislative Assembly. The University is now functioning with 7 Departments with 43 teaching faculties. It has four constituent colleges viz., Thiruvalluvar University College of Arts and Science at Arakkonam, Tittagudi, Kallakurichi, Tirupattur and one PG Extension Centre at Villupuram. There are 486 students studying in PG, M.Phil. and Ph.D. degree courses in the University Departments. 9,523 students are studying in the Constituent Colleges, while another 364 students are studying in PG Extension Centre. In 123 affiliated colleges, a total of 1,71,334 students are studying in UG, PG and M.Phil. degree courses. For the first time, Thiruvalluvar University obtained National Assessment and Accreditation Council (NAAC) Accreditation with CGPA OF 2.25 on 7 point of scale at "B" Grade on 26.09.2018.

4.12.2. Thiruvalluvar University has gone for complete in-house software development for

examination processing, from March 2019 onwards. The University administration has been using the computer systems for their day-to-day activities. The University has initiated the automation of the various sections of the University. All these systems are to be integrated and to be converted into a web based application in order to have an effective administration of University activities. The University has arranged for sanction of Post-Matric Scholarship for the 168 M.Phil. and PG students and 112 Ph.D. students of SC/ST and 210 M.Phil. and PG students of BC/MBC category in the University Departments.

4.12.3. In Thiruvalluvar University campus, Herbal Garden was established with 500 herbal plants and inaugurated by the Hon'ble Governor / Chancellor at the time of 14th Annual Convocation held on 26.10.2018 in Thiruvalluvar University. Permanent Building was constructed at the cost of Rs.3 crore for Thiruvalluvar University Post Graduate Extension Centre, Villupuram and inaugurated by the Hon'ble Chief Minister on 19.02.2019. Language Laboratory was established in Thiruvalluvar

University at the cost of Rs.15 lakh and inaugurated on 04.02.2019.

4.12.4. During the year 2018, the University team has won the first place in the All India Inter-University Men's weightlifting Competition at Kozhikodu. The University team has also won the 3rd place in the All India Inter-University Women's Foot Ball tournament at Patiala.

4.12.5. Three research projects have been sanctioned by the DST for the year 2018-19 with a grant of Rs.54,00,998.

4.12.6. The University has signed MoUs with 3 Foreign Universities / Educational institutions and with 12 Universities / Educational institutions in India.

4.13. TAMIL NADU TEACHERS EDUCATION UNIVERSITY

4.13.1. The Tamil Nadu Teachers Education University was established by the Government in the year 2008 to promote excellence in Teacher Education. It is the only University of its kind in the whole of our Nation. The onus lies on the Tamil Nadu Teachers Education University to provide required capabilities and skills for teacher educators seeking job in the present socio economic conditions prevailing in the highly competitive world. During the past ten years, the University has reached significant level of development. The following 10 Departments of Study and Research are presently functioning in the University with teaching and research activities viz., 1.Department of Pedagogical Sciences, 2.Department of Value Education, 3.Department of Educational Psychology, 4.Department Educational Technology, 5.Department of Curriculum Planning and Evaluation, 6. Department of Educational Planning and Administration, 7. Department of Special Education, 8. Department of Women

Studies, 9. Department of Guidance and Counseling and 10. Department of Educational Measurement and Evaluation. The University has 718 affiliated Colleges of Education including 7 Government, 14 Government aided and 697 self financing Colleges of Education.

4.13.2. The details of the Programmes offered by the Colleges of Education (2018-19)

Sl. No.	Courses / Degree Programmes	No. of Colleges	Admitted Strength
1.	Colleges offering B.Ed. Programme	718	55,497
2.	Colleges offering M.Ed. Programme	145	3,843
3.	Colleges offering B.Sc.,B.Ed Programme	12	610
4.	Colleges offering M.Phil. Programme	23	140
5.	Colleges offering Ph.D. Programme	12	178

4.13.3. The University is offering M.Ed. M.Phil. and Ph.D. programmes to 139 students in the Departments of University and offering B.Ed., M.Ed., B.Sc.,B.Ed., M.Phil. and Ph.D. to 1,21,822 students in the affiliated Colleges.

4.13.4. The University has constituted Internal Quality Assurance Cell as per the guidelines of National Assessment and Accreditation Council (NAAC) issued in November 2017 to prepare the University for NIRF.

4.13.5. The University has signed MoUs with Mother Teresa Women's University, Kodaikanal and Alagappa University, Karaikudi for promoting academic co-operation and collaboration through research and study in furtherance of the advancement of learning. The University annually arranges for sanction of SC/ST Post Matric Scholarship for the 1st and 2nd year M.Ed. students in the University Departments. The University has introduced Automation of Examination Processing System from May 2017 examinations onwards.

4.13.6. The University has introduced 2 year M.Ed. Degree on campus Programme with 50 students as recognized by the National Council for Teacher Education (NCTE) from the academic year 2017-18. The Youth Red Cross Unit (YRC) has been started at this University on

07.12.2017 consisting of 60 students. The University has conducted general checkup programme and eye checkup programme.

4.13.7. The University has completed construction of constituent colleges at Edappadi (Salem) and V.Maruthur (Villupuram) at a cost of Rs.4.8 crore each. Necessary steps are being taken to obtain the National Council for Teacher Education approval for starting up of 4 year Integrated Teacher Education Programme (ITEP) at these colleges from the academic session 2020-21.

4.13.8. The Ministry of Human Resource Development has sanctioned a project under "Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)" for setting up of "Faculty Development Centre (FDC)" and its associated activities viz., conduction of workshop, orientation programme, refresher programme, purchase of equipments etc., with the total financial outlay of Rs.5.38 crore. The construction of Faculty Development Centre with a plinth area of

2104.80 sq.m has been entrusted to PWD, Chennai as a deposit work.

4.13.9. The Indian Council of Social Science Research has sanctioned Rs.1.75 lakh for organizing a National Seminar/Conference on "Skill Development and Goal Setting Strategies for Urban and Rural Students" by the Department of Pedagogical Sciences.

4.13.10. The Government have already accorded its concurrence for the introduction of the following courses from the academic year 2020-21. The University has proposed to introduce the following Teacher Education programmes :

- Four years Integrated Teacher Education Programme (Pre-Primary to Primary) (Appendix-16 as per NCTE Amendment Regulation 2018).

- Four years Integrated Teacher Education Programme (Upper-Primary to Secondary (Appendix-17 as per NCTE Amendment Regulation 2018).

5. TAMIL NADU ARCHIVES

5.1.   The Tamil Nadu Archives formerly known as Madras Record Office was established in 1909. As a vast collection of records of various departments of the erstwhile Board of Revenue, the Secretariat, records from Collectorates, District Courts and the Departments dating from 1670, it is not a mere storehouse of data but a repository of great knowledge.

5.2.   As a storehouse of a vast and diverse collection of rare books and valuable documents in Dutch, Danish and Persian languages, the Tamil Nadu Archives is a non negotiable destination for knowledge of history of the land in its various dimensions. The library of the Archives has books dating from 1633 and has an extensive collection of 2.3 lakh books and periodicals that attracts researchers, academicians and historians from Universities and Colleges across the Globe for research and reference.

5.3. The District Gazetteers of various Districts of Tamil Nadu are published by the

Tamil Nadu Archives periodically. To facilitate preservation of records across the State, 6 District Record Centres are functioning in Thanjavur, Coimbatore, Cuddalore, Madurai, Salem and Tiruchirappalli.

5.4. Preservation of knowledge is preservation of civilization. With this in focus, the Tamil Nadu Archives has taken up the onerous task of preserving documents for future generations. The Archives employs scientific tools to achieve this and through scanning, microfilming, binding, digitizing and other traditional tools, preserves the knowledge that has been stockpiled with the institution very effectively.

5.5. In its continued efforts towards digitization, an amount of Rs.80 lakh had been sanctioned between 2011 and 2016 towards implementation of digital scanning and microfilming of mended records of pre 1900, records of post 1900 and digitization of Indices from the year 1900. This amount was very useful in the purchase of all the necessary paraphernalia of digitization, consumables

and non consumables like computers and peripherals.

5.6. During the year 2016-17, a sum of Rs.47 lakh was sanctioned under Central Financial Assistance for scanning and microfilming of records with a provision for computers and accessories to the 6 District Record Centres. The project was funded to the extent of 75% by the GoI and the remaining 25% was contributed by the State Government. The project has been completed.

Again, during the year 2018-19, an amount of Rs.40.43 lakh has been sanctioned under Central Financial Assistance for microfilming of records.

5.7. The Tamil Nadu Archives implemented a project to improve web access to its records and internal networking systems at a cost of Rs.67 lakh over 2 years of period from 2015 to 2017 with funding from the Tamil Nadu Innovation Initiatives Fund. The efforts towards digitization has been a continuous process. With the e-Governance Initiative Fund of Rs.105 lakh for setting up digital archiving, the Tamil Nadu Digi Archives was established in

2017. The project was implemented through Tamil Nadu e-Governance Agency.

The Archives has made a proposal under Tamil Nadu Innovation Initiative Scheme for digitization of East India Company records, land records and to establish a research and digital information dissemination in the year 2019-20.

5.8. A Research Hall functions in Tamil Nadu Archives and bonafide scholars from the Universities in India and other Countries are admitted to collect required information and data for research from the original sources available with the Tamil Nadu Archives. From the year 2011 to till date the number of research scholars enrolled is 2,136.

5.9. The Tamil Nadu Archives has started issuing copies from its holdings under Right to Information Act, 2005 from the year 2011. In average, the Archives receives 50-80 applications every day and 1,200-1,500 applications every month. As such for the past 8 years, more than 50,000 applicants are benefitted by obtaining required information from the Archives.

6. TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION

6.1. The Tamil Nadu State Council for Higher Education (TANSCHE) was established by an Act of the Tamil Nadu Legislative Assembly in the year 1992 for the promotion and coordination of higher education at the State level and co-ordination of the State level programs with those of the University Grants Commission. The Council will also evolve perspective plans for development of higher education in the State.

6.2. ACTIVITIES /SCHEMES UNDERTAKEN DURING 2017-18 to 2018-19

6.2.1 TANSCHE has constituted the State Integrated Boards of Studies (SIBOS) in the year 2014, to provide compatibility in courses offered by various Universities, autonomous Colleges & Deemed Universities in Tamil Nadu to facilitate the mobility of faculty and students from one university to another and to address the problem of equivalence among courses. The Chairpersons of the respective Boards of Studies from all the State Universities of all Subjects are

the members of the committee. Several meetings were held to arrive the new syllabus for the year 2019-20 and the draft syllabus has been uploaded in the Council website for getting remarks from the educational institutions and the Public.

6.2.2. The Council is also utilizing the services of the Chairpersons of the respective Boards of Studies from all the State Universities of all Subjects in deciding equivalence for courses in different institutions. In the year 2017-18, recommendations on 280 subjects have been sent to the equivalence committee of Tamil Nadu Public Service Commission for taking decision regarding equivalence of subjects. During the year 2018-19, more than 50 issues on Equivalences were decided regarding public services through various Government recruiting bodies and for pursuing higher studies.

6.2.3. Networked Digital Library system enables the students to encourage the use of e-books and the resources available in all colleges and all State Universities. It also enables the faculty and students to have inter

disciplinary and multi-disciplinary approach and have access to the content with National and International standards. This networking work was over and it is under utilization.

6.2.4. "Special Care for Slow Learners in order to Prevent College Dropouts" scheme is executed in 6 Government Arts and Science Colleges and 18 University Constituent Colleges to enable students to complete graduation without arrear. A sum of Rs. 1.25 lakh per college is allocated every year for this scheme.

6.2.5. "Minor Research Project" for Teachers of University Constituent/Government Arts and Science colleges has been initiated to encourage their research interest in the developing fields. During last two years Rs.1,00,000 each for 50 teachers to a total of Rs.50,00,000 have been sanctioned.

6.2.6. "Student Mini Project" for PG students of University Constituent / Government Arts and Science colleges has been initiated to promote research attitude among students. During last two years Rs. 14,55,000 for 97 students have been sanctioned.

6.2.7. Biannual peer reviewed research articles have been published in "Journal of Humanities and Social Sciences" and "Journal of Modern Sciences" to expose students and research scholars to the latest knowledge in their field, to share expertise and disseminate knowledge.

6.2.8. Partial financial assistance have been provided for Government /Government Aided / Self financing Colleges / University Departments to conduct seminars/ workshops/ conference at the National and International levels. During last two years Rs.17,70,000 for 99 Universities / Colleges have been sanctioned under the scheme.

6.2.9. The University Business Collaboration Centres (UBCC) established in 6 State Universities – University of Madras, Alagappa University, Bharathidasan University, Bharathiyar University, Madurai Kamaraj University and Manonmaniam Sundaranar University have been trying to build an "Academia-Industry Interface" to facilitate

internships, industry sponsored research projects, consultancy services, preserve and maintain bio-diversity and also get placements support. These UBCCs help in building tie-ups with industry, enable placement and encourage participation of industry in education through internships, campus placements. During last two years, 116 MoUs have been signed between the Universities and industries to update their curriculum and upscale the students more relevant to the Industries.

7. RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA)

7.1. RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA) scheme is jointly executed by the Central and State Governments with the ratio of 60% Central share and 40% State share. The objective of the RUSA is to enhance the quality of higher education of the Country as a whole. In RUSA, Phase-1.0 which was implemented during 2015 an amount of Rs.428.30 crore was approved by Ministry of Human Resource Development out of which Rs.256.98 crore is Central share and Rs.171.32 crore is State share. Out of the approved amount Rs.337.975 crore has been released in which Rs.208.785 crore is Central share and Rs.129.19 crore is State share.

7.2. RUSA (Phase-2.0)

In 2nd Phase of RUSA during the year 2018, an amount of Rs.615.78 crore was approved by MHRD for 66 institutions, out of which Rs.370.58 crore is Central share and Rs.245.20 is State share for institutions to upgrade infrastructure and for Universities to

promote research, innovation & quality improvement. Out of the approved amount, Rs.116.027 crore has been released of which Rs.71.727 crore is Central share and Rs.44.30 crore is State share.

7.3. Approved Component of RUSA, Phase-2.0

7.3.1. Component 4. Enhancing Quality & Excellence In Selected State Universities

Alagappa University having NAAC score of 3.64 is selected under this component for Rs.100 crore out of which Rs.40 crore has been released. Out of Rs.100 crore, Rs.15 crore is earmarked for Entrepreneur Hub and Rs.85 crore is allocated for research, innovation, quality enhancement and excellence. Entrepreneur Hub can promote the employability of youth from the periphery of Ramanathapuram, Virudhunagar, Sivagangai, Karaikudi, Theni and Thoothukudi. Alagappa University has also proposed to establish research collaboration with foreign universities under this grant.

7.3.2. Component-10 Research, Innovation and Quality Improvement

Rs.300 crore for 6 State Universities viz., Anna University, Annamalai University, Bharathidasan University, Bharathiyar Universtiy, Madurai Kamaraj University and University of Madras, have been selected under this component for an amount of Rs.50 crore each. Out of the approved grant, Rs.15 crore is earmarked for the creation of Entrepreneur Hub and Rs.7.50 crore has been released to each of the Universities. Each University has reserved an amount of Rs.35 crore for research, innovation and quality improvement. These 6 Universities are moving forward to establish collaboration with foreign Universities in their thrust areas of research.

7.3.2.1. Functioning of Entrepreneur Hub

The Hon'ble Prime Minister inaugurated Entrepreneur Hub in 7 Universities on 3rd February 2019. This Entrepreneur Hub will facilitate the easy access of employability for the young graduates. In addition, Entrepreneur

Hubs can enable the students to be JOB GIVERS than JOB SEEKERS.

7.3.3. Component -3 Infrastructure Grants to Universities

Tamil University, Thanjavur and Tamil Nadu Physical Education and Sports University, Chennai have been approved Rs.20 crore each of which Rs.12 crore is Central share and Rs.8 crore is State share to upgrade their infrastructure facilities. Out of this, Rs.10 crore (Rs.6 crore Central share and Rs.4 crore State share) has been sanctioned to each of these universities.

7.3.4. Components-6, 8, 9, 11 & 13

- Colleges are from aspirational Districts Ramanathapuram and Virudhunagar under the component-6 to upgrade as model degree colleges.
- 17 Government aided autonomous Arts and colleges having NAAC score of 3.5 were approved for Rs.85 crore at Rs.5 crore each under component-8 to enhance excellence.

- 34 Arts and Science colleges having NAAC score of 2.5 were approved for Rs.68 crore at Rs.2 crore each under component-9 to upgrade their infrastructure.
- State as a whole has been approved for equity initiatives under the component-11 for Rs.5 crore and two women's colleges, Rani Anna Government College Tirunelveli and Sri Meenakshi Government Arts College, Madurai were approved at Rs.2.5 crore each to construct women's hostel.
- State as a whole has been approved for faculty improvement under component-13 for Rs.7 crore and 2 Universities, Bharathidasan University and Madurai Kamaraj University were approved for Rs.3.5 crore each to establish training centre.

RUSA has encouraged educational institutions to move towards accreditation and autonomy in consultation with Central Government.

8. SCIENCE CITY

8.1.   Science City was established in the year 1998 by the Government to create awareness among students as to significance of Science. Subsequently, the Science City was registered under the Tamil Nadu Societies Registration Act, 1975 in July, 2008. The main objective of the Science City is to take the current Science and Technological developments to the students of Government and Government Aided Schools and Colleges, Teachers. One of its major objective is to create awareness in the society, specifically among students through science themes and facts.

To achieve the aforementioned objectives, Science City organises Science workshops, seminars and training programmes with the help of Eminent Scientists / Technologists / Academicians.

8.2. ACTIVITIES

8.2.1. Chennai Science Festival

The Chennai Science Festival 2019 was organised from 19.02.2019 to 22.02.2019 in the Science City Campus on the theme "Traditional

Sciences of Tamil Nadu". School and College students from all over Tamil Nadu participated along with their scientific innovations being exhibited in the festival. A total of 102 exhibit stalls were put up in the Science Festival of which 40 stalls were allotted to the Central and State Government Organizations and Non Government Organizations to showcase their departmental scientific activities and the remaining 62 stalls by the students of various Colleges and Schools from across the State especially from rural areas so as to exhibit their scientific innovations.

Popular lectures and Panel discussions were also organised as part of the festival on the line of theme of the festival. Apart from the above activities, competitions such as Quiz, Drawing, oratorical and essay were also organised among School and College students. Prizes were given to students who won in the aforementioned competitions and the Best Science Models were also duly awarded during the Valedictory Function of the Festival.

8.2.2. Awards

Best Scientists who have achieved in various branches of Science were chosen and "Tamil Nadu Lifetime Achievement Award for Scientists", "Tamil Nadu Senior Scientist Awards" and "Tamil Nadu Young Scientist Awards" were given to such Scientists for their outstanding work in their specialized branch.

8.2.3. Summer Training Programmes

In order to create a research temperament and motivate students pursuing Post Graduation, students were selected from the Department of Physics, Chemistry, Biology and Mathematics at the State level. 75% students were from rural Tamil Nadu and the remaining 25% students were selected from colleges in and around Chennai. The training programme was organised for a period of 21 days during the summer vacations.

8.2.4. Workshop on Nanoscience and Nanotechnology

A three days workshop on Fundamentals, Applications and current developments of

Nanoscience and Nanotechnology was organised for students of Arts and Science Colleges and Engineering Colleges to create awareness among the students on Frontier Technologies.

8.2.5. Science for Socio Economic Upliftment of Rural Poor Farmers

In order to enhance the socio economic condition of the poor farmers living in rural areas, workshops were organised in association with the Post Graduate Research Institute in Animal Sciences, Tamil Nadu University of Veterinary and Animal Sciences (TANUVAS), Kattupakkam, Kancheepuram.

8.3. PROGRAMMES TO BE ORGANISED DURING 2019–20

- Lectures and demonstrations on Science and Technology for students studying from classes VIII to XII in Government / Government Aided Schools will be organised every month.

- Seminars, Training Programmes and workshops on Science and Technology will be conducted for the students

studying in Government / Government Aided Schools and Colleges.

- "Best Science Teacher Award" to outstanding science teachers working in Government / Government Aided Schools in Tamil Nadu who have motivated and guided students in Science will be given.

- Two outstanding innovators from Rural Tamil Nadu are identified and given the "Rural Innovator Award" which carries a cash prize of Rs.1.00 lakh each.

- Science City proposed to publish monthly Science Magazine "Engum Ariviyal" in Tamil Language for the benefit of Government and Government aided School Children.

- Organising the Chennai Science Festival 2020 as was done during the previous years.

9. TAMIL NADU SCIENCE AND TECHNOLOGY CENTRE

9.1. Tamil Nadu Science and Technology Centre (TNSTC), an autonomous Society under the Department of Higher Education was formed in 1983. Now, it administers Science Centres in Chennai, Tiruchirappalli, Vellore and Coimbatore with the main objective of popularising Science and Technology concepts among the Public. In order to impart education in Astronomy, Planetariums were also established in Periyar Science and Technology Centre, Chennai and in Anna Science Centre, Tiruchirappalli in addition to their Science Galleries and Parks. TNSTC also has a Mobile Science Museum with a mini planetarium, Science Exhibits, telescope and more, which travels all across the State for science communication.

9.2. ACTIVITIES

- Short-term courses, Astronomy Camps and Quiz competitions are conducted periodically.

- TNSTC has also developed Science Park exhibits and established Science parks in various cities of Tamil Nadu.

- Sky Observation Camps are also conducted during astronomical events as well as on a regular basis to observe the night sky through Telescopes. These programmes are very popular among the students and the Public.

9.2.1. INSPIRE Award MANAK Scheme

- TNSTC in coordination with Department of Science and Technology, Government of India, is implementing INSPIRE Award MANAK scheme (Innovation in Science Pursuit for inspired Research - Million Minds Augmenting National Aspiration and Knowledge). The programme is implemented with the objective of attracting young students to study science and pursue research career.

- Under this scheme, an award of Rs.10,000 is given to each selected student in the age group of 10-15 years studying in class VI to X

for preparation of project / model / showcasing of idea and participation in the District Level Exhibition & Project Competition (DLEPC).

- All Middle and High schools are eligible to nominate 2-3 students from their schools, along with a brief write-up of the idea of the student. The shortlisting of students for INSPIRE award MANAK Scheme and mentoring will be provided by National Innovation Foundation (NIF) Ahmedabad, based on the idea submitted by the student.

- During the year 2018-19, 3,363 students were honoured with the Inspire award.

- To enhance student enrolments, a Regional Level Workshop of District Nodal Officers was conducted by Tamil Nadu Science and Technology Centre, in coordination with National Innovation Foundation, Government of India at Chennai. The District Nodal Officers (DNOs) from Tamil Nadu, Puducherry and Andaman & Nicobar Islands attended the programme.

9.2.2. SAKURA STUDENT Exchange Programme

- The Government of Japan, through the SAKURA Programme invites the students, who won Awards in the past INSPIRE Award - National Level Exhibitions and Project Competitions held in New Delhi every year.

- Selected students experience Japan's advanced Science and Technology through visits to Japan's top level universities and research institutes, attending lectures by Japanese Scientists, etc.,

- So far, 14 students from Tamil Nadu visited Japan under this programme through Tamil Nadu Science and Technology Centre.

- This year, a student from Chinnalapatti, Dindigul District got selected for the Award and visited scientific Institutions of Japan during April 2019.

9.2.3. Conduct of Science writing workshop

- Tamil Nadu Science and Technology Centre Organized a science writing workshop in collaboration with the Department of Science and Technology, Government of India on 18th September 2018 to train researchers in basics of popular science writing.

- Under the initiative, Ph.D. students and post-doctoral scholars in all Science and Technology streams would be encouraged to participate in a National competition. The best 100 science articles from Ph.D. scholars will get an incentive of Rs.10,000 each, along with a certificate.

- Out of the 100 best entries, at National level, top three science stories would be awarded cash prizes of Rs.1.00 lakh, Rs.50,000 and Rs.25,000 respectively.

9.3. ACTIVITIES FOR POPULARISING SCIENCE AND TECHNOLOGY CONCEPTS DURING 2019-20

9.3.1. Establishment of Science Centre in Kanyakumari

- To cater to the needs of the people living in Kanyakumari District and its adjoining Districts, a Science Centre (Category II) will be established in Kanyakumari at a cost of Rs.15.2 crore.

- The expenditure for Science Centre will be shared on 50:50 basis by State Government and Government of India. On receipt of grant from the Ministry of Culture, GoI, works for the establishment of Science Centre will begin this year.

9.3.2. Establishment of a Digital Planetarium with new hemispherical dome at Periyar Science and Technology Centre, Chennai

- A Planetarium helps students to grasp abstract astronomical concepts and can spark enjoyment and interest in science. The state of the art Digital Planetarium being established at Periyar Science and Technology Centre can conduct interactive shows that explain celestial phenomena in a simple and illustrative manner. To enhance the image quality, the hemispherical dome at the planetarium was also renewed. The celestial scenes can be recreated using full dome projection technology with immersive effects.

- The works for the establishment of the new dome and the planetarium system are nearing completion. The estimated cost of Hybrid Digital Planetarium System is Rs.10 crore.

9.3.3. Establishment of Innovation Hubs in Regional Science Centre, Coimbatore and in Anna Science Centre, Tiruchirappalli

- Works for establishing an Innovation Hub in a newly constructed building in Regional Science Centre, Coimbatore is nearing completion. The facility was created at a cost of Rs.1.80 crore.

- Similar Innovation Hub is being developed at Anna Science Centre, Planetarium, Tiruchirappalli at a cost of Rs. 1.50 crore. Works for constructing a building is in progress.

- The projects are being implemented on 50:50 cost sharing basis by National Council Science of Museums (NCSM), Government of India, (Ministry of Culture) and Tamil Nadu Science and Technology Centre, Chennai. These facilities will be inaugurated during the year 2019-20.

9.3.4. Incorporation of "Science on a Sphere" facility at Periyar Science and Technology Centre, Chennai

- Science On a Sphere (SOS) is a spherical projection system which presents high-resolution video on a suspended globe rather than a flat screen, with the aim of better representing global phenomena.

- Animated images of atmospheric storms, climate change and ocean temperature can be shown on the sphere to explain these complex environmental processes.

- "Science on a Sphere" is a Proprietary item developed by NOAA (National Oceanic and Atmospheric Administration), USA. The works of establishing the "Science on a Sphere" facility at Periyar Science and Technology Centre, Chennai in an area of 200 sq.m. at a cost of Rs.2.50 crore are nearing completion.

9.3.5. Annular Solar Eclipse - Public Observation Programmes

- During rare astronomical events, Tamil Nadu Science and Technology Centre organizes special programmes to convey the scientific facts on the event to the public and guide them to view the event safely. Training/ awareness programmes are also conducted for school teachers.

- An annular solar eclipse will occur on 26th December 2019. Prior to the event, it is proposed to organize training programmes for the School teachers in the 9 cities of the eclipse path (Udhagamandalam, Coimbatore, Tirupur, Erode, Karur, Dindigul, Sivagangai, Tiruchirappalli and Pudukkottai) on the title "Annular Eclipse and safe observational methods". It is also proposed to organize Special Observational Programmes in different parts of Tamil Nadu for the public to observe the Eclipse safely during the event on 26th December 2019.

9.3.6. Four Day Workshop on 'Hands On Science' for the Teachers of Tribal Schools in Tamil Nadu

Tamil Nadu Science and Technology Centre will conduct a four day workshop on 'Hands On Science' for the Teachers of Tribal Schools in Tamil Nadu. This programme will be organized with the financial support of Vigyan Prasar, DST, Government of India.

9.3.7. Three Day Workshops at Two Places in Tamil Nadu on "Hands On Science" for the Physics Teachers

To bring awareness amongst teachers about low cost teaching aids, especially for learning of Physics, Tamil Nadu Science and Technology Centre will organize two training workshops for the Physics teachers in association with Vigyan Prasar, DST, Government of India, to give extensive training to Physics teachers to teach the subject through low cost teaching aids.

10. TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

10.1. Tamil Nadu State Council for Science and Technology was formed in the year 1984 by the Government as an Autonomous apex body of our State for the development of Science and Technology sector. The Council is implementing many Science and Technology schemes related to research and development, extension and outreach programmes to fulfill its mandate.

The Government have allocated a sum of Rs.2.93 crore during the year 2018-19. The Department of Science and Technology, GoI has sanctioned a total sum of Rs.812.51 lakh for core grant and State Science and Technology programme for the year 2017-18 and Rs.459.60 lakh for the year 2018-19 .

10.2. STUDENT PROJECTS SCHEME

Final year students of U.G / P.G Engineering/ P.G courses of Science / Medicine / Agriculture / Veterinary / Social Sciences are provided with a maximum grant of Rs.10,000 for carrying out research projects. During the year 2018-19,

Rs.66.54 lakh have been utilized to support 700 student projects benefiting 1,772 students of our state.

The Department of Science and Technology, Government of India has sanctioned a sum of Rs.89.76 lakh for three years from 2017-18 onwards for this project. The scheme will be effectively implemented for 2019-20 also.

10.3. TECHNOLOGY DEMONSTRATION PROJECT

• Rural – Urban Connectivity Centres for Technology Dissemination, Research and Livelihood Sustainability.

The above project at a cost of Rs.5 crore for 3 years from 2017-18 onwards, has been sanctioned by the Department of Science and Technology, GoI. The project has four Technology Demonstration components such as Cold storage, Poly House, Mushroom cultivation and Energy from waste. These technology demonstration and popularizing units will be established and used by students, researchers

and farmers so that end users can be given exposure and training.

Department of Science and Technology, GoI has also sanctioned the Solar Photovoltaic – Wind Hybrid Power System to Harness Green Energy project at a cost of Rs.1.94 crore for two years from the year 2019-20 onwards to demonstrate in 3 places in the State.

10.4. SCIENCE AND TECHNOLOGY PROJECTS

Under this scheme, financial support is provided to carryout research in sectors such as Agricultural Sciences, Biological Sciences, Environmental Sciences, Engineering and Technology, Medical Sciences, Physical Sciences, Social Sciences and Veterinary Sciences. During 2018-19, a budgetary allocation of Rs.35.00 lakh has been made to support 14 research projects.

10.5. YOUNG STUDENT SCIENTIST PROGRAMME

This programme motivates school students to take up Science & Research in future as their

career. 40 students studying in IX standard from each District participate in this programme. Selected students from various districts are housed in a reputed College/ University with research facilities and exposure is given on various aspects of Science and Technology. During 2018-19, the budget allocation for this scheme is Rs.25.00 lakh. This programme was conducted in 16 Districts benefitting 640 students.

10.6. YOUNG SCIENTISTS FELLOWSHIP SCHEME

Scientists and researchers of our State below 40 years of age are provided with a fellowship of Rs.10,000 per month for a period of 2 to 6 months in addition to their regular salary by their parent institutions. They take up training or learn sophisticated instrumentation techniques/ modern research methodologies or do collaborative research work with senior scientists in the host Research Centers located in other States. During 2018-19, action was taken to support 11 researchers with a cost of Rs.3 lakh.

10.7. PARTIAL ASSISTANCE FOR SEMINAR/ SYMPOSIUM / WORK SHOP

Educational and Research institutions in the State are provided with partial financial assistance to organize seminar, symposia and workshops. During 2018-19, the budget allocation has been enhanced from Rs.10.00 lakh to Rs.25 lakh and accordingly 125 programmes were supported benefitting 9,500 students.

10.8. POPULARISATION OF SCIENCE AND TECHNOLOGY

Financial support is provided to Universities, Colleges and Voluntary Organizations to propagate Science through conduct of Science Exhibitions, Training Programmes, Popular Lectures on various aspects of Science and Technology. During 2018-19, Council supported 40 organizations with a cost of Rs.7.89 lakh benefitting 3,200 people.

10.9. TRAVEL GRANT FOR YOUNG SCIENTISTS

Young scientists and researchers in Universities, Colleges and Research Institutions below 40 years of age are provided with 50% of

air fare in case of International Conferences and 100% train fare in case of National Conferences. During 2018-19, action was taken to provide Rs.2.5 lakh to 10 Scientists.

10.10. ASSISTANCE FOR SCIENCE & TECHNOLOGY PUBLICATIONS

This Financial assistance is provided to organizations, scientists and authors for publishing science magazines for the benefit of children to enable science and technology publications in Tamil and also to bring out science related books in Tamil for general public. During 2018-19, the budget allocation has been enhanced from Rs.0.5 lakh to Rs.3 lakh which supported 14 publications.

10.11. TAMIL NADU SCIENTISTS AWARD (TANSA)

The objective of this scheme is to recognize and honour the contribution made by our scientists for the development of Science and Technology. State Scientists and Researchers are honoured for their contributions by way of conferring this prestigious TANSA award of Rs.50,000 and a citation. TANSA is given in 10 disciplines of (i) Agricultural Science

(ii) Biological Science (iii) Chemical Science (iv) Engineering and Technology (v) Environmental Science (vi) Medical Science (vii) Mathematical Science (viii) Physical Science (ix) Social Science and (x) Veterinary Science. During 2017-18, Awards were given to 10 Scientists and for the year 2018-19, the selection of TANSA Award is under process.

10.12. CREATION OF SCIENTIFIC AWARENESS

To create scientific awareness among the self help groups, farmers and students in the field of organic farming manure like vermicompost, spirulina production, value added products like millets, organic cleaning materials etc., 10 programmes were organized in 10 Districts with a cost of Rs.6.50 lakh benefitting 1,750 people.

10.13. QUALITY IMPROVEMENT OF SCIENCE EDUCATION IN RURAL SCHOOLS

This scheme enables the school teachers to update their knowledge on the current syllabus and new areas. In-service training is provided to school teachers who are handling the Science

subjects of 6th to 8th standards. This programme is conducted for a period of five days with equal importance to practicals. During 2018-19, 10 programmes were organized in 10 districts with a budget of Rs.9 lakh benefitting 500 teachers.

10.14. DISSEMINATION OF INNOVATIVE TECHNOLOGY

Academicians and Scientists conduct training programmes and workshops under this scheme to disseminate technologies that are useful in improving employment potential and livelihood. During last year 18 programmes were supported with an outlay of Rs.9 lakh benefitting 480 people.

10.15. APPLICATION OF SCIENCE & TECHNOLOGY IN RURAL AREAS

Through Educational and Research Institutions, the applications of Science and Technology are demonstrated in the rural areas in order to make it accessible to rural masses. During 2018-19, 10 programmes were organized in 10 Districts at a cost of Rs.10 lakh benefitting 4,000 people.

10.16. SCIENCE AND TECHNOLOGY CAPACITY BUILDING FOR INDUSTRIAL NEEDS

In this scheme, soft skills Training relevant to Industries is imparted to the final year Polytechnic and Engineering students and motivate them for self employment. This programme is organized with the active collaboration of industries and colleges (including Polytechnics). The budget allocation has been enhanced from Rs.10 lakh to Rs.22.50 lakh, during 2018-19, 15 programmes were organized covering 15 Districts benefitting 4,500 students.

10.17. PROGRAMME FOR BRIDGING THE GAP IN RESEARCH FUNDING FOR RESEARCH SCHOLARS IN COLLEGES

Research scholars in colleges are provided with financial support to conduct their research studies in areas which are relevant and useful for the State. Proposals received from research students of various colleges are evaluated and selected students are supported. During

2018-19, the budget allocation has been enhanced from Rs.15 lakh to Rs.30 lakh so that the number of beneficiaries can be increased from 5 research scholars to 10 research scholars. Accordingly, 10 research scholars were supported under this scheme.

10.18. IMPROVEMENT OF SCIENCE AND TECHNOLOGY INFRASTRUCTURE FACILITIES AT GOVERNMENT COLLEGES

Financial support is provided to improve the infrastructural facilities such as laboratory equipment and instrument facilities in Government Arts and Science Colleges. During 2018-19, action was taken to implement this programme with the budget of Rs.15 lakh benefitting 3 Government Colleges.

10.19. INDIA INTERNATIONAL SCIENCE FESTIVAL (IISF)

The 4th edition of IISF-2018 was organized during 5th – 8th October, 2018 at Indira Gandhi Pratishthan, Lucknow, Uttar Pradesh. The Tamil Nadu State Council for Science and

Technology displayed all the details of Schemes and its achievements and contributions to Science and Technology of our State in the festival.

10.20. PATENT INFORMATION CENTRE

Patent Information Centre (PIC) has established 13 Intellectual Property(IP) Cells in the Universities and Higher Educational Institutions for the welfare of the academicians to promote IP filings. The Centre has conducted awareness programs and workshops in various regions. Through these activities, research scholars, faculties, scientists, entrepreneurs and grass-root innovators get benefitted.

Geographical Indications (GI) of our State namely, "Dindigul Locks" and "Kodaikanal Malai Poondu" filed through the Patent Information Centre are advertised in Geographical Indications Journal in the year 2019.

10.21. CELEBRATION OF NATIONAL MATHEMATICS & SCIENCE DAY

To mark the Birth Anniversary of Great Indian Mathematical Genius Srinivasa

Ramanujan and to commemorate the valuable contribution made by Scientist Bharat Ratna Sir C.V. Raman, Tamil Nadu State Council for Science and Technology with financial assistance of National Council for Science and Technology, Government of India has celebrated the "National Mathematics Day (22ndDecember) and Science Day (28th February)" in Thanjavur, Virudhunagar, Theni and Dharmapuri Districts. Quiz programmes, workshops, exhibitions and awareness rally were organized. 6,584 active students of 139 schools from 14 Districts participated in different events and about 30,000 students and general public visited the whole 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 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 established by an Act of the Tamil Nadu State Legislative Assembly in the year 2010, with the objective to determine standards in college and Scientific Research in Technical Education.

12.2. ACTIVITES

- Organized an International Seminar on "Present Trend of Hybrid Pedagogy in English Language Teaching" with the view to facilitate training of teachers in Technical Universities, by bringing together Professors from Cambridge University, Anna University and imparted Foundation Skills in Integrated Product Development (FSIPD) Training for 180 Engineering College Teachers.

- The Council along with Directorate of Technical Education coordinated the conduct of Technical Examination on behalf of TNPSC for the recruitment of

Technical Assistants for Tamil Nadu Fisheries Engineering Subordinate Service.

- Offered Technical opinion to TNPSC regarding the equivalence of various Technical Degrees on 25 issues.

- Provided financial assistance of Rs.4.04 lakh for India Tourist and Industrial Trade Fair for promoting Technical Education.

12.3. FUTURE PLANS

- Conducting placement officers training Program for the teacher of 585 Engineering Colleges and 520 Polytechnic Colleges with the participation of Industries.

- Creation of Product Development Centers in association with IIT research Park and Industries in Engineering Colleges.

- Creation of Entrepreneurship Development Cell with a view to

encourage students in AICTE approved polytechnic and UG/PG degree technical Institutions and instill entrepreneurial culture.

- Conducting training in collaboration with National Academy of Rural Development and Self Employment Training Institute (RUDSETI) in rural areas for Entrepreneurship Development.

- Creation of regional level cluster based research centers for facilitating the interface between the Academia and the Industry among cluster of Private Engineering Colleges and Polytechnic Colleges.

- Conduct Seminars on the emerging trends in engineering sectors through Engineering Colleges.

- Publishing an exclusive Tamil Nadu State Council for Technical Education (TANSCTE) monthly magazine for Engineering and Polytechnic Colleges.

- Creation of a portal for State level data base of the +2 passed Candidates from all the higher secondary Schools to find their enrolment for higher education by entrusting the work to all Engineering and Polytechnic Colleges.

- Formation of District level committees for increasing Gross Enrollment Ratio and Placements, Research Registration Ratio in Government and aided Engineering and Polytechnic Colleges.

K.P. Anbalagan
Minister for Higher Education

TECHNICAL EDUCATION

DETAILS OF STUDENTS ADMITTED TO FIRST YEAR B.E. / B.TECH. / B.ARCH. DEGREE COURSES IN ENGINEERING COLLEGES FOR THE YEAR 2018-19

TYPES OF COLLEGES	No. of Institutions	OC		BC (Others)		BC (Muslim)		MBC / DNC		SC		SC (A)		ST		TOTAL		Total Admitted
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Government Colleges	10	63	37	993	666	113	40	666	334	326	212	73	24	22	6	2256	1319	3575
Government Aided Colleges	3	242	104	961	626	75	23	351	195	199	109	42	26	12	4	1882	1087	2969
Self Financing Colleges	552	7988	3066	30109	15500	3216	825	15438	6238	11381	6859	1386	1034	478	264	69996	33786	103782
Anna University Constituent Colleges	20	188	175	1898	1235	208	75	1228	654	673	413	93	42	34	8	4322	2602	6924
TOTAL	585	8481	3382	33961	18027	3612	963	17683	7421	12579	7593	1594	1126	546	282	78456	38794	117250

TECHNICAL EDUCATION
DETAILS OF STUDENTS ADMITTED TO FIRST YEAR DIPLOMA COURSES IN POLYTECHNIC COLLEGES FOR THE YEAR 2018-19

TYPES OF INSTITUTIONS	No. of Colleges	OC		BC (Others)		BC (Muslim)		MBC/DNC		SC		SC(A)		ST		TOTAL		Total Admitted
		BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	
Government Institutions	51	108	25	4313	634	496	47	4969	552	2372	447	281	94	107	22	12646	1821	14467
Government Aided Institutions	34	342	44	4619	498	682	38	2849	248	1292	175	194	33	29	5	10007	1041	11048
Affiliated Institutions	4	14	0	89	0	7	0	75	0	66	0	5	0	2	0	258	0	258
Self Financing Institutions	416	4058	433	22394	1638	3607	126	17985	1155	20885	3294	1682	350	630	157	71241	7153	78394
Hotel Management & Catering Technology Institutions	15	2	0	19	0	5	0	13	0	13	1	0	0	0	0	52	1	53
Total	520	4524	502	31434	2770	4797	211	25891	1955	24628	3917	2162	477	768	184	94204	10016	104220

COLLEGIATE EDUCATION

NUMBER OF STUDENTS ADMITTED IN ARTS AND SCIENCE COLLEGES AND COLLEGES OF EDUCATION DURING THE YEAR 2018-19

Types of Colleges	Admitted Strength					
	UG	PG	M.Phil.	B.Ed.	Ph.D.	Total
Government Colleges	74402	16176	1251	925	189	92943
Government Aided Colleges	18023	2655	10	0	4	20692
University Constituent Colleges	72626	13786	1430	1609	699	90150
Self Financing Colleges	144929	19089	4980	51095	748	220841
Total	309980	51706	7671	53629	1640	424626

UNIVERSITIES
NUMBER OF STUDENTS STUDYING IN THE UNIVERSITY CAMPUS DURING THE YEAR 2018-19

Sl. No.	Name of the University	Students Strength		Total
		Male	Female	
1	University of Madras	1429	2042	3471
2	Annamalai University	8793	8536	17329
3	Madurai Kamaraj University	670	734	1404
4	Anna University	9355	6782	16137
5	Bharathiar University	1389	2340	3729
6	Bharathidasan University	974	1343	2317
7	Mother Teresa Women's University	-	679	679
8	Alagappa University	1398	3125	4523
9	Manonmaniam Sundaranar University	649	1325	1974
10	Periyar University	746	1418	2164
11	Tamil Nadu Open University	10	11	21
12	Thiruvalluvar University	160	326	486
13	Tamil Nadu Teachers Education University	81	58	139
	TOTAL	25654	28719	54373

UNIVERSITIES

NUMBER OF STUDENTS STUDYING IN THE DISTANCE EDUCATION DURING THE YEAR 2018-19

| Sl.No	Name of the University	Students Strength			Total
		Male	Female	Trans-gender	
1	University of Madras	43514	41549	6	85069
2	Annamalai University	85429	96798	-	182227
3	Madurai Kamaraj University	11172	16305	-	27477
4	Anna University	1268	1180	-	2448
5	Bharathiar University	13954	11487	1	25442
6	Bharathidasan University	4365	7637		12002
7	Mother Teresa Women's University	-	3297	-	3297
8	Alagappa University	27219	26342	-	53561
9	Manonmaniam Sundaranar University	1932	2810	1	4743
10	Periyar University	1812	1820	-	3632
11	Tamil Nadu Open University	13388	17246	4	30638
12	Thiruvalluvar University	-	-	-	-
13	Tamil Nadu Teachers Education University	-	-	-	-
	TOTAL	204053	226471	12	430536

GROSS ENROLLMENT RATIO IN INDIA, TAMIL NADU AND MAJOR STATES
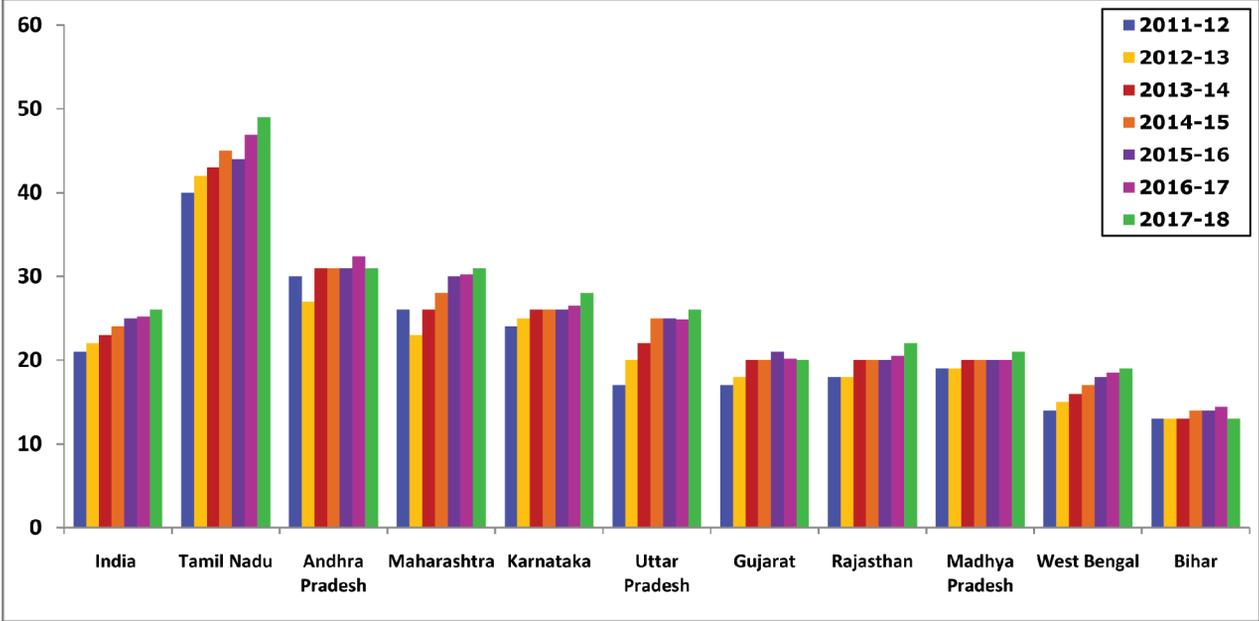
# ENROLLMENT (GENDER WISE) FOR SC AND ST CATEGORY STUDENTS
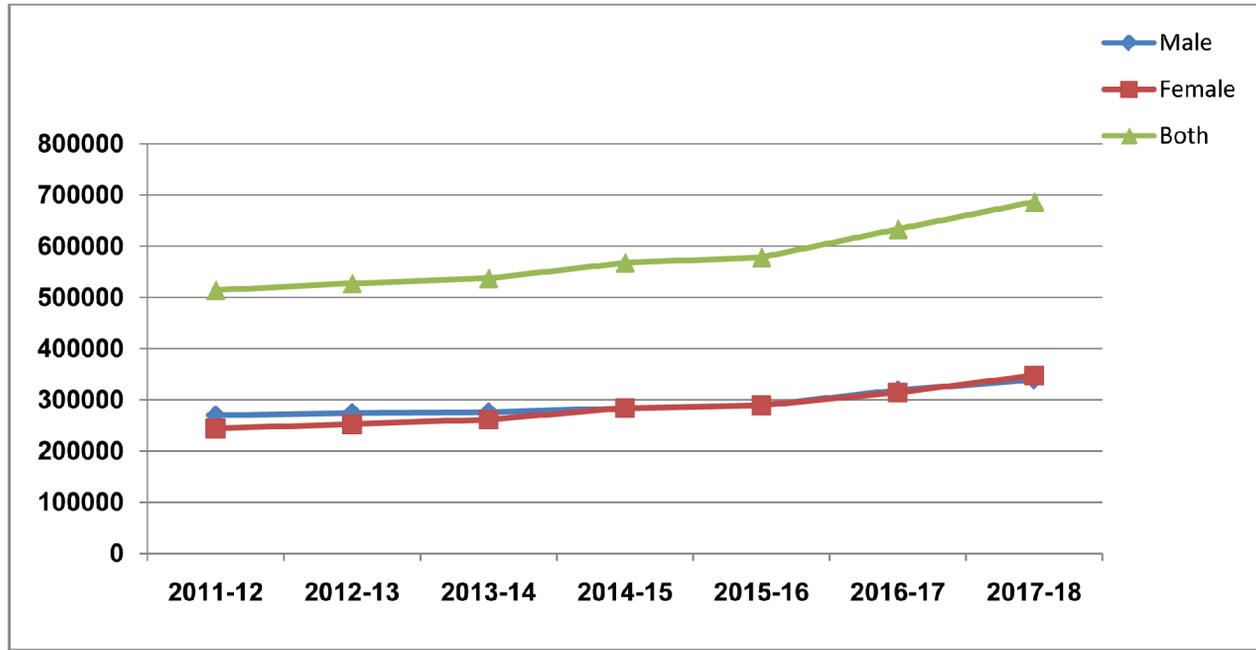
STATE-WISE DUAL MODE UNIVERSITIES (2017-2018)

Jammu and Kashmir, Chhattisgarh, Bihar Odisha, Sikkim 2

Uttarkhand, Punjab 3

Chandigarh, Himachal Pradesh, Meghalaya, Nagaland, Puduchery, Tripura, Arunachal Pradesh 1

Tamil Nadu 16

Haryana, Kerala 4

Delhi, Maharashtra 5

Rajasthan, Assam, Uttar Pradesh, West Bengal, Madhya Pradesh 6

Telangana 7

Andhra Pradesh, Karnataka 8
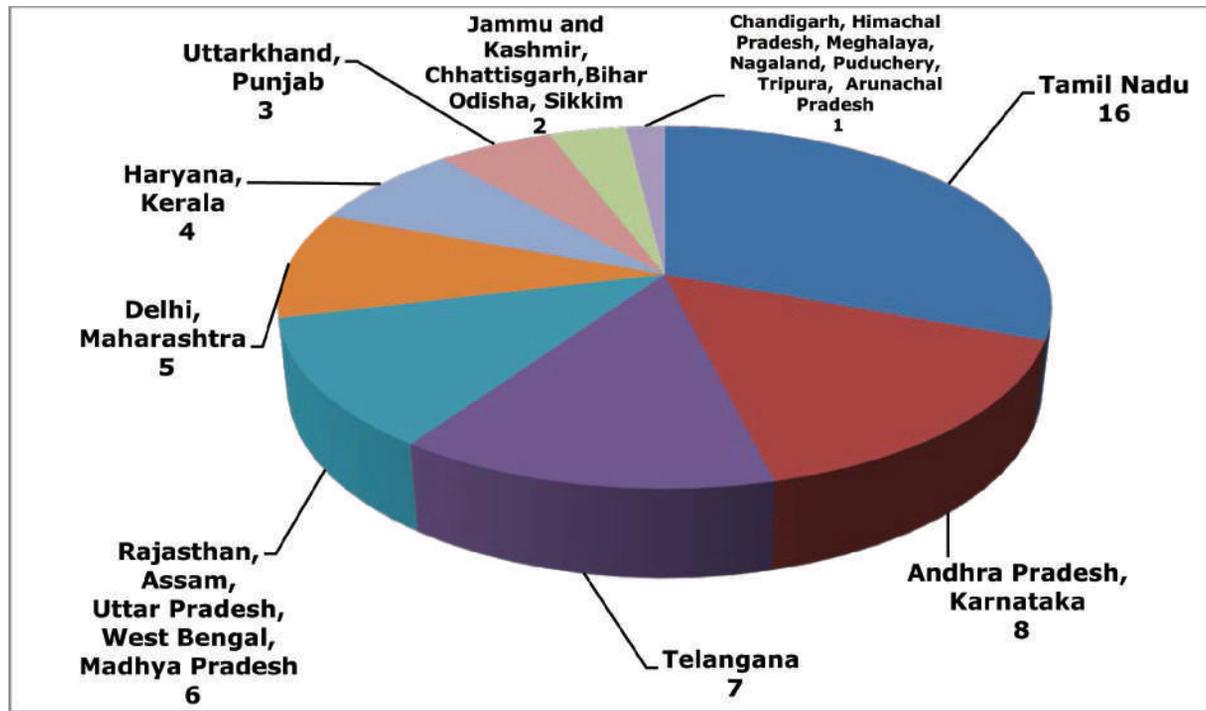
STUDENTS ENROLLMENT AT Ph.D. LEVEL DEGREE FOR THE YEAR 2017-2018
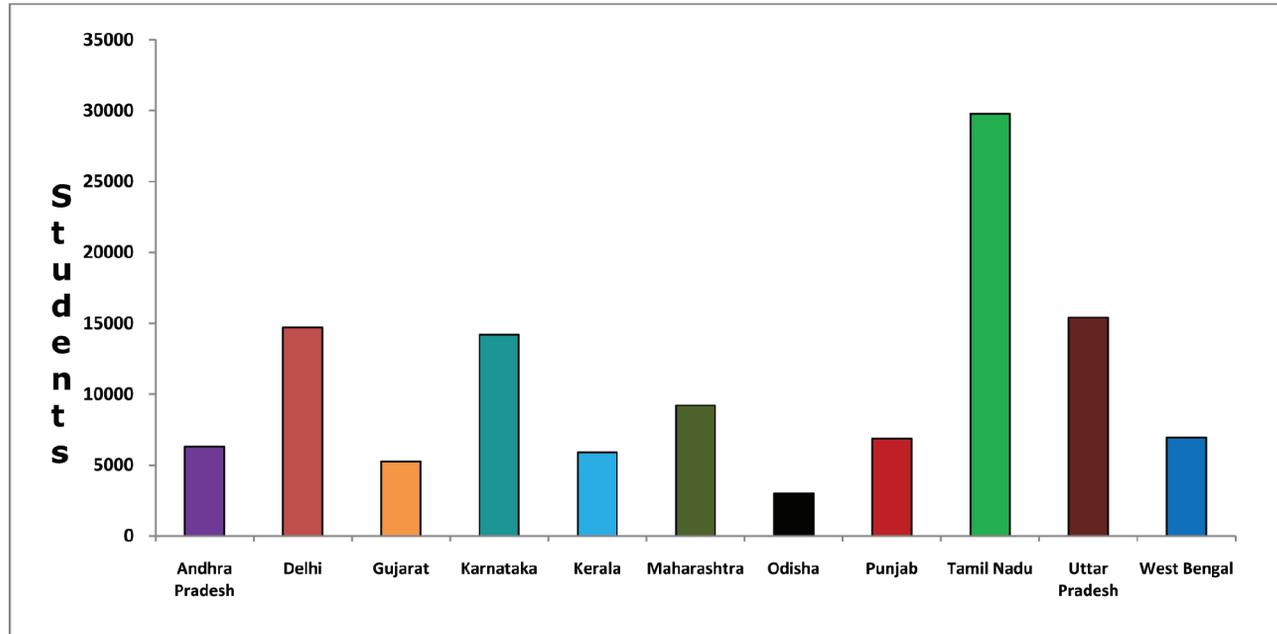
STUDENTS ENROLLMENT AT M.Phil. LEVEL DEGREE FOR THE YEAR 2017-2018

Institutional buildings inaugurated by Hon'ble Chief Minister
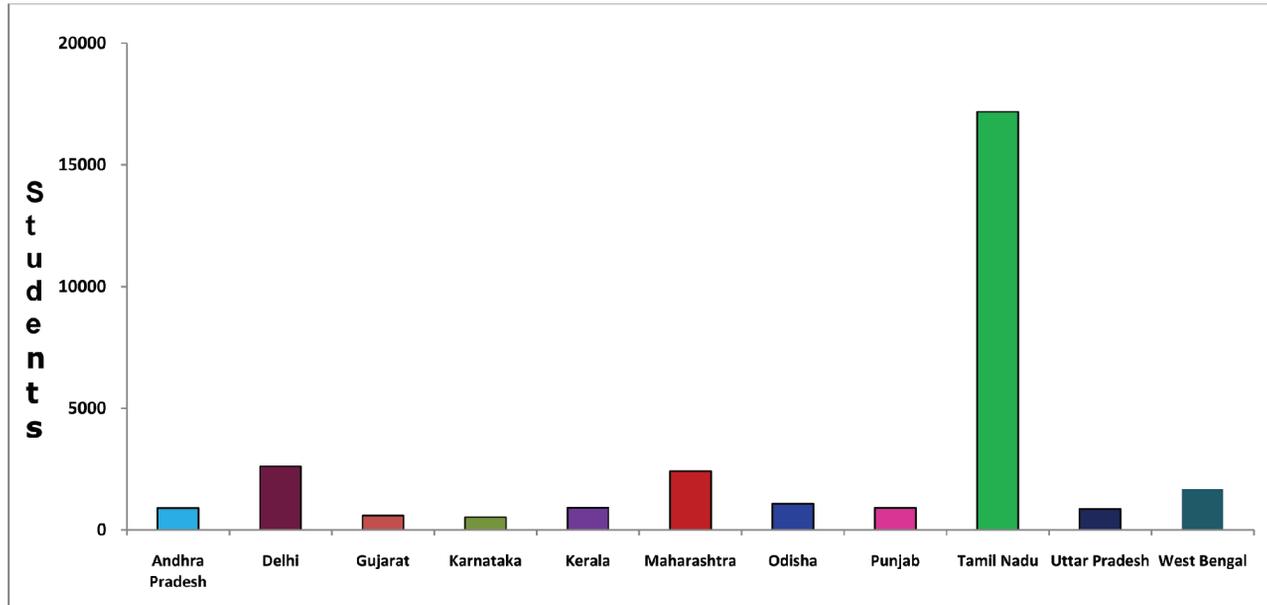
Bharata Ratna Puratchi Thalaivar Dr.M.G.R.Government Arts and Science College, Palacode, Dharmapuri District

Government Arts and Science College, Veerapandi, Theni District

Government Arts and Science College, Mettupalayam, Coimbatore District

Government Arts and Science College, Thiruvadanai, Ramanathapuram District

Bharata Ratna Puratchi Thalaivar Dr.M.G.R.Centenary Buildings

Thiru.Vi.ka.Government Arts College, Thiruvarur
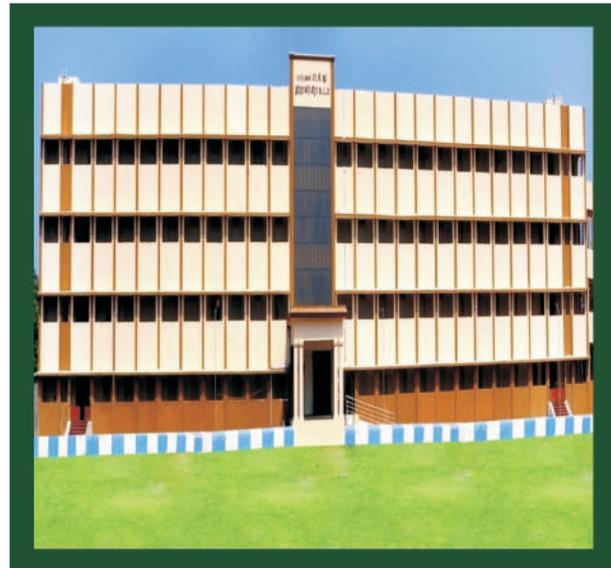
Dr.Ambedkar Government Arts College, Chennai

Buildings for Additional classroom (RUSA) Government Arts College for Women, Namakkal
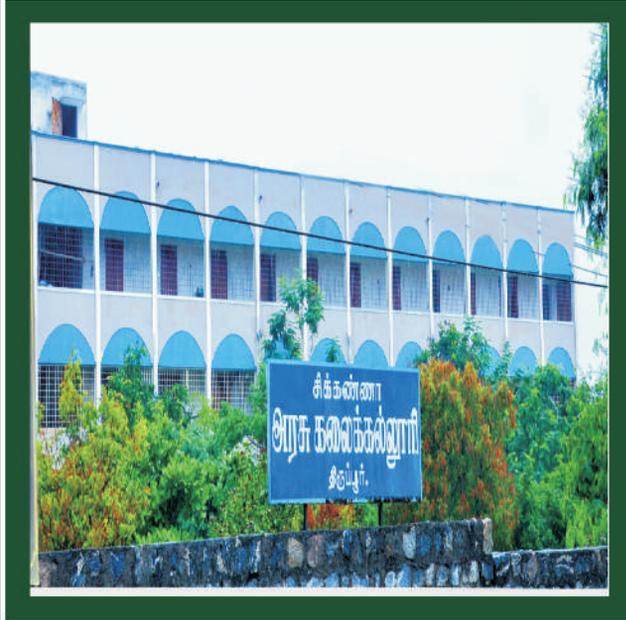
Buildings for Additional classroom (RUSA) Chikkanna Government Arts College, Tiruppur

Building for Boys Hostel, Presidency College, Chennai

Government Polytechnic College, Perundurai, Erode District

Instrumentation Facility Centre, Bharathiar University, Coimbatore

TANSA awardees with the Hon'ble Chief Minister Thiru.K.Palanisamy, Hon'ble Minister Thiru.K.P.Anbalagan, Higher Education Department, Tmt. Girija Vaidyanathan, Chief Secretary to Govt., and Thiru.Mangat Ram Sharma, Principal Secretary to Govt., Higher Education Department – 28.12.2018