HIGHER EDUCATION DEPARTMENT

POLICY NOTE

2018-19

DEMAND No. 20

K.P.ANBALAGAN

MINISTER FOR HIGHER EDUCATION

©

Government of Tamil Nadu

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POLICY NOTE

DEMAND NO.20-HIGHER EDUCATION

2018 – 19

1. INTRODUCTION

*Learning acquired once will
stand in good stead for seven births.*

(Thirukkural 398)

1.1. Tamil Nadu is one of the leading States of India in the field of Higher Education. Tamil Nadu excels in all the three aspects of excellence, access and equity in Higher Education.

1.2. EXCELLENCE

1.2.1. Higher Education Institutions from Tamil Nadu have continuously occupied dominant positions in the National Institutional Ranking Framework (NIRF) over last three years since these rankings began in the year 2016. In NIRF 2018, released by Hon'ble Union

Minister of Human Resource Development on 3rd April 2018, 22 Institutions from Tamil Nadu are ranked among the top 100 in the overall category, 20 Universities in Tamil Nadu are ranked among the top 100 universities in the Country, 19 Engineering Institutions in Tamil Nadu are ranked among the top 100 in the engineering category and 38 Colleges in Tamil Nadu are ranked among the top 100 colleges in the Country.

1.2.2. Seven State universities out of thirteen under the administrative fold of Higher Education Department are among the top 100 in NIRF 2018. These are Anna University (4th), Bharathiyar University (13th), University of Madras (18th), Alagappa University (27th), Madurai Kamaraj University (54th), Bharathidasan University (67th) and Periyar University (90th). Apart from this Annamalai University is ranked in 100-150 band and

Manonmaniam Sundaranar University is ranked in 151-200 band in these rankings.

1.2.3. Among the 13 State universities coming under the aegis of Higher Education Department, 5 (Anna University, Bharthiyar University, University of Madras, Alagappa University and Periyar University) qualified for the second round of the selection process for 'Institute of Eminence' status and were invited for making presentations to the Empowered Committee constituted by Ministry of Human Resource Development, Government of India.

1.3. ACCESS

1.3.1. The people of Tamil Nadu and its Government attach a lot of importance to higher education.

1.3.2. As per the latest All India Survey of Higher Education Report (AISHE) of Ministry of Human Resource Development (MHRD),

Government of India, Tamil Nadu occupies top position among all the states of the country with a Gross Enrolment Ratio (GER) of 46.9 against the National Average of 25.2. This has been made possible due to the presence of Institutions of higher education in the remotest corners of the state and presence of large number of Government Institutions in every field which provide access to higher education to all sections of the society. Female GER in Tamil Nadu stands at 45.6 which is almost double of the national average of 24.5. Similarly, GER for Scheduled Castes in Tamil Nadu is 38.3 as compared to 21.1 for the country. The numero uno position of Tamil Nadu continues in GER for Scheduled Tribes which in Tamil Nadu is 36.0 as compared to the National GER of 15.4.

1.4. EQUITY

Uniformly high GER across all categories, as indicated above, clearly establishes the fact that in Tamil Nadu everyone has an opportunity to go for higher education regardless of his/her economic and social status. This has been made possible due to pioneering schemes like First Generation Graduate Fee Concession, Post Matric Scholarship, Free of Cost Laptops, Scholarships for Weaker Sections, Free Bus Passes, Free Education (in Government Arts and Science Colleges up to Post Graduate level), etc. Prevalence of large number of Government and Government Aided Institutions in several fields of study with adequate reservation to disadvantages sections of society has played a major role in ensuring that higher education does not remain a privilege of selected few, but equal for all.

BUDGET ESTIMATE FOR THE
YEAR 2018 - 19

Under Demand No.20 Higher Education, the Total Outlay is Rs.4620.20 crore.

S.No.	Head of Department	Amount Allotted (Rs. in crore)
1.	Secretariat	5.89
2.	Directorate of Collegiate Education	2490.34
3.	Directorate of Technical Education	1512.76
4.	Universities	496.15
5.	Tamil Nadu Archives	12.47
6.	Tamil Nadu State Council for Science and Technology	2.37
7.	Tamil Nadu Science and Technology Centre	4.61
8.	Science City	1.30
9.	Tamil Nadu State Council for Higher Education	94.10
10.	Tamil Nadu State Council for Technical Education	0.21
	Total	**4620.20**

2. TECHNICAL EDUCATION

2.1. Tamil Nadu occupies a prominent place in manufacturing sector among the States of the Country which has been made possible by the enterprising nature of its people and vast spread of Technical Education at all levels (Degree, Diploma and ITI level). Wide spread Technical Education has ensured the availability of required skilled manpower which is the corner stone for the spread of manufacturing industries in this State.

The Directorate of Technical Education which was established on 14th October 1957, has played a key role in development of technical education in the State. This Directorate monitors and coordinates the development of technical education at Degree and Diploma levels, besides formulation of new courses, development of curricula, undertaking initiatives to develop research oriented activities etc. This Directorate

is also conducting Government Technical Examinations in Type-writing, Short-hand, Accountancy and Certificate courses on Office Automation.

The Government of Tamil Nadu has been a pioneer   by formulating new policies from time to time so as to promote the technical education in this fast changing digital world where newer and newer skills are needed.   The State has large number of technical institutions at Degree and Diploma level, as indicated below:

ENGINEERING COLLEGES				
Government Engineering Colleges	Government Aided Engineering Colleges	Anna University Constituent Colleges	Self Financing Engineering Colleges	Total
10	3	17	550	580

POLYTECHNIC COLLEGES

Government Polytechnic Colleges	**46**
Government Aided Polytechnic Colleges	**34**
Affiliated Polytechnic Colleges	**4**
Self Financing Polytechnic Colleges	**418**
Self Financing Hotel Management & Catering Technology Institutions	**15**
Total	**517**

2.2. ACHIEVEMENTS AND INITIATIVES

2.2.1. Establishment of New Technical Institutions during 2011-12 to 2018-19

In order to provide access to technical education to the economically weaker sections of the society, Government of Tamil Nadu has established 4 new Government Engineering Colleges and 19 new Government Polytechnic Colleges since 2012 as detailed below:

Engineering Colleges

Academic Year	No. of New Colleges started	Place and District
2012 - 13	1	Bodinayakkanur - Theni
2013 - 14	3	Chettikarai - Dharmapuri Sengipatti - Thanjavur Srirangam - Tiruchirappalli

Polytechnic Colleges

Academic Year	No. of New Colleges started	Place and District
2013 - 14	11	Srirangam - Tiruchirappalli Gandharvakottai - Pudukottai Sankarapuram - Villupuram Perundurai - Erode Ariyalur - Ariyalur Uthangarai - Krishnagiri Jollarpettai - Vellore Usilampatti - Madurai Chekkanurani - Madurai Andipatti - Theni Cheyyar - Thiruvannamalai

Academic Year	No. of New Colleges started	Place and District	
2016-17	5	Dr.RadhaKrishnan Nagar	- Chennai
		Kadathur	- Dharmapuri
		Valangaiman	- Thiruvarur
		Ragunathapuram	- Thanjavur
		Kelamangalam	- Krishnagiri
2018-19	3	Kooduveli	- Cuddalore
		Sevvapettai	- Thiruvallur
		Vanavasi	- Salem

A sum of Rs.655.38 crore was sanctioned towards the construction of buildings and a sum of Rs.93.04 crore was allotted towards non-recurring expenditure for purchase of Equipment, Computers, Furniture, Library Books and e-journals and 2,495 teaching and non-teaching posts were created for all 20 institutions (4 Engineering Colleges and 16 Polytechnic Colleges) established from 2011-12 to 2016-17. These institutions are functioning in their own buildings.

2.2.2. Establishment of 3 Government Polytechnic Colleges at Kooduveli in Cuddalore, Sevvapettai in Thiruvallur and Vanavasi in Salem during 2018-19

The Government accorded administrative sanction to establish three new Government Polytechnic Colleges at Kooduveli in Cuddalore District, Sevvapettai in Thiruvallur District and Vanavasi in Salem District from the academic year 2018-19. A sum of Rs.69.00 crore has been sanctioned for the construction of buildings for the above colleges and a sum of Rs.1.50 crore has been sanctioned towards non-recurring expenditure for the procurement of Equipments, Computers and Accessories, Furniture, Library Books and e-journals for first year. A total of 135 posts including 48 Teaching and 87 Non-Teaching posts have been created for the first academic year. The above three Colleges will start functioning from the academic year 2018-19.

2.2.3. Conversion of Co-operative Sugar Mills Polytechnic Colleges in Palacode, Dharmapuri District and Mohanur, Namakkal District into Government Polytechnic Colleges

Co-operative Sugar Mills at Palacode in Dharmapuri District and Mohanur in Namakkal District found it difficult to run the Polytechnic Colleges which were under their control, due to financial constraints. Based on the recommendation of the Department of Sugar, the above two Co-operative Sugar Mills Polytechnic Colleges in Palacode and Mohanur functioning on self-supporting basis have been converted into Government Polytechnic Colleges for the benefit of the students and staff of above institutions.

Due to this conversion into Government Polytechnic Colleges, the students admitted will get the benefit of reduction in fee from Rs.19,500 to Rs. 2,000 per annum and also will

be entitled to get priceless laptops, free bus passes and free first year Text Books at par with the students of other Government Polytechnic Colleges in Tamil Nadu.

A sum of Rs.13.00 crore has been sanctioned towards recurring expenditure for creation of a total of 175 posts including 88 Teaching and 87 Non Teaching Posts and Rs.50.00 lakh has been sanctioned towards non recurring expenditure for the procurement of Equipments, Computers, Projectors, Printers and Books.

These two Co-operative Sugar Mills Polytechnic Colleges will be functioning as Government Polytechnic Colleges from the academic year 2018-19 onwards.

2.2.4. 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 at a cost of Rs.128.00 crore with 50% contribution by Government of India (Rs.64.00 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.

2.3. STARTING OF NEW UNDER GRADUATE (UG) AND POST GRADUATE (PG) DEGREE COURSES IN GOVERNMENT ENGINEERING COLLEGES

2.3.1. 3 new PG Degree courses started at Government College of Engineering, Bargur

In Government College of Engineering, Bargur, Krishnagiri District, 3 PG degree courses viz. Applied Electronics, Computer Science & Engineering and Power Electronics and Drives with the intake of 18 in each course have been sanctioned during the academic year 2017-18. A sum of Rs.134.79 lakh as recurring expenditure for the creation of 9 teaching posts and a sum of Rs.225.00 lakh towards non-recurring expenditure for the purchase of equipments, furniture, computers and library books have been sanctioned.

2.3.2. 2 New PG Degree courses started at Government College of Engineering, Tirunelveli

In Government College of Engineering, Tirunelveli, 2 PG degree courses namely, M.E. Structural Engineering and M.E. Communication Systems with the intake of 18 in each course have been sanctioned during the academic year 2017-18. A sum of Rs.40.77 lakh has been sanctioned towards recurring expenditure for the creation of 6 teaching posts.

2.3.3. Starting of 2 new UG Degree courses at Thanthai Periyar Government Institute of Technology (TPGIT), Vellore

In Thanthai Periyar Government Institute of Technology, Vellore, two UG degree courses of B.E. Electrical and Electronics Engineering and B.E. Computer Science and Engineering with the intake of 60 in each course have been sanctioned during the academic year 2017-18.

A sum of Rs.391.82 lakh has been sanctioned towards recurring expenditure of salaries for the creation of 43 Teaching and Non Teaching Posts and a sum of Rs.215.00 lakh has been sanctioned towards non recurring expenditure for the purchase of Equipments, Computers, Furniture and Library books. These two UG Degree courses will commence from the academic year 2018-19 onwards.

2.4. APPOINTMENT OF TEACHING STAFF IN GOVERNMENT ENGINEERING AND GOVERNMENT POLYTECHNIC COLLEGES

The teachers play a vital role in nurturing the students and bringing out their potential for improving themselves with emerging technological knowledge. With an aim to achieve this, Government have taken steps to recruit the faculty of high standards through Teachers Recruitment Board.

Because of the Government initiative, 340 Assistant Professors in Government Engineering Colleges and 137 Lecturers in Government Polytechnic Colleges have been appointed in last seven years through Teachers Recruitment Board. Action is being taken to fill up 1,058 Lecturer Posts in Government Polytechnic Colleges through Teachers Recruitment Board. Further, 9 vacant Principal posts in Government Engineering Colleges and 30 vacant Principal posts in Government Polytechnic Colleges have been filled-up completely during the year 2017-18.

2.5. DEPLOYMENT OF SURPLUS TEACHING AND NON-TEACHING STAFF OF ANNAMALAI UNIVERSITY IN OTHER GOVERNMENT COLLEGES

As per the direction of the Government, 353 surplus teaching staff of Annamalai University i.e. 86 Assistant Professors in Government Engineering Colleges and

227 Lecturers and 40 Physical Directors in Government Polytechnic Colleges and 376 surplus non-teaching staff of Annamalai University have been deployed in Government Engineering / Government Polytechnic Colleges and PWD Technical Education Circle and Divisions for a period of three years on agreement basis.

2.6. DISTRIBUTION OF FREE OF COST LAPTOPS

The Pioneer Scheme of distribution of free of cost Laptop Computers was introduced by the Government of Tamil Nadu for the students of Government and Government Aided Schools and Colleges to enable them to acquire better computing skills and using e-resources. For the benefit of those students, who joined Government and Government Aided Polytechnic Colleges after passing 10th standard, free of cost Laptops are distributed to them in first year of

study. The number of students thus benefitted are indicated below:

Academic Year	No. of Students Benefitted
2011–12 to 2016–17	1,84,486
2017-18	12,479 (Eligible Beneficiaries identified)
Total	**1,96,965**

2.7. DISTRIBUTION OF FREE TEXT BOOKS

In order to motivate and reduce financial burden of the students who join Polytechnic Colleges, free text books are being distributed to all the First year Diploma students of Government Polytechnic Colleges. Under the scheme, the books are being distributed for the subjects of English, Engineering Physics, Engineering Chemistry and Engineering

Mathematics. The details of the beneficiaries are as follows:

Academic Year	No. of Students Benefitted	Amount Sanctioned (Rs. in lakh)
2012 – 13 to 2016 – 17	52,649	68.08
2017 – 18	12,853	30.16
Total	**65,502**	**98.24**

2.8. WAIVER OF TUITION FEES AND ISSUE OF FREE BUS PASS TO THE STUDENTS OF GOVERNMENT POLYTECHNIC COLLEGES

The facilities of Tuition fee waiver and free bus passes are extended to all the students studying in Government Polytechnic Colleges.

Number of students who have benefitted by these schemes are indicated below:

Academic Year	No. of Students Benefitted
2011 – 12 to 2016 – 17	2,41,635
2017 – 18	46,707
Total	**2,88,342**

2.9. FIRST GENERATION GRADUATE TUITION FEE CONCESSION

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 Engineering Colleges in the State through Single Window

Counselling. Following are the beneficiaries details:

Academic Year	Amount Sanctioned (Rs. in crore)	No. of Students Benefitted
2011 – 12 to 2016 – 17	2,839.88	14,88,773
2017 – 18	434.56	2,17,396
Total	**3,274.44**	**17,06,169**

The First Generation Graduate Tuition fee concession applicable was Rs.20,000 per annum in both non-accredited and accredited courses in Self Financing Engineering Colleges. This has been revised to Rs.25,000 and Rs.27,500 respectively for students admitted in non-accredited and accredited courses in Self Financing Engineering Colleges from the year 2017-18 onwards.

2.10. POST MATRIC SCHOLARSHIP SCHEME

Post Matric Scholarship Scheme was introduced in the year 2011–12 with an objective to uplift the socially disadvantaged students by providing them access to free higher education at all levels. Central and State Governments are jointly implementing this Scheme for the students belonging to SC, ST and SC converted into Christianity. Under this scheme, all compulsory and non-refundable fees fixed by the Fee Fixation Committee, are paid for the students admitted under the Government / Management Quota in Self Financing Institutions (including minority institutions). Since 2013-14, Directorate of Technical Education is coordinating with Adi Dravidar and Tribal Welfare Department for implementing the Scheme. The details of beneficiaries of the scheme are as follows:

Year	Post Matric Scholarship to Engineering Colleges	
	No. of Beneficiaries	Total Amount (Rs. in crore)
2013-14 to 2016-17	4,13,914	2575.23

Year	Post Matric Scholarship to Polytechnic & HMCT Colleges	
	No. of Beneficiaries	Total Amount (Rs. in crore)
2013-14 to 2016-17	2,24,268	475.75

2.11. ENHANCEMENT OF FINANCIAL ASSISTANCE FROM CHIEF MINISTER'S PUBLIC RELIEF FUND FROM Rs.25,000 TO Rs.50,000 FOR B.E./B.TECH. STUDENTS

The Government was providing financial - assistance to economically weaker section students, at the rate of Rs.25,000 each, to enable them to pursue their B.E. / B.Tech. courses. Totally, 259 students were benefitted

during the period from 2011-12 to 2016-17 and Rs.64.75 lakh was disbursed under the Scheme.

The Government has enhanced the financial assistance from Rs.25,000 to Rs.50,000 per student from the year 2017-18 onwards. Students getting First Graduate Tuition fee waiver have also been made eligible to apply for this assistance.

2.12. GRANT OF POST GRADUATE ASSISTANTSHIP TO THE POST GRADUATE STUDENTS STUDYING IN GOVERNMENT ENGINEERING COLLEGES

Announcement was made by the Hon'ble Minister for Higher Education on 15.6.2017 in the Tamil Nadu Legislative Assembly regarding "Grant of PG Assistantship to the Post Graduate 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.

The Government has sanctioned a sum of Rs.4.32 crore per annum towards PG assistantship at the rate of Rs.6,000 per month per student for 600 PG Students studying in 1st and 2nd year in Government Engineering Colleges at Bargur, Coimbatore, Karaikudi, Salem, Tirunelveli and Vellore from the year 2017-18 onwards.

2.13. FOREIGN TECHNICAL TRAINING PROGRAMME FOR 100 STUDENTS FOR 15 DAYS

An announcement was made under Rule 110 of Tamil Nadu Legislative Assembly by the then Hon'ble Chief Minister on 23.8.2016 regarding "Foreign Technical Training Programme for Students of Government Engineering Colleges" with an objective to enhance their Technical

skills and update their knowledge in their respective fields of Engineering.

Under this Scheme, 92 meritorious students from Government Engineering Colleges and Anna University accompanied by 8 faculty members were deputed for Foreign Technical Training Programme in Universities and Technical Institutions in different batches to Spain, Taiwan, Japan and Malaysia for 15 days during the year 2017-18. In order to encourage the students, Hon'ble Chief Minister personally met and congratulated all of them on 4.7.2017. This year also, 99 meritorious students accompanied by 5 faculty are visiting Universities and Technical Institutions in Australia, Germany and Japan for 15 days. All these students met Hon'ble Chief Minister on 16.5.2018. Every year, an expenditure of Rs.1.50 crore is being incurred for this purpose.

2.14. TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)

TEQIP Phase I was implemented during the period from 2004 to 2009 and a sum of Rs.96.50 crore was allocated to enhance the infrastructure and academic reforms in 11 institutions in Tamil Nadu including 5 Government Engineering Colleges and 3 Government Polytechnic Colleges.

TEQIP Phase II was implemented during the period from 2012 to 2017 and a sum of Rs.142.12 crore was allocated to 9 institutions in Tamil Nadu including 4 Government Engineering Colleges, 3 Government Aided Engineering Colleges and 2 University Departments.

Tamil Nadu being one of the well performing States among 22 States who participated in TEQIP-II has been selected for implementation of TEQIP-III as one of the Mentor States. TEQIP-III is a Central Sector Scheme (CSS)

providing 100% assistance to the participating institutions under Direct Benefit Transfer System. In this regard, a Memorandum of Understanding (MOU) has been signed between the State of Tamil Nadu and MHRD, Government of India.

A total of 4 Government Engineering Colleges at Bargur, Coimbatore, Karaikudi and Salem and 2 Government Aided Engineering Colleges at Coimbatore and 1 Government Aided Engineering College at Madurai are participating in TEQIP III. Each of the above 7 institutions is entitled to receive a grant of Rs.7.00 crore during the TEQIP Project period from 2017-18 to 2020-21 to enhance the quality of 7 Mentee Institutions located in four other States through Twinning arrangement.

2.15. ENGINEERING ADMISSION THROUGH SINGLE WINDOW ONLINE COUNSELLING

- The Government introduced a Single Window Counselling for Engineering Admissions to facilitate students to get admitted in a College of their choice, according to merit without having to file multiple applications to different Colleges.

- Students are admitted in Under Graduate Courses in Engineering Colleges based on the marks scored by them in Class XII Board Examinations through Tamil Nadu Engineering Admission (Single Window Counselling) conducted by Anna University as per percentage of Government Quota in total seats as detailed below :

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

- Online Registration and e-payment of registration fee for admission through single window counselling was introduced in the year 2016-17 onwards for convenience of students.

- With an objective of avoiding vacant seats in leading institutions including

Anna University due to movement of admitted students to other streams like Medicine, Agriculture, Veterinary Sciences etc. and to avoid hardship to students and parents in travelling all the way to Anna University, Chennai, the Government has ordered to conduct Online counselling through Tamil Nadu Engineering Admissions (TNEA) from the academic year 2018-19. In order to guide the students to apply online application and for verification of certificates, 42 Tamil Nadu Engineering Admission Facilitation Centres (TFC) have been setup covering all the 32 Districts in the State with at least 1 centre in each District. Additional centres are provided to certain Districts in which more number of Students registered for admission during the last

year. Online Registration for the year 2018-19, started from 3rd May, 2018.

- Admission to B.E. degree courses conducted by Annamalai University, Chidambaram are also included under the Single Window Admission process of TNEA Online Counselling conducted by Anna University from the academic year 2018-19.

2.16. FACILITIES EXTENDED TO SRILANKAN TAMIL REFUGEES

In addition to students belonging to Tamil Nadu, 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 viz., M.B.A./M.C.A./M.E./M.Tech. from the academic year 2011-12 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 a total of 232 students have benefitted from the academic year 2011-12 to 2017-18.

2.17. ESTABLISHMENT OF 5 STUDY CENTERS FOR INDIAN ENGINEERING SERVICES (IES) EXAMINATIONS AT CHENNAI, COIMBATORE, DHARMAPURI, TIRUCHIRAPPALLI AND TIRUNELVELI

In an attempt to tap the potential of the students of Government, Government aided Engineering Colleges and Anna University Colleges and groom them to secure top position in the Indian Engineering Services, the then Hon'ble Chief Minister made an announcement under Rule 110 of Tamil Nadu Legislative Assembly on 23.8.2016 regarding establishment of 4 study centres at Government College of

Engineering at Coimbatore, Dharmapuri, Tiruchirappalli and Tirunelveli and another study centre at College of Engineering, Anna University, Chennai. Accordingly, 5 centres have been established during 2017-18. Through these centres, 1,200 students (240 students from each centre) will be benefitted every year.

2.18. ESTABLISHMENT OF CENTRE OF EXCELLENCE AND 5 TECHNICAL SKILL DEVELOPMENT INSTITUTES

In order to strengthen Technical Education infrastructure, and to promote industry relevant skill programs, to increase the employability of students and to bridge the gap between skills of students and skills expected by industries, the Government have sanctioned establishment of a Centre of Excellence in Madras Institute of Technology Campus of Anna University and 5 Technical Skill Development Institutes in the following institutions:

1. Central Polytechnic College, Taramani

2. Anna University College, Kancheepuram

3. Anna University College, Villupuram

4. Murugappa Polytechnic College (Aided), Avadi

5. Thanthai Periyar Government Institute of Technology, Vellore.

This is being done at a cost of Rs.546.84 crore in association with M/s. SIEMENS and Design Tech. Ltd.

The Government have sanctioned Rs.54.68 crore during 2017-18. Under this scheme, 11 specialized laboratories have been established in Madras Institute of Technology, Chennai and 6 laboratories have been established in the 5 Technical Skill Development Institutes to impart skill training to Diploma and Degree level students and Industrial participants.

2.19. PRODUCTION OF E-LEARNING VIDEO MODULES FOR THE DIPLOMA STUDENTS

In the Tamil Nadu Legislative Assembly the Hon'ble Minister for Higher Education had made an announcement on 15.6.2017 that "e-Learning Video Modules for the Diploma students of Government Polytechnic Colleges will be produced for their easy learning". Accordingly the Government sanctioned Rs.58.00 lakh towards the cost of preparation of 720 e-learning video modules in 36 subjects of 5 Diploma courses in Civil, Mechanical, Electrical and Electronics, Electronics and Communication and Computer Engineering through Educational Multimedia Research Centre (EMMRC) of Anna University. 403 Video modules have already been made available through YouTube for the benefit of the Diploma students.

3. COLLEGIATE EDUCATION

3.1. Arts and Science Colleges have an important role to play in the Higher Education sector, since a large number of students pursue Science and Humanities as courses of their choice. Similarly, good Colleges of Education are critical to producing quality teachers for Schools. For administering Arts and Science Colleges and Colleges of Education in Tamil Nadu, Directorate of Collegiate Education was formed in the year 1965. It was bifurcated from the erstwhile Directorate of Public Instructions which till then was looking after both School Education and Collegiate Education.

The Directorate of Collegiate Education is looking after the following Educational Institutions:

Type of College	Government Colleges	Government Aided Colleges	Self Financing Colleges	Total
Arts and Science Colleges	91	139	516	746
Physical Education Colleges	0	3	8	11
Oriental Colleges	0	4	0	4
Schools of Social Work	0	2	0	2
Colleges of Education	7	14	710	731
University Constituent Colleges	41	0	0	41
Total	**139**	**162**	**1234**	**1535**

3.2. ESTABLISHMENT OF NEW GOVERNMENT ARTS AND SCIENCE COLLEGES

For improving the access to Collegiate Education, Government of Tamil Nadu has

opened 29 new Government Arts and Science Colleges from the academic year 2011 – 12 to 2017-18 in various parts of the State. The details are as follows:

Academic Year	No. of New Government Arts and Science Colleges	Place and District	
2013-14	12	Kangeyam	- Tiruppur
		Kumarapalayam	- Namakkal
		Karimangalam	- Dharmapuri
		Hosur	- Krishnagiri
		Peravurani	- Thanjavur
		Karambakudi	- Pudukottai
		Sivakasi	- Virudhunagar
		Kadaladi	- Ramanathapuram
		Thiruvadanai	- Ramanathapuram
		Mudhukulathur	- Ramanathapuram
		Kovilpatti	- Thoothukudi
		Uthiramerur	- Kancheepuram
2014-15	2	Manalmedu	- Nagapattinam
		Veppanthattai	- Perambalur
2015-16	4	Dr.RadhaKrishnan Nagar	- Chennai
		Veerapandi	- Theni
		Sathyamangalam	- Erode
		Nagercoil	- Kanyakumari

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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	Kattumannar kovil	-	Cuddalore
		Kudavasal	-	Thiruvaur
		Villupuram (Women)	-	Villupuram
		Sirkazhi	-	Nagapattinam
		Thittamalai	-	Erode
		Madhanur	-	Vellore
		Palladam	-	Tirupur
		Palacode	-	Dharmapuri

3.3. INTRODUCTION OF NEW COURSES IN GOVERNMENT COLLEGES

In order to enable the students to pursue higher education in the field of their choice, several new courses have been introduced since 2011-12 to 2017-18. These new courses have not only given more options to students but also helped in improving their employability.

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Academic Year	No. of New Courses introduced	No. of Posts sanctioned
2011 - 16	961	1,934
2017 - 18	271	533
Total	**1,232**	**2,467**

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

In order to productively utilize the excess staff (both Teaching and Non-Teaching) available at Annamalai University, 578 Assistant Professors and 100 Non-Teaching Staff have been redeployed to various Government Colleges on agreement basis for three years.

From 2011-12 to 2017-18, 1,013 Assistant Professors and 206 Non-teaching staff have been recruited through Teachers Recruitment Board and Tamil Nadu Public Service Commission respectively. Further, the Teachers

Recruitment Board is in the process of recruiting 2,334 Assistant Professors in Government Arts and Science Colleges.

3.5. GUEST LECTURERS IN GOVERNMENT COLLEGES

The Shift System introduced by the Government in Government Arts and Science Colleges is being continued every year. During the academic year 2017-18, the Government have sanctioned 1,883 posts of Guest Lecturers for Government Arts and Science Colleges under Shift-I system, till these vacancies are filled through Teachers Recruitment Board. Further, the Government have also sanctioned 1,661 Guest Lecturers under the shift II system. The Guest Lecturers are paid Rs.15,000 per month.

3.6. FREE EDUCATION

Free Education is imparted to the students studying in Government Arts and Science Colleges up to Post Graduate level and in Government Aided Colleges up to Under Graduate level. Details of students benefitted are as follows:

- 2011-12 to 2016-17   : 28,03,033
- 2017-18   : 4,95,578
  Total   : 32,98,611

3.7. FREE BUS PASS TO THE COLLEGE STUDENTS

Free Bus Pass scheme for students studying in Government Arts and Science Colleges and Colleges of Education is being continued every year. Number of Students benefitted under the scheme are as follows:

- 2011-12 to 2016-17   : 8,49,542
- 2017-18   : 1,80,496
  Total   : 10,30,038

3.8. FREE COACHING FOR CIVIL SERVICES EXAMINATIONS

In order to encourage and equip the women students appearing for All India Civil Services Examinations, free coaching classes are conducted at Queen Mary's College for Women at Chennai and Sri Meenakshi Government College for Women at Madurai. A sum of Rs.10.00 lakh per annum is earmarked for this scheme and it is being continued every year.

3.9. JOB FAIR

Placement cells have been established in all Government and Government Aided Arts and Science Colleges for the benefit of the students. A total number of 47,898 students have secured jobs in various companies and organizations since 2011-12. The details are as follows:

- 2011 – 12 to 2016 – 17   :   41,073
- 2017 – 18   :   6,825
  Total   :   47,898

3.10. STIPEND FOR TAMIL MEDIUM STUDENTS

A Scheme of awarding stipend of Rs.400 per student per annum is being implemented to encourage the students of Government and Government Aided Colleges to study in Tamil Medium. Details of students benefitted under the scheme since 2011-12 are as follows:

Academic Year	Expenditure (Rs. in lakh)	No. of Students benefitted
2011 – 12 to 2016 – 17	906.54	2,26,634
2017 – 18	189.37	47,342
Total	**1095.91**	**2,73,976**

3.11. CONDUCT OF SPECIAL COACHING CLASSES

Some students belonging to SC/ST and MBC communities studying in Government Colleges,

particularly in rural areas initially find it difficult to cope with subjects like English, Maths and Science which may adversely affect their self confidence and motivation to continue with higher education. For such students, special coaching is given every year to the students after regular class hours and also during holidays so as to allay their fears and strengthen their knowledge. Number of students benefitted are as follows:

- 2011-12 to 2016-17   : 60,098
- 2017-18   : 9,695
  Total   : 69,793

3.12. STIPEND TO RESEARCH (Ph.D) SCHOLARS

Students undertaking research in various subjects in Government and Government Aided Colleges receive stipend at the rate of Rs.36,000 per annum during their period of research up to

a period of three years. The Research Scholars so far benefitted are:

Academic Year	Expenditure (Rs. in lakh)	No. of Students benefitted
2011 – 12 to 2016 – 17	246.60	685
2017 – 18	51.12	142
Total	**297.72**	**827**

3.13. PROVISION / IMPROVEMENT OF BASIC AMENITIES, FURNITURE AND EQUIPMENT TO GOVERNMENT COLLEGES

To enable the students to pursue their higher education in a better equipped and more comfortable academic environment, the then Hon'ble Chief Minister had sanctioned Rs.100.00 crore for providing / improving various facilities such as furniture, equipments and basic amenities in Government Arts and

Science Colleges, Colleges of Education and University Constituent Colleges.

During 2017-18, the Government have sanctioned a sum of Rs.1.90 crore in order to purchase furniture for students and faculty in 15 Government Arts and Science Colleges.

3.14. COMPUTERISATION OF COLLEGE LIBRARIES

In order to purchase Library Management Software and Hardware for the computerization of libraries in 26 Government Arts and Science Colleges and Colleges of Education, Government have sanctioned a sum of Rs.1.01 crore during the year 2017-18. The scheme is under implementation through ELCOT and will be completed soon.

3.15. POST MATRIC SCHOLARSHIP SCHEME

Post Matric Scholarship Scheme was introduced in the year 2011-12 with an objective

to uplift the socially disadvantaged students by providing them access to free higher education at all levels.

Central and State Governments are jointly implementing this Scheme for the students belonging to SC, ST and SC converted into Christianity. Under this Scheme, all compulsory and non refundable fees are paid for the students in Self Financing Arts and Science Colleges and Colleges of Education (including minority institutions). Since 2013-14, the Directorate of Collegiate Education is coordinating with Adi Dravidar and Tribal Welfare Department for implementing this Scheme.

The details of beneficiaries of this Scheme are as follows:

Year	Type of College	Expenditure (Rs.in crore)	Beneficiaries details
2013 – 14	Arts and Science	86.27	33,330
	B.Ed		
	M.Ed		
Total		**86.27**	**33,330**
2014 – 15 to 2016 – 17	Arts and Science	470.71	6,79,399
	B.Ed	420.51	94,391
	M.Ed	53.40	12,052
Total		**944.62**	**7,85,842**
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**

3.16. SPORTS

Students of Arts and Science Colleges and Colleges of Education have won laurels in various Sports competition at National, State

and District levels. During 2017-18, they have won 66 National, 134 State and 303 District level medals.

3.17. CONSTRUCTION OF NEW BUILDINGS

3.17.1. Newly started Government Arts and Science Colleges

The Government have allotted Rs.221.13 crore for the construction of own buildings to 29 new Government Arts and Science Colleges started during 2011-12 to 2017-18. Among these colleges, the construction work of own buildings for Government Arts and Science Colleges at Hosur, Kumarapalayam, Kangeyam, Uthiramerur, Peravurani, Sivakasi, Karimangalam, Kovilpatti, Karambakudi, Veppanthattai, Manalmedu, Kadaladi, Mudhukulathur, Dr.RadhaKrishnan Nagar (Chennai), Nagercoil and Sathiyamangalam have been completed and buildings put to use.

The construction work of own buildings for Government Arts and Science Colleges at Thiruvadanai and Veerapandi is nearing completion. The construction of buildings for Government Arts and Science Colleges at Mettupalayam, Perumpakkam, Avinashi, Palacode, Kattumannarkoil, Kudavasal, Villupuram (Women), Sirkazhi, Thittamalai, Madhanur and Palladam will be completed this year.

3.17.2. Regional Offices of Collegiate Education

The Government sanctioned a sum of Rs.4.59 crore for the construction of own buildings for the Regional Joint Director of Collegiate Education offices at Tiruchirappalli, Madurai and Tirunelveli. The construction work has been completed and buildings have been occupied.

The Government have allotted a sum of Rs.1.69 crore for the construction of permanent building to the office of the Regional Joint Director of Collegiate Education, Dharmapuri Region and a sum of Rs.1.86 crore for the construction of permanent building to the office of the Regional Joint Director of Collegiate Education, Thanjavur Region. The construction of these buildings will be completed this year.

3.17.3. Construction of Auditorium and Compound Wall

During Puratchi Thalaivar Dr.M.G.R. Centenary Celebration held at Sivagangai District, Hon'ble Chief Minister had announced that Auditorium and Compound Wall for Raja Doraisingam Government Arts College, Sivagangai will be constructed at a cost of Rs.3.93 crore. Accordingly, the Government have accorded administrative and financial sanction for Rs.2.89 crore for the construction of

Auditorium and a sum of Rs.1.04 crore for the construction of compound wall.

3.17.4. Construction of Boys Hostel and Commemorative Arch for Presidency College, Chennai

The Government have sanctioned a sum of Rs.10.00 crore for the construction of new hostel building for boys in the campus of Presidency College, Chennai. The construction work for the hostel is in progress and will be completed this year. Work for construction of Commemorative Arch on completion of 175th Year of the College was taken up at a cost of Rs.40.00 lakh and the work has been completed and inaugurated by Hon'ble Chief Minister.

3.18. MAINTENANCE OF HERITAGE BUILDINGS

People of Tamil Nadu attach a lot of importance to education. Some of the oldest institutions of higher learning were established

in Tamil Nadu which was then part of Madras Presidency. The buildings of these institutions have lot of heritage value.

Hon'ble Deputy Chief Minister had announced in his Budget Speech on 15.03.2018 that the Heritage Buildings of Government Arts College, Kumbakonam, Victoria Hostel of Presidency College, Chennai and Queen Mary's College, Chennai will be renovated at a cost of Rs.26.00 crore. Accordingly, the Government have sanctioned the following works for preservation of Heritage buildings:

- Rs.3.20 crore for the maintenance of Victoria Hostel located in Presidency College campus, Chennai.

- Rs.6.04 crore for Queen Mary's College, Chennai for the maintenance of heritage buildings.

- Rs.14.80 crore for Government Arts College, Kumbakonam for the maintenance of heritage buildings and repair works. Government orders for these works have been issued and tender will be invited soon.

3.19. 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.210.00 crore. These buildings will be named as "Bharat Ratna Puratchi Thalaivar Dr. M.G.R. Centenary Buildings". Accordingly, Government have sanctioned a sum of

Rs.210.00 crore for 68 Government Arts and Science Colleges. The building works are in progress.

3.20. PURCHASE OF DUST BINS

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 Arts and Science Colleges during 2017-18.

3.21. PURCHASE OF NAPKIN VENDING MACHINES

For the welfare of Girl students, the Government have sanctioned a sum of Rs.46.69 lakh for the purchase of Sanitary Napkin Vending Machines to 85 Government Arts and Science Colleges and Colleges of Education during 2017-18. These machines have been installed and put to use.

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

To cultivate leadership qualities and to motivate the helping tendency among the students, National Service Scheme has been introduced in Colleges and Universities in Tamil Nadu since September, 1969. During the financial year 2017-18, Government of India has allotted an amount of Rs.13.91 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 are the Universities 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. The University of Madras was among the first three Universities established in British India in the three Presidencies of Madras, Bombay and Calcutta. It was established on September 5, 1857. Started as an examining body, research and teaching functions of the University were consolidated by the enactment of Madras University Act of 1923. The University has six campuses in Chennai, viz., Chepauk, Marina, Guindy, Taramani, Chetpet and Maduravoyal (Field Lab).

4.1.2. The University has 87 departments/ centres, with 257 faculty and it enrolled 1407 students in Post Graduate courses, 354 students in M.Phil and 233 students in Ph.D programme in the academic year 2017-18. There are 2.78 lakh students in its 133 affiliated colleges and 53 affiliated institutions, of which 23 are autonomous colleges.

4.1.3. Established in 1981, the Institute of Distance Education offers 27 UG courses, 22 PG courses, 18 professional courses and 30 certificate/diploma courses to 73,900 students. The University has established 2 Constituent Colleges at Nemili and Thiruvottriyur.

4.1.4. The NAAC awarded a high CGPA of 3.32 (A+ according to new grading system) to the University in 2014. The University has been ranked 18th among Universities and 29th among all Higher Educational Institutions under NIRF 2018 Ranking.

4.1.5. The UGC has given the full graded autonomy to the University of Madras in March, 2018. This gives full autonomy to the University to start courses in Distant Learning Mode and in online and off-campus modes as well. Among many other things, the University can start new courses, recruit foreign faculty and enroll foreign

students. This is a fitting recognition of the academic excellence that the University has been maintaining.

4.1.6. The UGC provided Rs.54.77 crore for various programmes during the period 2012-18, including the schemes under the XII Five Year Plan. The Government of India through its various Ministries and bodies such as MHRD, DBT, DST, DRDO, CSIR, ICMR, etc provided Rs.72.20 crore for creating research and infrastructure facilities in the last six years. Under the University with Potential for Excellence (UPE) Phase II Programme, projects on 'Bio-medical Research and New Materials Research' are in progress as part of the holistic development with a total grant of Rs.25.00 crore.

4.1.7. The University of Madras has also established the Sangappalagai for Tamil Development with a faculty on the

occasion of 200th Birth Anniversary of Dr.Robert Caldwell, a Tamil Scholar. The University has established 7 Centres for research under UPE scheme. The University is the only university amongst public funded universities to host both Technology Business Incubator and Techno Entrepreneur Promotion Outreach Centres.

4.1.8. The University has been implementing many student friendly schemes viz. Single Window admission in Institute of Distance Education (IDE), Madras University Free Education Scheme both at University and Constituent Colleges, Students Insurance Scheme, Tele-education and e-learning platform under Tele-education, Talking Library for visually impaired, Sports facilities, Student Amenities, Wi-Fi and Internet facilities, and various Fee concessions. Admissions to the University

Departments have been made online from 2016-17 onwards.

4.1.9. The University has undertaken digitization of Ph.D theses and uploaded more than 4,000 Ph.D theses in Shodhganga, a UGC online depository. University of Madras is ranked 9th among all universities in uploading large number of Ph.D theses.

4.1.10. The Government of India has approved proposals worth of Rs.20.00 crore under RUSA I for various research and infrastructure facilities and the University has already utilized Rs.14.41 crore.

4.1.11. The University has signed a Memorandum of Agreement with NSDL to digitize the degree certificates issued from the Academic Year 2018-19.

4.1.12. Activities to be undertaken in 2018-19

(i) The University proposes to further the paperless working environment by automation of administration with e-Governance. Public Finance Management System is to be introduced for all the externally funded programmes in academic and infrastructure areas.

(ii) All the three modes of teaching – direct class room lectures, distance education mode and online courses will be offered. Students can seamlessly shift from one mode to another for continuing education. Choice Based Credit System will be introduced in Distance Education.

(iii) The University has brought in necessary regulations to introduce

flexibility in core courses, credit transfer facility to promote students mobility between institutions in the country as well as in foreign countries and lateral entry from regular courses to courses in IDE and vice-versa.

(iv)   The National Council for Teacher Education has approved introduction of 2-year B.Ed course through IDE from the academic year 2018-19 and the same will be started this year.

(v)   Online courses offered through SWAYAM and NPTEL were already approved by the Academic Council of the University and such courses will be offered from the academic year 2018-19. UGC has recognized the Human Resource Development Centre of University as a National Resource Centre to produce and upload online

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courses in "Political Science and International Studies" and this programme will be initiated in this academic year.

(vi) With UGC financial assistance a "Fitness Centre with Sports Science backup facility" will be constructed at a cost of Rs.2.42 crore in 2018-19.

(vii) The University has proposed to introduce three new Post Graduate programmes in 2018-19, viz., Executive M.B.A., M.A. (Saiva Sidhanta – Self Study) and M.Com. (Big Data Science).

4.2. ANNAMALAI UNIVERSITY

4.2.1. Annamalai University, established in the year 1929, was the second University in the State of Tamil Nadu and 14th in the country. By the Annamalai University Act 2013, the University has been brought under the control of the Government of Tamil Nadu.

4.2.2. The University offers 387 on-campus programmes, which includes Ph.D., M.Phil., Post Graduate and Under Graduate Degrees, P.G. Diploma and Diploma through 52 Departments of Teaching under the faculties of Arts, Science, Marine Sciences, Indian Languages, Education, Fine Arts, Engineering and Technology, Agriculture, Medicine and Dentistry. Out of the 2552 Teaching staff of Annamalai University, 1003 surplus teachers have been deployed to the Government Colleges/ State Universities for a period of three years on agreement basis.

4.2.3. The University had on its roll 2,00,101 students during the year 2017-18, of which 21,256 students are in the Regular Mode and 1,78,845 are in the Distance Mode.

4.2.4. The University has established the Department of Sports Science with the financial assistance of Rs.25.00 crore from the Ministry of Youth Affairs and Sports, Government of India. A chair has been established with the aid of Annamalai University Engineering and Technology Alumni Association (AUETAA), Chennai, during the year 2017. This chair will facilitate Industry-Institute interaction and opportunities in placements for stakeholders.

4.2.5. Rs.6.87 crore has been sanctioned as Tuition Fee Concession to 3,003 students under the First Generation Graduate Tuition Fee Concession Scheme during the academic year 2017-18. Rs.16.61 crore has been sanctioned to 5,496 University students [SC/ST/SCC Student]

under the Post Matric Scholarship Scheme during the academic year 2017-18.

4.2.6. Under regular mode, M.E. Information Technology Programme has been introduced as new programme under the Faculty of Engineering & Technology during the year 2017-18. M.Sc. Energy Auditing and Management, Diploma in Teaching, Diploma in ICT in Education, Diploma in Pre-Primary Education and Diploma in Health and Nutrition programmes have been introduced during 2017-18, under distance mode.

4.2.7. The University is providing Consultancy Services to NLC India Ltd., Neyveli for land use and land management, especially for identifying water recharge zones. Wi-Fi facility is extended to the entire campus through an MoU with JIO for the benefit of students. Department of Science and Technology (DST), Government of India sanctioned Rs.33.91 crore

under Phase II of Promotion of University Research and Scientific Excellence (PURSE) programme to develop scientific infrastructure of the University. In addition to this, Rs.1.91 crore and Rs.4.85 crore received from DST and DST FIST respectively for the development of Infrastructure and Research activities. Rs.2.82 crore has been received as financial assistance from AICTE, Department of Biotechnology, Department of Space, Ministry of Earth Sciences, Council of Scientific & Industrial Research, Indian Council of Medical Research and DRDO – Ministry of Defence, Government of India. Further, Rs.4.61 crore has been received from private agencies for Consultancy Services. In total, the University has received Rs.48.10 crore as financial assistance from the above mentioned Institutions.

4.2.8. The University has signed 10 MoUs with International Institutions and 9 MoUs with National Institutions during the academic year 2017-18. The Patent Office of Intellectual Property of India has granted a Patent on 31.01.2018 to Annamalai University for an invention of the Chemistry Department under the Faculty of Science entitled "CYCLOMETALATED IRIDIUM (III) COMPLEXES FOR LIGHT EMITTING DIODES". Under the exchange of Students and Teachers with the Foreign Universities, 6 Teachers have been sent to Universities in Taiwan, China, Australia, France, Sweden and Sri Lanka and 6 students have been sent to the Universities in Taiwan, China, Scotland and Sri Lanka.

4.3. MADURAI KAMARAJ UNIVERSITY

4.3.1. Madurai Kamaraj University, established in 1965 through Madurai Kamaraj University Act, and inaugurated on 2nd February 1966, is a pioneer institution contributing richly to the development of the State and Nation by providing world class Higher Education. Presently the territorial jurisdiction of Madurai Kamaraj University extends to revenue districts of Madurai, Dindigul, Theni and Virudhunagar.

4.3.2. The University has 77 departments under 20 schools. It administers 82 affiliated colleges, 4 evening colleges, 6 Constituent Colleges and 11 approved institutions. Total number of faculty members in University is 166.

4.3.3. Total number of PG students in University Departments is 1074 and UG/PG students of Constituent Colleges is 5032. A total of 5,359 Ph.D students are registered and doing

their research in university departments, affiliated colleges and approved institutions. More than 1,50,000 students are on roll in the affiliated colleges of Madurai Kamaraj University. Besides, Madurai Kamaraj University has a Distance Education Directorate with an enrolment of about 1.25 lakh students.

4.3.4. Under NIRF ranking for the year 2018 the Madurai Kamaraj University has obtained 54th rank under University's category and 81st Rank under over all category. The University has obtained 2nd rank under 'Swachh Bharath' ranking under Government Institutions category.

4.3.5. Establishment of 82 smart class rooms, e-Governance system, Campus Wi-Fi, Advanced library automation with large collection of e-Books, Multi Specialty Hospital, Modernisation of hostel kitchens, Rain Water

Harvesting and Modern Fitness Centre were taken up in 2017-18 from the RUSA, Phase I infrastructure grant.

4.3.6. The University has disbursed scholarship / fellowship grants to the tune of Rs.5.09 crore benefiting 696 students and research scholars. The Post Matric Scholarship and Ph.D. Fellowship to the tune of Rs.54.40 lakh have been disbursed to the students by the University.

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 for the benefit of people working in these sectors and for the general public. The IAS Study Circles have been launched recently in 6 Constituent Colleges of Madurai Kamaraj University, so as to motivate and empower the rural students to succeed in

the Civil Services Examinations, conducted by the Union Public Service Commission.

4.3.8. The University has been re-accredited by NAAC with 'A' grade in the 3rd Cycle. A young Faculty from the School of Bio-technology has received an award of International Fellowship for the Young Bio-medical Scientists for the year 2016-17 from the Indian Council of Medical Research, New Delhi and another young Faculty has been awarded the fellowship by the Indian Association of Applied Microbiologists. The Networking Resource Centre in Biological Sciences (NRCBS) is a unique UGC supported programme and got the appreciation of UGC empowered committee for its service of extending the research expertise, facility and for conducting research training to the faculty and students across the country.

4.3.9. University has been sanctioned Rs.7.23 crore of research and other grants from the agencies UGC, DST, DBT, etc. during the year 2017-18. The DST PURSE Phase II program has been implemented with the release of Rs.2.41 crore for the procurement of essential scientific equipments, for engaging manpower, for the purchase of research consumables and to conduct scientific conferences in the University.

4.3.10. During the year 2017-18, the Hon'ble Chief Minister of Tamil Nadu declared open the new buildings constructed for the Madurai Kamaraj University Constituent Colleges at Thirumangalam, Vedasandhur and Kottur. These buildings were constructed at a cost of Rs.7.25 crore, Rs.7.25 crore and Rs.8.00 crore respectively with the funds from the Central and State Government and the University.

4.3.11. Madurai Kamaraj University has signed 25 MoUs with leading National and International Institutions. During 2017-18, the University has signed a Memorandum of Understanding (MoU) with the Eastern University, Sri Lanka, the Binary University, Malaysia University rated 5 star by the Ministry of Higher Education, Malaysia and Kuwait University. These MoUs will provide the opportunity to promote research and academic activities along with the faculty and students exchange programmes. Faculty and students of the University have filed and obtained 49 patents.

4.4. ANNA UNIVERSITY

4.4.1. Anna University, the single largest technical university in India, continues to be the leader in technical education in the country. This prestigious University was established on 4th September, 1978, as a unitary type University by integrating four well known technical institutions in the city of Madras (now Chennai), College of Engineering, Guindy (CEG) established in the year 1794, Alagappa College of Technology (ACT) established in the year 1944, Madras Institute of Technology (MIT) established in the year 1949 and School of Architecture and Planning (SAP) established in the year 1957. Now it is an affiliating type University with all the engineering colleges of the State under its umbrella. The University now has 4 Campuses at Chennai, 4 Regional Campuses at Tirunelveli, Madurai, Tiruchirappalli and Coimbatore and 13 Constituent Colleges.

Further the University has affiliated 613 institutions covering all the Government, Government Aided and Self Financing Engineering Colleges and MBA /MCA Standalone institutions across the State.

4.4.2. Anna University offers 29 UG and 78 PG programmes with 15,544 students (Male-9,091 & Female-6,453) in the University Departments, 41 UG & 57 PG Programmes in Affiliated Institutions with 5,72,466 students (Male-3,77,975, Female-1,94,480 and Transgender-11) and 3,415 PG students (Male-1,730 & Female-1,685) on roll in Distance Education programme. Anna University is proud of having 14,946 Ph.D. scholars (Male-10,910 & Female-4,036) on its roll.

4.4.3. Anna University was re-accredited by NAAC, 'A' grade, with a CGPA of 3.46 on 4 for a period of five years from 24th September 2014. UGC has recognised Anna University as

"University with Potential for Excellence (UPE) in Bio Medical Engineering" and released a sum of Rs.23.12 crore as first instalment during the year 2016-17. Anna University secured the 85th rank as per QS (Quacquarelli Symonds) University Rankings, BRICS 2018. 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. Anna University has filed for 129 invention patents and has been granted 20 National patents and 7 International patents. Anna University has achieved 4th Rank in the Universities category, 6th Rank in Architecture, 8th Rank among Engineering Institutions and 10th Rank in the Overall category as per the MHRD – National Institutional Ranking Framework (NIRF 2018). During the year 2011-12 to 2017-18, Anna University has signed 59 MOUs with Foreign Universities/Institutions and 42 MOUs with Institutions/Industries at

National Level. 403 sponsored research projects for a total value of Rs.125.08 crore, 5,833 consultancy services for a total value of Rs.151.86 crore and 9104 testing works for a total value of Rs.3.67 crore were carried out during the period from 2011-12 to 2017-18.

4.4.4. UGC has recognized 14 Department of Anna University for support under the Special Assistance Programmes for a period of 5 years and sanctioned Rs.16.98 crore. The Department of Science and Technology (DST) has recognized 16 Departments of the University under the "Fund for Improvement of Science and Technology Infrastructure" (FIST) scheme to receive infrastructural grants amounting to a total of Rs.16.40 crore. DST has recognized Anna University as eligible to receive grants under the "Promoting University Research in Scientific Excellence" (PURSE) Scheme. Under phase II of the scheme, a sum of Rs.35.60 crore

has been sanctioned in 2014 and in November 2017, a sum of Rs.8.60 crore has been released.

4.4.5. As per the announcement made on the floor of the Tamil Nadu Legislative Assembly, by the Hon'ble Chief Minister of Tamil Nadu, under Rule 110, Rs.20.00 crore has been sanctioned for the design and development of Unmanned Aerial Vehicles (UAV) to make use of them during natural calamities and to keep a check on security threats and dangers.

4.4.6. Additional class rooms and laboratory space for the Textile and Apparel Technology Department built at a cost of Rs.8.00 crore, in ACT Campus, Anna University were inaugurated by the Hon'ble Chief Minister of Tamil Nadu on 04.03.2017.

4.4.7. Third Edition of India International Science Festival was conducted in Anna University premises during the period from

13.10.2017 to 16.10.2017, for the first time outside New Delhi. Stalls were put up to exhibit innovative practices and Technological capability of Anna University. Unmanned Aerial Vehicles of various nature which are used for surveillance purpose and for mapping etc., were kept on display. Anna University coordinated several sensitization programmes and events like start up summit, innovate summit, Science film festival, Women Scientist and Entrepreneurs Conclave etc., The Hon'ble Vice-President of India participated in the Valedictory function on 16.10.2017.

4.4.8. "New India – We Resolve to Make" Exhibition was held at Anna University on 27.08.2017. The Hon'ble Vice-President of India participated in the event and interacted with the students. The programme was organized as part of 75 years of the "Quit India" movement

celebrations with exhibits related to freedom movement of the Freedom Fighters.

4.4.9. Educational Multi - Media Research Centre (EMMRC) at Anna University has achieved the highest production of e-TV programmes (742 video modules) and e-content (583 video text modules) among the 21 EMMRCs in the Country. The Hon'ble Chief Minister of Tamil Nadu, inaugurated the School of Architecture and Planning, Diamond Jubilee Building on 02.02.2018 constructed at a cost of Rs.4.35 crore. On the Republic day 26.01.2018, Anna University coordinated a float highlighting the various activities and achievements of the Tamil Nadu State Higher Education Department which won the second prize.

4.4.10. DEFEXPO India 2018, the tenth in the series of biennial Land, Naval and Internal Homeland Security Systems Exhibition, was held at Chennai, from 11th to 14th April 2018.

Anna University exhibited its innovative products related to the development of Unmanned Aerial Vehicles under the Tamil Nadu Innovation Initiative scheme.

4.4.11. Proposal to get recognized as the Institute of Eminence (IoE) has been submitted to the University Grants Commission for funding to the extent of Rs.1,000 crore and the necessary details have been presented before the Empowered Expert Committee on 07.05.2018. As announced by the Hon'ble Chief Minister, Anna University will introduce four Under Graduate courses with a sanctioned strength of 720 seats during the academic year 2018-19, in the 3 Regional Centres at Tirunelveli, Madurai and Coimbatore.

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 offered besides M.Phil. and Ph.D. programmes. During 2017-2018, 2616 PG students, 212 M.Phil. scholars and 252 Ph.D. scholars are pursuing education. Moreover, 26,750 students were enrolled for various courses through Distance Education programme.

4.5.2. The University covers four districts viz., Coimbatore, Erode, Tirupur and Nilgiris and governs 121 affiliated colleges - of which 11 are Government colleges, 05 are constituent colleges [Valparai, Gudalore, Modakkuruchi (Sivagiri), Pollachi and Thondamuthur], 16 are aided colleges and the remaining 89 are self-financing colleges. Bharathiar University has

28 colleges with Autonomous Status under its purview.

4.5.3. Currently 1,84,766 students (82,037 students of formal education and 1,02,729 students of distance education) are studying in undergraduate, postgraduate, diploma and research programmes in the University Departments, Affiliated Colleges and School of Distance Education.

4.5.4. For the year 2017-18, 432 students were benefited under Post Matric Scholarship scheme for SC / ST / SCC to the tune of Rs.59.53 lakh and 1,157 students were benefited under Government of Tamilnadu Post Matric Scholarship for BC / MBC / DNC to the tune of Rs.65.19 lakh.

4.5.5. During the year 2017-18 the University has received Financial Assistance from UGC and other agencies for Rs.678.96 lakh.

4.5.6. Bharathiar University has achieved 13th rank among Arts & Science Universities and 20th rank in the Overall category in NIRF India Ranking 2018 by MHRD, Government of India. Continuously for the last three years this University is maintaining its rank within top 30 in NIRF ranking.

4.5.7. Bharathiar University excelled in Government of India's Digital Financial Literacy programme 'VISAKA' and achieved Second Rank among Top 20 Institutions out of 4896 Institutions. For this, an award was given to Bharathiar University by MHRD during the VISAKA National Convention at Vigyan Bhawan, New Delhi on 8th March 2017.

4.5.8. Bharathiar University has the highest 'h' index with 45 points, according to Scopus data, with 14,824 citations and 2532 publications during the past five years (2013-18). This is the highest among the Arts &

Science Universities in the State of Tamil Nadu for the last five years.

4.5.9. The National Assessment and Accreditation Council has re-accredited the University with 'A' Grade consecutively for the third cycle.

4.6. BHARATHIDASAN UNIVERSITY

4.6.1. The Bharathidasan University, named after the great revolutionary Tamil Poet Bharathidasan, was established in the year 1982 and recognized by the UGC under 12B in the year 1984. The University also has a campus at Khajamalai, Tiruchirappalli. In September 2012, Bharathidasan University was re-accredited with 'A' Grade by the National Assessment & Accreditation Council. The University has 21 Schools, 38 Departments and 26 Specialized Centres conducting more than 100 programmes at different levels. 3 Model Colleges, 6 Constituent Colleges, 1 Model Constituent College, 1 PG Extension Centre, 21 Government Colleges, 19 Government Aided Colleges and 82 Self-Financing Colleges are functioning under Bharathidasan University. Among these, 23 are autonomous colleges .

4.6.2. During the year 2017-18, the University has admitted 88 UG and 763 PG students. 74,186 UG and 17,797 PG students are enrolled in affiliated colleges. 5043 UG and 1304 PG students have joined in Model / Constituent Colleges. 83 students are admitted in Post Graduate Extension Centre at Perambalur. 2721 students were admitted in M.Phil / Ph.D courses in University Departments, Affiliated / Constituent Colleges.

4.6.3. True to the spirit of the University's motto "*We will create a Brave New World"* the University has a clear vision and specific missions in the creation and dissemination of knowledge, and service to society. The University takes special care to introduce innovative practices in curriculum, teaching, learning, evaluation and research to meet the global needs. The University also strives hard to improve infrastructure and research facilities.

4.6.4. In order to make teaching-learning process more learner-centric, some of the conventional classrooms have been converted into smart class rooms. The University library has been upgraded with ICT based modernized information services including digital library access through the dynamic library website including open access resources such as e-books, e-journals, courseware, e-theses and research analysis software to the academic fraternity of University Departments, Constituent/Model and Affiliated Colleges. 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. UGC-SAP and DST-FIST supported prestigious programmes, during the year 2017-18. Further, 72 major research projects

were funded to the tune of Rs.6.34 crore by various funding agencies including UGC, CSIR, DST, DBT, DAE, DRDO, BRNS, ICSSR and ICMR. In order to foster global competence among students, as directed by the Government of Tamil Nadu and Tamil Nadu State Council for Higher Education, world class curriculum cells in 10 different disciplines have been created and world class curriculum in these disciplines have been developed.

4.6.6. MHRD, Government of India has provided the following financial assistance under RUSA (Phase – I) for the holistic development of the University as well as constituent model colleges.

> ➢ Rs.20.00 crore has been sanctioned under Infrastructure grants, Rs.8.00 crore has been sanctioned for Bharathidasan University Model Colleges in Aranthangi, Vedaranyam,

Thiruthuraipoondi and Veppur and Rs.1.50 crore under Research and Innovation and quality improvement for the collaborative research project entitled "Sustainable Energy Technologies"

4.6.7. The Department of Science and Technology (DST), Government of India has sanctioned a financial assistance of Rs.17.35 crore to Bharathidasan University, under its PURSE Scheme (Promotion of University Research and Scientific Excellence) in recognition of the University's increasingly commendable achievements in research and development. This second phase grant has been sanctioned to the University for the duration of four years. At first instance Rs.6.285 crore (Equipment– Rs.5.195 crore, Contingency, Fellowship, Travel- Rs.1.09 crore) has been released to the University.

4.6.8. The Business Development Centre has signed MoUs with three specialized Institutions/ Agencies/Hospitals to offer Certificate, Diploma and Post Graduate programmes and IECD has signed six MoUs with six Institutions to offer skill development programmes.

4.6.9. Global Initiative for Academic Networks programme (GIAN) of MHRD, Government of India is aimed at tapping the talent pool of scientists and entrepreneurs internationally to encourage their engagement with the institutes of Higher Education in India. Bharathidasan University is one among the four Universities in Tamil Nadu chosen for conducting this GIAN programme by inviting foreign faculty. In Phase I, two courses were conducted during 2017. In Phase II, so far three courses were conducted and four more courses are going to be conducted by the faculties of the University

along with renowned experts from abroad. MHRD sanctioned 8000 US Dollars for each course of one-week duration.

4.6.10. 1,01,219 students have been admitted in the Skill Development Programmes of IECD through tie-up organizations, affiliated colleges and also at IECD Campus. The Career and Counselling Cell (CCC) of Bharathidasan University, organized a Job Fair on 27th May, 2017 at Bharathidasan University. A total number of 2,415 candidates attended the Job Fair, out of which 681 candidates were issued offer letters immediately after the interview process, while another 1135 were shortlisted for the next level of interview in the respective company offices. Totally 1,816 candidates directly benefitted from the Job Fair.

4.7. MOTHER TERESA WOMEN'S UNIVERSITY

4.7.1. Mother Teresa Women's University, Kodaikanal was established on 24th March 1984 by the Tamil Nadu State Legislative Assembly Special Act 15. The former Chief Minister Dr.M.G.Ramachandran inaugurated the University in the presence of the Noble Laureate for peace 'Mother Teresa' and the University was named after the Global savant Mother Teresa. The motto of the University is "Towards Equal Status" envisions the task of empowering women via Higher Education. The University has 18 departments with 3 Research and Extension Centres at Chennai, Madurai and Coimbatore. There are 11 affiliated Colleges in Theni and Dindigul Districts which include 2 Government, 2 Government Aided, 2 Constituent and 5 Self financing Colleges. The University has been accorded recognition for offering 16 programmes through Distance Education mode by the

Distance Education Council, New Delhi. Currently 55 teaching and 74 non-teaching staff members are serving in the University. Totally, 24,586 Students are currently studying in the University departments, affiliated colleges, constituent colleges and Directorate of Distance Education.

4.7.2. The University is nominated as the Nodal agency to conduct the State Eligibility Test in Tamil Nadu for three years (2016-2018) and successfully conducted 3 SET examinations in Tamil Nadu (TNSET 2016 on 21.02.2016 and TNSET 2017 on 23.04.2017 and TNSET 2018 on 04.03.2018). National University for Educational Planning and Admission (NUEPA) recognized the University as the Nodal agency to organize School Leadership Academy as Capacity Building Programme for Heads of the Schools covering all districts in Tamil Nadu. A Multipurpose hall at a cost of Rs 1.50 crore in Mother Teresa Women's University Research and Extension Centre,

Madurai was inaugurated by Hon'ble Chief Minister on 05.09.2017. The Indoor Sports Stadium in Mother Teresa Women's University, Kodaikanal and five classrooms in the first floor of Mother Teresa Women's University Research and Extension Centre, Chennai were inaugurated by Hon'ble Chief Minister on 02.02.2018. The University has signed MoU with National Academic Depository (NAD) on 05.02.2018 as a digital initiative. The University is offering courses like BPO, Tally, Hardware and Networking, Home care Nursing, Multimedia and Animation with the financial assistance from THADCO for SC/ST Students. Government of Tamil Nadu offers free coaching classes for UPSC, TNPSC, SSC and Banking Exams through Dindigul District Employment Office for University students. The coaching classes were conducted from October 2017 to March 2018, and 200 students were benefitted. As a Swachh Bharat Abhiyan initiative, a massive cleaning

programme was undertaken by the staff and students, beginning from the University campus and extending even to the forest areas to clean the debris left by the tourists.

4.7.3. New courses such as MA Public Administration, B.Li.Sc & M.Li.Sc have been introduced during 2017-18. Totally 1,043 students were benefitted through Post Matric Scholarship Scheme.

4.7.4. 670 Research Scholars received their Ph.D degree from 2011 to 2017. Consultancy services have been carried out using sophisticated instruments such as Powder XRD, FTIR, GCMS, UV-Vis, Fluorescence Spectrometer, HPLC, TG-DTA-DSC and Photoreactor. Mother Teresa Women's University became the National level Winner and Runner-up in Kabaddi with 24 medals. Mother Teresa Women's University was ranked in Second position in all India level Women's

Universities Athletic meet with 26 medals, 302 Medals/Cups/Shields in District/State/Inter Collegiate/Inter University/ National level competition and Chief Minister Trophy. 5 Players have been placed in Railways, 37 Players have been placed in Police.

4.7.5. Doctor of letters award- 2017, Life time achievement award in higher education for women-2017 , Best women associate professor in physics-2017, Best women professor in Social Sciences-2017, Best Scientist in Computer science-2017, Distinguished Women in Science – 2017, Best Scientist Award-2016, Glory of India- 2016, Rasthtria Gaurav Award-2016, Adharsh Vidya Saraswathi Rashtriya Purashkar – 2016, Dr.Radhakrishnan award for Excellence 2016, UGC-Raman Post Doctoral Fellowship 2016,Dr.Abdul Kalam Life Time Achievement National award-2015,Teaching and Research Excellence – 2015, Best Teacher

Award-2015, Best Educationist Award 2013, Tamil Nadu Young Women Scientist Award-2012 are some of the awards won by the faculty members.

4.7.6. Financial Assistance to the tune of Rs.1.71 crore was received from various funding agencies ICSSR, UGC, DST-SERB, UGC-DST, TNSCST and INFLIBNET during the year 2017-18.

4.7.7. The University has signed four MoU's with Educational institutions in India and abroad during 2017-2018 and one patent and one geographical indication was filed by the Department of Biotechnology.

4.7.8. The University Associate Professor in Physics Dr.M.Uma Devi went for Post Doctoral Research under Raman Fellowship to USA (San Francisco) from September 2016 to September 2017. The University Ph.D Scholar

Ms.C.Maheswari from Department of Biotechnology was awarded European Molecular Biology Organization (EMBO) fellowship for short term research to MALTA island, Europe from 22.01.2018 to 22.04.2018.

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 Government of Tamil Nadu. Alagappa University has 5 faculties comprising of 39 Departments, 10 Directorates & Centres and 2 University Constituent Colleges of Education and Physical Education. Besides, it has 35 Affiliated Colleges, 6 Evening Colleges and one Constituent Model college of Arts and Science in Paramakudi. University's jurisdiction is spread over two Districts of Ramanathapuram and Sivaganga.

4.8.2. 187 programmes in the University Departments, 117 programmes in the Affiliated Colleges, 66 programmes through Distance Education and 94 programmes through Collaborative Mode are offered. All programmes in the University Departments and Affiliated Colleges are semester pattern under Choice

Based Credit System (CBCS) with Continuous Internal Assessment (CIA) to ensure quality education. Around 1.05 lakh students are pursuing higher studies in Alagappa University through Regular and Distance Education mode. i.e. 5,638 students in the University Departments, 45,028 students in the Affiliated & Constituent Colleges and 54,270 students through Distance Education.

4.8.3. The University has introduced D.Litt. and D.Sc. programmes. Overseas Post Doctoral and Ph.D. Fellowships have been offered to attract research scholars from abroad to undertake research in Alagappa University. The University has created the University Science Instrumentation Centre (USIC) in the Science Campus with selected high-end equipments (worth of Rs.16 crore) to keep them as common facilities. University Central Library has been fully automated with Radio Frequency

Identification Device (RFID) monitoring system to facilitate quick access and retrieval of books.

4.8.4. The Research Corpus has been enhanced from Rs.7.00 crore to Rs.10.00 crore to provide more Research Fellowships, Research Projects and Inter Departmental Research Projects. Infrastructure facilities at a cost of Rs.20.00 crore have been created, up-graded and strengthened with the financial support under MHRD - RUSA Phase-I Scheme.

4.8.5. Government of Tamil Nadu have sanctioned two schemes, viz. Establishment of University Talent Bank with an estimate of Rs.210.00 lakh and creation of Waste treatment technology for sustainable and eco friendly environment with an estimate of Rs.125.00 lakh based on the announcement made during the budget session of the year 2017-18.

4.8.6. Alagappa University has adopted 39 villages and provided various societal services, namely, Health Awareness Camps, Cleaning and painting the water tank, Survey – Identification of rural unemployed youth, Life Skill Education Programme and Total Sanitation Campaign – open defecation-free (ODF) villages. 'One Student One Tree Plantation Programme' has been implemented in the University campus with the target of One Lakh Saplings. Efforts are made to make the entire University Campus as Green and clean campus with adequate Percolation Tanks to augment rain water harvesting capacity in the campus. Alumni of Alagappa University have created Alagappa Alumni Garden (Botanical Garden) in an area of five acres in the University campus and constructed an arch in the premises of Faculty of Education. Alagappa University Study Circle was established with the objectives of imparting capacity-building training to the

students to enhance their employability skills and coaching for UPSC / NET / SET / TNPSC and competitive examinations. Within a period of two years, it has conducted 263 activities and 9,442 students got benefitted out of it. Resource School for differently abled children in the Special Education wing was established to give training to differently abled children and counseling to their parents.

4.8.7. M.Voc. with specialization in Software Development and Fashion Design in Alagappa Institute of Skill Development and M.Phil. (Bio-chemistry) in Affiliated colleges were introduced during the year 2017-18. Industry Integrated MBA and Ten Diploma and Certificate programmes were introduced during the year 2017-18 under Collaborative programme mode.

4.8.8. Alagappa University has been awarded A+ Grade by NAAC (CGPA : 3.64 out of 4) in the third cycle of assessment. Alagappa

University is the first State University to obtain A+ status in the State of Tamil Nadu. Consequently, Alagappa University has been graded Category I University by the MHRD-UGC under the UGC (Categorization of Universities for Grant of Graded Autonomy) Regulations 2018. Alagappa University secured 27th position under the category of "Universities" under the NIRF 2018 Ranking of MHRD, Government of India. Alagappa University has been short-listed for second level of assessment for "Institution of Eminence" (IoE) status. Alagappa University has secured the third place in the country in the Swachhta Ranking 2017 of Higher Educational Government Institutions of Ministry of Human Resource Development, New Delhi. Alagappa University received ISO 9001: 2015 Certification Award for Quality in providing Higher Education and Research Activities and Clean and Green Campus Award (2016) & World Environment and Livelihood (WEAL) Award (2017) from National

Institute of Cleanliness and Education Research (NICER), New Delhi. Alagappa University got IAB Blind Empowerment Champions 2018 Silver Zone Award from Indian Association for the Blind.

4.8.9. Fifteen new departments, viz., Department of Energy Science, History, Botany, Microbiology, Special Education & Rehabilitation Science, Catering Science & Hotel Management, Fine Arts, Skill Development, Social Work, Computer Science, International Business, Logistics Management, Geology, Computational Logistics and Biomedical Science have been established during the last seven years. Four innovative programmes, viz. B.Ed. (Special Education), MBA (Logistics Management), PG Diploma in VAT & Service Tax and PG Diploma in Structural Pharmacogenomics, were introduced during this period under UGC innovative programme scheme.

4.8.10. Padma Bhushan Dr.RM. Alagappa Chettiar Museum has been established in the University campus at a cost of Rs.79.00 lakh commemorating his invaluable and vast range of education services. Centre for Tamil Culture has been established to promote the values of Tamil Tradition and Culture. A Museum for Tamil Culture has also been established at a cost of Rs.50.00 lakh to preserve the antique materials exhibiting the traditional and cultural values of Tamil Languages and Tamil people.

4.8.11. During the period of last five years, the 'h' index of Alagappa University has been raised from 22 to 62. Forty two patents were filed by the faculty members of the Department of Biotechnology, Industrial Chemistry, Physics and Oceanography and Coastal Area studies. Out of which, eleven were published / granted during 2017-18. An exclusive building for Yoga

Education was constructed at a cost of Rs.60.00 lakh.

4.8.12. A Para Sports Centre has been established at a cost of Rs.65.00 lakh to train the differently abled sports students to participate at State and National level competitions. Twenty students trained in this Centre won 74 Gold, 53 Silver and 48 Bronze medals at National level events. Mr. A.Selvaraj, a student of Alagappa University Para Sports Centre, Karaikudi, brought laurels to the University by winning the prestigious gold medal in Javelin Throw with a performance of 26.54 metre at the 7th World Dwarf Games held at Gulpeh, Ontario, Canada. He has been awarded with Rs.5.00 lakh by the Government of Tamil Nadu and Rs.7.00 lakh by the University.

4.8.13. University has six UGC – SAP (Special Assistance Programme) Departments and five DST-FIST (Facilities for Improvement of Science and Technology) Departments. Department of Mathematics and Oceanography & Coastal Area Studies got UGC – SAP – DRS –I recognition and received the financial support of Rs.62.00 lakh and Rs.87.97 lakh respectively. Eight of our faculty members have been given UGC Research Award (Their salary to the tune of Rs.179.00 lakh are being met by the UGC, New Delhi). University has acquired the consultancy project worth of Rs.155.13 lakh from ITC, Kolkatta, Tablet India Ltd., Chennai and ICRISAT, Hyderabad. The Department of Science and Technology (DST), Government of India, awarded Rs.7.00 crore for a period of three years from 2016 to 2019 under PURSE (Promoting University Research and Scientific Excellence) scheme.

4.8.14. There are 42 International MoUs and 36 National MoUs executed so far. University has inked overseas MoU with *Thirteen Foreign Universities* / Research Institutes in the countries of Malaysia, Oman, Australia, South Korea, China, Taiwan, Japan, Mexico and Italy. Further, University has inked MoU with 23 National Universities and Institutes during the year 2017-18. During the year 2017-18, twenty four faculty members and twelve scholars visited abroad viz., Sweden, Israel, Thailand, Oman, South Korea, Spain and Malaysia for attending the International Conferences / Seminars and Collaborative Research Works. Nineteen professors from the universities abroad, viz. USA, UK, Malaysia, Switcherland, Sweden and China, visited Alagappa University to deliver special lecture to the students.

4.9. MANONMANIAM SUNDARANAR UNIVERSITY

4.9.1. Manonmaniam Sundaranar University (MSU) is a dynamic institution of higher learning, situated in a rural milieu of southern Tamil Nadu, with a campus spread over an area of 550 acres. The University was established by the Government of Tamil Nadu as a teaching-cum-affiliating University on 07.09.1990 to cater to the long-felt needs of the people of the three southern most districts of Tamil Nadu viz., Tirunelveli, Thoothukudi, and Kanyakumari. It is named after the renowned Tamil Poet, Professor P. Sundaram Pillai (1855-1897), the author of the famous verse drama Manonmaniam. The University has under its jurisdiction 77 Affiliated Colleges, 6 University Colleges and 4 Constituent Colleges, with 1,10,470 students in regular mode and 10,490 students in distance mode.

4.9.2. These colleges, amongst which, three are over 100 years old viz., St. John's College, M.D.T. Hindu College, and Sarah Tucker College (the oldest women's college in the State) have contributed immensely to the cause of higher education in this southernmost region of the country. The University is in the process of the 3rd cycle of NAAC rating. The University was ranked between 150-200 in NIRF 2018 and has h-Index of 24.

4.9.3. Manonmaniam Sundaranar University signed MoU with STPI to create Software Incubation Centre by providing 3 acres of land in its campus. This MoU will help to start own Industries, get employment etc.

4.9.4. Vice Chancellor Quarters and Registrar Quarters were completed and inaugurated in 2017-18. The staff quarters for 12 faculty are ready and will be inaugurated soon. The Compound Wall, Day Care Centre,

Ladies Hostel are nearing completion. The widening of road and facelift for the entrance are under progress. Ramp facility has been created in all the departments to facilitate the differently abled students.

4.9.5. Dr.T.Tamizh Chelvam, Professor, Department of Mathematics has won the Tamil Nadu Senior Scientist Award in the discipline of Mathematics for the year 2018. Dr.A.Palavesam, Professor, Department of Biological Science has won the Tamil Nadu Senior Scientist Award in the discipline of Biological Science for the year 2018.

4.9.6. The street lights are all powered with Solar Energy. The planting of trees in the University campus was encouraged and more than 5000 saplings planted. Construction of 1 Megawatt Solar Power plant is in progress. Bio-gas from food waste management system has been installed in the University Campus.

4.9.7. The University has started five years integrated courses namely M.Sc. Integrated Electronic Media, M.Sc. Cyber Security, M.Sc. Integrated Marine Science & M.Sc. Data Analytics in the University Departments and 11 Post Graduate courses and 6 Under Graduate courses in the 4 University Constituent Colleges.

4.9.8. The University is having 77 affiliated colleges with 27,626 Male Students and 71,871 Female Students. 4 Manonmaniam Sundaranar University Constituent Colleges have 2,064 Male Students and 5,135 Female Students. 6 Manonmaniam Sundaranar University Colleges have 1,374 Male Students and 2,400 Female Students and Directorate of Distance and Continuing Education has 4,382 Male Students and 6,108 Female Students in UG/PG programmes.

4.9.9. Manonmaniam Sundaranar University has taken full efforts in receiving grants from various sectors. As a result, a sum of Rs.1.85 crore from UGC, Rs.75.00 lakh from RUSA, Rs.9.78 lakh from ICSSR, Rs.21.20 lakh from DBT and Rs.16.36 lakh from DST SERB were received during the year 2017-18.

4.9.10. The University has signed 5 MoUs with eminent institutions to carry out collaborative work for the benefit of University faculties, students and scholars.

4.9.11. Under "Ek Bharath Shrestha Bharat Scheme", the Manonmaniam Sundaranar University has sent five Faculties to the University of Jammu and Kashmir for doing Research and the University has proposed to

offer scholarship to the students and faculty of Jammu and Kashmir University as follows:

i) To provide research scholarship of Rs.15,000 per month to two students each and eligible travel grant by train.

ii) To provide research scholarship of Rs.20,000 per month for faculty members and eligible travel grant by flight.

4.10. PERIYAR UNIVERSITY

4.10.1. The erstwhile Post Graduate Centre of the University of Madras at Salem was elevated as Periyar University on 17th September 1997 by an Act of the Legislative Assembly. The University has taken rapid strides and is emerging as one of the leading Universities in the field of Higher Education. The University is named after the great social reformer and rationalist E.V.Ramasamy affectionately called "Thanthai Periyar". The vision of the University is to impart knowledge to the society through formal and informal modes and to contribute to nation building. The University's commitment to learning and knowledge is enshrined in its motto "Wisdom Maketh the World". The University is recognized by the University Grants Commission under section 2(f) and 12(B). NAAC has awarded 'A' Grade to Periyar University with a CGPA of 3.15.

4.10.2. Started with three departments in 1997, the University has at present five Science Schools and three Arts Schools comprising 27 departments offering 29 PG programmes and 27 Research programmes. The University has established exclusive centres for Nanosciences, Instrumentation, Women Studies and Entrepreneurship. Periyar University provides educational services to students in interior areas by establishing six constituent colleges at Mettur, Pennagaram, Harur, Pappireddipatty, Edapadi and Senthamangalam. The postgraduate extension centre established at Dharmapuri provides access to higher education to the students. The present faculty strength is 158 in the various University departments, 57 in five constituent colleges and 20 in the PG centre. The student's strength for the various PG programmes of the University Departments is 1,790, for M.Phil. 198 and Ph.D. Programme is 223. In the Undergraduate vocational

programme (B.Voc) 323 students were admitted. In the constituent colleges 5,227 students were enrolled for UG and PG programmes. In the distance education 32,891 students were admitted and pursuing degree and diploma courses.

4.10.3. University is conducting series of faculty lecture programmes every month to promote the quality in teaching and research. To encourage the faculty and research scholars to participate in the international conventions and seminars, the University created a corpus to provide the travel grants assistance. The University has introduced scholarship for one meritorious student from poor economic background in each department to meet out the tuition fee and hostel fee from the University fund. A sum of Rs.9.00 lakh per year is allocated for this purpose. It is planned to provide travel

assistance for the faculty who have been called for presentation for the new project proposals.

4.10.4. Owing to the demand in the electronic media and mass communication, a five year integrated course on M.A. Journalism and Mass Communication with Electronic Media specialization will be introduced from the academic year 2018-19 onwards. It is also proposed to start PG Diploma in Data Analytics by the Department of Computer Science.

4.10.5. To promote the research and to support the research scholars financially, the University has introduced the University Research Fellow schemes. Through this scheme, 5 fellowships were given to the departments and the stipend of Rs.6,000 per month is paid besides annual contingency of Rs.5,000.

4.10.6. In the University, 1,381 students from the university departments and 3,879 students from the constituent colleges were benefitted by the Post Matric Scholarship Scheme.

4.10.7. University Departments have obtained the approval to start M.Sc. Nanoscience and Nanotechnology and M.Sc. Cyber Security programmes. In the constituent colleges, B.A. Tamil, M.A. Tamil, M.A. English, M.Sc. Mathematics, M.Sc. Computer Science and M.Com. were introduced during the academic year 2017-18.

4.10.8. University has obtained 90th rank at all India level in NIRF Ranking 2018. University has submitted the proposal to UGC for "Institution of Eminence" and proposal was shortlisted for presentation and the University has made presentation before the empowered committee on 07.05.2018.

4.10.9. Periyar University is taking full efforts in mobilizing the grants from various sources. In 2017-18 the University has generated grants to the tune of Rs.2124.80 lakh. The details of the grants received are (a) GDP Grant - Rs.506.80 lakh, (b) Merged scheme (IAS/IPS Coaching) - Rs.30.50 lakh, (c) Development of Sports Infrastructure & Equipments - Rs.35.00 lakh, (d) Construction of Women's Hostel Building - Rs.48.00 lakh, (e) IQAC - Rs.4.50 lakh, (f) RUSA fund - Rs.1500.00 lakh.

4.10.10. University has signed 25 MoUs with eminent institutions to carry out collaborative work for the benefit of faculty and research scholars.

4.10.11. 41st Indian Social Science Congress was conducted by Periyar University in association with Indian Social Science Academy from 18th to 22nd December, 2017 in the

premises of Periyar University. Over 2000 eminent scholars representing multifarious fields from all over India participated. The Government of Tamil Nadu sanctioned an amount of Rs.20.00 lakh for the conduct of the congress.

4.11. TAMIL NADU OPEN UNIVERSITY

4.11.1. Tamil Nadu Open University was started in the year 2002 by Government of Tamil Nadu by enacting the Act No. 27 of 2002 in the Legislative Assembly. It is ranked 5th among 14 State Open Universities in the country. The main campus including administrative Head Quarters are located at Chennai and University has established 8 Regional Centres at Chennai, Coimbatore, Dharmapuri, Madurai, Ooty, Tiruchirappalli, Villupuram and Tirunelvelli. Among these, establishment of Tirunelvelli Regional Centre was announced by Hon'ble Minister for Higher Education on the floor of Legislative Assembly last year. It was made operational from the academic year 2017-18. The University has also established 8 constituent community colleges at Chennai, Dharmapuri, Coimbatore, Ooty, Madurai, Tirunelvelli, Villupuram and Tiruchirappalli. The

University has 13 Schools of Study and 443 Study Centres all over Tamil Nadu. At present, 21,088 students are registered in the University, of which 9,572 are undergoing UG Programme 4,196 are undergoing PG Programme and 7,321 are undergoing other Programmes. The University is conducting 161 academic programmes, of which 13 were introduced during the year 2017-18. In 2017-18 administrative sanction was accorded for construction of additional floors in Academic Block and Material Storage Block and also Additional Floors for Vice Chancellor's Bungalow, Guest House, Studio and Office Room at a cost of Rs.23.24 crore. During 2017-18 administrative sanction was also accorded for construction of Tamil Nadu Open University Regional Centre buildings at Villupuram and in Nilgiris Districts at a cost of Rs.12.50 crore.

4.11.2. Tamil Nadu has been paired with Jammu & Kashmir (J & K) under Ek Bharath Shreshtha Bharat. To this effect, a Memorandum of Understanding (MoU) was signed between the two States on 11.08.2017. Five State Universities including the Tamil Nadu Open University (TNOU), Chennai, were selected for the implementation of the said initiative. As part of the Ek Bharath Shreshtha Bharat initiative, the Tamil Nadu Open University, Chennai, participated in a Cultural Programme organised at the Indian Institute of Technology (IIT-K), Kharagpur, West Bengal, on 30th and 31st January, 2018, led by Dr.C.Karthikeyan, Assistant Professor, Department of Film Studies, School of Humanities, TNOU. 18 students and 2 teacher-coordinators participated in this Programme and showcased their talents in performing arts such as Bharathanatyam, Oyillattam, Nadaswaram–Thavil, Kummi-Kollattam, Kaaliattam and Thaandavam.

4.11.3. Under the Unnath Bharath Abiyan initiative of the Government of India, the TNOU has been accorded approval for its proposal to adopt 5 villages in the Dharmapuri District. Through this initiative, the University has proposed to improve the quality of life of the rural populace through community-relevant livelihood educational programmes.

4.11.4. As announced under Rule 110, Networked Digital Library Systems initiative to digitally network 13 University Library Information resources for effective utilization by statewide users at an estimated cost of Rs.1.86 crore was undertaken by the Tamil Nadu Open University and the Anna University. The Tamil Nadu Digital Library website was launched by the Hon'ble Chief Minister of Tamil Nadu on 05.04.2018.

4.11.5. Skill training was provided to 3015 unemployed youths in the area of agriculture under the Distance Education Bureau (DEB) fund. UGC recognition has been obtained for the conduct of M.Phil. and Ph.D. research programmes under regular mode. Under the Study Webs of Active learning for Young Aspiring Minds (SWAYAM) initiative of the Government of India, the University is preparing 8 Massive Open Online Courses (MOOCs) with the funding support from MHRD.

4.11.6. The University has signed MoU with School Guru for Employment Linked Skilling Programme (ELSP), Soft Source Pvt. Ltd. for Parallel Education and Employment Programme (PEEP), Maharashtra Knowledge Corporation Ltd (MKCL) for Work-Based Learning (WBL) Programmes. Students who have completed 10+2 are eligible to join the WBL Programmes. The selected students will be placed in Corporate

Companies for salary expected in the range of Rs.15000 to Rs.20000 per month. Under this scheme, initially, BBA and B.Sc. (Computer System Administration) programmes are being piloted. MoU was also signed for National Academic Depository (NAD) under NSDL for Digitization of Certificates and Department of Forestry Government of Tamil Nadu, for Wild Life Tourism programme.

4.11.7. During the Centenary celebrations of Bharath Ratna Puratchi Thalaivar Dr.M.G.R., at the Nilgiris District on 30.12.2017, the Hon'ble Chief Minister had announced that in order to increase the enrolment of Tribal students in Higher Education in The Nilgiris District, a Regional Centre of the Tamil Nadu Open University will be established at Kothagiri at a cost of Rs.5.00 crore. Land for this centre has been identified and construction work will be started soon.

4.12. THIRUVALLUVAR UNIVERSITY

4.12.1. Thiruvalluvar University was established by the Government of Tamil Nadu on 16.10.2002. The Jurisdiction of the University covers, Vellore, Thiruvannamalai and Cuddalore Districts. There are 7 departments in the University with 43 teaching faculties. In the University departments, there are 263 students studying in Post Graduate courses, 123 students in M.Phil., and 269 students in Ph.D. In 123 affiliated institutions, a total of 1,28,347 students studying in Under Graduate, Post Graduate and M.Phil., degree courses. Under Yoga programme, there are 1206 students studying in Diploma, UG and P.G. courses. The University has six Constituent Colleges and one P.G. Extension Centre at Villupuram, in which 8,044 students and 271 students are studying respectively.

4.12.2. Thiruvalluvar University introduced 11 new U.G. courses and 9 new P.G. courses in its five Constituent Colleges.   Further, 3 New courses have been introduced in the P.G. Extension Centre at Villupuram.

4.12.3. University Grants Commission has granted 12(B) status to Thiruvalluvar University and hence this University is eligible to receive the Central Assistance. The University has appointed 26 non-teaching staff to the sanctioned administrative position. In the Constituent Colleges, various teaching positions including Principals (81) and non-teaching positions (56) were filled up. The University has introduced complete Automation system in the University Examination system.

4.12.4. University students have won Gold Medal for India in the SAF Games Football Championship. Thiruvalluvar University Women Football team has won the first place for the

third time continuously in the All India Inter-University Women's Football Tournament held at Banaras Hindu University, Varanasi. The University team won the first place in the South Zone Inter-University Women's Football Tournament at Neyveli.

4.12.5. During the year 2017-18, the University has received Rs.62.64 lakh from CSIR, DRDO, DST, UGC & MBHM.

4.12.6. 8 Memorandum of Understandings have been signed between Thiruvalluvar University and other Educational Trusts. Two Research Scholars as Post Doctoral Fellow have visited South Korea (Chonbuk National University) and China respectively in 2017 for research purpose.

4.13. TAMIL NADU TEACHERS EDUCATION UNIVERSITY

4.13.1. The Tamil Nadu Teachers Education University, established in 2008, has been striving to enhance the quality of teacher education in the state with particular reference to innovative changes that are necessary in this essential academic sector. As per NCTE Regulations 2014, the University has introduced 2-year B.Ed., and 2-year M.Ed., Degree Programmes from the year 2015-16 and 4-year B.Sc.B.Ed., Integrated Degree Programme from the year 2016-17, in its affiliated colleges. The University has adopted the new formats of teacher education programmes and is successfully offering the new programmes. The University is focusing on providing ample job opportunities to the youth under the present socio-economic scenario.

4.13.2. Six departments of Study and Research are presently functioning in this University and four more departments are proposed to be started soon. There are presently 6 Professors, 3 Associate Professors and 23 Assistant Professors in the Departments of 1. Department of Pedagogical Sciences, 2. Department of Value Education, 3. Department of Educational Psychology, 4. Department of Educational Technology, 5. Department of Curriculum Planning and Evaluation and 6. Department of Educational Planning and Administration.

4.13.3. The University academically monitors teacher education programmes in the affiliated colleges of education as approved by the National Council for Teacher Education at all levels in the State. The University involves itself to develop research facilities and extension activities in teacher education. The University

organizes seminars, workshops and symposia for promoting teacher education and to develop extension activities. It is contemplating to establish a full-fledged library, research centres and publication wing.

4.13.4. The University has 732 affiliated colleges of education which includes 7 Government, 14 Government Aided and 711 Self-Financing Colleges of Education. The University continues to offer Ph.D. and M.Phil. Programmes in the Departments of the University based on a common entrance test for admission to these programmes. The University has granted recognition to 23 colleges of education to function as Research Centres to offer M.Phil. and 12 colleges of education to offer Ph.D. Degree Programmes. In the University Departments, there are 134 students. In the affiliated colleges, 1,29,102 students are on roll

in B.Ed., M.Ed., B.Sc.BEd., M.Phil. and Ph.D. courses.

4.13.5. In December 2017, the University has signed an MoU with Madurai Kamaraj University for "School Adoption Programme" with a special focus on Adi Dravidar Welfare (ADW) and Kallar Reclamation Schools to provide training in electronic communications, skill development, pedagogical enhancement and application of technology in English, Mathematics and Science subjects and other areas. The University has taken up the tree planting campaign in a big way and planted about 46,000 tree saplings in the University campus and the affiliated colleges of education by involving about 8,000 students.

4.13.6. The NCTE granted recognition to offer two year M.Ed. Degree Programme at the Tamil Nadu Teachers Education University from the academic year 2017-18. Online system of

admission has been introduced to B.Ed., B.Ed. (Special Education) and M.Ed. Degree Programmes from the academic year 2016-17 onwards.

5. TAMIL NADU ARCHIVES

5.1. Tamil Nadu Archives formerly known as Madras Record Office was established in 1909. It is a repository of a vast collection of records of various Departments of the Secretariat, erstwhile Board of Revenue, records from Heads of Departments, Collectorates and District Courts dating back to 1670.

5.2. The Tamil Nadu Archives houses a vast and diverse collection of rare books and valuable documents in Dutch, Danish and Persian languages. The Archives Library has books dating from 1633 and has an extensive collection of Rs.2.3 lakh books and periodicals and attracts researchers, academicians, historians from Universities and Colleges across the Globe for research and reference work.

5.3. The District Gazetteers of various Districts of Tamil Nadu are published by Tamil Nadu Archives periodically. To facilitate preservation of records across the State, six District Record Centres are located in Thanjavur, Coimbatore, Cuddalore, Madurai, Salem and Tiruchirappalli.

5.4. Tamil Nadu Archives has the onerous task of preserving documents for future generations and towards this, scanning, microfilming, binding are some of the tools employed for preservation.

5.5. In the continued efforts towards digitization between 2011-2016, an amount of Rs.80.00 lakh was sanctioned towards implementation of Digital scanning and Microfilming of mended records of pre 1900 and records of post 1900 and digitisation of Indices from the year 1900 onwards.

5.6. During 2014-15, a sum of Rs.39.75 lakh was sanctioned under Central Financial Assistance. Out of the total sanctioned amount, the State share was Rs.9.93 lakh. Under this Scheme, the work of Scanning and Microfilming of original records and Government Gazettes and Digital preparation of Indices, purchase of photo copiers, Computers was done.

5.7. Tamil Nadu Archives implemented a project to improve web access to its records and internal networking systems at a cost of Rs.67.00 lakh over 2 years from 2015-2017 with funding from the Tamil Nadu Innovative Initiatives Fund. The efforts towards digitization have continued with the e-Governance Initiative Fund of Rs.105.00 lakh for setting up a digital archiving –Tamil Nadu Digi Archives in 2017. It has been implemented through Tamil Nadu e-Governance Agency.

5.8. Government have sanctioned a sum of Rs.10.00 lakh for scanning of records in Tamil Nadu Archives in 2016-2017 and 2017-2018. A similar amount has been sanctioned for the year 2018-2019. The National Archives of India had approved a project for scanning and microfilming of records with a provision for computers and accessories to the six district record centres with a funding amount of Rs.47.00 lakh. This project was funded by the Government of India and the State Government by 75:25 ratio. The project has been completed.

6. TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION

6.1. The Tamil Nadu State Council for Higher Education (TANSCHE) was established in the year 1992 to co-ordinate and determine standards of higher education Institutions in Research, Scientific and Technical fields. The Council is entrusted with the responsibility of preparing consolidated programs in the sphere of higher education in the State keeping in view the overall priorities and perspectives of higher education and as per the guidelines of University Grants Commission.

6.2. IMPORTANT ACHIEVEMENTS DURING THE YEAR FROM 2011-12 TO 2017-18

- *'Study Abroad Programme'* was implemented for PG students of Government Arts and Science Colleges and faculty for a semester in the United Kingdom for 3 years. A

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total of 74 students and 15 faculty members benefitted under this program .

- TANSCHE as Nodal Centre for active industry-academia interface to provide exposure, internship and employment opportunities, established *'University Business Collaboration Centre'* in 6 Universities.

- A MoU was signed between TANSCHE and ICT Academy to improve the quality of soft skill training and in order to increase the placement percentage and 31,000 students from 62 Government Arts and Science Colleges are benefitted.

- Partial financial assistance has been awarded for Government / Government Aided / Self-financing Colleges / University Departments to conduct seminars / workshops/

conference at the national and international levels.

6.3. ACTIVITIES / SCHEMES OF THE COUNCIL

- Tamil Nadu State Council for Higher Education (TANSCHE) has constituted the *State Integrated Boards of Studies.* The boards will play a major role in deciding equivalence for courses in different institutions and will also help faculty and students easily migrate from one institution to another for higher education and employment. So far, 21 Under Graduate & 19 Post Graduate subjects were identified. For this a curriculum bank was developed and submitted for approval. The boards will regulate the existing curriculum and identify

innovative courses based on the scope and job opportunities.

- Chairpersons of the State Universities boards of studies meet periodically to assist Tamil Nadu Public Service Commission (TNPSC) in degree equivalence related problems faced by the recruiting bodies and submit their recommendations.

- In the year 2017-18 alone, remarks on more than 280 items have been sent to the Equivalence Committee in TNPSC for taking decision regarding equivalence of subjects.

- TANSCHE as a nodal agency, through its International Relation Centre (IRC) has compiled the international collaborative activities of the 13 State Universities in relation to strong areas, weak areas, exchanges available and sought MOUs and

venture capital required to strengthen their collaborations with foreign countries.

- Special Care for Slow Learners in order to Prevent College Dropouts is being successfully implemented by conducting coaching classes and remedial classes in 6 Government Arts & Science Colleges and 18 University Constituent Colleges to prevent drop outs thereby helping them in completing their graduation.

- 62 Government Arts and Science Colleges were identified to establish Soft Skills Centers. Computer literacy, communication skills, personality development and interview skills which are an integral part of soft skills are imparted to the students to make them ready to take up jobs on completion of their degrees.

- Tamil Nadu State Council for Higher Education has two biannual publications – Journal of Modern Sciences and Journal of Humanities & Social Sciences. So far, 13 issues have been published for each journal.

- TANSCHE has been successfully implementing the schemes of Minor Research Project for Teachers and Student Mini Projects for PG Students to promote research aptitude among the teachers and students of Government Arts and Science Colleges / University Constituent Colleges. For the year 2017-18, 25 Minor Research Projects and 50 Student Mini Projects were selected for funding each with Rs.1,00,000 and Rs.15,000 respectively.

- The Government of Tamil Nadu has initiated the project, Networked Digital Library System to digitise all the available resources in the State Universities and colleges for easy access to the students. The Government have identified TANSCHE as the nodal centre. The Physical infrastructure was established in Anna University and Tamil Nadu Open University and the project was successfully inaugurated and started functioning from April 2018.

- The Tamil Nadu State Council for Higher Education successfully developed a bridge course book titled "The Wor(l)d in your stride". 22,000 students along with 1,500 English Teachers benefited out of this scheme.

- Under Tamil Nadu Innovative Initiatives (TANII), Tamil Nadu State Council for Higher Education has been sanctioned Rs.62.4 lakh for the project, Content and Language Integrated Learning (CLIL) to enhance the Communication Skills. Workshops were conducted for teachers of Government Arts and Science Colleges and University Constituent Colleges. The duration of the project was 3 years.

- A new proposal named State University Rating Framework (SURF) was developed to rate State Universities among themselves. A Memorandum of Understanding (MoU) was signed between TANSCHE and the Indian Centre for Academic Ranking and Excellence (ICARE) Pvt. Ltd., for implementation of State

University Rating Framework (SURF) on "no cost basis" for one year. ICARE will co-ordinate with all 13 State Universities under the aegis of Higher Education Department, by analysing their data on the same 5 broad parameters used in NIRF, department wise and School wise. This rating process will facilitate to enhance their strengths and eradicate the weaknesses and will help the individual departments and Universities to improve their rankings.

7. RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA)

7.1. Government of India is implementing Rashtriya Uchchatar Shiksha Abhiyan (RUSA) with joint funding of the respective State Governments in the pattern of 60:40. The objective of the scheme is to improve the overall quality of the State higher education institutions. The first phase of the RUSA, with an outlay of Rs.423.3 crore was sanctioned for Tamil Nadu of which Government of India contribution is Rs.253.98 crore and Government of Tamil Nadu contribution is Rs.169.32 crore.

7.2 10 State Universities with NAAC accreditation were sanctioned an amount of Rs.20.00 crore for each University. These Universities are Anna University, Annamalai University, Alagappa University, Bharathiyar University, Bharathidasan University, Manonmaniam Sundaranar University, University of Madras, Mother Teresa Women's University,

Periyar University and Madurai Kamaraj University. Rs.8.00 crore was sanctioned for 2 existing Government Colleges to be upgraded to Model Degree Colleges. 44 Government Arts and Science Colleges, 21 University Constituent Colleges were also sanctioned an amount of Rs.2.00 crore for each college.

7.3 Anna University, Annamalai University, Alagappa University, Bharathiyar University, Bharathidasan University, Manonmaniam Sundaranar University, University of Madras prepared a research proposal on Sustainable Energy Technology to the tune of Rs.15.00 crore which has been sanctioned under RUSA Phase-I and the project is under implementation. Grant of Rs.13.30 crore has been sanctioned for vocational education under which 15,519 students of 19 Government autonomous colleges were imparted skill training by the 10 service providers approved by Tamil Nadu Skill Development Corporation.

Establishment of 2 Government Engineering Colleges in Namakkal and Tiruvallur Districts at a cost of Rs.26.00 crore each have also been approved.

Now Government of India has given approval for Phase-II of RUSA with an outlay of Rs.9604.58 crore of which 60% will be Government of India's share and 40% will be the share of respective States (for North Eastern States, Sikkim, Jammu & Kashmir, Uttarakhand and Himachal Pradesh the share of the State Government is 10%). Steps are being taken to get approval for various projects under RUSA Phase-II.

8. SCIENCE CITY

8.1. The unique agglomeration of 60 educational and research institutions like Anna University, Indian Institute of Technology (IIT), Central Leather Research Institute (CLRI) and Tamil Nadu Science and Technology Centre etc., belonging to both Central and State Governments in the Guindy - Tharamani area has been declared as Science City. The vision of Science City is popularisation and propagation of Science & Technology among the masses. Science City is implementing various programmes connected to the development of Science and Technology. Science City was registered under the Tamil Nadu Societies Registration Act, 1975. The Society members include Eminent Scientists / Technologists and Bureaucrats.

8.2. ACTIVITIES

Science City carried out the following activities during 2017-2018:

- Designed programmes for Popularization of Science such as popular lectures, seminars in important areas, programmes highlighting the latest developments in Science and Technology for the benefit of students.

- Organised Five days' Workshop on 'Molecular Biological techniques' for the benefit of post graduate students.

- Organised 'Science Camp' for the benefit of Children's Science Academy Award winners.

- Science City Newsletter is being brought out every month. It contains articles in Tamil and English about

contemporary Science and Technology developments.

- Science City has been distributing Life Time Achievement Awards, Young Scientist Award and Children's Science Academy Awards to school children across the State for carrying out distinguished work in the field of Science and Technology. Senior Scientist Award has been introduced this year.

- Organised Summer Training Programmes in Physics, Chemistry, Biology and Mathematics.

- Organised demonstrations in Science Experiments for Corporation Schools, Government Schools and Government Colleges.

8.3. CHENNAI SCIENCE FESTIVAL 2018

- The Chennai Science Festival 2018 was organised from 21st to 24th February, 2018 with the main theme as "Health for All" with the following six broad sub themes:

  1) Health and Sanitation, 2) Agriculture, Food and Nutrition, 3) Veterinary Science, 4) Basic Sciences, Space and Energy, 5) Climate Change, Biodiversity and Environment and 6) Fisheries Science and Ocean Technology.

- It comprised a Mega Science Exhibition, Popular Lectures and Panel Discussion. 40 exhibit stalls were put up by professional academic institutions / research centers on a non competitive basis and the remaining 62 stalls which were of competitive nature were put up

by School and College students across Tamil Nadu.

- The event was well attended with a total footfall of 11,059 visitors on all four days put together. The majority of visitors were school and college students.

- In this festival, Outstanding works in Science were duly recognised with the Tamil Nadu Lifetime Achievement Award, Tamil Nadu Senior Scientist Award, Tamil Nadu Young Scientist Award and Children's Science Academy Award.

8.4. PROGRAMMES TO BE ORGANIZED BY SCIENCE CITY DURING 2018-2019

- Summer Training Programmes in basic Sciences viz., Physics, Chemistry, Biology and Mathematics.

- Three days Workshop on Nanoscience and Nanotechnology for students of Arts & Science Colleges and Engineering Colleges.

- Three days seminar on Biotechnology / Genetic Engineering for students of Arts & Science Colleges and Engineering Colleges.

- Three one day workshops on Science for Socio Economic upliftment of rural poor.

- Three days seminar on Information Technology for students of Arts & Science Colleges and Engineering Colleges.

- Hands on laboratory training on Molecular Biological Techniques for Post Graduate students.

- Demonstrations in Science Experiments for Corporation Schools, Government Schools and Government Colleges.

- Distributing Tamil Nadu Life Time Achievement Award, Tamil Nadu Scientist Award (Junior), Tamil Nadu Scientist Award (Senior) and Children's Science Academy Award.

- Science demonstrations for the rural school students.

- Three one day workshops on 'Science for Socio-Economic upliftment Rural Poor' on Scientific advancement of value addition in milk, Hygienic value addition in meat and Scientific techniques in farm waste management.

- Organising Chennai Science Festival 2019.

9. TAMILNADU SCIENCE AND TECHNOLOGY CENTRE

9.1. Tamil Nadu Science and Technology Centre, an establishment of Government of Tamil Nadu, is functioning from 1983 under the Chairmanship of Hon'ble Minister for Higher Education. Tamil Nadu Science and Technology Centre has established Regional and District Science Centres in Chennai, Tiruchirappalli, Coimbatore and Vellore with the main objective of popularising Science and Technology Concepts among the general public and students.

Periyar Science and Technology Centre in Chennai and Anna Science Centre, Tiruchirappalli have Science Galleries, Science Parks, 3D Theatre and Planetariums. The Regional Science Centre at Coimbatore has three innovative galleries, 3D Theatres, Mini Planetarium, Science Park and Evolution Park. District Science Centre in Vellore has Science

Galleries and 3D Theatre. Defence Research Gallery and Hall of Nuclear Power are the new galleries in Periyar Science and Technology Centre, Chennai.

9.2. ACTIVITIES

- Tamil Nadu Science and Technology Centre conducts several programmes like workshops, seminars, Statewide Science Exhibition, Motivation Contests, outreach activities for school students, teachers and for general public.

- Short-term courses, Astronomy Camps and Quiz competitions are conducted periodically to reach out to several thousands of students and general public yearly.

- A Museum on wheels for Science and Mathematics was developed to reach the remotest parts of the State.

- 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 public.

9.3. INSPIRE AWARD SCHEME

- To attract the school students towards Science, INSPIRE awards are being distributed. Students from VI to X Standard are encouraged to send their projects to the Centre and the best projects are selected for Inspire awards. Up to 2016-17, 73,473 students have been given

these awards with citation and Rs.5,000 each.

- During the year 2017-2018, 2,444 students were given INSPIRE awards with cash award of Rs.10,000 each.

- During the year 2018, three students were selected under this programme to visit Japan.

9.4. PARTICIPATION IN 3RD INDIA INTERNATIONAL SCIENCE FESTIVAL (IISF) - 2017

- The Prestigious 3rd India International Science Festival (IISF) - 2017 was organized in Chennai during October 13-16, 2017. As a part of the programme, to encourage and develop scientific temper and attitude, Tamil Nadu Science and Technology Centre in coordination with the

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National Institute of Ocean Technology, Chennai, organised Student Innovator contest for the School Children, on the topic "Oceans for the Society" on 5th October, 2017 at Periyar Science and Technology Centre, Chennai.

- Apart from Student Innovator Contest, this Centre made arrangements for the visit of the students and Teachers of Science Village Programme. Under this programme, each Member of Parliament from all over the Country deputed 5 students and a teacher to attend the Science Village.

- About 3,000 participants were provided with a Booklet on Nuclear Power and a Flip book demonstrating persistence of vision.

9.5. PARTICIPATION IN THE 105TH INDIAN SCIENCE CONGRESS

- The 105th Indian Science Congress was organized at Manipur University, Imphal during 16 – 20 March, 2018. Tamil Nadu Science and Technology Centre participated in the event. An Expo named as 'Pride of India' was a part of the 5 day Science Congress which displayed the contributions to Science and Technology fields by States. Tamil Nadu Science and Technology Centre put up a stall with the title 'Science and Technology in Tamil Nadu' and the details of the achievements of Government of Tamil Nadu in Higher Education were displayed. During the five-day programme, several hundreds of the visitors including several school students, visited the stall.

9.6. ACTIVITIES TO BE CARRIED OUT DURING 2018-19

9.6.1. Establishment of Digital Planetarium at Periyar Science and Technology Centre, Chennai

To enhance the quality of providing information on astronomy and astrophysics concepts, a digital State of the art – Technology Hybrid Planetarium, imported from Germany, will be incorporated in the existing planetarium. The digital planetarium will be providing dynamic presentation of the astronomical concepts. The works for the establishment of the new dome and the planetarium system are in progress. The facility will be inaugurated by December 2018. The estimated cost of Hybrid Planetarium System is Rs.10.00 crore.

9.6.2. Establishment of a mini Planetarium in Periyar Science and Technology Centre

In order to modernize the B. M. Birla Planetarium in Periyar Science and Technology Centre, the planetarium was closed in April 2018. In order to avoid disappointment to the visitors, a new mini planetarium with a seating capacity of 70 has been established in Periyar Science and Technology Centre at a cost of Rs.25.00 lakh. Full dome planetarium shows with immersive effects are being shown in the mini planetarium. Several hundreds of visitors are visiting this facility every day.

9.6.3. Establishing an Innovation Hub in Regional Science Centre, Coimbatore

The Regional Science Centre, Coimbatore will be provided with an innovation hub at a cost of Rs.1.80 crore. This hub will have, discovery hall,

idea lab, Break and remake corner, build from scrap corner and idea box area. This will provide an opportunity for the students to develop creative ability skills and new concepts in Science. The work of constructing the building is in progress. The project is being implemented on 50:50 cost sharing basis by National Council Science of Museums (NCSM), Ministry of Culture, Government of India and Tamil Nadu Science and Technology Centre, Chennai. The facility will be inaugurated during the year 2018-2019.

9.6.4. Establishing 'Science on a Sphere' at Periyar Science and Technology Centre, Chennai

In the Tamil Nadu Legislative Assembly on 15.06.2017, the Hon'ble Minister (Higher Education) had made an announcement that Science On a Sphere will be established at a cost of Rs.2.50 crore in Periyar Science and Technology Centre, Chennai. The Government has accorded Administrative and Financial

sanction for a sum of Rs.2.50 crore and tenders haven been invited for execution of work. The work will be completed during the year 2018-19.

10. TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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

The Government have allocated a total sum of Rs.14.48 crore for the period from 2011-12 to 2017-18 to help the Council to expand its activities.

10.2. STUDENT PROJECTS SCHEME

This scheme is aimed at utilizing the tremendous student talent for the development of Science and Technology. Final year students

of Under Graduate / Post Graduate courses in Engineering, Medicine, Agriculture, Veterinary Sciences and Post Graduate Students of Science are provided with a maximum grant of Rs.10,000 for carrying out research projects. During 2017-18 the budget allocation for this scheme has been enhanced from Rs.20.00 lakh to Rs.40.00 lakh which has been enabled to support 500 student projects benefiting 1,222 students.

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. Through this financial support, the scheme will be effectively implemented and supported to publish the research work and to file patents of young students.

10.3. TECHNOLOGY DEMONSTRATION PROJECT

A project titled "Rural - Urban Connectivity Centres for Technology Dissemination, Research and Livelihood Sustainability" at a cost of Rs.5.00 crore for 3 years from 2017-18 onwards, has been sanctioned by the Department of Science and Technology, Government of India. The project has four Technology Demonstration components viz., 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.

10.4. SCIENCE AND TECHNOLOGY PROJECTS

Under this scheme, financial support is provided to scientists and researchers in sectors such as Agricultural Sciences, Biological Sciences, Environmental Sciences, Engineering

and Technology, Medical Sciences, Physical Sciences, Social Sciences and Veterinary Sciences to carry out research relevant and useful for our State. During the year 2017-18, a budgetary allocation of Rs.35.00 lakh has been made to support 12 research projects.

10.5. YOUNG STUDENT SCIENTIST PROGRAMME

Students studying in IX standard are motivated to take-up science and research as their career in future through this scheme. 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 2017-18, the budget allocation for this scheme has been enhanced from Rs.15.00 lakh to Rs.25.00 lakh. Arrangements were made to increase the coverage of districts from 10 to 16

so that the number of students benefited is increased from 400 to 640 students.

10.6. YOUNG SCIENTISTS FELLOWSHIP SCHEME

Under this scheme, scientists and researchers of our State below 40 years of age are facilitated to acquaint themselves with latest techniques in science, research and development. They 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. 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. During 2017-18, action was taken to support 12 researchers with a cost of Rs.3.00 lakh.

10.7. PARTIAL ASSISTANCE FOR SEMINARS / SYMPOSIA / WORK SHOPS

Educational and research institutions within the State of Tamil Nadu are provided with partial financial assistance to organize seminars, symposia and workshops. During 2017-18, 52 programmes were supported with a cost of Rs.10.00 lakh benefitting 2,600 people.

10.8. POPULARISATION OF SCIENCE AND TECHNOLOGY

To popularise Science and Technology among school children, farmers and public, financial support is provided to Universities, Colleges and Voluntary Organisations. This objective is achieved through conduct of Science Exhibitions, Training Programmes and Popular Lectures on various aspects of Science and Technology. In addition with the support of Department of Science and Technology, Government of India 75 programmes have been supported at a cost

of Rs.10.00 lakh. For the year 2017-18, Council supported 40 organizations with a cost of Rs.8.65 lakh benefitting 3,200 people.

10.9. TRAVEL GRANT FOR YOUNG SCIENTISTS

To present their research findings, young scientists and researchers in Universities, Colleges and Research Institutions of Tamil Nadu 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 2017-18 under this ongoing scheme, action was taken to support 12 scientists with a total cost of Rs.2.5 lakh.

10.10. ASSISTANCE FOR SCIENCE & TECHNOLOGY PUBLICATIONS

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 2017-18, action was taken to support 5 publications under this programme with a cost of Rs.50,000.

10.11. TAMILNADU SCIENTISTS AWARD (TANSA)

State Scientists and Researchers are encouraged to make Research and Development contributions by recognizing their contribution by way of conferring this prestigious award of Rs.50,000 and a citation. TANSA is given in 10 disciplines such as (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.

10.12. CREATION OF SCIENTIFIC AWARENESS

To create scientific awareness among the self help groups, farmers and students, financial assistance is given to various institutions in our State. During 2017-18, action was taken to implement this scheme in 10 districts with a cost of Rs.6.5 lakh benefitting 1,800 people.

10.13. QUALITY IMPROVEMENT OF SCIENCE EDUCATION IN RURAL SCHOOLS

To update their knowledge on the current syllabus and new areas, Inservice Training is provided to school science teachers who are handling the Science subjects of VI to VIII standards. This programme is conducted for a period of five days in Arts and Science Colleges of our State. For the year 2017-18, action was taken to organize this programme in 10 Districts with a budget of Rs.9.00 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 2017-18 action was taken to support 18 programmes with a cost of Rs.9.00 lakh benefitting 480 people.

10.15. APPLICATION OF SCIENCE & TECHNOLOGY IN RURAL AREAS

Through selected 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 2017-18, action was taken to implement this programme in 10 Districts with a cost of Rs.10.00 lakh benefitting 4,000 people.

10.16. SCIENCE AND TECHNOLOGY CAPACITY BUILDING FOR INDUSTRIAL NEEDS

This programme is organized with the active collaboration of industries and colleges including Polytechnics to enable graduates to acquire skill sets relevant to industries and motivate them for self employment. During 2017-18, action was taken to implement this programme with a cost of Rs.10.00 lakh covering 10 districts benefitting 3,000 students.

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

Under this scheme, 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 2017-18, action was taken to

support 5 research scholars with a budget of Rs.15.00 lakh.

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

To create a better eco system for research and development in Government colleges, the Science and Technology (S&T) infrastructure facilities available requires improvement. For this purpose, financial support is provided to improve the infrastructural facilities such as laboratory equipment and instrument facilities in Government Colleges of our State. During 2017-18, action was taken to implement this programme with the budget of Rs.15.00 lakh benefitting 3 Government Colleges.

11. TAMIL NADU STATE COUNCIL FOR TECHNICAL EDUCATION

11.1. The Tamil Nadu State Council for Technical Education (TANSCTE) was established with the objective of bringing coordinated development of Technical Education in the State of Tamil Nadu with reference to latest developments in Engineering and Technology.

11.2. IMPORTANT ACHIEVEMENTS DURING THE YEAR FROM 2011-12 TO 2016-17

- On the lines of the Washington Accord and in coordination with National Board of Accreditation, an International Seminar was conducted in Chennai.

- Organized an International Seminar on "Present Trend of Hybrid Pedagogy in English Language Teaching" by bringing

together Professors from Cambridge University, Anna University and the TEQIP Facilitation Unit at Directorate of Technical Education (DOTE) in Chennai.

- A special training programme in English language (Bridge Course) at Anna University, Chennai was conducted for the faculty members of English and also to the fresh entrants of Engineering Education with the active coordination of the British Council.

- "Foundation Skills in Integrated Product Development (FSIPD)" were imparted for 180 Engineering College Teachers in 3 batches at Chennai, Tirunelveli and Nagercoil under the Train – The – Trainers Programme.

11.3. ACTIVITIES UNDERTAKEN DURING THE YEAR 2017-18

- TANSCTE in coordination with the Centre for Academic Courses, Anna University has offered technical opinion to Tamil Nadu Public Service Commission with regard to the equivalence of various Technical Degrees on more than 20 issues for the purpose of prescribing qualification for employment in Government Services.

- Coordinated the conduct of Technical Examinations on behalf of the Fisheries Department along with DOTE for the recruitment of Technical Assistants in the Tamil Nadu Fisheries Engineering Subordinate Services.

12. TAMIL NADU STATE URDU ACADEMY

12.1. 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.

12.2. 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.

K.P. Anbalagan
Minister for Higher Education

ORGANOGRAM

CHIEF MINISTER

MINISTER

CHIEF SECRETARY

PRINCIPAL SECRETARY (HIGHER EDUCATION)

DEPARTMENTS

- DIRECTORATE OF TECHNICAL EDUCATION
- DIRECTORATE OF COLLEGIATE EDUCATION
- TAMIL NADU ARCHIVES
- TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION
- STATE PROJECT DIRECTORATE OF RASHTRIYA UCHCHATAR SHIKSHA ABHIYAN (RUSA)
- SCIENCE CITY
- TAMILNADU SCIENCE AND TECHNOLOGY CENTRE
- TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
- TAMIL NADU STATE COUNCIL FOR TECHNICAL EDUCATION
- TAMIL NADU STATE URDU ACADEMY

UNIVERSITIES

- UNIVERSITY OF MADRAS
- ANNAMALAI UNIVERSITY
- MADURAI KAMARAJ UNIVERSITY
- ANNA UNIVERSITY
- BHARATHIAR UNIVERSITY
- BHARATHIDASAN UNIVERSITY
- MOTHER TERESA WOMEN'S UNIVERSITY
- ALAGAPPA UNIVERSITY
- MANONMANIAM SUNDARANAR UNIVERSITY
- PERIYAR UNIVERSITY
- TAMIL NADU OPEN UNIVERSITY
- THIRUVALLUVAR UNIVERSITY
- TAMIL NADU TEACHERS' EDUCATION UNIVERSITY

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COLLEGIATE EDUCATION

NUMBER OF STUDENTS ADMITTED IN ARTS AND SCIENCE COLLEGES AND COLLEGES OF EDUCATION DURING THE YEAR 2017-18

Types of Colleges	Admitted Strength					
	UG	PG	M.Phil.	B.Ed.	Ph.D.	Total
Government Colleges	68235	15102	2551	2218	471	88577
Government Aided Colleges	99234	23354	2125	2152	532	127397
University Constituent Colleges	17996	2446	50	0	12	20504
Self Financing Colleges	105846	17954	1374	69251	257	194682
Total	291311	58856	6100	73621	1272	431160

TECHNICAL EDUCATION

DETAILS OF STUDENTS ADMITTED TO FIRST YEAR DIPLOMA COURSES IN POLYTECHNIC COLLEGES FOR THE YEAR 2017-18

| TYPES OF INSTITUTIONS	No. of Colleges	OC BOYS	OC GIRLS	BC (Others) BOYS	BC (Others) GIRLS	BC (Muslim) BOYS	BC (Muslim) GIRLS	MBC/DNC BOYS	MBC/DNC GIRLS	SC BOYS	SC GIRLS	SC(A) BOYS	SC(A) GIRLS	ST BOYS	ST GIRLS	TOTAL BOYS	TOTAL GIRLS	Total Admitted
Government Institutions	46	118	39	4071	589	465	46	4089	503	2090	444	247	61	82	9	11162	1691	12853
Government Aided Institutions	34	349	43	4988	554	717	47	3011	301	1208	184	206	29	25	5	10504	1163	11667
Affiliated Institutions	4	11	0	93	2	8	0	68	0	67	1	2	0	2	0	251	3	254
Self Financing Institutions	418	4983	520	21815	1533	3442	110	18053	1083	25904	4295	1717	424	774	189	76688	8154	84842
Hotel Management & Catering Technology Institutions	15	0	0	25	1	2	0	23	0	20	0	0	0	0	0	70	1	71
Total	517	5461	602	30992	2679	4634	203	25244	1887	29289	4924	2172	514	883	203	98675	11012	109687

TECHNICAL EDUCATION

DETAILS OF STUDENTS ADMITTED TO FIRST YEAR B.E. / B.TECH. / B.ARCH. DEGREE COURSES IN ENGINEERING COLLEGES FOR THE YEAR 2017-18
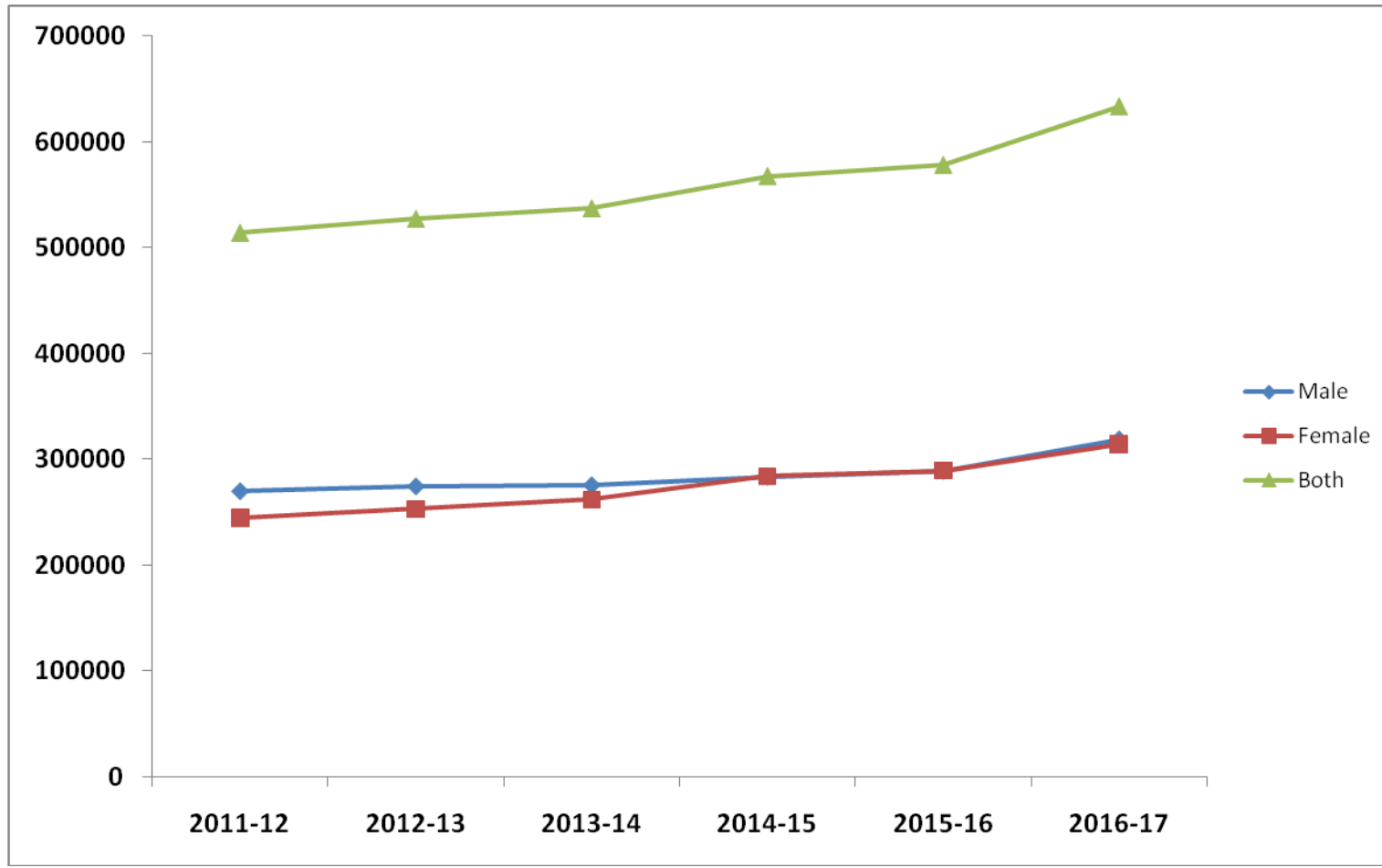
TYPES OF COLLEGES	No. of Colleges	OC		BC (Others)		BC (Muslim)		MBC / DNC		SC		SC (A)		ST		TOTAL		Total Admitted
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Government Engineering Colleges	10	54	36	858	674	102	41	535	350	256	201	56	35	20	11	1881	1348	3229
Govt. Aided Engineering Colleges	3	221	98	927	631	66	27	284	166	182	103	32	19	13	6	1725	1050	2775
Self Financing Engineering Colleges	550	9858	3540	39470	19896	4446	1102	20726	8019	17940	10724	1826	1280	721	389	94987	44950	139937
Anna University Constituent Colleges	17	143	119	1707	1390	210	93	1197	695	601	409	104	50	31	14	3993	2770	6763
TOTAL	580	10276	3793	42962	22591	4824	1263	22742	9230	18979	11437	2018	1384	785	420	102586	50118	152704

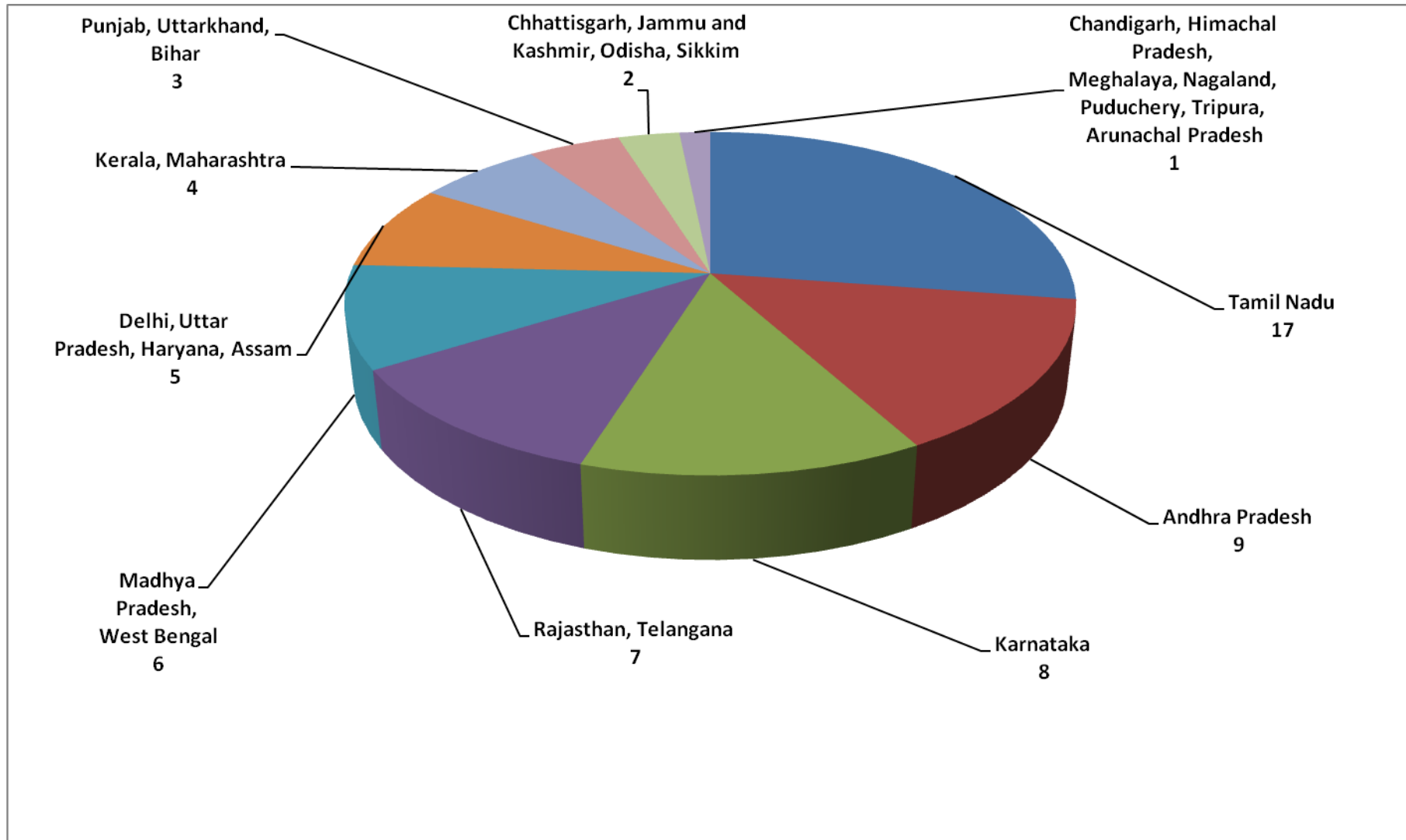# GROSS ENROLLMENT RATIO IN INDIA, TAMIL NADU AND MAJOR STATES
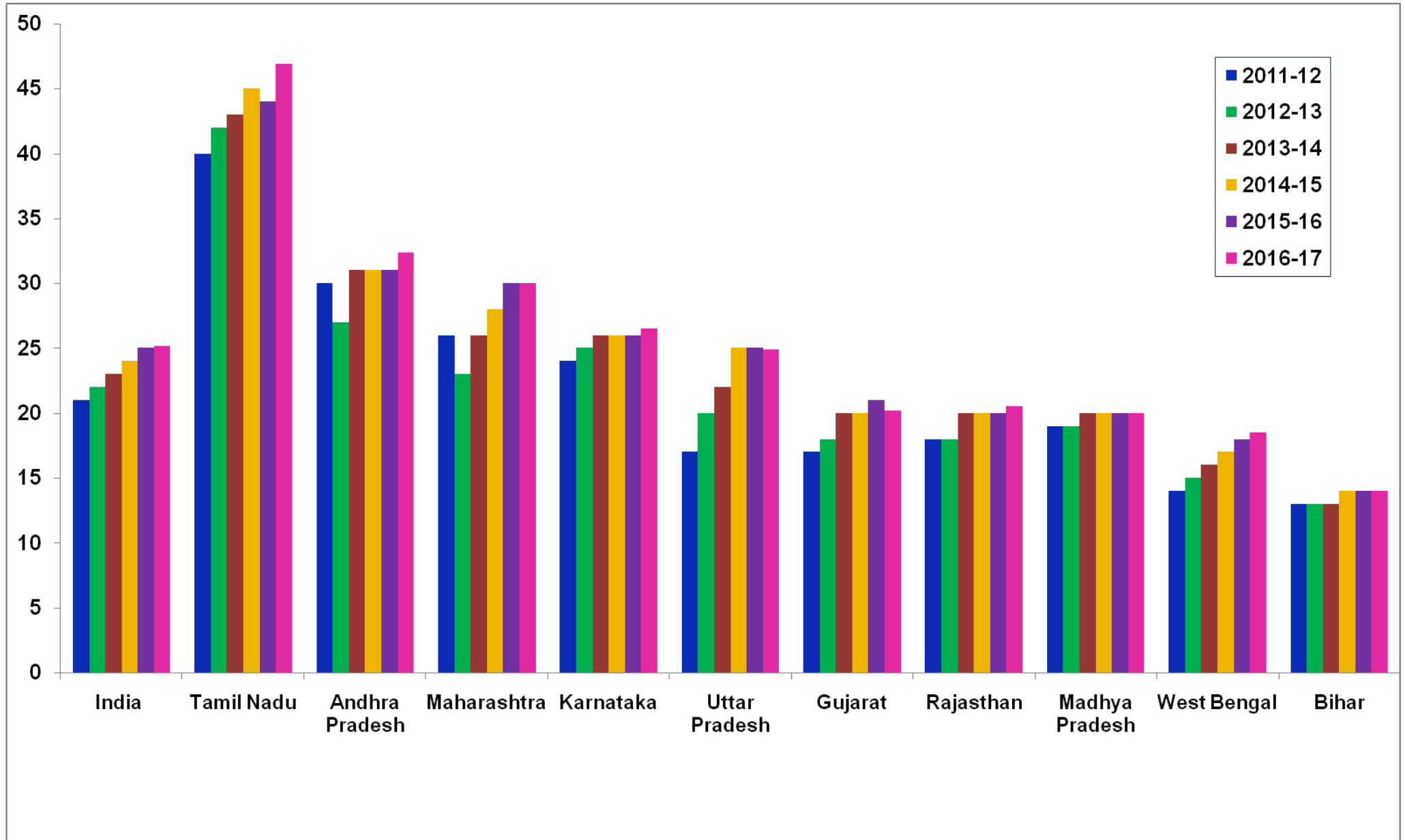
ENROLLMENT (GENDER WISE) FOR SC AND ST CATEGORY STUDENTS

STATE-WISE DUAL MODE UNIVERSITIES (2016-2017)

Punjab, Uttarkhand, Bihar
3

Chhattisgarh, Jammu and Kashmir, Odisha, Sikkim
2

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

Kerala, Maharashtra
4

Tamil Nadu
17

Delhi, Uttar Pradesh, Haryana, Assam
5

Andhra Pradesh
9

Madhya Pradesh, West Bengal
6

Rajasthan, Telangana
7

Karnataka
8

STUDENTS ENROLLMENT AT PH.D. LEVEL DEGREE FOR 2016-2017
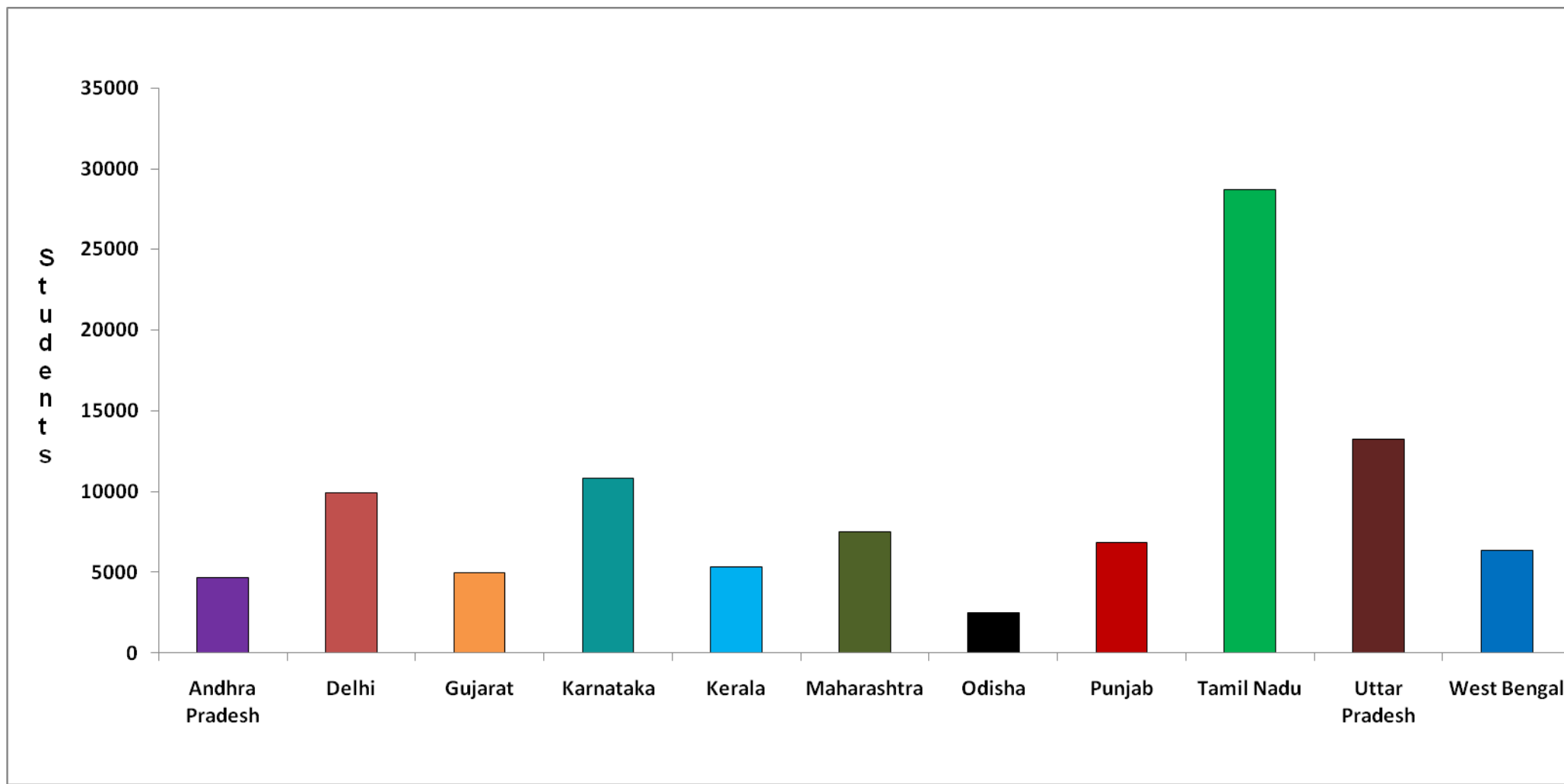
STUDENTS ENROLLMENT AT M.Phil LEVEL DEGREE FOR 2016-2017