



HIGHER EDUCATION DEPARTMENT

POLICY NOTE

**DEMAND NO.20 – HIGHER EDUCATION
2010-2011**

**DR.K.PONMUDY
MINISTER FOR HIGHER EDUCATION**

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Government of Tamil Nadu
2010

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

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**இளைஞர்கள்; மாணவர்கள்
எழுருயிறுகளாக ஒளி விட;
உழைத்து உயர்ந்தவர்களைப் புத்தகமாகப்
படியுங்கள்!
முயற்சியினால் முன்னேறியவர்களை
வழிகாட்டிகளாக ஏற்றிடுங்கள்.**

- லாக்டர் கலைஞர் மு.கருணாநிதி

INTRODUCTION

Higher Education is viewed as a long-term social investment for the promotion of economic growth, culture, social cohesion, equity and justice. The Government of Tamil Nadu have shown utmost care to strengthen the higher education system in the State to respond to the emerging demands of the new century. By adopting progressive educational policy and reforms as per the guidance of our Hon'ble Chief Minister, Higher Education System of Tamil Nadu has indeed established itself as a model to other states in Higher Education. The Government have realised that youths who belong to socially and economically backward class need to be encouraged to access higher education in large number by offering affordable Higher Education. Based on this, higher education policy of the State has been evolved.

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1.2 The Policy of Higher Education in the State has been evolved in consultation with Vice-Chancellors and eminent Educationists to achieve 25% of Gross Enrolment Ratio (GER) by 2020. In order to achieve this target, the Government have taken a number of steps.

1.3 It has been realized that the Gross Enrolment Ratio (GER) in Higher Education can be increased by offering higher education at affordable cost and by giving the opportunity to all to access Higher Education. In order to ensure the access to the students hailing from poor families and rural areas, this Government have formulated various schemes. Some of the important schemes are outlined below:-

- (i) 5 University constituent Colleges at Mettur, Valparai, Perambalur, Orathanadu & Lalgudi and 2 Government Arts and Science colleges at Surandai & Kulithalai have been established during the last 4 years. In addition to this, a new Arts & Science College as constituent college of Periyar University, Salem will be started at Pennagaram Taluk, Dharmapuri District from the academic year 2010-2011. Further, 4 new Arts & Science Colleges with the assistance of Government of India will be started in Pudukottai, Theni, Thiruvannamalai and Villupuram districts.
- (ii) 6 new Engineering Colleges at Tindivanam, Villupuram, Panruti, Thirukkuvalai, Ramanathapuram and Ariyalur during the year 2008-2009 and 5 Engineering Colleges at Arani, Pattukottai, Dindigul, Thoothukudi and

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Nagercoil, during the year 2009-2010 have been started as Anna University Constituent Colleges. In total 11 new Engineering Colleges have been started.

- (iii) All self-supporting courses in Government Engineering Colleges and Arts & Science Colleges have been converted into regular courses to enable the students from poor families to access their higher studies at affordable cost.
- (iv) Shift system has been introduced in Government Arts & Science Colleges during the year 2006-2007.
- (v) Shift system has been introduced in Government Polytechnic Colleges during the year 2009-2010.
- (vi) The minimum marks for the admission in engineering colleges have been reduced to all categories of students from the year 2007-2008, which enabled students from rural areas to join professional courses in large number.
- (vii) The Common Entrance Test for admission to Professional Courses was abolished from 2007-2008. This enabled the students belonging to rural areas to join professional courses in large number. During 2006-2007, 24,670 rural students got admission under Government quota. This number has increased to 54,073 during 2009-2010.

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- (viii) Government have introduced single window counselling system for B.Ed., admission in all Government and Government aided Colleges of Education from the year 2007-2008. By this, the admission to B.Ed., courses were made in a transparent manner. Due to this, meritorious students were benefited.
- (ix) Single window counselling system is also introduced for admissions in Government Arts and Science Colleges from the academic year 2007-2008, by making each college as a unit. Students and parents have welcomed this system.
- (x) Tuition fees have been waived for all the students studying in Government Polytechnic Colleges from the year 2008-2009. By this 19,786 students were benefited during the year 2009-2010.
- (xi) The tuition fees in Government Engineering Colleges have been reduced from Rs.12,550/- to Rs.7,550/- from the academic year 2006-2007.
- (xii) Free Education has been provided in all Government and Government Aided Colleges upto Under Graduate level by waiving tuition fees since 2007-2008. 3,74,676 Students have been benefited under this scheme during 2009-2010.

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- (xiii) Tuition fees of all students pursuing Post Graduate Courses like M.A. / M.Sc. in Government Arts and Science Colleges have been abolished from the academic year 2010-2011. About 8000 students will be benefited.
- (xiv) With a view to encourage students who do not have any graduate in their families so far, to pursue professional education, the Government have decided to bear the entire tuition fee payable by these students from the academic year 2010-2011, who secure admission in professional colleges, both in Government and private engineering colleges, through the single window counseling system conducted by Government, regardless of their caste or income.
- (xv) Free Bus Passes are issued to all the students of Government Arts & Science Colleges and Government Polytechnic Colleges from the year 2007-2008. Under this scheme 19,786 students of Government Polytechnic Colleges and more than 1,47,618 students of Government Arts & Science Colleges are benefited during 2009-2010.
- (xvi) From the year 2007-2008, Maths, Chemistry and Physics Books are given to the students studying in Government Polytechnic Colleges, free of cost.

- (xvii) The differently abled students studying in Government and Government Aided Arts and Science Colleges, Engineering colleges, Polytechnics and the Universities are exempted from the payment of tuition fees and thus enabling them to pursue higher education. They will also be exempted from paying special fees from the academic year 2010-2011.

1.4 The above measures will not have any positive impact, unless the quality of higher education is ensured. Hence, in order to provide quality higher education, this Government have taken the following steps:-

- (i) Qualified teachers have been appointed in Government Arts and Science Colleges on regular basis. One month induction training on teaching methods was imparted to the newly recruited teachers. This is first of its kind in India.
- (ii) Choice Based Credit System was introduced in Arts and Science Colleges in order to enhance the Quality of Education.
- (iii) Audio Visual Facilities were provided to all Government Arts & Science Colleges at the cost of Rs.1.15 crores.
- (iv) A sum of Rs.409 lakhs has been provided to establish language labs in 63 Government Colleges. A substantial number of students from rural areas benefit from these facilities.

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- (v) 57 Additional Science laboratories have been constructed in Government Arts and Science Colleges at the cost of Rs.11.40 crores.
- (vi) The Government have established 21 Language Laboratories in Government Polytechnic Colleges and 5 Digital Libraries in Government Engineering Colleges.

1.5 This Government realized that the colleges should not languish for want of infrastructure facilities and decided to change the situation of conducting classes in open spaces and cancelling the classes during the rainy season. Hence, this Government have constructed 1142 additional classrooms at the cost of Rs.64.58 crores in all Government Arts and Science Colleges in the past four years. Rs.2.90 crores was sanctioned for the construction of Girls Hostel in Government Polytechnic Colleges in the last two years.

1.6 In order to improve the sanitation condition in Government colleges, 188 Toilet blocks with water facilities were constructed in 60 Government Arts & Science Colleges at the cost of Rs.8.64 crores. In order to protect the College lands from encroachment, Compound walls have been constructed in 12 Government Arts and Colleges at the cost of Rs.1.03 crores.

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1.7 In order to renovate the heritage buildings of Presidency College, Chennai and Tamilnadu Archives, Chennai, the Government approved the renovation projects at the cost of Rs.3.23 crores and Rs.7.71 crores under 12th Finance Commission grant-in-aid.

1.8 Placement Cells have been established in the Directorate of Collegiate Education to guide and counsel the students to face the interview and enhance their employment opportunities. Job Fairs have been conducted in various Government Colleges. Many leading companies participated in the Fair and recruited students for the various position. Finishing Schools have been established to give necessary training to the students who pass out from Engineering / Polytechnic Colleges.

1.9 For the benefit of students studying in Arts and Science Colleges, Add-on technical courses have been introduced, in which, the students are provided an opportunity to undergo additional Job-Oriented, Technical Short-Term Course in Polytechnic Colleges during holidays and evening hours along with their regular Degree Courses. Under this scheme, students studying in Government Arts and Science colleges can take technical training in 50 disciplines. 3313 students have registered for six months and one year courses during the year 2009-2010.

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1.10 Under XI Plan, a scheme for the establishment of Centre of Excellence in the Universities has been introduced. Under this scheme, an assistance of Rs.1 crore each is given to the selected University to develop the Centre of Excellence in the University. Bharathiar University, Coimbatore has been granted Rs.1 crore to develop Centre of Excellence in Nano Technology; Rs.1 crore has been sanctioned to Bharathidasan University, Tiruchirappalli to develop Centre of Excellence in School of Life Sciences; Madras University, Chennai has been funded with Rs.1 crore to develop the department of Criminology and Cyber Crime as a Centre of Excellence and Periyar University, Salem has been granted Rs.1 crore to develop Centre of Excellence in Nano Technology. This year (2010-2011) – Sri Paramakalyani Centre for Environmental Sciences of Manonmaniam Sundaranar University has been chosen to develop Centre of Excellence in Environmental Sciences.

1.11 Tamilnadu is one of the few States which implemented University Grants Commission Revised scale of pay to the College and University teachers with effect from 1.1.2006.

1.12 **“Perarignar Anna Chair”** has been instituted in Universities under the aegis of Higher Education Department in commemoration of Perarignar Anna Birth Centenary Year.

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1.13 Due to the efforts taken by our Honourable Chief Minister Dr.Kalaignar, Central University has been established at Thiruvarur. The academic courses have been started in the temporary accommodation provided by Government of Tamilnadu. The Government of Tamilnadu have given 516.76 acres of land in Nagagudi and Neelakudi Villages in Nannilam Taluk, Thiruvarur District for construction of permanent building for Central University. Like-wise, land for Indian Institute of Management (IIM) in Trichy has been allotted. It is likely to start courses from the year 2010-2011. Central University at Thiruvarur and Indian Institute of Management (IIM) at Thiruchirappalli have become reality due to the sustained efforts of our Honourable Chief Minister Dr.Kalaignar.

1.14 In June, 2010, World Tamil Classical Conference is scheduled to be held in Coimbatore. During this glorious occasion, the Government of Tamil Nadu have taken steps to introduce Tamil medium in Civil and Mechanical Engineering Courses in Anna Universities. By this, the Government of Tamil Nadu have become a pioneering state in India in providing engineering courses in mother tongue.

1.15 In Tamil Nadu, students of U.G. courses in Arts and Science were obtaining their degree till 2008-2009 without studying Tamil as one of the subjects. Due to the introduction of Choice Based Credit System during 2008-2009, Tamil has to be taken as one of the subjects in B.A. and B.Sc. under graduate courses and the students should pass in Tamil to get

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their degrees. By this the Government have put an end to the practice of obtaining under graduate degree in Arts and Science without studying Tamil as one of the subjects in Tamil Nadu.

1.16 For the development of Higher Education, the Government have evolved many schemes and implemented them successfully. The eminent Educationists have been appreciating the actions taken by Government for the sustained high growth of Higher Education in Tamil Nadu. Government is taking all necessary steps to achieve the Gross Enrolment Ratio (GER) of 25% by 2020.

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FINANCIAL OUTLAY

Under Demand No.20 - Higher Education, the total outlay is **Rs.1751.25** crores, of which **Rs.224.60** crores are for Plan Schemes and **Rs.1526.65** crores are for Non- Plan schemes.

BUDGET ESTIMATE 2010 – 2011

HEAD OF ACCOUNT		PLAN	NON-PLAN	TOTAL
(Rupees in lakhs)				
2059	Public Works Maintenance and Repairs	--	2406.97	2406.97
2202 03	General Education University and Higher Education	953.06	127602.48	128555.54
2203	Technical Education	4875.64	21524.44	26400.08
2204	Sports and Youth Services	1031.63	--	1031.63
2205 104	Arts and Culture Archives	9.00	662.11	671.11
2235	Social Security and Welfare	--	29.96	29.96
2251	Secretariat – Social Services	4616.00	376.45	4992.45
3425	Other Scientific Research	468.99	--	468.99
3454 110	Census Surveys and Statistics Gazetteer and Statistical Memoirs	--	62.60	62.60
4202	Capital outlay on Education, Sports, Arts and Culture	10506.26	0.03	10506.29
Total		22460.58	152665.04	175125.62

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PART-II SCHEMES FOR THE YEAR 2010-2011

(Rs. in lakhs)

Sl No.	Description of the scheme	Ultimate Cost	Cost in 2010-2011
Collegiate Education			
1	Purchase of Computers and improving infrastructural facilities in 19 Government Colleges	188.99	188.99
2	Purchase of Computers and improving infrastructural facilities in the Office of the Directorate of Collegiate Education	11.76	11.76
3	Construction of 10 additional laboratories in 10 Government Colleges.	200.00	200.00
4	Audio Visual Facilities in 7 Government Colleges of Education in the fourth phase	14.00	14.00

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Technical Education

5	Construction of 20 additional class rooms in 5 Government College of Engineering & Technology.	120.00	120.00
6	Construction of 4 additional class rooms in Government College of Engineering, Bargur..	24.00	24.00
7	Construction of 26 additional class rooms in 14 Government Polytechnic Colleges	156.00	156.00

Tamil Nadu Archives

8	Purchase of LCD Projector.	3.50	3.50
9	Purchase of three Drying Racks	1.50	1.50
10	Providing Machine for protected drinking water for Archival Library	0.75	0.75
11	Purchase of 32 Racks for additional floor for Archival Library	3.25	3.25

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Tamil Nadu Science and Technology Centre

12	Modernisation of Gallery & Science Park at Periyar Science & Technology Centre, Chennai.	51.00	51.00
13	Provision of 5 KVA Uninterrupted Power Supply (UPS) at Anna Science Centre-Planetarium, Tiruchirappalli	5.00	5.00

Tamil Nadu State Council for Science and Technology

14	Development of Traditional Science & Technology	5.00	5.00
15	Science and Technology Techniques Demonstration for natural resources use for Community Development	5.00	5.00
16	Research Fellowship for studies on Climate change (for M.Phil scholars)	5.00	5.00

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Science City

17	Chennai Science Festival-2011	30.00	30.00
18	Hot Spots in Science (HSS)	3.00	3.00
19	Workshop in emerging areas of Science & Technology	7.00	7.00

Total

834.75 834.75

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2. COLLEGIATE EDUCATION

2.1 The Directorate of Collegiate Education was formed in the year 1965 by bifurcating the erstwhile Directorate of Public Instruction into Directorate of School Education and Directorate of Collegiate Education. At present, 1245 Colleges (62 Government Colleges, 7 Government Colleges of Education, 162 Aided Colleges and 1014 Self-financing Colleges) are functioning under the administrative control of the Directorate of Collegiate Education.

Implementation of English Language Fellow Programme in Arts and Science Colleges

2.2 The objective of this programme is to enhance English teaching, provide the teacher and students the communication skills they need to compete in the global level. This Programme was conducted in association with the Bureau of Educational and Cultural Affairs (ECA), U.S Department of State. English Lecturers from various Government Colleges are chosen as Master Trainers and have been trained by the ELF (English Language Fellow). These Lecturers have conducted Zonal Work Shop in three centres namely Cuddalore, Coimbatore and Madurai along with ELF.

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Project Genesis Programme by Infosys BPO Ltd to Government College Teachers

2.3 Based on the proposal submitted by the Infosys BPO Ltd., Bangalore to give training in Soft skills and Analytical skills, a training programme has been organised for 60 Teachers from 30 Government Colleges in Tamilnadu. The Training programme was conducted during January 2009 at Infosys, Mysore for 60 Government College Teachers. Trained teachers imparted skills to chosen students in their colleges. This training will help the students to perform well while they seek employment. During January 2010 also, the Infosys BPO Ltd has trained 50 Assistant Professors from 25 Government Colleges in language and analytical skills in their training centre located at Mahendra City, Chennai.

Infrastructure Development in newly started Government Colleges.

2.4 In commemoration of Legislative Assembly Golden Jubilee year of Dr. Kalaignar, Government have established a new Arts & Science College at Kulithalai called **Dr. Kalaignar Government Arts College (Legislative Assembly Golden Jubilee), Kulithalai** during the year 2008. A sum of Rs.284 lakhs has been sanctioned for the construction of building for this College and the college will start functioning from the newly constructed building from the academic year 2010-2011. Likewise, Government Arts College, Surandai in Tirunelveli District will start functioning from the newly constructed building from the academic year 2010-2011.

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2.5 In order to give face-lift to Queen Mary's College, Chennai, Government approved a sum of Rs.320 lakhs towards the construction of a new building called "Kalaingar Valagam". The work is in the final stage of completion.

National Service Scheme (N.S.S.)

2.6 National Service Scheme is implemented in Universities, Colleges, Polytechnics, Industrial Training Institutes and Higher Secondary Schools. The Government of India and Government of Tamil Nadu share the grant at the ratio of 7:5. The Universities and Colleges including Polytechnics and Higher Secondary Schools had 3,36,380 student volunteers during the year 2007-2008 and it has been enhanced to 3,70,018 volunteers during the year 2008-2009. Among them 1,85,009 volunteers are participating in the special camping programme during the year 2009-10. For the year 2009-2010, a sum of Rs.927.92 lakhs has been provided as grant for NSS of which Central share of Rs. 541.29 lakhs and State share of Rs.386.63 lakhs. The volunteers take up awareness programmes like the need for construction of Toilets in rural areas, Prevention of Communal riots, Education for all, Empowerment of women & HIV / AIDS Awareness messages etc.

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Empowerment of Women

2.7 Free coaching is given exclusively for women students appearing for IAS / IPS Examination at two centres - one at Queen Mary's College, Chennai and the other at Arulmigu Meenakshi Government College for Women, Madurai. They have been established by the Government to give free coaching to women students. In each centre, 60 women students are given free coaching for appearing in IAS/IPS Examinations. For effective implementation of this scheme, a sum of Rs.10 lakhs has been provided by the Government during 2009-2010.

Stipend for Tamil Medium Students

2.8 The scheme of stipend to students in Tamil Medium was introduced from the year 1971-1972. A sum of Rs.400/- is given as stipend to each student studying in Tamil Medium. For the effective implementation of this scheme, a sum of Rs.1,35,00,000 has been provided during 2009-2010. About 32,190 students were benefited under this scheme.

Special Coaching to SC / ST & MBC Students

2.9 The students studying in Government Colleges particularly in rural areas belonging to SC/ST and MBC communities face some initial difficulties in English, Maths and Science subjects. In order to make them fully conversant with these subjects, special coaching is given outside the class hours and also during weekends. They will be able to compete with

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other bright students and will also improve their performance in their University examinations when they complete these remedial courses in the respective subjects. More than 4,400 students are benefited under this scheme.

Tamilnadu Agricultural Labourers-farmers (Social Security and welfare) Scheme, 2006

2.10 Tamil Nadu Agricultural Labourers – Farmers (Social Security and Welfare) Scheme has been introduced with effect from 22-12-2006. This scheme is for the upliftment of the Agricultural Labourers, Farmers and Registered Tenants and their dependants in social, educational and economic status. To improve the educational status of the children of Agricultural Labourers and Farmers, who are studying in Arts and Science Colleges, Government have provided assistance to the tune of Rs. 5,30,22,000/- to 23,901 students during the year 2009-2010. The quantum of assistance under this scheme is given below:-

Sl No	Details of course	Hostler		Day scholar	
		Boys Rs.	Girls Rs.	Boys Rs.	Girls Rs.
1.	UG Degree course (per year)	2000	2500	1750	2250
2	PG Degree course (per year)	3250	3750	2250	2750

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JOB FAIR

2.11 A Placement Cell has been established in the Directorate of Collegiate Education for the benefit of the students. Through this cell, Job Fairs have been conducted in various Centres viz. Government Arts College for Men, Nandanam, Chennai; Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai; Arignar Anna Government Arts College, Villupuram; Periyar E.V.R. College, Tiruchirappalli; Chikkanna Government Arts College, Tirupur and Sri Meenakshi Government College for Women, Madurai and brought many leading Companies to recruit students for various posts.

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3. TECHNICAL EDUCATION

3.1 The Directorate of Technical Education was established on 14th October, 1957. The Government of Tamil Nadu has taken efforts to formulate new policies and promote developments in the field of Technical Education both in Degree and Diploma level. Further, the Government policy is to increase the quantity of Institutions - Polytechnic Colleges as well as Engineering Colleges so as to ensure accessibility of Technical Education even in remote areas for disadvantaged and weaker sections of the society. Owing to this, at present, there are 6 Government Engineering Colleges, 3 Government Aided Engineering Colleges, 16 Constituent Colleges of Anna Universities and 431 Self-Financing Engineering Colleges. There are 22 Government Polytechnic Colleges, 34 Government-Aided Polytechnic Colleges, 3 Affiliated Polytechnic Colleges and 307 Self-Financing Polytechnic Colleges functioning in Tamil Nadu.

Starting of New Polytechnic Colleges

3.2 It has been proposed to start 7 New Government Polytechnic Colleges in Dharmapuri, Karur, Perambalur, Theni, Thiruvarur, Thiruvannamalai and Villupuram Districts with the financial assistance of Government of India, during 2010-2011.

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3.3 In order to fulfill the need of the rural and poor students for Technical Education, permission has been accorded to start a new Government Polytechnic College in Ambalakaranpatti, Melur Taluk, Madurai District from the academic year 2010-2011 and Rs.5.37 crores has been sanctioned for the creation of infrastructure for the college.

Introduction of Shift System in Government Polytechnic Colleges

3.4 The shift system has been introduced in Polytechnic Colleges with the aim of providing technical education to meritorious students hailing from rural areas. As a first step, this system has been implemented in 14 Government Polytechnic Colleges from the academic year 2009-2010 with an additional sanctioned intake of 3420 of which, 3216 students have been admitted - 2752 girls and 464 boys.

Establishment of New Engineering College

3.5 In memory of Perarignar Anna Birth Centenary, as announced by Hon'ble Chief Minister, Anna University Constituent Engineering College will be started in Kancheepuram from 2010-2011.

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Increase of students intake in Government Engineering Colleges & Recruitment of Faculty

3.6 600 seats have been permitted for the additional intake of students in 5 Government Engineering Colleges from the academic year 2009-2010 onwards. In order to meet the additional workload, 4 lecturer posts and one Non-teaching post have been sanctioned for each College. A sum of Rs.43.20 lakhs as recurring expenditure and a sum of Rs.125 lakhs as non-recurring expenditure have been sanctioned in this regard.

Training for Teaching & Non-Teaching Staff of the Government Engineering & Polytechnic Colleges.

3.7 It has been proposed to impart Training to the Teaching and Non-teaching Technical staff of the Government Engineering and Government Polytechnic Colleges at National Institute of Technical Teachers' Training and Research (NITTTR), Chennai. Based on this, action has been taken to give training programmes at NITTTR for the faculty members.

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**Tamilnadu Agricultural Labourers –
Farmers (Social Security And Welfare) Scheme, 2006**

3.8 Tamil Nadu Agricultural Labourers – Farmers (Social Security and Welfare) Scheme is implemented during the year 2006. This scheme is for upliftment of the Agricultural Labourers, Farmers and registered Tenants and their dependents in social, educational and economic status. An assistance to the tune of Rs.6,09,98,650/- has been provided to 28,511 students during the year 2009-2010. The quantum of assistance under this scheme is given below:-

Sl. No	Category [per year]	Hostler		Day Scholar	
		Boys [Rs.]	Girls [Rs.]	Boys [Rs.]	Girls [Rs.]
01	Polytechnic	1450	1950	1250	1750
02	B.E / B.Tech / B.Arch	4250	4750	2250	2750
03	M.E / M.Tech / MBA / MCA	6250	6750	4250	4750
04	M.Sc (IT) & (C.S)-5 Years course	3250	3750	2250	2750

‘எண்ணிக்கையை அதிகரிப்போம்’

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4. UNIVERSITIES

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

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

Technical Universities

14. Anna University, Chennai
15. Anna University, Coimbatore
16. Anna University, Tiruchirappalli
17. Anna University, Tirunelveli

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

UNIVERSITY OF MADRAS

4.1 The University of Madras, organized on the model of London University, was incorporated on September 5, 1857 by an Act of the Legislative Council of India. It is one of the three Premier Universities, the other two being the University of Calcutta and University of Bombay. Started as an examining body, research and teaching functions of the University were consolidated by the enactment of Madras University Act of 1923.

4.2 The University of Madras has been granted recognition under section 2(f) and 12(b) of the UGC Act by University Grants Commission (UGC) from the very inception of UGC in 1956. At present the University is functioning at six campuses viz. i) Chepauk (Main) Campus, ii) Guindy Campus, iii) Marina Campus, iv) Taramani Campus, v) Chetpet Campus (Madras University Union) and vi) Maduravoyal Campus (Field Laboratory).

4.3 The University of Madras was the first to introduce the concept of autonomous colleges within the University system. The concept encouraged the colleges with the required academic and infrastructure strengths to seek autonomous status and even aspire for the status of college with potential for excellence. There are 179 colleges/Research Institutions affiliated to University of Madras and 19 are autonomous colleges.

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

4.4 There are 66 teaching and research Departments in the University of Madras which are grouped under 18 Schools.

4.5 The following are the achievements of the Madras University in the recent years :-

1. Conservation of the Senate House
2. Induction of Soft Skills Course
3. Release of University Commemorative Publications
4. Establishment of 11 Centres of Excellence with the support of Central and State Governments
5. Awards for academic achievements of students
6. Streamlining of academic activities
7. Quality Improvement measures in teaching and research
8. National and International Seminars/Symposium and Workshops
9. Digital Library Initiatives in all the campus libraries
10. Enhanced Computer Networking and Telephone services in all the campuses
11. Inter-Collegiate and Inter-University sports events
12. Promotions and welfare schemes for teaching and non-teaching staff
13. Improved infrastructure facilities
14. Establishment of e-Governance

‘எண்ணிக்கையை அதிகரிப்போம்’

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MADURAI KAMARAJ UNIVERSITY

4.6 Madurai Kamaraj University, a University with Potential for Excellence was established in 1966. It has 74 Departments clustered into 18 Schools. Madurai Kamaraj University is one among the nine Universities which has been recognized by UGC as University with Potential for Excellence among the Universities across the country. The University has 72 affiliated colleges which comprise of 15 Aided, 2 Government, 19 Autonomous, 31 Self-financing and 5 Evening Colleges. Besides this, 2 Constituent Colleges and 15 approved institutions are also functioning under the control of the University. The Directorate of Distance Education of the University has a student strength of about 1.23 lakhs. It is the second oldest Distance Education Directorate in the country, next only to the University of Delhi.

4.7 The significant contributions of the University are in the areas of strengthening of infrastructure, faculty empowerment programmes, student friendly academic reforms, monthly Students' Grievance Redressal Meeting on third Wednesday of every month chaired by the Vice-Chancellor, Free Education for 25 poor students every year, University-Industry Linkage (Joint Programmes with Confederation of Indian Industry and ICT Academy of Tamil Nadu), curriculum improvement, coaching classes for UGC-NET Examinations for SC/ST students and international collaborations.

‘எண்ணிக்கையை அதிகரிப்போம்’

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4.8 The UGC has approved Rs.975.00 lakhs and released Rs.312.00 lakhs towards XI Plan under the head General Development Grant and approved Rs.274.00 lakhs and released Rs.74.00 lakhs towards merged schemes of XI Plan and Rs.5.00 lakhs towards Internal Quality Assurance Cell (IQAC). The UGC has also sanctioned Women's Study Centre to the University this year.

4.9 There is a well-established Academic Staff College in the University, which trains the teachers of affiliated institutions and University.

4.10 The University signed a Memorandum of Understanding (MoU) with ICT Academy of Tamilnadu for providing training program for the faculty members of the affiliated colleges of Madurai Kamaraj University in ICT domain. It is proposed to have series of training programmes for the benefit of the affiliated college teachers of Madurai Kamaraj University.

Activities proposed to be undertaken during 2010-2011

4.11 It is proposed to establish an "Administrative Staff Training College" for giving training to the administrative staff of the University and colleges.

4.12 Proposed to establish a world class Auditorium at the cost of Rs.7 crores.

‘எண்ணிக்கையை அதிகரிப்போம்’

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4.13 An open courseware for Madurai Kamaraj University has been established. It is proposed to strengthen a Digital Learning Repository to ensure quality teaching and learning at Madurai Kamaraj University.

BHARATHIAR UNIVERSITY

4.14 The Bharathiar University was established at Coimbatore, in February 1982. The Jurisdiction of the University extends over the revenue districts of Coimbatore, Tirupur, Erode and the Nilgiris. At present the University has 94 affiliated colleges, 8 Management and Computer Science Institutions, one College of Physical Education and one Air Force Administrative College.

4.15 The University has also professional relationships with Confederation of Indian Industries (CII), Chamber of Commerce, South India Mills Association (SIMA), South Indian Textiles Research Association (SITRA), Coimbatore District Small Scale Industries Association (CODISSIA), Coimbatore Foundry Industries Association (CFIA), Tirupur Exporters Association (TEA), Nethaji Apparel Park, Coimbatore Productivity Council etc. Representatives of these bodies are made as members in the Boards of Studies, Planning Board and Senate of the University.

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

4.16 The following are the important activities of the University in the recent years :-

- An agreement with National University of Singapore (NUS) for Joint Curriculum Design, Visiting Professorship, conducting Joint Symposia and Co-supervision of Research.
- The Overseas Students Support Services (OSSS) of Bharathiar University organized an International Students' Summit
- 37 new job oriented and innovative courses were designed and instituted during the academic year 2008-09.
- The University has conducted 1 International and 4 National Seminars, 2 National Conferences and 12 Workshops, faculty members participated and presented papers in 26 (both National and International) conferences and 12 seminars and 122 publications from the departments.
- A Library in the name of Euler, a Mathematician has been inaugurated exclusively for the Department of Applied Mathematics.
- The Department of Physical Education organized a state level sports for Mentally Challenged children in the year 2009.

‘எண்ணிக்கையை அதிகரிப்போம்’

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- The Department of Environmental Science has undertaken collaborative research programmes with following research institutions

1. Wageningen University, The Netherlands
2. University of Teesside, UK,
3. St. Louis University, USA,
4. Jatropower AG, Switzerland,
5. AVH Foundation, Germany.
6. GKNM Hospital, Coimbatore,
7. Dr. Mohan Diabetic Study Centre, Chennai,

BHARATHIDASAN UNIVERSITY

4.17 Bharathidasan University was established in 1982 at Tiruchirappalli. The University has jurisdiction over eight districts viz. Tiruchirappalli, Karur, Perambalur, Ariyalur, Thanjavur, Nagapattinam, Thiruvarur and Pudukottai.

4.18 The University has 52 Departments/ Centres and 16 schools. 104 Arts and Science Colleges and 3 constituent colleges (Perambalur, Orathanadu and Lalgudi) are affiliated to this University. Totally, 252 programmes are offered through Colleges/ Affiliated Institutions.

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

Activities / Schemes

4.19 The following are the recent activities of the University :-

- A Centre titled “Kalaighnar Tamil Development Research Centre” has been established and works regarding the publication of “Kalaighnar Literary Collections” is going on.
- A Center in the name of “Mahatma Gandhi-Doerenkamp Centre for Alternatives to use of Animals in Life Science Education” has been established with a grant of Eu.450,000 equivalent to Rs.3.00 crores from the Doerenkamp – Zbinden Foundation, Switzerland. This Center shall endeavor to train the Life Science and Biomedical Science teachers and students in dissection, in vitro and in silico alternatives for the use of animals.

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

ALAGAPPA UNIVERSITY

4.20 Alagappa University was established in 1985 and located at Karaikudi in Sivagangai District. The University has emerged from the galaxy of institutions initially founded at Karaikudi by the munificent personality, Dr.R.M.Alagappa Chettiar. The University has Jurisdiction over Ramanathapuram and Sivagangai District. 30 Arts and Science Colleges comprising 8 Government Colleges, 5 Aided Colleges, 11 Self-financing Colleges, 4 evening Colleges of Alagappa University and 2 Institutes (Arabic Colleges and Royal Institute of Science and Technology) are affiliated to this University. The University offers 241 programmes under Choice Based Credit System.

Activities / Schemes

4.21 The following are the important activities of the University in the recent years :-

- In 2008-2009, 4 new Departments namely Animal Health and Management, Bioinformatics, Bio-Sensors and Bio-Electronics and Nano Science & Technology were created.
- More than 200 Seminars, workshops and conferences were organized including the All India Social Science Congress in September 2006. In 2008-2009 alone, 5 International conferences and 80 National conferences were organized.

‘எண்ணிக்கையை அதிகரிப்போம்’

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- The University has a great commitment for Quality Higher Education. The curricula are modernized and selection of and admission to many programmes are based on screening entrance examination. A lot of practical learning component is embedded in the curriculum. As per the Tamilnadu State Council for Higher Education and UGC guidelines, admission to Ph.D. and M.Phil programmes is based on All India Entrance Examination.

MOTHER TERESA WOMEN'S UNIVERSITY

4.22 The Mother Teresa Women's University was established in Kodaikanal in 1984. The University was given the responsibility of furthering the advancement of learning and prosecution of Research in the area of Women's Studies and also for purpose of providing consultancy and monitoring service for the Welfare Schemes for Women. Ten women Colleges situated in Dindigul and Theni Districts are affiliated to this University.

4.23 Economics, English, Education, Historical Studies, Family Life Management, Sociology, Tamil Studies, Computer Science, Women's Studies and Science are the departments of this University. The University has been conferred with B++ status by National Assessment and Accreditation Council.

4.24 Mother Teresa Women's University is the only University focusing on Women's Studies through its different curricula, syllabi and research and extension activities.

‘எண்ணிக்கையை அதிகரிப்போம்’

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MANONMANIAM SUNDARANAR UNIVERSITY

4.25 Manonmaniam Sundaranar University was established in 1990. The University is located at Abishekapatti, Tirunelveli with two satellite campuses at Alwarkurichi and Rajakkamangalam. The University caters to the long-felt educational needs of the three southern districts of Tamilnadu viz., Tirunelveli, Thoothukudi and Kanyakumari. It also extends educational service through Distance Education Mode.

Departments and Colleges

4.26 The University has 26 academic departments with 2 Government Colleges, 32 Aided Colleges, 26 Self-Financing Colleges, one Constituent college, 5 Mano Colleges, 25 Community colleges and 89 Extension Learning Programmes (ELP). Apart from P.G. and Research Programmes, the diploma and certificate courses are also offered through the colleges.

University Stipendiary Research Fellowship

4.27 To encourage the Research Scholars in their work, the University provides stipendiary allowance to the research scholars under the scheme known as University Stipendiary Research Fellowship. The selected USRF scholars are given fellowship assistance of Rs.2000/- per month with a contingency allowance of Rs.4000/- per annum.

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University Library

4.28 The University Library provides research oriented information to its users and getting from American Information Resource Centre. It has its membership with DELNET and also providing e-journals service through INFONET for the Teaching & Research Scholars in a well-planned manner. This will fetch a very good name among the faculty members and to provide and continue this service in an elaborate manner.

Mano Colleges

4.29 A frontline educational venture was the floating of MANO Colleges in rural areas of the University region so as to educate and empower the poor and women students at an affordable cost. At present, there are 5 centers at Nagampatti, Sankarankovil, Puliyangudi, Govindaperi and Thisaiyanvilai.

Community Colleges

4.30 To promote the employability of the rural youth who have completed 10th/ +2 course, the University introduced the Community Colleges Scheme in 1999. Under this scheme, 25 Community Colleges have been approved and through these Colleges 25 job-oriented, work-related and skill-based courses are offered and diplomas are awarded.

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

PERIYAR UNIVERSITY

4.31 Periyar University was established in the year 1997 at Salem. It has eighteen teaching and research departments. 64 Arts & Science Colleges are affiliated to this University.

Placement Cell

4.32 For the benefit of the students, Periyar University is providing career guidance and counselling and placement to the students.

Skill Development Course

4.33 In order to empower the students with skills, Skill Development courses have been introduced. With the aim for the improvement of poor and rural students who cannot afford to study in the regular colleges, one-year skill development diploma courses are given.

‘எண்ணிக்கையை அதிகரிப்போம்’

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THIRUVALLUVAR UNIVERSITY

4.34 Thiruvalluvar University was established in the year 2002 at Vellore. The University has Jurisdiction over Vellore, Thiruvannamalai, Villupuram and Cuddalore Districts. 10 Government Arts and Science Colleges, 9 Aided Colleges, 62 Self-financing Arts and Science Colleges and 2 Oriental Title Colleges are affiliated to this University.

4.35 Thiruvalluvar University has implemented semester system from the year 2007-2008 and Choice Based Credit System from the year 2008-2009.

4.36 Hon'ble Chief Minister of Tamil Nadu has laid the foundation stone for the new campus at Serkadu Village, Katpadi Taluk on 16.02.2008 for the construction of the Administrative Block, Academic Block, Computer Block and Library Block and a sum of Rs.16.70 crores has been sanctioned for this purpose. The University will start its functioning in the new premises from the forthcoming academic year.

4.37 A Post Graduate Extension Centre of this University will be established at Villupuram from this academic year.

‘எண்ணிக்கையை அதிகரிப்போம்’

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TAMIL NADU OPEN UNIVERSITY

4.38 The Tamil Nadu Open University was established in 2002, with the objective of introducing and promoting Open and Distance Education System in Tamil Nadu, as well as co-ordinating and setting the standards for such systems. It is the 10th State Open University established in the country. 108 programmes are offered by this University. The students strength has crossed 2.5 lakhs.

4.39 In addition to the printed learning material that is the mainstay of the instructional medium, the University is poised to introduce multi-media content on stand-alone CD-ROMs as supplementary materials. Towards this end, 101 such CD-ROMs have already been created. Plans are afoot to bring out the CDs on “Ettuth Thohai” and “Paththu Pattu” under the “Agam” and “Puram” categories.

4.40 The University has commissioned e-Governance that has tremendously eased student admission process. In addition, a 3-part OMR answer sheets have been introduced since June 2008 examinations that helped the University to publish its results within the stipulated time.

‘எண்ணிக்கையை அதிகரிப்போம்’

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ANNAMALAI UNIVERSITY

4.41 Annamalai University was established in 1929 as Unitary residential centre of higher learning, patterned after the renowned Universities of Oxford and Cambridge. With barely seven departments of study at its inception, the University has now 49 departments under the 9 Faculty of Arts, Science, Indian Languages, Engineering and Technology, Education, Fine Arts, Agriculture, Medicine and Dentistry on a sprawling campus of about 1000 acres.

4.42 The University has a strength of nearly 3000 faculty members engaged in teaching and research. Over 23000 students are on roll in the on campus programmes. The NAAC has accredited this University at B++ level.

4.43 The Ministry of Earth Sciences has identified the Centre for Advanced Study in Marine Biology of this University as Centre of Excellence and the department is monitoring the coastal eco systems over the eastern and western coastal area. Further, this department is doing several coastal environment research works such as safeguarding of Corel reef, rearing of sea horse, etc.

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

TAMIL NADU PHYSICAL EDUCATION AND SPORTS UNIVERSITY

4.44 Tamil Nadu Physical Education and Sports University was established in 2005. At present, the University is temporarily functioning at E.V.K. Sampath Maaligai, College Road, Chennai. An extent of 125 acres of Government land has been alienated for the establishment of the main campus at Melakottaiyur Village, (Near Kelambakkam), Chengalpet Taluk, Kancheepuram District. The construction work relating to the Academic Block, Administrative Building and Hostel for Boys and Girls in the said land are commenced.

Choice Based Credit System

4.45 All the programmes of U.G., P.G., M.Phil, Ph.D and P.G. Diploma Programmes of 11 University departments and 10 affiliated colleges are offered under Choice Based Credit System.

‘எண்ணிக்கையை அதிகரிப்போம்’

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TAMIL NADU TEACHERS EDUCATION UNIVERSITY

4.46 The Tamil Nadu Teachers Education University was established in 2008. The University is functioning in the Lady Willington College Campus. 645 B.Ed. Colleges are affiliated to this University.

The important objectives of the University

- to monitor teachers education as approved by the National Council for Teachers Education at the State levels;
- to develop research facilities in teachers education and to find out the ways and means to identify innovative courses in teachers education;
- to conduct and organize seminars, workshops and symposia in promoting teachers education with a view to offering programmes in the latest fields and to develop the extension activities.

‘எண்ணிக்கையை அதிகரிப்போம்’

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5. TECHNICAL UNIVERSITIES

ANNA UNIVERSITY, CHENNAI

5.1 Anna University was established on 4th September 1978 as a unitary type of University to promote teaching and research in the field of Engineering, Technology and Applied Sciences by bringing together the College of Engineering Guindy (CEG), Chennai, Alagappa College of Technology (ACT), Chennai, School of Architecture and Planning (SAP), Chennai and Madras Institute of Technology, Chrompet (MIT), Chennai. The University with its infrastructure facilities has started growing and raised to the standards of Higher Education and has world-wide recognition in the field of Engineering, Technology and Applied Sciences. Anna University, Chennai has been awarded Five-Star Status by National Assessment and Accreditation Committee of the U.G.C. / A.I.C.T.E. In the year 2009-2010, this University has turned out around 88,000 Engineering graduates, the largest number of engineers from any University in India. This University occupies the second position in the e-journal access made available under UGC Infonet Programme at State Level and eleventh position at the National Level.

5.2 Anna University Chennai has also established three University Colleges of Engineering, at Tindivanam and Villupuram during the academic year 2008-2009 and at Arni during the academic year 2009-2010.

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5.3 Prior to the year 1978 the University was conducting only 16 UG programmes, 26 PG programmes and 6 PG Diploma Programmes. After the formation of the University in 1978, a number of new courses were introduced taking into account the emerging area in technology development. At present, the University is conducting 45 UG programmes (Full Time and Part Time), 104 PG programmes (Full Time and Part Time), 5 M.Phil. programmes and Ph.D. programmes in all the Engineering, Technology and Applied Sciences.

Achievements

5.4 The following are the important achievements of the Anna University, Chennai in the recent years:-

- (a) Anna University, Chennai has established tie-ups with Universities and organisations abroad in order to promote research in technical education. More than 145 National and 100 International Memorandum of Understanding have been signed so far.
- (b) Anna University, Chennai is the first University to receive the Project for the Development of Micro Satellite from the ISRO. ANUSAT is the first Satellite to be designed and developed by an Indian University. This will help the activities of the Tamil Nadu Government during natural disaster.

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

ANNA UNIVERSITY, COIMBATORE

5.5 The Anna University Coimbatore has been established under Tamilnadu Act No.42 of 2006 by the Government of Tamil Nadu on 01.02.2007. At present, 3 Government Engineering Colleges, 2 Govt. Aided Engineering Colleges, 132 Self-Financing Engineering Colleges and 29 Stand-alone (MBA/MCA) Institutions in the Districts of Coimbatore, Tirupur, Erode, Karur, Dharmapuri, Krishnagiri, Namakkal, Salem and The Nilgiris are affiliated to Anna University, Coimbatore.

Post Graduate Courses

5.6 The University is offering 23 courses in M.E./M.Tech. programme, with 1011 students under Full-Time and 838 students under Part-Time modes, 5 MBA Courses with 681 students in Full-Time and 52 students in Part-Time and one MCA programme with 251 students.

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

5.7 The following are the important schemes proposed to be undertaken during 2010-2011:-

(a) Introduction of Engineering Courses in Tamil Medium

A High Level Committee has been constituted to recommend the modalities for conducting Tamil Medium Engineering Courses in UG level from the coming academic year.

(b) Online Education

Apart from various e-Governance initiatives in academic and administration, the University will be introducing online education from the year 2010-2011 onwards using the Information Communication Technology tools. To start with, 5 MBA and 5 M.E./M.Tech. programmes will be offered through online mode from the academic year 2010-2011.

ANNA UNIVERSITY, TIRUCHIRAPPALLI

5.8 Anna University, Tiruchirappalli was established as per Tamil Nadu Act 41 of 2006 and came into existence from 01.02.2007.

5.9 The **Centre for Academic Excellence** is established for the conduct of Faculty Development, Short Term Training, Instructional Methodology Enhancement, Campus Placement Training, Skill Development, Research Initiative programmes to explore different dimensions of teaching and learning and thereby to enhance the standard of education.

5.10 The **Centre for Convergence of Technologies** focuses on applied research and convergence of core engineering disciplines like Mechanical, Electrical etc., with the advancements in Information Technology. It works on various research projects related to Web Services, Wireless Computing, Ad-hoc Sensor Networking, Embedded Systems and Pervasive Computing.

Important Achievements

5.11 This University established four new engineering colleges at Ariyalur, Panruti, Thirukkuvalai and Ramanathapuram during the academic year 2008-2009 and started two more new engineering colleges at Dindigul and Pattukkottai in the academic year 2009-2010.

5.12 Two International Conferences were hosted in the areas of Pharmacy and Operations Research. Campus-wide network with 10 GB backbone has been established in the Main Campus.

‘எண்ணிக்கையை அதிகரிப்போம்’

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ANNA UNIVERSITY, TIRUNELVELI

5.13 The Anna University, Tirunelveli was established as per the Tamilnadu Act 28 of 2007 and is now functioning at Government College of Engineering, Tirunelveli. The University has 76 Engineering colleges under its control spread over Tirunelveli, Kanyakumari, Thoothukudi, Virudhunagar and Madurai districts. The University is implementing e-Governance for its administration of the University.

5.14 To Provide quality education in the field of Engineering and Technology and to enhance the quality of technical teachers in the field of Engineering and Technology, to attract the young and innovative minds to practice research in the field of Science & Technology and to establish Advanced Research Centre are the objectives of this University.

5.15 This University has established the Departments of Civil Engineering, Mechanical Engineering, Computer Science and Engineering, Electronics & Communication Engineering, Management Studies, Electrical & Electronics Engineering and Science & Humanities.

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6. TAMILNADU SCIENCE AND TECHNOLOGY CENTRE

6.1 Tamilnadu Science and Technology Centre was established in 1983 as an autonomous body. It is functioning under the Chairmanship of Minister for Higher Education. The main objective of the Centre is to popularize Science and Technology among the common people in general and students in particular.

6.2 Tamilnadu Science and Technology Centre has set up a Science Centre including a Planetarium in Chennai known as Periyar Science and Technology Centre, which was dedicated to the Nation on 11.05.1988. Periyar Science and Technology Centre started its functioning from 17.09.1990 onwards. The Anna Science Centre including Planetarium at Tiruchirappalli started functioning from 10.06.1999 onwards. Regional Science Centre will be established at Coimbatore at the cost of Rs.850.00 lakhs. The construction work is under progress.

6.3 Organising Science & Technology based temporary exhibitions, conducting workshops, seminars, lectures, short-term courses, astronomy camp competitions like quiz, essay, elocution, drawing, maths talent contest, astronomy Olympiad, astronomy talent contest, "Meet the Scientist" and "Meet your Medical

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Expert” programmes, short term astronomy courses, computer courses are the important activities of the Centre. A Mobile Science Exhibition unit, comprising 24 built-in participatory exhibits and mini-planetarium has been in continuous operation to popularize science and technology among the rural public and the student community.

6.4 During the financial year 2009-2010, the following facilities were dedicated :-

- a) Mirror Dome facility at B.M.Birla Planetarium at the cost of Rs.24.00 lakhs to convey the complicated Astronomy and Astrophysics concept in easier and enjoyable way.
- b) Three Dimensional facility at Anna Science Centre, Tiruchirappalli at the cost of Rs.15.00 lakhs to provide scientific information through infotainment.
- c) Three Portable Planetarium facilities incorporating latest digital technique at the cost of Rs.15.00 lakhs.

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- d) The International year of Astronomy programme was organised to remove superstitious belief among the student community.
- e) The Science Park at an estimated cost of Rs.10.00 lakhs in Madurai Kamaraj University.

6.5 This Centre proposed to develop the following new educational facilities during the year 2010-2011 :-

1. A State Level Renewable Energy Park, with the financial assistance from Ministry of Non-Conventional Energy Sources, Government of India, and from Government of Tamilnadu at a total cost of Rs.124.00 lakhs.
2. An Evolution Park, depicting from a single cellular organism to the Precambrian objects, at Periyar Science and Technology Centre, Chennai at a cost of Rs.45.00 lakhs during the financial year 2010-2011.
3. Modernisation of Life Science Gallery in Periyar Science and Technology Centre, Chennai at a cost of Rs.15.00 lakhs during the financial year 2010-2011.

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4. A Gallery on Defence Research and Development will be set up at Periyar Science and Technology Centre, Chennai at an estimated cost of Rs.100.00 lakhs with financial assistance of Defence Research and Development Organisation, New Delhi.
5. Ramanujan Gallery on Mathematics will be set up at an estimated cost of Rs.40.00 lakhs at Periyar Science and Technology Centre, Chennai.
6. Developing Mobile Bus exclusively on Mathematical concepts for the benefit of the rural students and also to remove the fear on the mathematical concepts at a cost of Rs.30.00 lakhs.

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7. TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

7.1 Tamilnadu State Council for Science and Technology was constituted in 1984 as an autonomous body. It is "to be the apex body to look after research and development in different scientific disciplines". During the last 25 years the Council has implemented Science and Technology schemes to fulfill the development needs of Tamilnadu. During 2010-2011, the Council will implement schemes with financial assistance from the Government of Tamilnadu and also with grants-in-aid from the Scientific Departments of the Government of India.

Activities/Schemes of the State Council for Science and Technology

Science and Technology Projects

7.2 Under this scheme projects in major areas of research in sectors such as Agriculture, Environmental Sciences, Physical Sciences, Biological Sciences, Veterinary Sciences, Medical Sciences, Social Sciences & Engineering and Technology etc will be undertaken to contribute to the development of our state. The financial assistance is provided to scientists and researchers for carrying out R&D work having social relevance and usefulness to our State. During 2009-2010, about 7 research projects were supported with a budget of Rs.15.00 lakhs.

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Student Projects Scheme

7.3 This scheme is aimed at utilizing the tremendous student talent for the development of Science and Technology. Final year students of UG/PG courses in Engineering/ Medicine/ Agriculture/ Veterinary Sciences and P.G. Students of Sciences are provided with a maximum grant of Rs.10000/- for carrying out socially relevant projects under their curriculum. During the year 2009-2010, about 156 student projects were supported with a budget of Rs.11.50 lakhs and nearly 600 students were benefited.

Partial Assistance for Seminar/ Symposium/ Workshop

7.4 The aim of this scheme is to foster exchange of scientific knowledge and also facilitate interaction between various groups of people such as teachers, scientists, industrialists, research scholars and others. Under this scheme partial financial assistance is provided to the organisations within the State of Tamilnadu, who organize such seminars/ symposia/ workshops. During 2009-2010, about 28 organizations have been supported with a total outlay of Rs.2.80 lakhs.

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Travel Grant for Young Scientists

7.5 Under this scheme young scientists and researchers below 40 years of age and working in organisations (University/ College/ Research Centre) located within the State of Tamilnadu are provided with 50% of air fare in case of international conferences and 100% train fare (First class) in case of national conferences to participate in such scientific conferences and present their research findings. During 2009-2010, 12 scientists have been supported with a total outlay of Rs.2.50 lakhs under this scheme.

Young Scientists Fellowship Scheme

7.6 The aim of this scheme is to encourage young scientists and researchers below 35 years of age to acquaint themselves with latest techniques in research and development in science. They are provided with a fellowship of Rs.3000/- p.m. for a period of 2 to 6 months in addition to their regular salaries by their parent institutions. Selected Scientists can undergo training/learn sophisticated instrumentation techniques or modern research methodologies or do collaborative research work with senior scientists in any of the Research Centers/ Universities within India. During 2009-2010, 10 scientists have been supported.

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Tamilnadu Scientists Award (TANSA)

7.7 The objective of this scheme is to encourage and honour scientists and researchers who have made significant contribution in their fields of specialization through their skill/pioneering or outstanding applied research work and any other activities leading to science and technology development in the State. Each selected scientist is awarded a sum of Rs.10,000/- in cash and a citation. Awards are given in different disciplines such as (i) Agriculture (ii) Biology (iii) Chemistry (iv) Engineering and Technology (v) Environment (vi) Medicine (vii) Mathematics (viii) Physics (ix) Social Sciences (x) Veterinary Sciences, etc. During 2009-2010, ten scientists have been awarded TANSA.

Popularisation of Science and Technology

7.8 The objective of this scheme, is to popularize Science and Technology among school children, farmers and public. Under this scheme financial support is provided to Universities, Colleges and Voluntary Organisations to conduct Science Exhibitions, Teacher Training Programmes, Popular Lectures, Video/Slide Shows, Quiz Competitions etc. on various aspects of Science and Technology. During the year 2009-2010, 75 organizations were supported with a total budget of Rs.8.50 lakhs to conduct various programmes and about two lakhs of students, researchers and public were benefited.

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Young Student Scientist Programme

7.9 The objective of this scheme, is to expose talented young students of our State studying in IX std., to science and technology so that they take up science and technology as their career in future. Selected students from various districts through an entrance test are given this exposure in a reputed college/ university with facilities and resource persons for one month i.e during May. During 2009-2010, training to students in 10 districts was given.

Technology Innovation and Dissemination

7.10 Large number of research projects are carried out in our state. These work lead to beneficial technology and scientific activities. It takes some time for the results of these research to reach the beneficiaries. It is necessary to identify methods to promote these new technologies to reach the beneficiaries at the earliest. During the year 2009-2010, 14 programmes were conducted with an outlay of Rs.5.00 lakhs benefiting 400 people.

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Quality Improvement of Science Education in Rural Schools

7.11 The objective of the programme is to improve the quality of science education, particularly for the benefit of rural school children. It is proposed to conduct "In service Training programme" for five days in the Arts and Science Colleges having well equipped laboratories, for the Science Teachers who are handling the science subjects of VI, VII and VIII standards. During the year 2009-2010, 10 training programmes were conducted in 10 Districts.

Creation of Scientific Awareness

7.12 The objective of the programme is to create a scientific awareness among the rural school students, rural farmers and self help groups. The outcome of the research work carried out at the laboratories of the colleges, universities and research Institutions will be transferred to the needy people for their upliftment of economic status. The programmes will be conducted in the form of Special Lectures, Exhibitions, Awareness programmes and Training programmes with the help of Academic Institutions. During the year 2009-2010, this programme was conducted in 10 Districts. It is planned to conduct this programme, in another 10 districts during the year 2010-2011.

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**Activities/Schemes to be undertaken
during 2010 – 2011**

**Science & Technology Techniques Demonstration
for Natural Resources use for Community
Development**

7.13 The objective of this programme is to transfer scientific and technological knowledge to rural communities to ensure that they conserve natural resources and improve their quality. Rural growth has to concentrate on preserving and conserving the natural resources locally available. The farming community have to adopt scientifically proven technologies for improving the natural resources. Educational institutions in rural areas will be encouraged to adopt villages in their locations. Under the extension programmes and NSS activities, the students will demonstrate the techniques to the target population. Resource persons will educate college students on various rural development techniques. In turn the students will educate the target population. Under this programme, 5 Educational institutions will be selected. The total cost during 2010-2011 is Rs.5.00 lakhs.

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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 both to 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 and Technology among the masses. This unique agglomeration consists of several Ph.D., holders, research scholars and more than 1500 research projects in the fields of science and technology. Science City is implementing various programmes connected with the development of Science and Technology.

8.2 The primary goals of Science City include Promotion of Science and Technology components involving existing and new institutions, Promoting technology transfer component involving industrial houses and venture capital agencies, Promoting the global technology monitoring and forecasting and establishing a fully equipped resource center for the benefit of member institutes.

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Activities of Science City

8.3 The activities of Science City include Popularization of Science programmes such as Popular Lectures, Meet the Scientist programme, Conferences / Seminars, Science Exhibitions, honouring young scientists with Children's Science Academy Awards, Science Camps, Science Festival, Awareness Campaigns in Frontier Technologies, Science and Technology programmes for the differently abled and the economically challenged students, environment related programmes like harnessing wealth from waste, etc. Since inception, 396 students with a rural background were awarded the Children's Science Academy Awards.

8.4 Science City has also instituted Lifetime Achievement award for women and Tamil Nadu young women scientist awards. Since inception, 37 Women scientists have been awarded the Tamilnadu Young Women Scientists Awards and 16 Women have been awarded Life -time Achievement Awards.

Achievements

8.5 For the benefit of students of Corporation Schools, 12 programmes were organised during the year 2008 – 2009. 5 programmes were organised for the benefit of the Corporation and Government school students during the year 2009–2010. More than 1100 students were benefited from these programmes.

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8.6 Science City is organizing awareness campaigns for a period of 4 days each on Frontier Technologies such as Stem Cell Technology, Nanotechnology and Information & Communication Technology. 75 students are participating in each awareness campaign. Students were exposed to lectures by eminent scientists on the various aspects of Nanotechnology, Information & Communication Technology and Stem Cell research and were also taken to various laboratories for the first hand information on the research and developments happening in these laboratories.

8.7 Science City is organizing programmes in Science and Technology for the benefit of the different categories of differently abled students such as visually challenged, speech and hearing impaired and slow learners. During the year 2008-2009, four Workshops on Science and Technology for different sections of differently abled students was organised at the cost of Rs.2.00 lakhs. In that workshops, more than 300 differently abled students from schools in and around Chennai participated. During the year 2009-2010, 7 programmes were organised.

Chennai Science Festival-2010

8.8 Science City is organizing the Chennai Science Festival usually in the month of February every year. During the Chennai Science Festival a mega science exhibition, popular lectures, panel discussions and scientific entertainment were conducted. During the year 2009-2010, this festival was conducted at the Periyar Science and Technology Center Campus from

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3.2.2010 to 7.2.2010 on the theme “Science in Everyday Life” with emphasis on 3 broad themes viz., Energy, Food & Health and Climate Change & Biodiversity. 128 exhibit stalls were erected and apart from the three sub themes general science was also included. 34500 students and general public visited and benefited from the Chennai Science Festival.

Activities/Schemes to be undertaken during 2010 – 2011

Workshops in Emerging Areas of Science and Technology

8.9 It is proposed to organize workshops in emerging areas of Science and Technology such as, Biotechnology, Information & Communication Technology, Tissue Culture, Virology, Nanotechnology and Nuclear Technology for the benefit of post graduate students at a cost of Rs.12.00 Lakhs.

Hot Spots in Science

8.10 It is proposed to impart training in the hot spots areas such as Global warming, Disaster mitigation, Astronomy, Bio diversity, Advanced Instrumentation to school teachers at the cost of Rs.3.00 Lakhs.

Chennai Science Festival-2011

8.11 Chennai Science Festival 2011 will be held in the month of February 2011 at a cost of Rs.30.00 Lakhs

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9. TAMIL NADU ARCHIVES

9.1 Started in 1909 in the Grassmere Garden, Egmore, as a separate establishment, the Tamil Nadu Archives and Historical Research Department has seen a century. When inaugurated, its name was 'Madras Record Office' and consequent on the naming of Madras State into Tamil Nadu, the Madras Record Office also became 'Tamil Nadu Archives' and later 'Tamil Nadu Archives and Historical Research'

9.2 The Tamil Nadu Archives is a custodian and repository of Government Records. The earliest records preserved belong to the year 1657. When the Government needs records as back papers and precedents for planning, introducing reforms, drafting Bills and for routine administration, they are supplied. Since 1930, researchers from universities and colleges both native and foreign have visited Tamil Nadu Archives for their research. Many authors and historians have published their 'magnum opus' referring archival sources. The Tamil Nadu Council of Historical Research with the Hon'ble Minister for Higher Education as the Chairman, has been promoting historical research. Tamil Nadu Archives has District Record Centres in Coimbatore, Salem, Madurai, Cuddalore, Tiruchirapalli and Thanjavur.

9.3 The Tamil Nadu Archives Library housing rare books is a rich treasure trove to the scholars. The Tamil Nadu Archives publishes District Gazetteers, Select Document Series etc.

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9.4 Under 12th Finance Commission grant-in-aid for heritage conservation, various renovation and restoration projects are being under taken in Tamil Nadu Archives. Like wise under Part II and Central financial Assistance Schemes Tamil Nadu Archives and District Record Centres are being progressively modernized and computerized. District Gazetteers for Thoothukudi and Kanyakumari were released. The draft of the Erode District Gazetteer has been finalized.

9.5 During the year 2009-2010, centenary celebrations was held in the month of October 2009 with the following events :-

- a) Quiz programme on Archives and History on 14.10.2009.
- b) Endowment Lecture on Archives and South Indian History on 16.10.2009.
- c) Launching of Web of Tamil Nadu Archives on 27.10.2009 (www.tnarchives.tn.gov.in)
- d) Centenary celebration on 29.10.2009 with the release of Commemoration Souvenir; and list of exhibits inauguration of Exhibition and opening of additional floors in the Tamil Nadu Archives Library.

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10. TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION

10.1 The Tamil Nadu State Council for Higher Education (TANSCHÉ) was established by an Act in the year 1992 for the promotion and coordination of Higher Education at the State level and coordination of the State level programmes with those of the University Grants commission.

Advisory Board of Vice-Chancellors

10.2 On the recommendation of State Council for Higher Education, the Government constituted the Advisory Board of Vice Chancellors. Through this Advisory Board, the Council is in constant contact with all the Vice-Chancellors to ascertain their views and recommendations related to higher education.

Functions of the Council

10.3 To advise the Government or any University/College or institution of Higher Education on any matter relating to Higher Education and research which they may refer to the Council; to forward the developmental programmes of Universities, Colleges and Institutions of higher education to the University Grants Commission along with its comments and recommendations and monitor the progress of

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implementation of such developmental programme; to promote co-operation and co-ordination of institutions of higher education among themselves and explore the scope of interaction with industry and other related establishments; to suggest ways and means for augmenting additional resources for higher education in the State; to encourage and promote innovations in curriculum development, restructuring and updating of syllabi in Universities and autonomous colleges and suggest necessary reforms; to assist the University Grants Commission in respect of determination and maintenance of standards and suggest remedial action wherever necessary; and to promote and co-ordinate programmes of Universities and Colleges, set up a monitoring system and monitor its implementation are the important functions of the Council.

Achievements

10.4 The following are the important achievements of the Council :-

- Workshop on Model Curriculum in Under Graduate Courses,
- Training was given to 2500 new recruited teachers of Government Arts and Science colleges in three phases.
- The Choice Based Credit System has been introduced and implemented in Arts and Science Colleges/ universities from the year 2008-2009.

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- The Council has brought out publication of 2 Journals: 1) Journal of Modern Sciences 2) Journal of Humanities and Social Sciences which were released by Hon'ble Chief Minister Dr.Kalaignar on 8th July 2009 and the first copies were received by Hon'ble Deputy Chief Minister
- Scheme of Tamil Text Book Preparation for Under Graduate courses in various subjects was carried out with the funding from the Ministry of Human Resource Development, New Delhi and 16 books were prepared in Tamil for various subjects and were released by Hon'ble Chief Minister Dr.Kalaignar.
- The Council is at present engaged in the preparation of Tamil Text Books in various 11 subjects for Post Graduate courses with the financial assistance of the Ministry of Human Resource Development, New Delhi to the tune of Rs.90 Lakhs.
- Scheme of preparation of bilingual Glossaries in various subjects
- For the conduct of seminar/ workshop in Universities / Colleges, Tamil Nadu State Council for Higher Education has distributed Rs.22,95,000/- towards the partial financial assistance during the year 2008-2009.

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- Under the training programme to Professors in Colleges due for promotion as Principals, a total of 37 Professors were selected and given training for 3 days at Anna Institute of Management, Chennai.
- The schemes of funding of 'Students' Mini Project' was introduced for the projects prepared by the students of Government Arts and Science Colleges at Under Graduate and Post Graduate level. Under the scheme, financial assistance of Rs.5000/- to UG projects and Rs.10000/- to the PG projects was given to 10 projects during the year 2008-2009 and a total number of 43 projects were selected (20 UG and 23 PG) during the year 2009-2010.
- A Workshop on Article Writing ./ Project proposal writing was conducted for Government College teachers.
- A seminar on 'Basic science' was conducted for the +1 students of Government and Corporation schools in Chennai.

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11. TAMIL NADU STATE URDU ACADEMY

11.1 The Tamil Nadu State Urdu Academy was inaugurated on 21.7.2000.

11.2 The following are important achievements of the Tamil Nadu State Urdu Academy :-

1. The Academy co-sponsored an All India Mushaira conducted by National Chamber of Commerce.
2. Two day Urdu Seminar and Mushaira conducted.
3. A public function presided over by Hon'ble Minister for Higher Education was conducted at Kalaivanar Arangam. During this function, Academy gave "Dr. Abdul Huq Award" of Literary Excellence to six poets with cash award of Rs.25,000/- each.

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4. Academy gave merit award and cash prizes to state rank holders in Urdu language.
5. The Tamil Nadu State Urdu Academy Screening Committee selected 15 authors / poets for a cash award of Rs.15,000/- each for the publication of their books and for "Dr.Abdul Huq Award" with a cash prize of Rs.30,000/- to two eminent Urdu journalists / literary personalities.
6. The Academy also prepared a list of Urdu students (rank holders) for the grant of merit and cash award in a function to be held.

**Activities / Schemes proposed to be undertaken
during the year 2010-2011 :-**

11.3 The following are the Activities / Schemes proposed to be undertaken during the year 2010-2011 :-

1. Tamil Nadu State Urdu Academy proposed to grant award of merit cash prizes and scholarships to meritorious Urdu students.

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2. Grant of financial assistance to Urdu coaching centres.
3. Conducting a local Mushaira, thereby helping the poets who nurture Urdu language by their poetry.

**“கல்லூரிகளிலும், கலாசாலைகளிலும் பயில்கின்ற
மாணவர்கள் நாற்றங்காலிலே இருக்கின்ற பயிர்கள்!”**

– டாக்டர் கலைஞர் மு.கருணாநிதி

Dr. K. Ponmudy
Minister for Higher Education

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COLLEGIATE EDUCATION

Annexure- 1

Number of colleges in the State 2009-2010

Type of Colleges	Government Colleges	Management		Total
		Aided Colleges	Self Financing (Unaided)	
Arts and Science Colleges	62	133	383	578
Physical Education	-	3	7	10
Oriental	-	10	-	10
School of Social Work	-	2	-	2
College of Education	7	14	624	645
University Constituent Colleges	9	-	-	9
Total	78	162	1014	1254

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Annexure- 2

ARTS AND SCIENCE COLLEGES

Number of Students Admitted during 2009-2010

Type of College	Sanctioned Strength					Admitted Strength				
	UG	PG	M.Phil	B,Ed	Total	UG	PG	M.Phil	B,Ed	Total
Govt. Colleges	46386	4423	563	1119	52491	46196	4367	495	1117	52175
University Constituent Colleges	3563	259	--	--	3822	3520	246	--	--	3766
Aided Colleges	97652	19487	2532	1791	121462	80427	16980	2490	1791	101688
Self-financing Colleges	108637	25179	1143	65526	200485	87186	14511	1105	58051	160853
Total	256238	49348	4238	68436	378260	217329	36104	4090	60959	318482

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TECHNICAL EDUCATION

Annexure – 3

Details of number of Polytechnic Colleges , sanctioned strength and students admitted in Polytechnic Colleges during the academic year 2009-2010

Category	No. of Institutions	Sanctioned Intake	Admitted	OC		BC (Others)		BC (Muslim)		MBC		SC		SC (A)		ST		TOTAL	
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Govt.	22	6090	5792	121	68	1491	1050	154	76	943	550	713	368	113	70	52	23	3587	2205
Govt. Aided	34	13658	12025	326	84	4768	1070	589	58	2556	436	1568	275	193	24	63	15	10063	1962
Affiliated	3	215	146	0	0	44	1	7	0	47	0	43	0	4	0	0	0	145	1
Self Financing	307	112443	85582	6837	626	35297	2679	3744	126	23376	1301	10284	696	341	34	226	15	80105	5477
Total	366	132406	103545	7284	778	41600	4800	4494	260	26922	2287	12608	1339	651	128	341	53	93900	9645

‘எண்ணிக்கையை அதிகரிப்போம்’

‘நரத்தினை உயர்த்துவோம்’

Annexure - 4

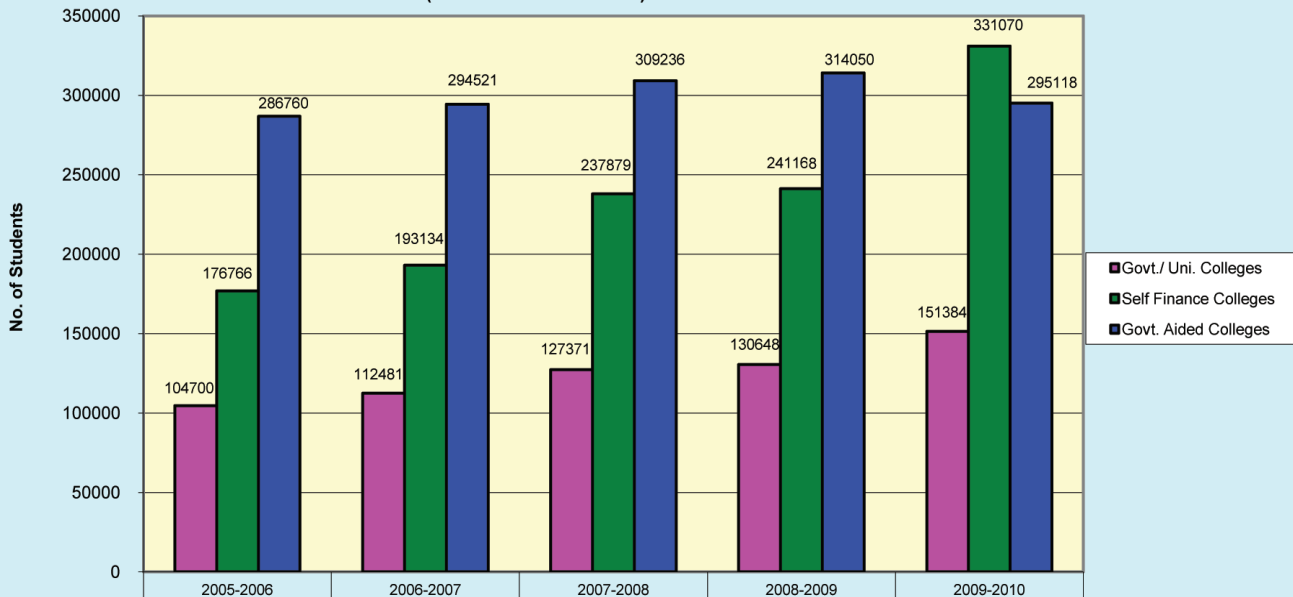
Details of number of Engineering Colleges , sanctioned strength and students admitted in Engineering colleges during the academic year 2009-2010

Category	No. of Institutions	Sanctioned Intake	Admitted	OC		BC (Others)		BC (Muslim)		MBC		SC		SC (A)		ST		TOTAL	
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
Govt.	6	2560	2492	133	61	772	452	60	35	337	193	218	132	45	31	15	8	1580	912
Govt. Aided	3	2465	2394	278	135	729	440	49	22	268	139	167	103	29	18	8	9	1528	866
Self Financing	431	161515	109632	13423	5949	32549	19816	3243	1047	15411	7044	6856	3197	648	261	134	54	72264	37368
ANNA UNIVERSITY (CONSTITUENT COLLEGES)																			
A.U. Chen	7	2785	2641	527	348	423	274	60	27	320	197	222	142	54	23	19	5	1625	1016
A.U. Trichy	7	2640	2448	38	28	665	570	63	34	350	237	218	148	47	23	22	5	1403	1045
A.U. T.veli	2	480	467	8	14	106	131	11	8	53	45	41	31	9	5	2	3	230	237
Total	456	172445	120074	14407	6535	35244	21683	3486	1173	16739	7855	7722	3753	832	361	200	84	78630	41444

‘எண்ணிக்கையை அதிகரிப்போம்’

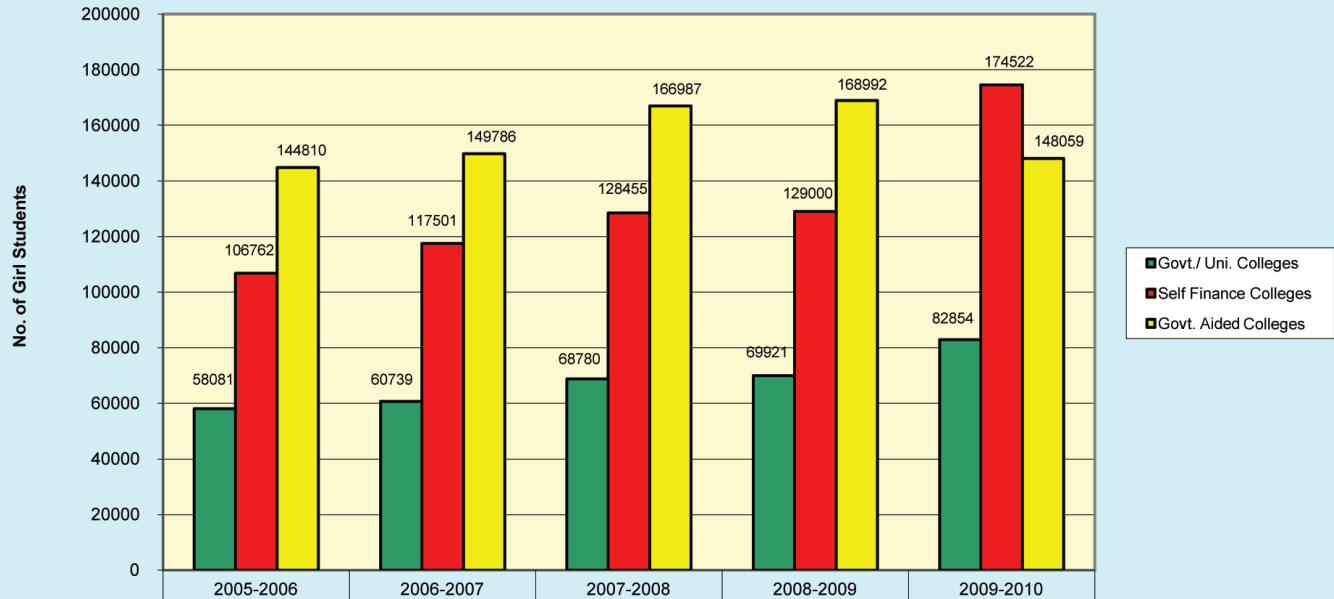
‘நரத்தினை உயர்த்துவோம்’

CHART - I
NUMBER OF STUDENTS IN ARTS & SCIENCE AND B.Ed. COLLEGES IN TAMILNADU
(ALL THE THREE YEARS)



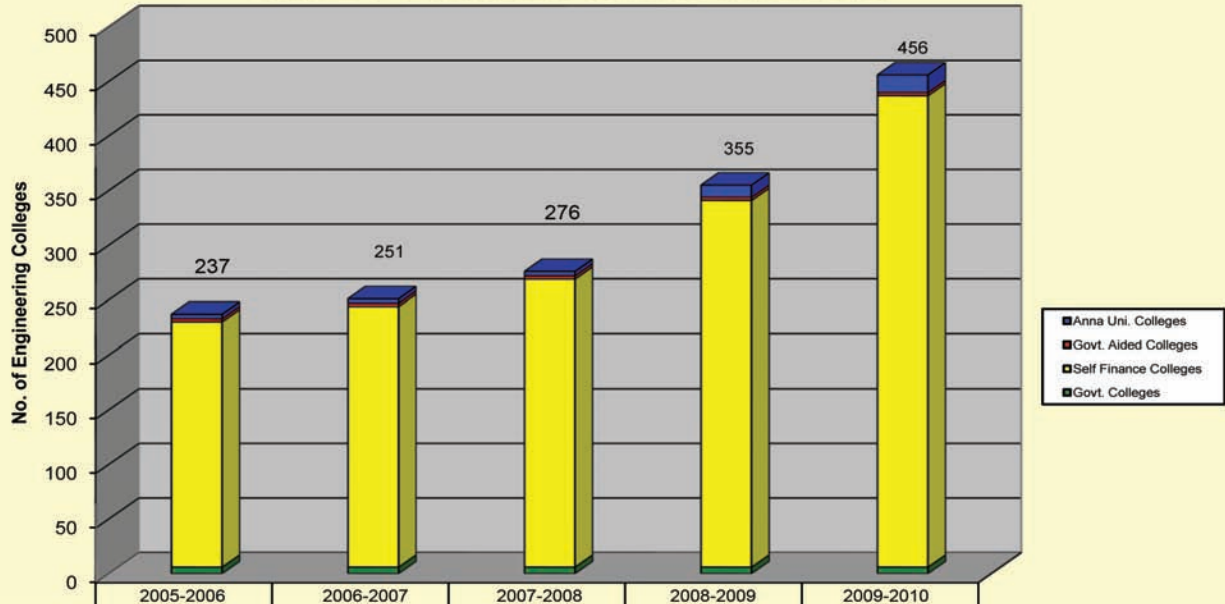
Govt./ Uni. Colleges	104700	112481	127371	130648	151384
Self Finance Colleges	176766	193134	237879	241168	331070
Govt. Aided Colleges	286760	294521	309236	314050	295118

CHART - II
NUMBER OF GIRL STUDENTS IN ARTS & SCIENCE AND B.Ed. COLLEGES IN TAMILNADU
(ALL THE THREE YEARS)



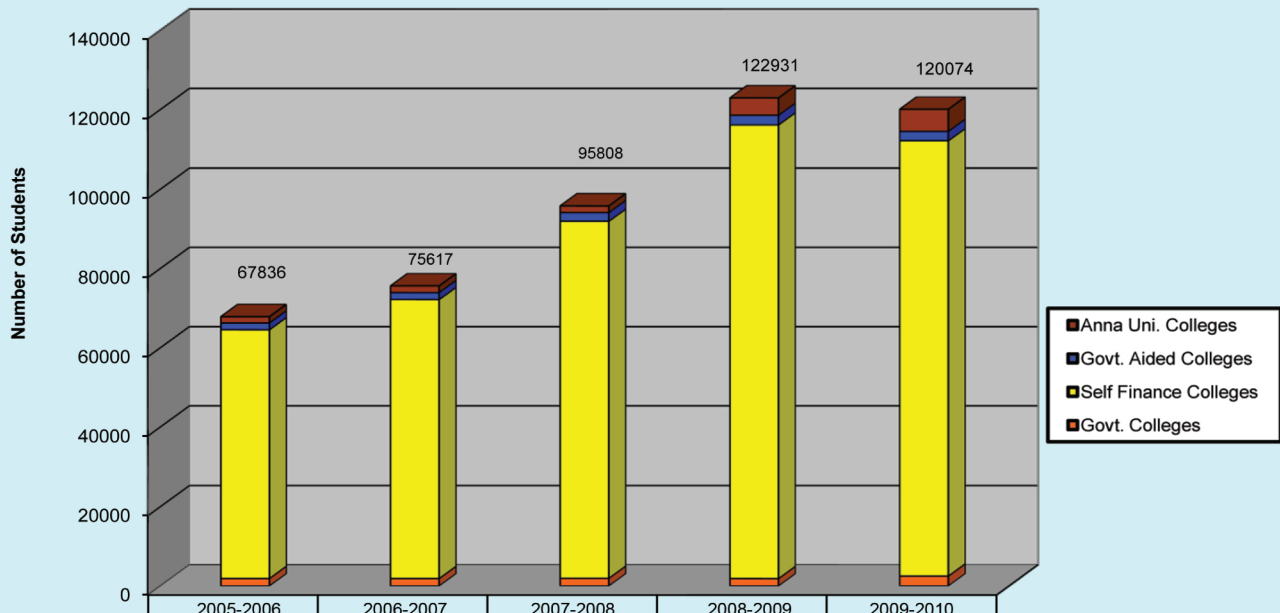
Govt./ Uni. Colleges	58081	60739	68780	69921	82854
Self Finance Colleges	106762	117501	128455	129000	174522
Govt. Aided Colleges	144810	149786	166987	168992	148059

**CHART - III
NUMBER OF ENGINEERING COLLEGES IN TAMILNADU**



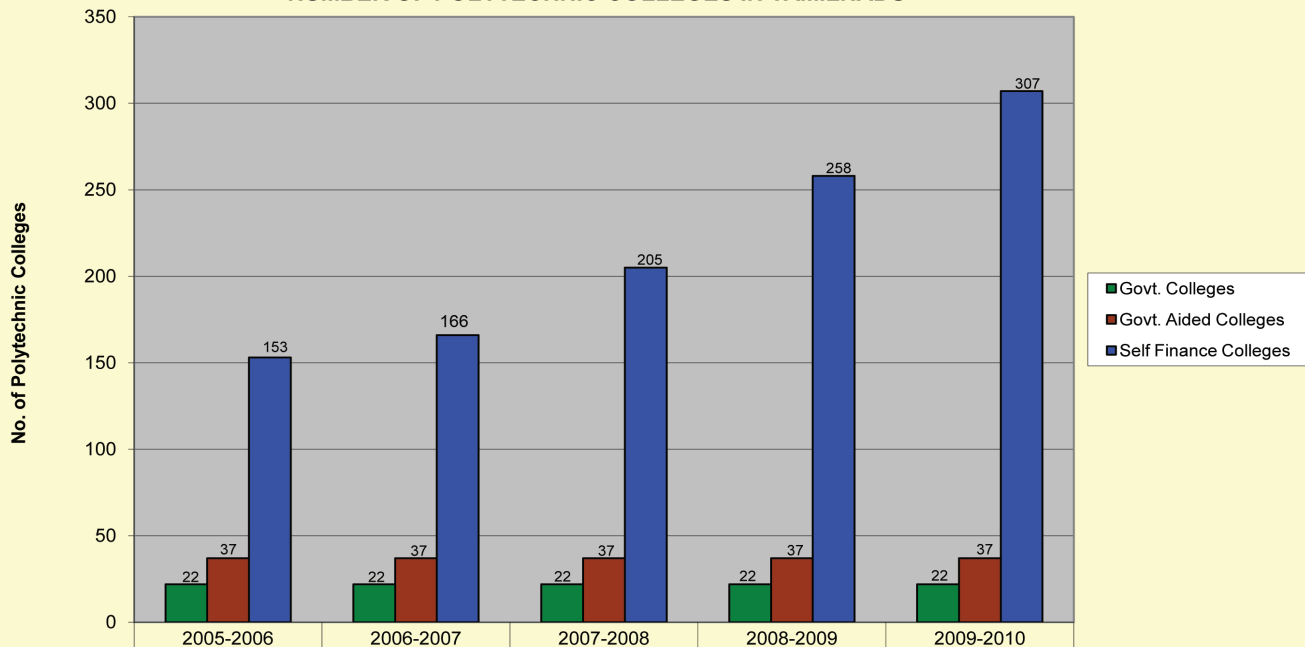
Anna Uni. Colleges	4	4	4	11	16
Govt. Aided Colleges	3	3	3	3	3
Self Finance Colleges	224	238	263	335	431
Govt. Colleges	6	6	6	6	6

**CHART - IV
ENROLMENT IN ENGINEERING COLLEGES IN TAMILNADU**



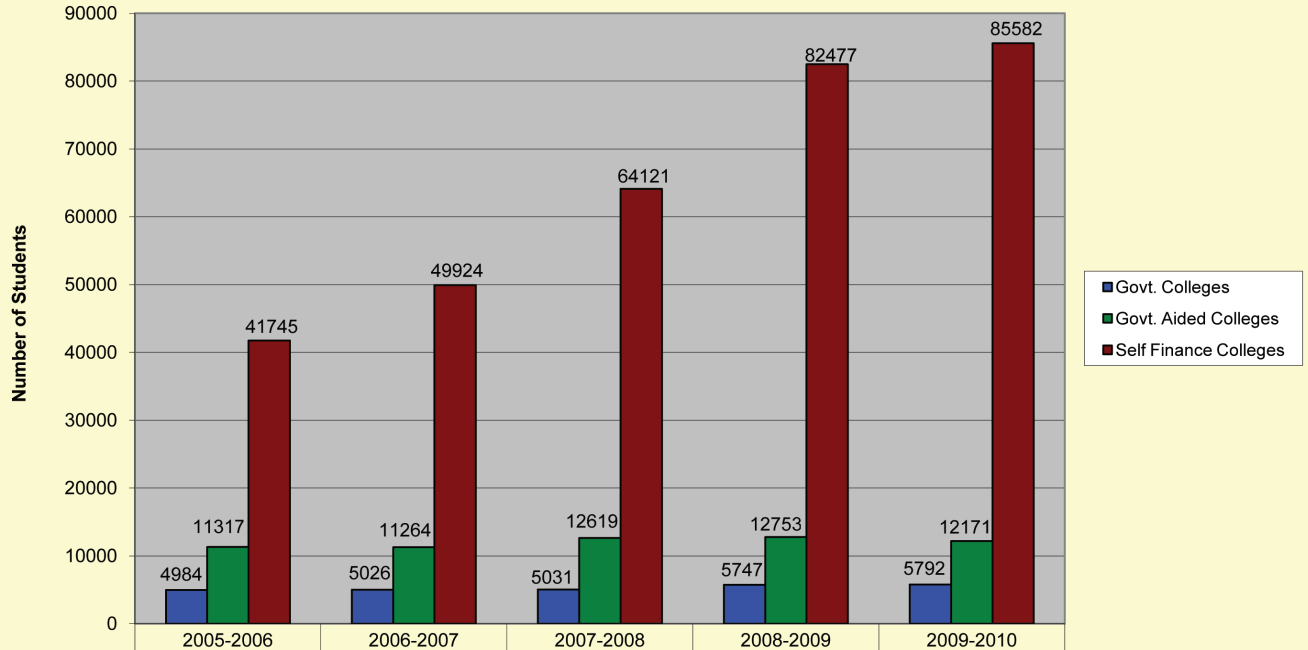
	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
■ Anna Uni. Colleges	1575	1664	1681	4366	5556
■ Govt. Aided Colleges	1728	1788	2209	2429	2394
■ Self Finance Colleges	62648	70291	89985	114270	109632
■ Govt. Colleges	1885	1874	1933	1866	2492

CHART - V
NUMBER OF POLYTECHNIC COLLEGES IN TAMILNADU



Govt. Colleges	22	22	22	22	22
Govt. Aided Colleges	37	37	37	37	37
Self Finance Colleges	153	166	205	258	307

CHART - VI
ENROLMENT IN POLYTECHNIC COLLEGES IN TAMILNADU



Govt. Colleges	4984	5026	5031	5747	5792
Govt. Aided Colleges	11317	11264	12619	12753	12171
Self Finance Colleges	41745	49924	64121	82477	85582