

Higher Education Department

Policy Note for the year 2008-2009

Demand No.20 – Higher Education

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INTRODUCTION

Economic development of a nation mainly depends on the quality of human resource. The Government of Tamil Nadu strives to produce high quality human resource while ensuring that the poorest of the poor gets access to higher education. Based on this, this Government has formulated various schemes in order to give quality higher education to all and due to the implementation of such schemes, Tamil Nadu has become a forerunner in the field of higher education at the National level. The schemes were formulated in consultation with Vice-Chancellors, Principals, Representatives of Teachers and Students, Press, Educationists and other stake holders.

1.2 Expanding the access to higher education and ensuring the quality of higher education are the aims of this Government. In order to achieve these aims, the following effective steps have been taken :-

- (i) Two new Arts and Science colleges at Surandai and Kulithalai were established during 2007-2008 in addition to the four colleges started during the year 2006-2007.
- (ii) As promised in the Budget for 2007-2008, payment of tuition fees for UG course in Government and Government aided colleges is waived.
- (iii) As announced in the floor of Assembly, women students from poor families whose parents' annual income is less than Rs.50,000/- are provided free education for continuing PG courses in Government and Government Aided Arts and Science Colleges under EVR Nagammai Scheme from the academic year 2007-2008.
- (iv) As stated in the Policy Note for 2007-2008, shift system has been introduced in all Government Arts and Science colleges from the academic year 2007-2008. Owing to the introduction of shift system the intake in 1st year UG course has increased.
- (v) As announced in the Budget of 2007-2008 with a view to improve the quality of technical education in southern districts a new Technical University in the name of Perarignar Anna has been established at Tirunelveli.

Due to these steps, the number of students in Arts and Science Colleges have gone up to 6,74,486 in 2007-2008 from 5,68,226 in 2005-2006. Likewise in Technical Education the number of students in Engineering Colleges have gone up to 94,127 during the year 2007-2008 from 66,261 during the year 2005-2006.

1.3 In order to provide quality higher education, this Government has taken the following steps :

- (i) Qualified teachers have been appointed in Government 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) Accreditation of colleges by National Assessment and Accreditation Council (NAAC) is made mandatory. To accredit the institutions and to ensure the quality, State Level Accreditation Council has been formed under the Chairmanship of a former Vice-Chancellor. This is the first of its kind in India.

1.4 Community Colleges play an important role in providing employment oriented education to persons who were unable to continue school education due to poverty and other reasons and also to get the opportunity of studying UG courses. Madurai-Kamaraj University, Manonmaniam Sundaranar University, Bharathiyar University, Bharathidasan University, Tamil Nadu Open University have been encouraging NGOs to establish Community Colleges. More than 10,000 students undergo "Learn for Livelihood" programme offered by Tamil Nadu Open University through Community Colleges and 85% of them get employment immediately after completing the course. In order to extend Government's support to them, the students of community colleges which conduct Government approved courses through Tamil Nadu Open University will be given scholarship of Rs.1000/- per annum.

A sum of Rs.1.00 crore is provided for this scheme. 10,000 students will be benefited by this scheme.

1.5 In order to improve the employability of the students, the Universities under the aegis of Higher Education Department have started job oriented programmes in specialized areas like shipping and Logistic management, hospital administration, counselling and psychotherapy etc.

1.6 It was brought to the notice of the Government that students suffer academic mobility due to different syllabi, delay in declaration of results and issuance of mark sheets by the Universities. In order to overcome these problems, it is under the consideration of Government to introduce a uniform calendar across all institutions and Universities of Higher Education for conducting examination and declaring results in a time bound manner.

1.7 It has been brought out in a Confederation of Indian Industries survey, that around 70% students in Humanities and Science subjects remain unemployed for more than three years after completion of their studies. The Government has therefore formulated a scheme viz. 'Job oriented Add on' course by which the students pursuing courses in Arts and Science colleges across the State can join a certificate programme in Polytechnic Colleges / ITI which will enhance their employment prospects. From the academic year 2008-2009, this scheme will be introduced in Government Arts and Science Colleges. Based on the experience, this will be extended to Aided and Self-financing colleges in future.

1.8 As stated in the last year Policy Note, the Government has constituted a Committee of experts headed by Dr.S.P.Thiyagarajan, former Vice Chancellor, to suggest the measures for overhauling the present system of evaluation, teaching and learning in the State. The committee has since submitted the report and it is under the active consideration of the Government.

1.9 In the last year Policy Note, it has been stated that Cluster Colleges and Choice Based Credit System will be introduced in Arts and Science Colleges. Accordingly for establishing Cluster Colleges and introduction of Choice based Credit System in Arts and Science Colleges for bringing about Academic Co-operation among the member colleges and to enhance the Quality of Education imparted in those Institutions, the Government formed a small committee with three Vice Chancellors to go into the details and the committee has submitted its report. The Choice Based Credit System will be made compulsory in all Colleges / Universities from the academic year 2008-2009. The Cluster College System will be implemented on pilot basis in Chennai, Coimbatore, Tiruchirappalli and Madurai.

1.10 Government considered the free distribution of television should not be merely a source of entertainment but must also be a medium of empowerment. As announced in the Budget, the Government have therefore proposed to telecast several educational programmes meant for the improvement of skills like Spoken English, Yoga, guidance for students in Soft Skills, General Knowledge for competitive exams, etc. These

programmes will be conducted through the Tamil Nadu Open University at a cost of Rs.3.00 crores.

1.11 Adequate Toilet facilities are not available in Government Arts and Science Colleges. By providing adequate Toilet facilities, the hygienic conditions in Government colleges can be maintained well. Hence, during the year 2008-2009, Toilet facilities will be provided in all Government colleges at the cost of Rs.7.52 crores.

FINANCIAL OUTLAY

Under Demand No.20 - Higher Education, the total outlay is **Rs.1253.99** Crores, of which **Rs.114.38** Crores are for Plan Schemes and **Rs.1139.61** Crores are for Non- Plan schemes.

BUDGET ESTIMATE 2008 – 2009

HEAD OF ACCOUNT (1)		PLAN (2)	NON-PLAN (3)	TOTAL (4)
(Rupees in lakhs)				
2059	Public Works Maintenance and Repairs	--	2170.35	2170.35
2202 03	General Education University and Higher Education	1911.27	90384.69	92295.96
2203	Technical Education	1492.61	20544.09	22036.70
2204	Sports and Youth Services	1228.84	--	1228.84
2205 104	Arts and Culture Archives	296.36	477.97	774.33
2235	Social Security and Welfare	--	29.96	29.96
2251	Secretariat – Social Services	--	313.57	313.57
3425	Other Scientific Research	374.74	--	374.74
3454 110	Census Surveys and Statistics Gazetteer and Statistical Memoirs	--	39.90	39.90
4202	Capital outlay on Education, Sports, Arts and Culture	6134.66	0.01	6134.67
Total		11438.48	113960.54	125399.02

PART-II SCHEMES FOR THE YEAR 2008-2009

(Rs. in lakhs)

SI No.	Description of the scheme	Ultimate Cost	Cost in 2008-2009
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Collegiate Education

1	Construction of 20 additional class rooms in 10 Government Colleges.	150.00	60.00
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2	Construction of additional Laboratories in 5 needy Government Colleges	100.00	40.00
3	Provision of Audio Visual teaching facility in 25 needy Government Colleges	50.00	50.00
4	Purchase of Computers and Accessories for improving infrastructure facilities in five Government Colleges	88.00	88.00
5	Construction of Compound Walls in three Government Arts Colleges	5.00	5.00
6	Construction of Foot Bridge for reaching the Government Arts College, Kumbakonam	28.66	28.66

Technical Education

7	Providing additional facilities for the Library at Government College of Engineering, Salem.	87.50	87.50
8	Construction of additional physics lab at Government Polytechnic College, Aranthangi	14.00	14.00
9	Construction of Drawing hall at Government Polytechnic College, Thoothukudi	25.00	10.00
10	Construction of Girls and boys rest room with toilet facility at Government Polytechnic College, Trichy	10.00	10.00
11	Construction of Toilet Block for Ladies in CSE lab block at Government Polytechnic College, Krishnagiri	5.00	5.00
12	Extension of Library Building in Tamil Nadu Polytechnic College, Madurai	42.00	17.00
13	Construction of first floor over the existing girls hostel at Government Polytechnic College, Trichy	40.00	16.00
14	Construction of an additional dining hall in the hostel at Government Polytechnic College	15.00	15.00

for women, Madurai

15	Construction of Dining hall for ladies hostel at Thanthai Periyar Government Institute of Technology, Vellore	22.00	9.00
16	Construction of a new block at Government College of Engineering, Bargur.	50.00	20.00

Tamil Nadu Archives

17	Purchasing Personal Computers & accessories for Desk Top Publishing System and purchase of Computers with accessories for Administrative Section and Stacks.	4.84	4.84
18	Upgradation of Technical Strength for the Development of Archives.	1.50	1.50

Tamil Nadu Science and Technology Centre

19	Provision of three Portable Planetariums.	15.00	15.00
20	Provision of mirror dome and Plasma Screen in B.M. Birla Planetarium, Chennai.	20.00	20.00
21	Provision of 3D Theatre in Anna Science Centre and Planetarium at Tiruchirappalli.	15.00	15.00

Tamil Nadu State Council for Science and Technology

22	Dissemination of Innovative Technologies.	5.00	5.00
23	Quality improvement of Science Education in Rural Schools.	8.00	8.00

Science City

24	Science events for the Physically Challenged.	2.00	2.00
25	Conducting workshop on Science Communication.	8.00	8.00
26	Conducting Chennai Science Festival-2009.	30.00	30.00

27	Upgrading of Infrastructure facilities at New building in Science City.	8.50	8.50
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Total	850.00	593.00
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2. COLLEGIATE EDUCATION

2.1 The Directorate of Collegiate Education was formed in the year 1965 with a view to administer exclusively the Collegiate Education by bifurcating the erstwhile Directorate of Public Instruction into Directorate of School Education and Directorate of Collegiate Education.

2.2 13 Universities are getting their Grants from Government of Tamil Nadu through the Directorate of Collegiate Education. Presently a total number of 860 Colleges are functioning under the administrative control of the Directorate of Collegiate Education.

IMPORTANT ACHIEVEMENTS

New Appointments

2.3 914 Lecturers have been appointed through Teachers Recruitment Board in the existing vacancies in Government Colleges. Steps are taken to appoint 1062 more Lecturers through Teachers Recruitment Board. Permission has been accorded to fill up 2600 vacant posts of Lecturers in Government Aided Colleges.

Shift system in Government Colleges

2.4 Shift system was introduced in Under Graduate courses in Government Colleges during the year 2006-2007. In the first phase, this shift system was introduced in 10 colleges. During 2007-2008, this has been extended to all the remaining Government Colleges. By this, the enrollment of students have increased considerably.

Construction of Additional Class Rooms in the Government Colleges

2.5 During 2007-2008, a sum of Rs.27.10 Crores has been sanctioned for the construction of 542 additional class rooms in Government colleges and the works are nearing completion.

Free Education

2.6 Government have waived the payment of tuition fees for all the students studying Under Graduate courses in Government and Government Aided Arts and Science Colleges from the academic year 2007-2008 which has very much reduced the burden of the parents. Under this scheme, 3,74,254 students have been benefited.

Periyar EVR Nagammai Free Education Scheme

2.7 Periyar EVR Nagammai Free Education scheme to women students who are pursuing degree course in Government and Government Aided Colleges is implemented since 1989-1990. Free education scheme is introduced to all students studying UG courses in Government and Government Aided Colleges. In order to give fillip to the girls students belonging to poor families to pursue Post Graduate courses in Government and Government Aided Colleges, the Periyar E.V.R.Nagammai Scheme was extended to the PG women students from this academic year 2007-2008. In order to provide the above benefits to more women students, the parental Annual income limit had been enhanced from Rs.24,000 to Rs.50,000 from academic year 2007-2008. During 2007-2008, a sum of

Rs.65.00 lakhs has been allocated for implementing the above scheme and a total of 1204 students were benefited.

ACTIVITIES / SCHEMES UNDERTAKEN DURING 2007-2008

National Service Scheme (N.S.S)

2.8 NSS is implemented by providing grant in the ratio of 7:5 by the Government of India and Government of Tamil Nadu respectively. During the year 2007-08, 3.36 lakhs student volunteers have been serving under this Scheme and a sum of Rs.766.57 lakhs have been provided for this scheme. Out of this, Government of India's share is Rs.447.17 lakhs and Government of Tamil Nadu's share is Rs.319.40 lakhs. A sum of Rs.677.81 lakhs has been received as first and second instalment of both Centre and State share and the same has been utilised in full.

Empowerment of Women

2.9 Free coaching is given exclusively for women students for appearing in IAS / IPS Examination. Two centres - one at Queen Mary's College, Chennai and the other at Arulmigu Meenakshi Government College for Women, Madurai, 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. During the current financial year, the Government have provided a sum of Rs.10.00 lakhs for implementing this scheme.

Stipend for Tamil medium students

2.10 In order to encourage the students studying in Tamil medium a scheme of giving Tamil Medium stipend was introduced during the year 1971-1972. Under this scheme, a sum of Rs.400/- per annum is given as stipend to each student studying through Tamil Medium.

Special Coaching to SC/ST and MBC Students

2.11 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 on weekends. They will be able to compete with other students and will also take up University examinations with confidence when they complete these remedial courses in the respective subjects.

Tamil Nadu Agricultural Labourers-Farmers (Social Security and Welfare) Scheme, 2006

2.12 Tamil Nadu Agricultural Labourers –Farmers (Social Security and Welfare) Scheme has been implemented 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.

2.13 To improve the Educational status of the children of Agricultural Labourers and Farmers, Government have provided Rs.12.00 crores. During the year 2007-2008, 8329 students were benefited under this scheme. The quantum of assistance under this scheme is given below:-

		Day scholar	Hostler
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Sl No	Details of course	Day scholar		Hostler	
		Boys	Girls	Boys	Girls
1.	UG Degree course (per year)	1750	2250	2000	2300
2.	PG Degree course (per year)	2250	2750	3250	3750

Setting up of (Electronic) Digital Libraries in five Government Colleges

2.14 Digital Libraries with Internet facilities were established in 13 Government Arts and Science Colleges upto 2006-2007 and in 5 Government Arts and Science Colleges during the year 2007-2008.

Free Bus Pass to the College Students

2.15 The Government have ordered the issue of Free Bus Pass to the Government College students from the academic year 2007-2008. 78,840 students were benefited under this scheme.

Admissions through Counselling

2.16 Government have introduced counselling by single window system for B.Ed., admission in all Colleges of Education during the year 2007-2008. By this single window counselling system, the admissions into B.Ed., courses were made in a transparent manner so that the meritorious students were benefited. Single window system through counselling is also introduced for admissions in Government Arts and Science Colleges from the academic year 2007-2008. Students and parents have welcomed this system.

2.17 Other Schemes Implemented during the year 2007-08.

1. 30 Computers have been purchased at a cost of Rs.10.50 lakhs for Presidency College, Chennai.5.
2. Audio Visual facilities have been established at 10 Government Arts Colleges at a cost of Rs.15.00 lakhs.
3. A sum of Rs.2.50 Crores have been sanctioned for the construction of "Dr. Kalaignar Block" in Queen Mary's College, Chennai.
4. A sum of Rs.50.00 lakhs have been sanctioned for carrying out renovation works in 3 Government Women Colleges of Bharathi Women's College, Queen Mary's College and Quaid-e-Milleth College, Chennai and the works are nearing completion.

5. To help the students to improve their communication skills and thereby enhancing their employment opportunities in the job market, the Government of Tamil Nadu have signed a Memorandum of Understanding with British Council to offer Business English Certificate course (BEC) in Arts and Science Colleges. Further in the first phase, 9 Lecturers of English department in the Government colleges have been trained. In turn the trained teachers will teach the above course to the students.
6. A sum of Rs.3.34 crores has been sanctioned for setting up of Language Labs in 60 Government Arts and Science Colleges to train the students in soft skills including communication skills and Rs.73.15 lakhs for upgradation of Language Labs in 22 Government Polytechnics.

3. TECHNICAL EDUCATION

3.1 The Directorate of Technical Education was established in 1957 with the objective of bringing the coordinated development of Technical Education in the State of Tamil Nadu. The Government of Tamil Nadu has taken effort to formulate new policies and promote technical education both in Degree and Diploma level. Owing to this, at present, there are 6 Government Engineering Colleges, 3 Government Aided Engineering Colleges, 4 Constituent Colleges of Anna University, Chennai and 263 Self-financing Colleges. Besides this, there are 22 Government Polytechnic Colleges, 37 Government Aided Polytechnic Colleges and 205 Self-financing Polytechnic Colleges functioning in Tamil Nadu.

IMPORTANT ACHIEVEMENTS

Action taken to prevent collection of Excess Tuition Fee by the Self Financing Engineering Colleges

3.2 The Government of Tamil Nadu have authorized four officers of the Directorate of Technical Education to carry out the purposes specified under sub section (1) of section 9 of the Tamil Nadu Educational Institutions (Prohibition of Collection of Capitation Fee) Act, 1992. On receipt of complaints on excess collection of tuition fees / capitation fees the authorized officers will inspect and verify the records and other related documents. By this the Government has taken steps to prevent the collection of excess tuition fee / capitation fee.

Free Textbooks to Government Polytechnic College Students

3.3 As per the announcement made in the floor of the Assembly during Higher Education Department Demand 2007-2008, the Government of Tamil Nadu provided free Textbooks to 5,060 students pursuing first year Diploma programme in Government Polytechnic Colleges.

Free Bus Pass to Government Polytechnic College Students

3.4 As announced in the floor of the Assembly during the demand for Higher Education Department 2007-2008, the Government of Tamil Nadu provided free Bus Passes for 9,159 students studying in Government Polytechnic Colleges.

ACTIVITIES/ SCHEMES UNDERTAKEN DURING 2007-2008

Introduction of Lateral Entry Scheme in Engineering Admission for B.Sc Graduate Students

3.5 As per the guidelines published by the All India Council for Technical Education, the Government of Tamil Nadu introduced the scheme of admitting B.Sc graduates in the direct second year Engineering degree course under lateral entry scheme with an intake of 1% of the total 10% lateral entry intake.

Increase in Reservation of seats for Higher Secondary Course (Vocational) candidates in Engineering Admissions.

3.6 To cater to the demands of Higher Secondary Vocational students, who have applied more in number for admission to Engineering Degree courses, the Government of Tamil Nadu increased the intake from the fixed number of 700 seats to 4% of the total Government Quota Seats in Self Financing Engineering Colleges.

Technical Education Quality Improvement Programme (TEQIP)

3.7 To improve the Technical and Engineering Education system in our country and to produce high quality Technical professionals in order to raise productivity and competitiveness, the TEQIP Scheme is introduced in our country. The Total Life Time Allocation for our State is Rs.94.16 crores and this is distributed to 11 TEQIP Institutions (5 Government Engineering Colleges, 3 Government Polytechnic Colleges and 3 Anna University constituent Engineering Colleges). By utilising this allocation, activities relating to Civil works, Equipments, Furniture, Books & Learning Resources, Consultants service and research studies, Training/Study Tours / Fellowships (Local and Foreign) workshops, Consumables, Operation and Maintenance, Networking of Institutions, Service to Community and Economy are carried out in the above mentioned institutions.

Recruitment of Faculty in Government Engineering Colleges and Polytechnic Colleges

3.8 193 Lecturers were recruited through Teachers Recruitment Board (TRB), in Government Engineering Colleges and Polytechnic Colleges during the academic year 2006-2007. Again during 2007-2008, 67 vacancies of Lecturers in Government Engineering Colleges and Government Polytechnic Colleges have been filled up through the Teachers Recruitment Board (TRB).

Establishment of new Government Engineering Colleges

3.9 The Hon'ble Chief Minister of Tamil Nadu announced that new Government Engineering Colleges would be established. It is therefore proposed to start new Engineering Colleges at Villupuram, Panruti, Tindivanam, Nagapattinam and Ramanathapuram from the academic year 2008-2009. The above colleges will be established by Anna Universities.

4. UNIVERSITY EDUCATION

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

Technical Universities

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

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 2(f) and 12(b) by UGC from the very inception of University Grants Commission (UGC) in 1956. The University has at present six campuses all of which are within the Chennai Metropolitan area. They are 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. It has encouraged the colleges with the required academic and infrastructure strength to seek autonomous status and even aspire

for the status of college with potential for excellence. There are 178 colleges affiliated to University of Madras and 23 are autonomous colleges.

4.4 There are 66 teaching and research Departments in the University of Madras which are grouped under 17 Schools.

4.5 ACHIEVEMENTS OF THE UNIVERSITY OF MADRAS DURING THE YEAR 2007-2008

1. Conservation of the Senate House
2. Introduction of soft Skills Course
3. Establishment of 11 Centres of Excellence with the support of Central and State Governments.
4. Collaboration with Academia, Industries and Corporate Sectors in India and abroad through UICIC and ICOM
5. Digital library Initiatives in all the campus libraries
6. Establishment of e-Governance

MADURAI KAMARAJ UNIVERSITY

4.6 Madurai Kamaraj University, established in 1966, has 73 Departments clustered into 18 Schools. The University has 133 affiliated Colleges. Extension activities are carried out through Department of Youth Welfare, NSS, SC/ST cell and Adult Education programmes. The Directorate of Distance Education of the University has a student strength of about 1.30 lakhs. The Directorate has 28 information centres, 16 admission centres in Tamil Nadu and 59 study centres in other states and 7 study centres in abroad.

4.7 The vision of the University envisages the mobilization of resources to cope with the reduction in public funding and to enhance the infrastructure to global standards. The University departments are giving active support to the colleges permitted by the UGC to receive direct funding from agencies such as CSIR, DST and the ICAR. Towards this direction, the Madurai Kamaraj University has taken measures to initiate affiliated college teachers to apply and undertake research projects.

4.8 The University Grants Commission has released Rs.112.42 lakhs under XI Plan Development Grant towards General Development Assistance to the University.

4.9 University plans to provide Personality Development and Spoken English courses for the University and affiliated college students to enhance employment opportunities.

4.10 To be globally competitive, the University strives to promote creation and effective use of multimedia to supplement class room and laboratory teaching.

4.11 It is proposed to establish a Planetarium and Science Centre in the University. This will provide a scope to expand its "Outreach Activities".

BHARATHIAR UNIVERSITY

4.12 Bharathiar University at Coimbatore was established by the Government of Tamil Nadu in February, 1982 with jurisdiction over the Districts of Coimbatore, Erode and The Nilgiris. In May 1985 the University was recognised by the University Grants Commission (UGC). The University is accredited with "A" Grade by NAAC.

4.13 Bharathiar University started functioning with nine academic departments inherited from the Autonomous Postgraduate Centre of the University of Madras in Coimbatore. Over the years with 30 Departments under 12 Schools the University is functioning to provide new opportunities in the field of higher education for the youth of the nation and the state of Tamil Nadu.

4.14 There were 33 colleges in 1982-83 affiliated to Bharathiar University in the Districts of Coimbatore, Erode, and The Nilgiris. In 2001-2002 the University had 109 affiliated colleges which is more than three fold increase. In 2007-08, the university has 143 affiliated Colleges in addition to 18 Research Institutions. There are totally 122 study centres and 94 new courses in the School of Distance Education during the academic year 2007-2008.

4.15 In order to increase the placement opportunities among the final year UG and PG students in the affiliated colleges, the University has proposed to establish Finishing schools in Coimbatore, Erode and Ooty. In these Schools , students will be oriented towards sector specific and tool specific skills for a month. Also they will be given coaching in mathematical skills, logical reason , mental application and basic English. After coaching IT, ITeS, Private banks, E-tutoring and Insurance companies will be invited to recruit the students. It is proposed to train large number of students in these schemes.

BHARATHIDASAN UNIVERSITY

4.16 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.

4.17 The University has introduced 22 PG programmes, 3 UG programmes, 20 PG Diploma programmes, 5 Diploma courses and 3 Certificate programmes which are new innovative job oriented programmes. The above new programmes are offered with Choice Based Credit System (CBCS) which provides adequate flexibility to the students in their choice of curriculum.

4.18 Bharathidasan University is introducing the revised Choice Based Credit System (CBCS) including soft skill / job Oriented courses for the UG and PG programmes

offered in the University departments and the colleges affiliated to the University from the academic year 2008-2009 onwards.

ALAGAPPA UNIVERSITY

4.19 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.

4.20 All Arts and Science Colleges located in the Districts of Ramanathapuram and Sivagangai District including seven Government Colleges, three Self Financing Arts & Science Colleges and seven Self Financing Colleges of Education have been affiliated to this University. M.Sc. Microbiology, M.Sc. Botany and Certificate / Diploma in Gandhian Thought are the new programmes introduced in the affiliated colleges from the academic year 2006–2007.

4.21 With 26 Departments / Centres, the University is offering courses in varied areas like Biotechnology, Physics, Industrial Chemistry, Mathematics, Computer Science and Engineering, Business Administration, Bank Management, International Business and Commerce, Corporate Secretaryship, Tamil, Women's Studies, Education, Physical Education and Health Sciences, Oceanography and Coastal Area Studies and English and Foreign Languages at Post Graduate, M.Phil. & Ph.D. levels to meet the demands of the society.

4.22 Three new departments viz. Bio Electronics and Bio Sensors and Bio Informatics are to be started from the academic year 2008 – 2009. New Centres namely Animal Health and Management and Nano Science and Technology are also to be started to offer two new courses viz. (i) Nano Science and Technology and (ii) Animal Health and Management.

MOTHER TERESA WOMEN'S UNIVERSITY

4.23 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 purposes of providing consultancy and monitoring services for the Welfare Schemes for Women. The motto of the University is "Towards Equal Status" to be achieved through equal participation of men and women in all areas of life. The women Colleges situated in Dindigul and Theni Districts have become the affiliated colleges of Mother Teresa Women's University.

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

4.25 Mother Teresa Women's University is the only University focusing on Women's Studies through its different curricula, syllabi and research and extension activities and courses offered at various levels – Ph.D/ M.Phil/ M.A, M.Sc., MCA and M.Ed. and Bachelor Degree including Education. Researches are conducted leading to M.Phil and Ph.D Degrees through Part-Time/Full-Time and JRF. Till date 150 Ph.D's and 1,456 M.Phils are awarded. Research subjects include Female Infanticide, Head loaders, Stone breakers, Sex bias in textbook. Women and Economy, Value Education, Nanotechnology and Biotechnology.

MANONMANIAM SUNDARANAR UNIVERSITY

4.26 Manonmaniam Sundaranar University was established in 1990. The University is located at Abishekapatti, Tirunelveli with three satellite campuses at Palayamkottai, Alwarkurichi and Rajakkamangalam. The University caters to the long-felt educational needs of the three southern districts of Tamil Nadu viz., Tirunelveli, Thoothukudi and Kanniyakumari. It also extends educational service through Distance Education mode.

4.27 The University has 24 academic departments and a network of 110 colleges. In addition, it has one recognized research center, 38 Community colleges and 83 Extension Learning Programmes (ELP). Apart from P.G. and Research programs, the diploma and certificate courses are also offered through the colleges. The University offers over 39 UG Courses, 30 P.G. Courses, over 79 Certificate and Diploma Courses and 16 M.Phil Courses, 108 Ph.D. Programmes.

4.28 During this academic year 2007-08, a series of workshops was conducted to restructure the curriculum of all UG and PG courses. Accordingly the University has restructured the curriculum/syllabus of all UG and PG courses of the affiliated colleges with the latest norms of the UGC and the new syllabus came into effect from this academic year 2007-08 onwards.

4.29 To encourage the Research Scholars in their work, the University provides stipend 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.

4.30 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 4 centers functioning at Nagampatti, Sankarankovil, Puliyangudi and Cheranmahadevi.

PERIYAR UNIVERSITY

4.31 Periyar University was established in the year 1997 at Salem. It has twelve teaching and research departments. Tamil, Commerce, Mathematics, Physics, Chemistry, Computer Science, Biochemistry, Economics, Education, Food Science, Management Studies and Geology are the twelve departments.

4.32 For the benefit of the students, Periyar University is providing career guidance and Counselling and placement to the students from the Academic Year 2004-2005.

4.33 In order to empower the students with skills, Skill Development courses have been introduced from the academic year 2002-2003 onwards. These courses aim at the improvement of poor and rural students who cannot afford to study in the regular colleges. They are given one year skill development diploma courses.

THIRUVALLUVAR UNIVERSITY

4.34 Thiruvalluvar University was established in the year 2002 at Vellore. The Academic and administrative buildings for the University are housed in four blocks in the Fort Campus, Vellore, belonging to the Department of Archaeological Survey of India. The Department of Applied Chemistry is housed in the Government College of Education

building. Government sanctioned a sum of Rs.16.70 crores for the construction of own building to Thiruvalluvar University in 112.68 acres in Serkadu and Vinnampalli Villages in Katpadi Taluk, Vellore District. The Hon'ble Chief Minister Dr.Kalaingar has laid foundation stone on 16.02.2008 for the University buildings.

4.35 Regular admissions are done for M.Sc., M.Phil. and Ph.D courses in Zoology and M.Phil and Ph.D courses in Economics. A Research Project on "Silver nanoparticles – potential applications in sericulture", funded by the Department of Science and Technology (DST), Government of India has been implemented in the Department of Zoology at the cost of Rs.13.55 lakhs.

4.36 The University was started with 52 approved/affiliated colleges falling within its jurisdiction which extends to the Districts of Vellore, Thiruvannamalai, Villupuram and Cuddalore. The University has now 125 affiliated Colleges. Out of 125 affiliated colleges, 64 are Arts and Science Colleges, 58 are B.Ed. Colleges and 3 are Oriental Colleges.

TAMIL NADU OPEN UNIVERSITY

4.37 The Tamil Nadu Open University was established in 2002, with the objective of introducing and promoting Open and Distance Education System in the educational scenario of 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.

4.38 The University has established Nine Schools of Study, viz. Management, Humanities, Education, Science, Continuing Education, Social Sciences, Computer Science, Health Sciences and Tamil & Cultural Studies.

4.39 Mandated to provide cost-effective socially relevant distance education to the hitherto unreached, Tamil Nadu Open University launched 14 programmes in the year of its inception, 2003-2004 itself and enrolled around 14000 students. In four years, the total number of programmes on offer has been increased to 76 and the student strength has crossed one lakh. The conventional BA., B.Sc., B.Com., B.Ed., BCA, BBA and MA., M.Sc., M.Com., MCA, MBA programmes are offered.

4.40 With a view to provide a blended Learning Environment by supplementing the print material in self instructional mode, employing professional agencies, the University has developed multimedia e-content in CD format with Audio, Visuals and Animation wherever necessary for the 34 courses. These CD based learning materials have been so designed as to enable the students to go through interactive sessions with provision for self assessment in stages.

4.41 Activities/Schemes proposed to be undertaken during 2008-2009.

- Establishment of Learning Centres abroad
- Foster the growth of Community Colleges in accordance with the Government initiative to bring them all under the TNOU and facilitate the vertical mobility of the students successfully completing their courses of study in Community Colleges.
- Production of E-learning materials by the Electronic Media Production and Research Centre of TNOU.

- Networking of 12 Regional Co-ordinating Centres at important cities across the State of Tamil Nadu.
- Hands on training to the members of the faculty & course writers on E-content development.
- Creation of an IP based Radio-broadcast facility at the Head quarters.

ANNAMALAI UNIVERSITY

4.42 Annamalai University was established in 1929 as a Unitary residential centre of higher learning. The University has now 48 departments on a sprawling campus of about 1000 acres. About 21,000 students are studying in 204 On-campus Programmes.

4.43 The University has introduced Computer Studies in the syllabi of almost all the programmes offered by the Departments and has provided Internet facilities to all the Faculties, thereby creating a greater awareness of Information Technology among the students. The National Assessment and Accreditation Council has accredited this University with B++ Status.

4.44 Annamalai University has offered a new Post Graduate Programme M.E. Disaster Management and Engineering from the academic year 2007-2008 for the first time in India with the financial assistance from University Grants Commission.

4.45 Research is an essential component of Higher Education. Special mention should be made about the Centre of Advanced Study in Marine Biology, where research is carried out on various aspects of marine sciences especially along the East Coast of India including the Andaman and Nicobar Islands with the financial assistance from the department of Ocean Development, Ministry of Environment and Forests, University Grants Commission etc. Its pioneering research contributions to the preservations of mangrove forests, Bio-diversity, pollution control have been greatly acknowledged by Scientists world over and has also been identified by the United Nations University to train the scientists/ environmentalists in the Asian Continent at Parangipettai.

TAMIL NADU PHYSICAL EDUCATION AND SPORTS UNIVERSITY

4.46 Tamil Nadu Physical Education and Sports University was established on 15.9.2005. At present, the University is temporarily functioning at E.V.K. Sampath Maaligai, College Road, Chennai-6.

Choice Base Credit System and Uniform Syllabus

4.47 The University has 11 departments and 11 affiliated colleges offering U.G., P.G., and P.G., Diploma Programme. Uniform syllabus and Choice based Credit System are adopted in the above said departments and colleges for the various courses.

The First Convocation

4.48 The First Convocation of the University was held on 17.03.2008. Wherein 522 Graduates were conferred with Degree and 9 students were awarded with Diploma.

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 has world-wide recognition in the field of Engineering, Technology and Applied Sciences.

5.2 The Government of Tamil Nadu, during December 2001, has upgraded the University from unitary type to affiliating type of University by affiliating all the Engineering Colleges in the State of Tamil Nadu. Since 1st February, 2007 only the colleges situated in the districts of Chennai, Thiruvallur, Vellore, Kanchipuram, Thiruvannamalai and Villupuram in Tamil Nadu State have been affiliated to Anna University, Chennai.

Development of the University from its inception

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, the number of new courses was introduced taking into account the emerging area in technology development. At present, the University is conducting 44 UG programmes (Full Time and Part Time), 99 PG programmes (Full Time and Part Time), 5 M.Phil. programmes and Ph.D. programmes in all the Engineering, Technology and Applied Sciences.

5.4 In tune with the growing global demand for extending conventional university instructional mode to online self learning distance education, Anna University, Chennai has created Centre for Distance Education during the year 2007. The Centre currently offers MBA, MCA and M.Sc. programmes through distance mode.

5.5 Anna University, Chennai has established a placement and training cell. The University is making all steps in getting placement not only to the students of its campus but also to the students of all affiliated colleges in the State.

IMPORTANT ACHIEVEMENTS

5.6 Anna University, Chennai has been awarded Five-Star Status by National Assessment and Accreditation Council.

5.7 Anna University, Chennai has been awarded "Island of Excellence" by UGC to create a University Centre with potential for Excellence in Environmental Sciences.

5.8 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. It will also be used by Tamil Nadu Government to issue alerts during floods or fire. Recently, ISRO Satellite Centre, Bangalore has sanctioned Rs.50.00 lakhs towards the completion of ANUSAT Project to Centre for Aerospace Research, Madras Institute of Technology (MIT).

5.9 A Research Centre for Nano Sciences and Technology has been established by the University. The Government of Tamil Nadu has provided Rs.50.00 lakhs as seed money to establish clean room facility for developing semi-conductor devices.

5.10 Anna University, Chennai conducted a series of "Training the Trainer" Programmes in collaboration with ELCOT and software companies such as Infosys, Wipro, CTS and Scope International under the scheme of "Enhancing the Employability of Students" from the Affiliated Colleges of Anna University Chennai. The objective of this programme was to train teachers to impart communication and soft skills to students more effectively. More than 250 teachers were benefited from this programme.

ACTIVITIES / SCHEMES PROPOSED TO BE UNDERTAKEN DURING 2008-2009

5.11 Anna University, Chennai has proposed to establish a state-of-the-art building in the proposed ICT Park in Anna University Chennai, Guindy Campus. For this, Centre for Development of Advanced Computing (C-DAC), Chennai has agreed for providing infrastructure for its R&D training research centre.

5.12 The University has proposed to introduce the New Courses of B.E. Bio-medical Engineering, M.Tech. Food Technology and M.Tech. Nano Technology during the Academic year 2008-2009.

ANNA UNIVERSITY, TIRUCHIRAPPALLI

5.13 Anna University, Tiruchirappalli was established as per Tamil Nadu Act 41 of 2006 and came into force from 01.02.2007 and is now functioning at Bharathidasan Institute of Technology Campus. The Bharathidasan Institute of Technology is transferred to Anna University Tiruchirappalli along with land, buildings, infrastructure facilities, staff and students. The University has 51 Engineering colleges under its control spread over Tiruchirappalli, Theni, Thanjavur, Sivagangai, Tiruvarur, Ramnathapuram, Pudukkottai, Nagapattinam, Dindigul, Cuddalore, Perambalur, Ariyalur districts of Tamil Nadu. It includes one Government Engineering college, one constituent college, Central Electrochemical Research Institute (CECRI) located at Karaikudi and 48 self financing colleges.

5.14 Envisaging quality education through hard work, right tools and technologies, Imparting world class education for rural poor students and pave the way for alleviating their poverty, improving the qualifications of the professionals working in nearby Factories/Industrial Institutions, Elevating the qualification and standard of living of teachers in the Polytechnic Colleges by updating the knowledge with cutting edge technologies and latest trends, Creating a conducive atmosphere for research and development by instituting a Research Foundation. Getting placements for students from the MNCs and Big Giants, Having tie-up with corporate and foreign Universities for exchanging and disseminating current knowledge and Making efforts for the betterment and benefits of students, staff

members in the neighbouring Institutions for their personal and professional growth are the important objectives of this University.

5.15 The University has taken the lead in offering a unique programme at PG level (M.E. Pervasive Computing Technologies) from the year 2007-2008.

5.16 The semester pattern has been introduced for the first year of Engineering courses from the academic year 2007-2008. It is attempted to make the students entering into Colleges from schools understand the minute intricacies in engineering theory and practices in an efficient and in-depth manner. At the same time it would reduce the accumulation of portions at the end of year.

SCHEMES PROPOSED TO BE UNDERTAKEN DURING 2008-2009

5.17 The University is planning to implement e-Learning methodologies that would facilitate video-screening of expert lectures from the University to wide audiences in 48 affiliated colleges with the existing 2 MBPS bandwidth connectivity.

5.18 It is planned to admit candidates (teachers working in technical institutions with sufficient experience) in PG level programmes and Research through QIP scheme. This scheme will definitely improve the standards of higher education in technical institutions.

5.19 Contemplating on **Finishing School**, to make the students job-ready, proposals are ahead for the conduct of 'Induction Programme' where industries would provide funds to train the placed students.

ANNA UNIVERSITY, COIMBATORE

5.20 The Anna University, Coimbatore has been established as per Tamil Nadu Act No.42 of 2006 and came into force from 01.02.2007. The University area comprises of the eight districts viz. Coimbatore, Erode, Karur, The Nilgiris, Dharmapuri, Krishnagiri, Namakkal and Salem. At present, 3 Government Engineering Colleges, 2 Government Aided Engineering Colleges and 74 self-financing engineering colleges are affiliated to Anna University, Coimbatore.

ACTIVITIES / SCHEMES UNDERTAKEN DURING 2007-2008

Curriculum

5.21 The University is framing the syllabus in consultation with the industry for all UG and PG courses. In order to meet the requirement, the University has created 14 Faculties and separate boards for UG, PG and Research. It is decided to have about 50% of the members from the Industry on the Boards.

Drawing through AUTOCAD

5.22 The University has decided to eliminate the concept of having bigger drawing halls instead more thrust will be given to use CAD facilities, which will help the institutions to save space and students will be exposed to the advanced technologies in engineering drawings. Accordingly, from this current academic year onwards, students in all the affiliated colleges of Anna University, Coimbatore will be trained using CAD for the Engineering Graphics practical subject in the II Semester. Faculties handling the above subject in all the colleges are given training to use CAD.

SAP Business One Software Training Centre

5.23 Considering the huge job potential in SAP Software, Anna University, Coimbatore has entered into a MoU with M/s.Infospectrum India Pvt. Ltd., Chennai who are authorized business partners for SAP, to establish a SAP Training Centre for the first time in Tamil Nadu which will offer SAP Business One Software training for the students of Anna University, Coimbatore at concessional rates.

ANNA UNIVERSITY, TIRUNELVELI

5.24 The Anna University, Tirunelveli has been established as per Tamil Nadu Act No.28/2007 and came into force from 17.9.2007. The existing Engineering Colleges and also the Engineering Colleges which may be established in future, in the University area comprising of the five districts of Tirunelveli, Kanniyakumari, Thoothukudi, Virudhunagar and Madurai are affiliated to Anna University, Tirunelveli. At present one Government Engineering College, one Government Aided Engineering College and 41 Self Financing Engineering Colleges are affiliated to Anna University, Tirunelveli. The University is temporarily functioning in the building of Government College of Engineering, Tirunelveli. Anna University, Tirunelveli has proposed to establish University Departments in the field of Engineering and Technology under 9 U.G. programmes and 8 P.G. programmes. This University is implementing e-Governance in administration and functioning of the University.

6. TAMIL NADU SCIENCE AND TECHNOLOGY CENTRE

6.1 Tamil Nadu Science and Technology Centre established by the Government of Tamil Nadu in 1983 as an autonomous body is functioning under the Chairmanship of Hon'ble 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 Tamil Nadu Science and Technology Centre has set up a Science Centre including a planetarium in Chennai known as Periyar Science and Technology Centre. The Planetarium facility known as B.M.Birla Planetarium was dedicated to the Nation on 11.05.1988 and the Halls of Science and Technology was dedicated to the Nation on 17.09.1990. There are 700 interactive exhibits in the galleries.

6.3 The Anna Science Centre at Tiruchirappalli was dedicated to the Nation on 10.06.1999. The Centre has Planetarium, Science Park, Non-Conventional Energy Park and gallery on Environment.

ACTIVITIES / SCHEMES UNDERTAKEN DURING 2007-2008

6.4 The activities of the Science and Technology Centre include 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 your scientist' and 'meet your medical expert' programmes, short term astronomy courses, computer courses.

6.5 Sky observation camps are also conducted during special astronomical events as well as on regular basis for the public to observe the night sky through Telescopes on every second Saturdays.

6.6 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.

6.7 A Gallery on Ocean Technology has been established at Periyar Science and Technology Centre, Chennai in collaboration with the National Institute of Ocean Technology, Government of India at a cost of Rs.50.00 lakhs.

ACTIVITIES / SCHEMES PROPOSED TO BE UNDERTAKEN DURING 2008-2009

6.8 It has been proposed to establish a Regional Science Centre at Coimbatore at a cost of Rs.650.00 lakhs. The Government of India, Ministry of Culture will provide 50% of the cost.

6.9 It has been proposed to acquire three portable planetariums at a cost of Rs.15.00 lakhs for the benefit of students and common man to understand the Astronomical concepts in easier and enjoyable way.

6.10 It has been proposed to provide Mirror Dome and Plasma Screen in B.M.Birla Planetarium, Chennai at a cost of Rs.20.00 lakhs in order to enhance the quality of presentation in Sky Theatre.

6.11 It has been proposed to establish 3-D Theatre in Anna Science Centre, Tiruchirappalli at a cost of Rs.15.00 lakhs.

7. TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

7.1 The Tamil Nadu State Council for Science and Technology was established by the Government of Tamil Nadu as an autonomous organization. Its objectives include encouraging research activities particularly with social relevance among researchers and academicians; encouraging scientific and technological thinking among students and creating scientific awareness among people.

7.2 Since its establishment in 1984, the Council has implemented more than 100 research projects with social relevance and has organized popularization of science and technology programmes benefiting more than 10 lakhs of people. It has interacted with scientific departments of the Government of India and has obtained financial support for various activities.

ACTIVITIES / SCHEMES PROPOSED TO BE UNDERTAKEN DURING 2008-2009

Science And Technology Projects

7.3 Under this scheme financial assistance to the tune of Rs.2.00 to 3.50 lakhs for a period of 2 years is provided to scientists and researchers for carrying out R&D work having social relevance and usefulness to our State. 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. During the year 2008-2009 Scientists and Research Scholars working in Universities, Colleges and Research Centres in Tamil Nadu will be provided funds for projects to the tune of Rs.25.00 lakhs.

Student Projects Scheme

7.4 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.10,000/- for carrying out socially relevant projects under their curriculum. During 2008-2009, 200 Student Projects will be supported with a total budget of Rs.15.00 lakhs.

Partial Assistance For Seminar/ Symposium/ Workshop

7.5 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 Tamil Nadu, who organize such seminars/ symposia/ workshops. During the year 2008-2009, 20 seminars, symposia and conferences will be provided partial financial assistance with a total outlay of Rs.5.50 lakhs. Scientists, College teachers and Research scholars will be benefited by this scheme.

Travel Grant For Young Scientists

7.6 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 Tamil Nadu 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. Under this scheme, during 2008-09, 15 Young Scientists will be provided with travel grants with a total outlay of Rs.4.50 lakhs.

Young Scientists Fellowship Scheme

7.7 The aim of this scheme is to encourage young scientists and researchers below 35 years of age to acquaint themselves with latest techniques in science research and development. 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 2008-2009, 5 Young Scientists will be provided fellowship with a total grant of Rs.1.80 lakhs under this scheme.

Tamil Nadu Scientists Award (TANSA)

7.8 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 S&T 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 2008-2009, Rs.3.00 lakhs is provided for implementing this scheme.

Popularisation of Science and Technology

7.9 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 2008-2009, 50 educational institutions and voluntary organisations will be provided with financial assistance of Rs.10.00 lakhs to popularise science and technology among masses and students. Totally two lakh students and people will be benefited

Young Student Scientist Programme

7.10 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 2008-2009, 400 IX std. students will be trained for one month period in 5 centres covering 10 educational districts with an outlay of Rs.20.00 lakhs under this scheme.

Technology Innovation and Dissemination

7.11 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 the beneficiaries. It is necessary to identify methods to promote these

new technologies to reach the beneficiaries at the earliest. Having this as aim, through the scheme of Technology Innovation and Dissemination, innovations with potential for field applications will be disseminated by educationists and scientists through training programmes and workshops. During 2008-09 this scheme will be implemented with an allocation of Rs.5.00 lakhs

Improving the Quality of Science Education in Rural Schools

7.12 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 the Science Teachers who are handling the Science subjects from 6th to 8th standard. Tamil Nadu State Council is planning to organize the training programmes in the educationally backward districts, In each district 50 secondary grade science teachers will be selected with the help of School Education Department. The programme will be conducted for 5 days at the well established Arts and Science Colleges, hard spots in the syllabus identified by the secondary Grade teachers will be taught in the morning session in addition to practical demonstrations in the evening. During the year 2008-2009 it is planned to conduct 10 training programmes for school teachers with an allocation of Rs.8.00 lakhs.

8. SCIENCE CITY

8.1 Entire Guindy Taramani institutional belt consisting of about 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 has been declared as Science City. Promoting Science and Technology is the objective of Science City. Science City contains more than 1500 Ph.D holders and 3500 research scholars and more than 1500 research projects in the fields of Science, Engineering and Technology. There are equipment worth Rs.500 crores available for various programmes. Science City is implementing various programmes connected to the development of Science and Technology.

8.2 Promotion of Science & Technology components involving existing and new institutions, Promoting the technology transfer component involving industrial houses and venture capital agencies, Promoting the global technology monitoring and forecasting and Establishing a fully equipped Science complex (Convention Centre) for the benefit of member institutes of the Science City are the important goals of the Science City.

ACTIVITIES / SCHEMES UNDERTAKEN DURING 2007-2008

8.3 To popularise the frontier technologies among college students, Science City organised awareness campaign in genetic engineering, nanotechnology and communication technology.

8.4 Science City has conducted ten science awareness camp exclusively for the students of Corporation Schools in Chennai in order to have an insight into the world of science.

8.5 Science City conducted the Science Festival. Apart from a mega Science Exhibition, Science City has invited a brilliant set of top notch scientists to interact and give special talks and shows with the visitors of the exhibition viz., students researchers, parents and the general public.

8.6 The Popularisation of Science programme comprises of various activities such as Popular Lectures, Meet the Scientist program, Organizing Conferences / Seminars in association with member institutes organizing Science Exhibitions, Children's Science Academy Awards, Science Camps etc. Since inception, 348 students with a rural background were awarded the Children's Science Academy Awards.

8.7 Science City has embarked upon the task of creating a database of women scientists in the entire state of Tamil Nadu. In order to encourage the women scientists, Science City has instituted Lifetime Achievement award for women and Tamil Nadu Young Women Scientist Awards. Since inception, 32 women scientists have been awarded the Tamil Nadu Young Women Scientists Awards and 12 women have been awarded Life-time achievement awards.

8.8 Information on the various Higher Education Institutes like Engineering Colleges, Polytechnics, Institutes of Hotel Management and Catering Technology have been made available in the existing website www.tamiladuscientists.com. Advice and services on patenting is done through e-mail (scicity@dataone.in). Information on

worldwide funding agencies for Science Related projects, world wide research organizations, science forums, and developments of Science and Technology have also been ported to the web. The student community and the research scholars are the beneficiaries.

ACTIVITIES / SCHEMES PROPOSED TO BE UNDERTAKEN DURING 2008-2009

Science for the Physically Challenged

8.9 It has been decided to organize 4 programmes in a year for the benefit of the physically challenged students in Science and Technology. Around 100 physically challenged students from different schools in Chennai will be invited to attend each programme. The total cost of the above programmes would be Rs.2.00 lakhs.

Workshops in Science Communication

8.10 Science City proposes to conduct a four day workshop about different issues related to Science & Technology, how Science and Technology could be harnessed to solve the different complex problems in the Society. Participants will be trained on the basic skills in writing scientific stories, features, articles and Scripts for different media like the print media as well as the sophisticated electronic media. The cost involved would be Rs.8.00 lakhs.

Chennai Science Festival-2009

8.11 The Chennai Science Festival-2009 is designed to increase public awareness of science, to present scientific results in a popular and appealing way and to connect the public and science. The Science Festival will comprise scientific exhibits by 40-50 renowned organizations, the award winning exhibits from school and colleges, demonstrations by faculty, Scientific film shows, Interactive Sessions- Public with Eminent Scientists. Besides this, steps have been taken to conduct Competitions like quiz, essay, oratorical puppetry shows etc. The total cost involved would be Rs.30.00 lakhs.

9. TAMIL NADU ARCHIVES

9.1 Tamil Nadu Archives preserves records of Secretariat and other records for official reference and historical research. The Tamil Nadu Archives is a doctoral research centre in modern history affiliated to the University of Madras. The Archival library house a rare collection of 2.30 lakhs books. The Tamil Nadu Archives imparts one-month training programme in record management. The district record centres of the Tamil Nadu Archives functioning at Madurai, Tiruchirappalli, Coimbatore, Salem, Thanjavur and Cuddalore collect and preserve records from the district level offices. District gazetteers of Tamil Nadu are prepared and published by the Tamil Nadu Archives. Recently, Tamil Nadu Archives has published the Thoothukudi district gazetteer in two volumes.

9.2 Under 12th Finance Commission grants for heritage conservation, various projects are being under taken in Tamil Nadu Archives. Like wise under Part-II Scheme, Tamil Nadu Archives is being progressively modernized and computerized. It is proposed to purchase Desk Top Publishing system and computerize the Administrative section under Part-II schemes for 2008-2009.

10. TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION

10.1 Tamil Nadu State Council for Higher Education was established as an autonomous body by an Act of the Tamil Nadu Legislative Assembly in 1992 for the promotion and co-ordination of Higher Education at the State Level and for co-ordination of state level programmes with those of the University Grants Commission. Hon'ble Minister for Higher Education is the Chairman of the Council.

10.2 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 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 and set up a monitoring system are the important functions of the Council.

ACTIVITIES / SCHEMES UNDERTAKEN DURING 2007-2008

10.3 Owing to global competition, the need for updating the curriculum was felt by the Council. Hence, a series of workshops were organised separately in B.A. Tamil, B.Litt. Tamil, B.Com, B.A. (Economics), B.Sc. (Zoology), B.Sc. (Botany) and B.A. (History). Professors from Universities and Autonomous colleges in Tamil Nadu participated in the two days programme and contributed their best in framing the curriculum and syllabus. Co-ordinators of Commerce, Economics, Tamil, History, Zoology and Botany finalised the syllabus. These were circulated to all Universities, Colleges and participants for further use.

10.4 With the funds provided by Ministry of Human Resource Development Department, 13 undergraduate level textbooks have been written in Tamil by experts.

10.5 ACTIVITIES / SCHEMES PROPOSED TO BE UNDERTAKEN DURING 2008-2009

- Developing Centres of Excellence in the State Universities.
- Encouraging more colleges to apply for Autonomy and assisting them in obtaining Autonomous status.
- Co-ordinating the activities of the Academic Staff Colleges.
- Assisting the Universities in updating and upgrading the curriculum.
- Assisting the Universities in improving the examination system.
- Training teachers for preparation of research project proposals, etc.
- Connecting the University libraries in the State.

- Encouraging the Universities to go in for e-governance.
- Clustering of institutions.
- Conducting academic audit of institutions by the Council.
- Preparation of Tamil textbooks.
- Supporting research activities in Higher Education.
- Providing financial support to teachers for undertaking research activities.
- Preparing a Status Report on Higher Education.
- To give training to teachers to be recruited further in colleges and Universities.

11. TAMIL NADU STATE URDU ACADEMY

11.1 Tamil Nadu State Urdu Academy was established in the year 2000 with a view to improve the growth and development of Urdu Language in Tamil Nadu. The Academy is functioning under the Chairmanship of Hon'ble Minister for Higher Education.

11.2 The Tamil Nadu State Urdu Academy with the grants sanctioned by Government, conducted two seminars-cum-literary meets and one public function. In that function, awards were distributed to eminent Urdu scholars and to Urdu students. Besides this, financial assistance is given to deserving poets for printing of their literary work.

11.3 During the year 2008-2009, Tamil Nadu State Urdu Academy propose to initiate/continue its activities in the following areas by obtaining grants:-

- (a) Providing financial assistance to set up Urdu libraries in the Government/ Corporation Urdu schools.
- (b) Setting up of Urdu coaching centres.
- (c) Giving awards of "life time service" to the Urdu literates.
- (d) Providing financial support to Urdu students to undergo higher studies.

11.4 The Government have sanctioned a sum of Rs.6,17,042/- as Grant for the year 2007-2008.

Dr. K. Ponmudy
Minister for Higher Education

COLLEGIATE EDUCATION

Annexure- 1

Number of colleges in the State 2007-2008

Type of Colleges	Government Colleges	Management		Total
		Aided Colleges	Self Financing (Unaided)	
Arts and Science Colleges	62	133	328	523
Physical Education	-	3	6	9
Oriental	-	10	-	10
School of Social Work	-	2	-	2
College of Education	7	14	288	309
University Colleges	7	-	-	7
Total	76	162	622	860

‘எண்ணிக்கையை அதிகரிப்போம்’ ‘தரத்தினை உயர்த்துவோம்’

Annexure- 2

Students Strength 2007-2008

Type of College	Sanctioned Strength						Admitted Strength					
	UG	PG	M.Phil	Ph.D.	B,Ed	Total	UG	PG	M.Phil	Ph.D.	B,Ed	Total
Govt. Colleges	44258	3709	460	140	1053	49620	43134	3569	451	135	1053	48342
Aided Colleges	96774	19487	2430	420	1760	120871	79932	15743	2403	401	1760	100239
Self-financing Colleges	102907	25069	1050	200	13900	143126	62925	12267	1037	190	13860	90279
Total	243939	48265	3940	760	16713	313617	185991	31579	3891	726	16673	238860

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

TECHNICAL EDUCATION

Annexure - 3

Details of number of Polytechnic colleges , sanctioned strength and students admitted in polytechnic colleges during the academic year 2007-2008

Sl. No	Category	No. of Institutions	Sanctioned Intake	Admitted	OC		BC		MBC		SC		ST		Total		Total (Boys + Girls)
					Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
1	Government	22	5160	5031	149	155	1419	814	859	392	761	398	57	27	3245	1786	5031
2	Government Aided	34	12980	12318	374	100	5620	1185	2568	438	1654	299	68	12	10284	2034	12318
3	Affiliated	3	215	127	2	0	53	0	35	0	36	0	1	0	127	0	127
4	Self – Financing	205	69316	64055	4951	554	30987	2854	16160	1166	6724	542	107	10	58929	5126	64055
	TOTAL	264	87671	81531	5476	809	38079	4853	19622	1996	9175	1239	233	49	72585	8946	81531

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

Annexure - 4

Details of number of Engineering colleges , sanctioned strength and students admitted in Engineering colleges during the academic year 2007-2008

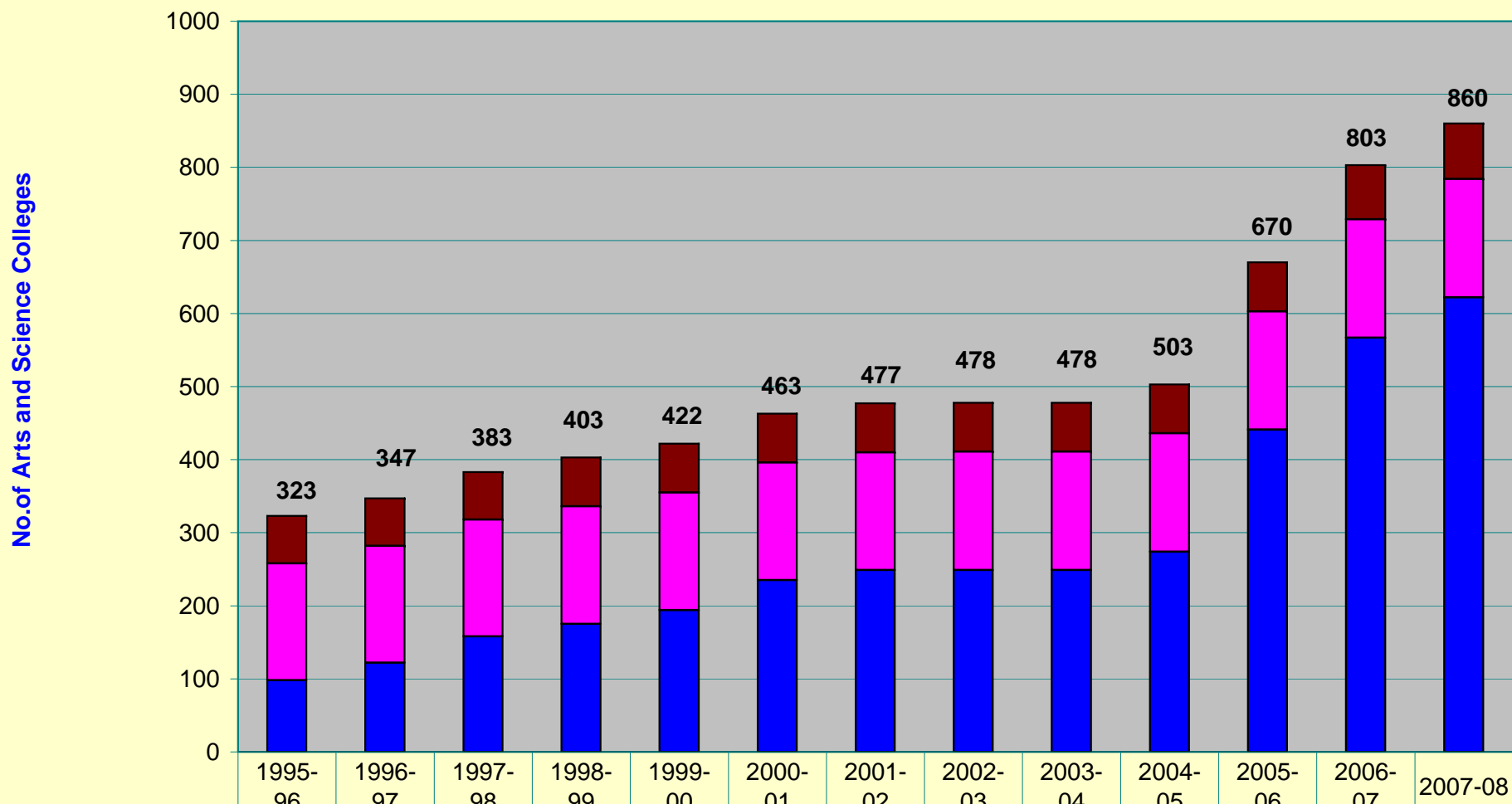
Sl. No	Category	No. of Institutions	Sanctioned Intake	OC		BC		MBC		SC		ST		Total Boys +Girls		Total Admitted
				Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls			
1	Government	6	1900	126	69	643	342	271	126	232	107	12	5	1284	649	1933
2	Government Aided	3	2130	279	118	699	397	250	128	195	125	15	3	1438	771	2209
3	Self Financing	263	104814	13066	5964	27691	18174	10979	5569	5492	2881	122	47	57350	32635	89985
	Total	272	108844	13471	6151	29033	18913	11500	5823	5919	3113	149	55	60072	34055	94127

‘எண்ணிக்கையை அதிகரிப்போம்’

‘தரத்தினை உயர்த்துவோம்’

CHART - I

NUMBER OF ARTS AND SCIENCE COLLEGES IN TAMIL NADU



■ Govt.Colleges	65	65	65	67	67	67	67	67	67	67	67	74	76
■ Govt.Aided Colleges	160	160	160	161	161	161	161	162	162	162	162	162	162
■ Self Finance Colleges	98	122	158	175	194	235	249	249	249	274	441	567	622

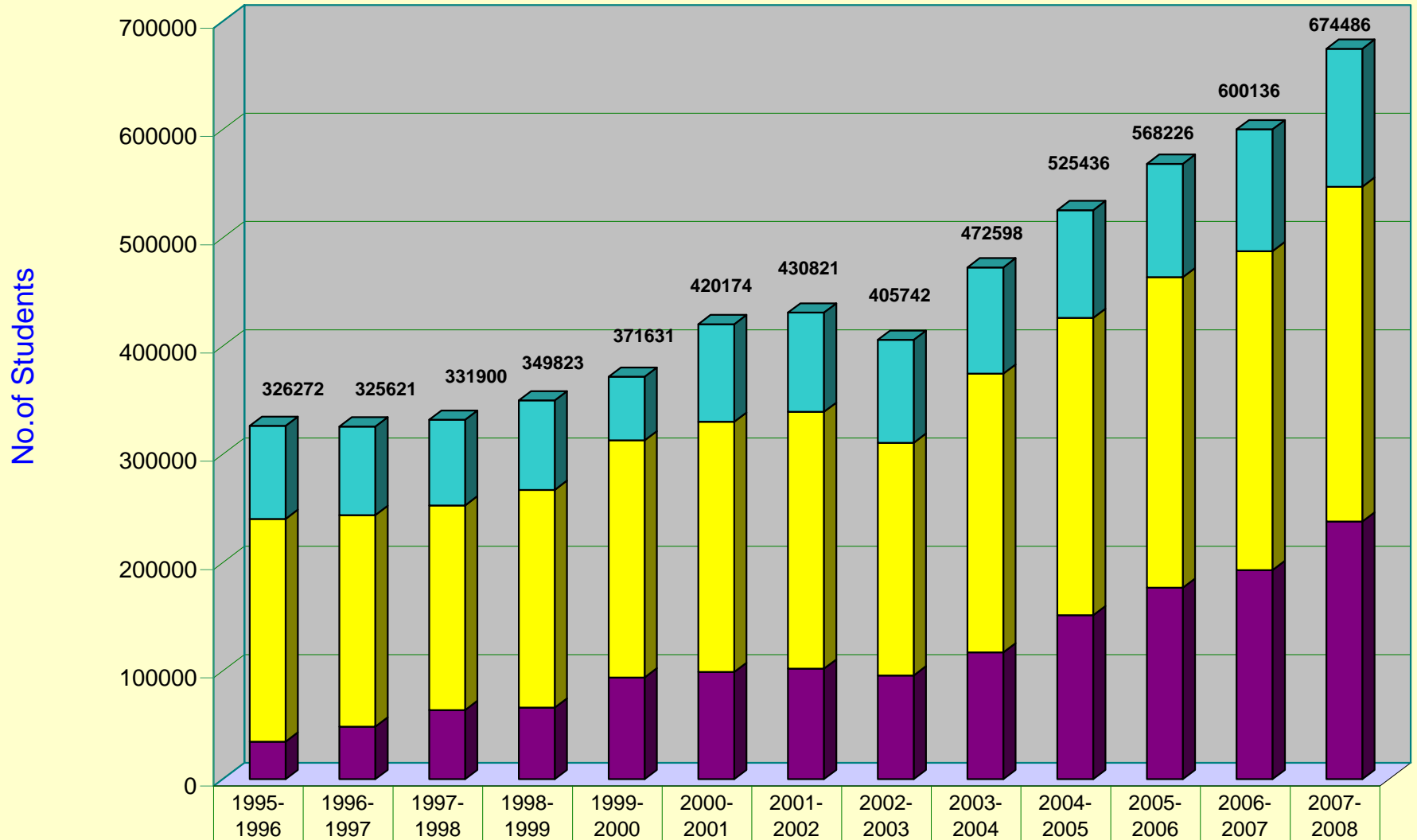
■ Self Finance Colleges

■ Govt.Aided Colleges

■ Govt.Colleges

CHART - II

NUMBER OF STUDENTS IN ARTS AND SCIENCE COLLEGES IN TAMIL NADU



■ Govt.Colleges	85917	81760	79138	82690	58730	90200	91624	95078	98137	99487	104700	112481	127371
■ Govt.Aided Colleges	205695	195344	188950	201099	219019	231018	237250	214869	257476	274535	286760	294521	309236
■ Self Finance Colleges	34660	48517	63812	66034	93882	98956	101947	95795	116985	151414	176766	193134	237879

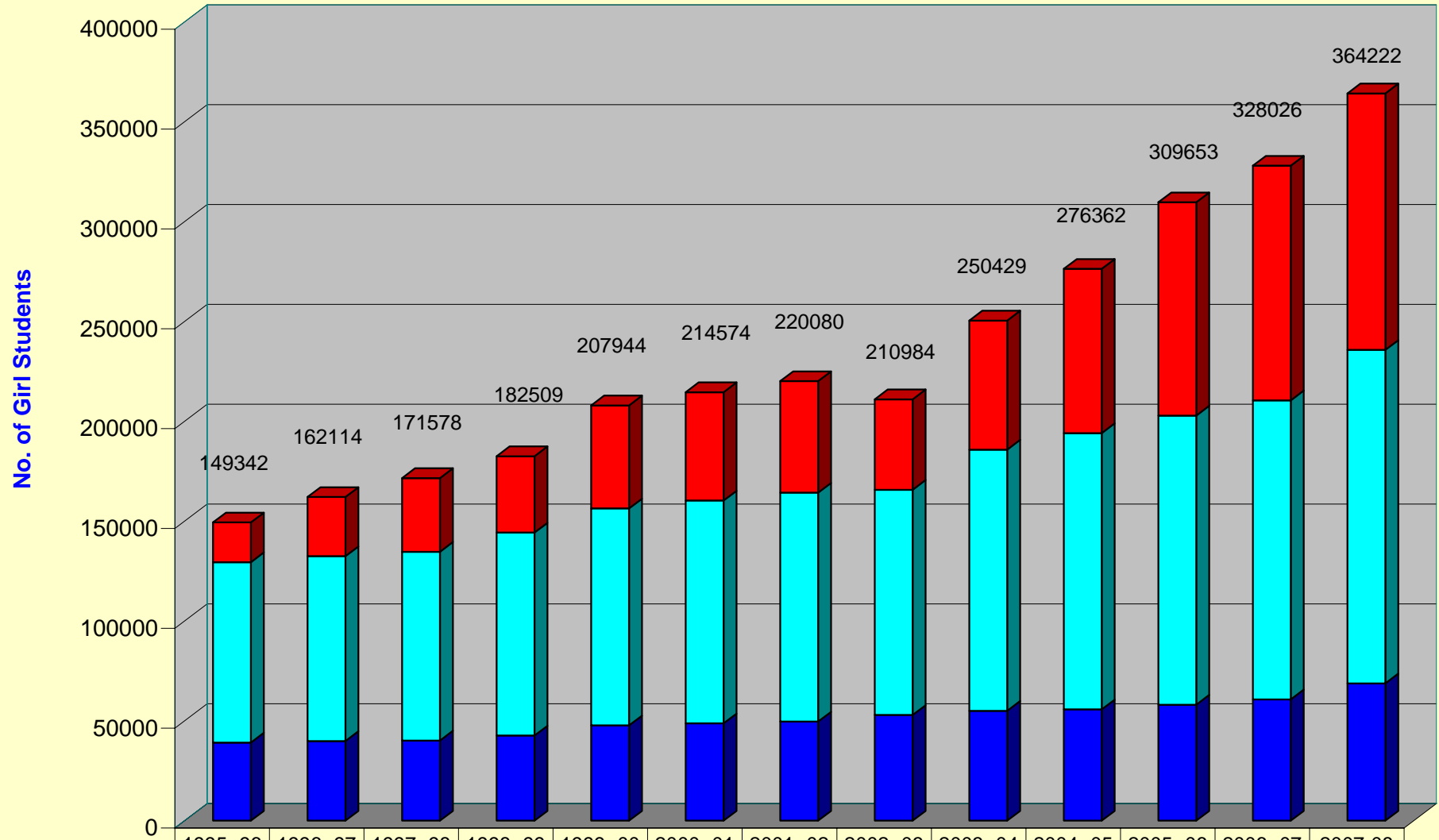
■ Self Finance Colleges

■ Govt.Aided Colleges

■ Govt.Colleges

CHART - III

NUMBER OF GIRL STUDENTS IN ARTS AND SCIENCE COLLEGES IN TAMIL NADU



	1995- 96	1996- 97	1997- 98	1998- 99	1999- 00	2000- 01	2001- 02	2002- 03	2003- 04	2004- 05	2005- 06	2006- 07	2007-08
Self Finance Colleges	19857	29664	36943	38221	51589	54274	55850	45240	64619	82255	106762	117501	128455
Govt.Aided Colleges	90353	92567	94501	101690	108641	111565	114639	112832	130784	138356	144810	149786	166987
Govt.Colleges	39132	39883	40134	42598	47714	48735	49591	52912	55026	55751	58081	60739	68780

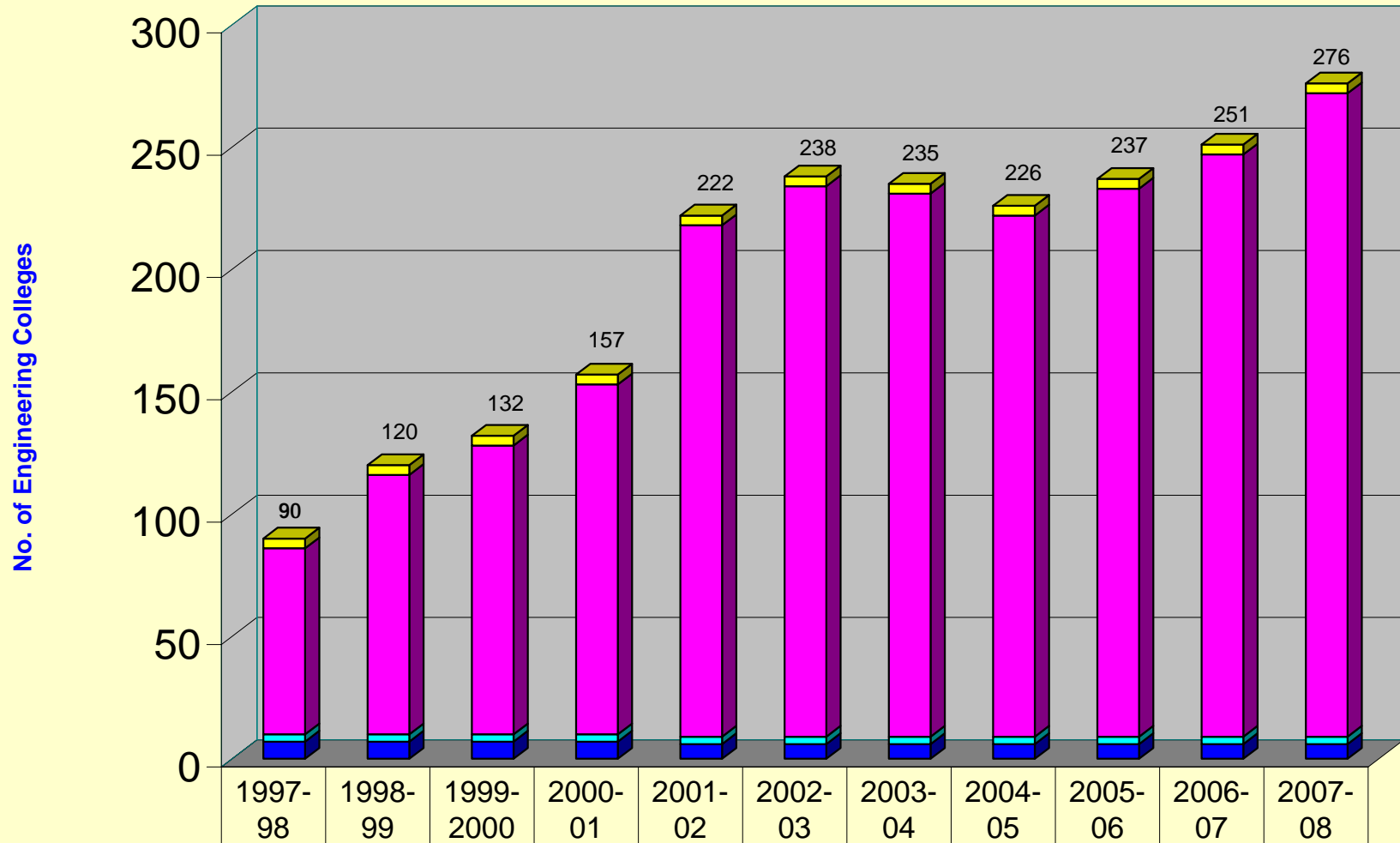
Govt.Colleges

Govt.Aided Colleges

Self Finance Colleges

CHART IV

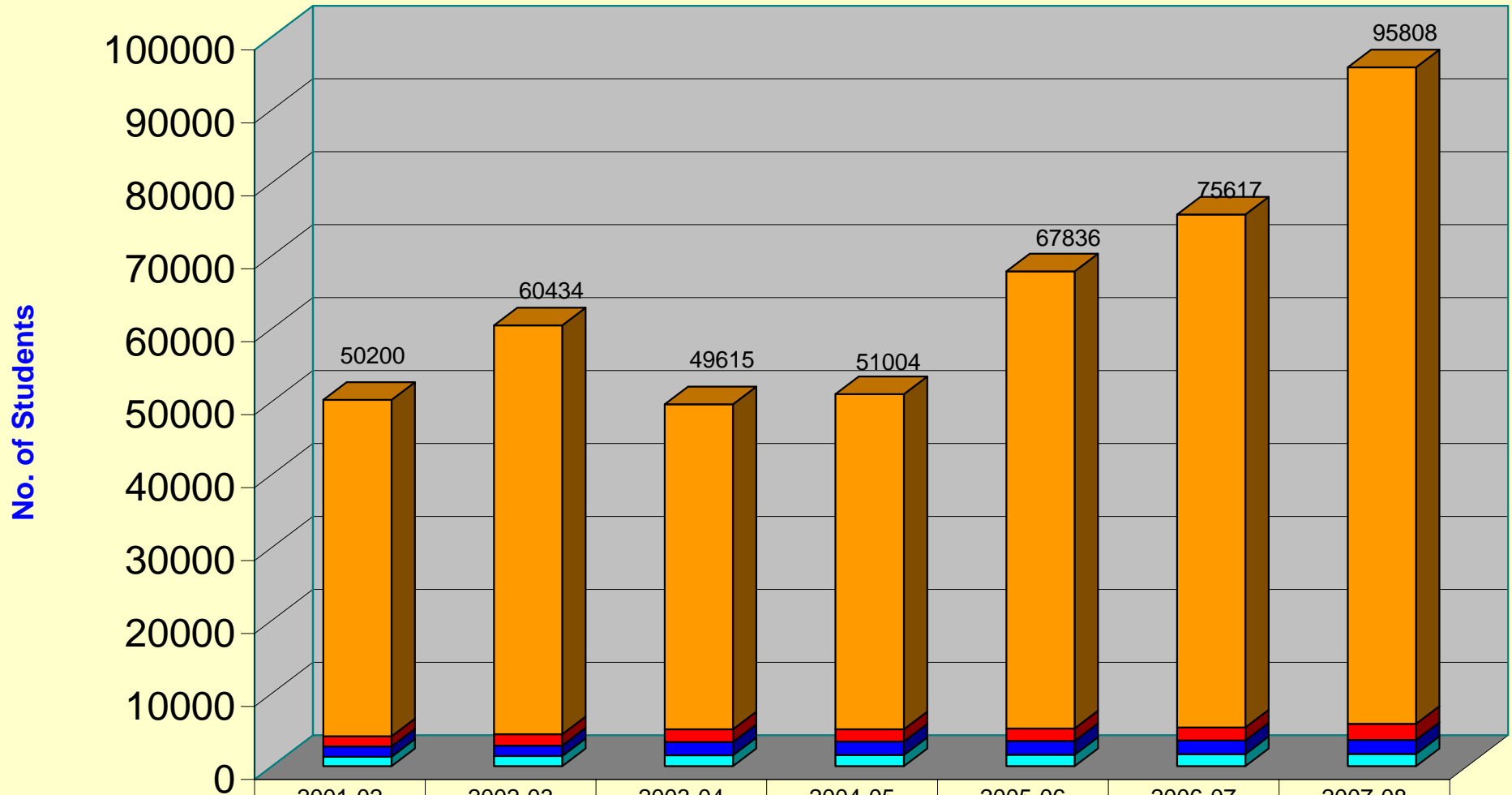
NUMBER OF ENGINEERING COLLEGES IN TAMIL NADU



■ Anna Univ. Colleges	4	4	4	4	4	4	4	4	4	4	
■ Self Financing Colleges	76	106	118	143	209	225	222	213	224	238	263
■ Aided Colleges	3	3	3	3	3	3	3	3	3	3	3
■ Government Colleges	7	7	7	7	6	6	6	6	6	6	6

■ Government Colleges ■ Aided Colleges ■ Self Financing Colleges ■ Anna Univ. Colleges

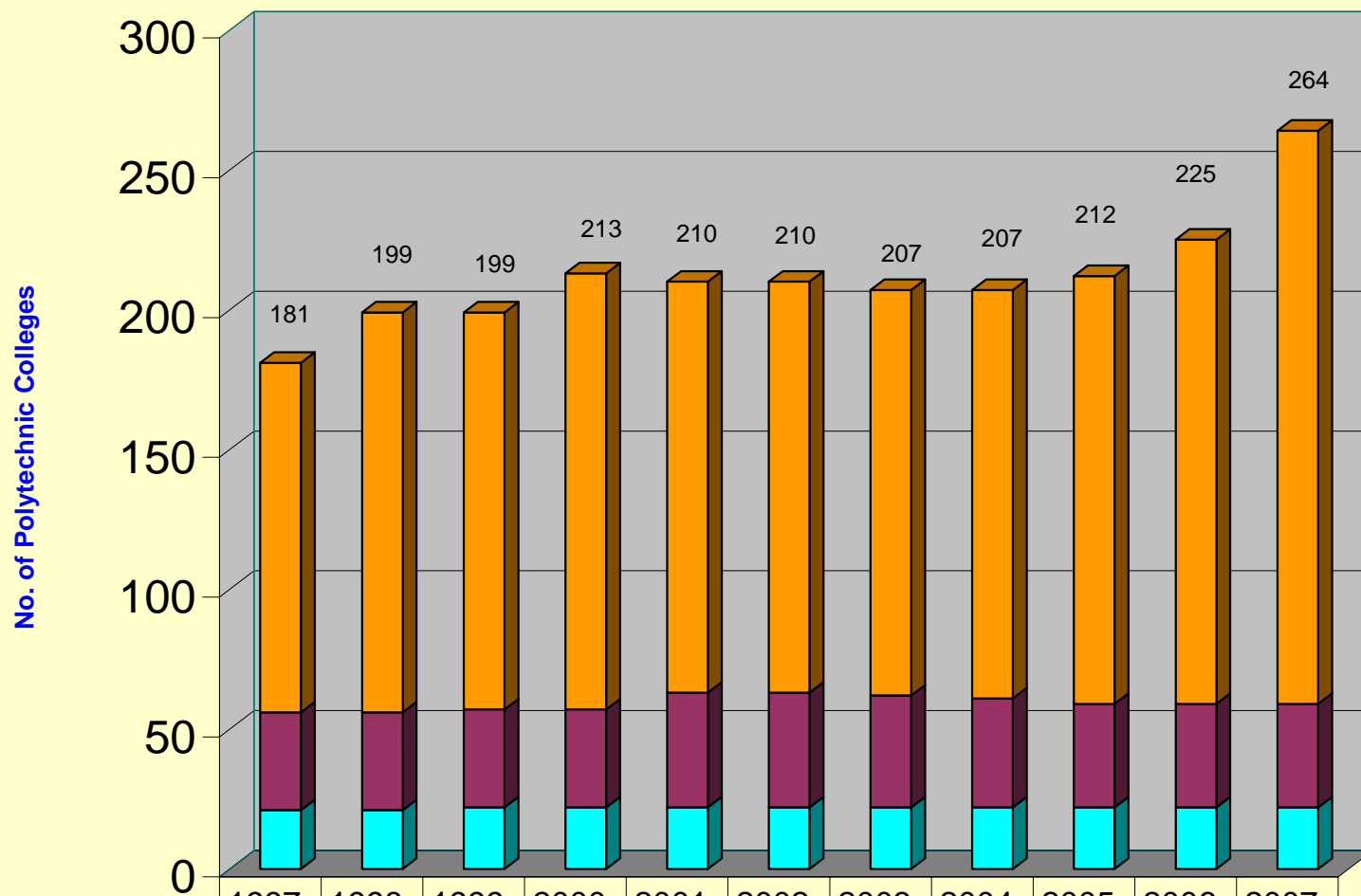
**CHART-V
ENROLMENT IN ENGINEERING COLLEGES IN TAMIL NADU**



	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
Self Financing Colleges	46096	56033	44566	45934	62648	70291	89985
Aided Colleges	1383	1562	1712	1675	1728	1788	2209
Government Colleges	1408	1436	1828	1857	1885	1874	1933
Anna University Colleges	1313	1403	1509	1538	1575	1664	1681

■ Anna University Colleges
 ■ Government Colleges
 ■ Aided Colleges
 ■ Self Financing Colleges

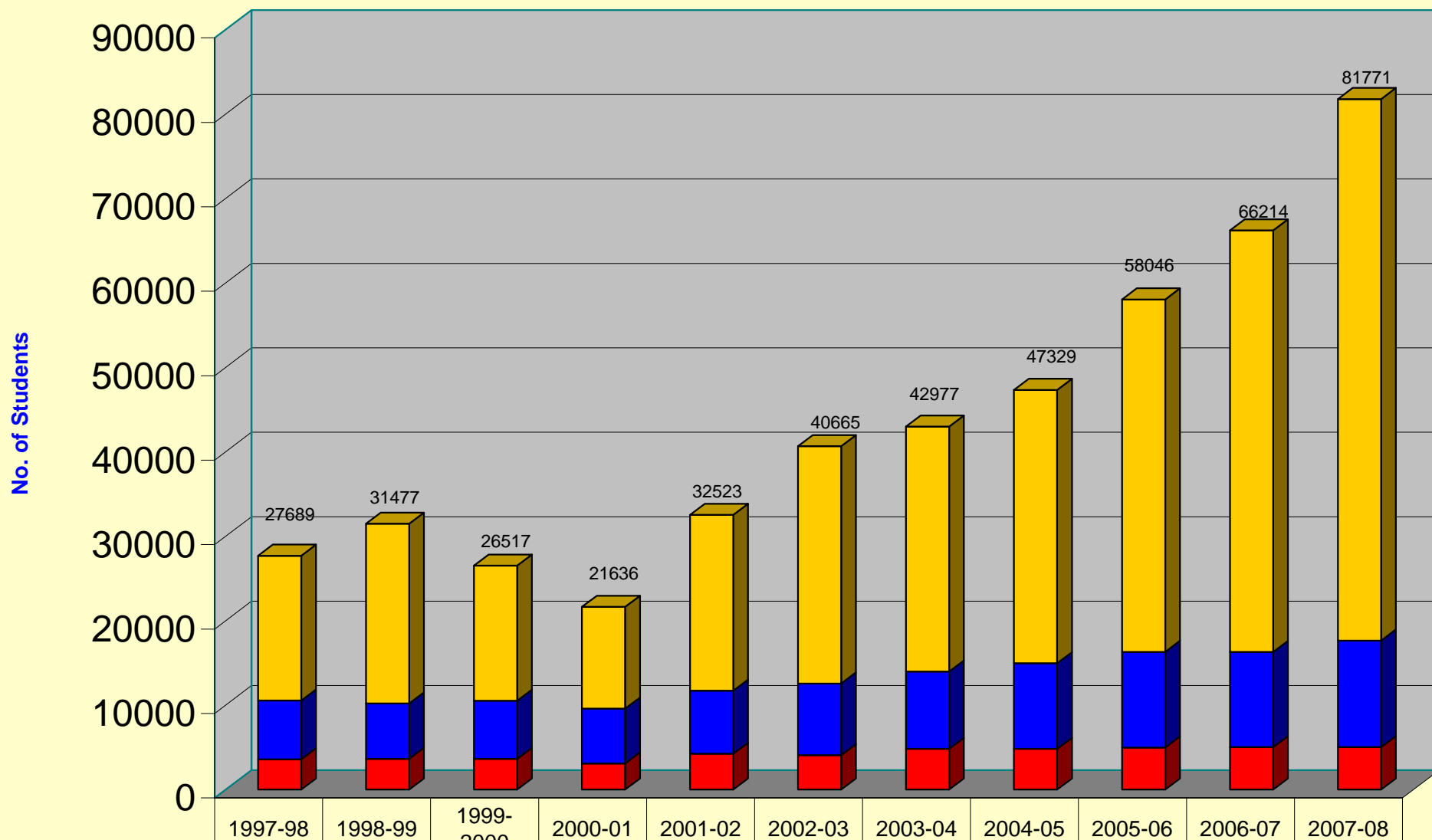
CHART-VI
NUMBER OF POLYTECHNIC COLLEGES IN TAMIL NADU



	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
Self Financing Colleges	125	143	142	156	147	147	145	146	153	166	205
Aided Colleges	35	35	35	35	41	41	40	39	37	37	37
Government Colleges	21	21	22	22	22	22	22	22	22	22	22

■ Government Colleges
 ■ Aided Colleges
 ■ Self Financing Colleges

CHART-VII
ENROLMENT IN POLYTECHNIC COLLEGES IN TAMIL NADU



Self Financing Colleges	17143	21282	16004	12057	20814	28097	29003	32370	41745	49924	64121
Aided Colleges	6957	6544	6878	6486	7469	8506	9148	10135	11317	11264	12619
Government Colleges	3589	3651	3635	3093	4240	4062	4826	4824	4984	5026	5031

■ Government Colleges
 ■ Aided Colleges
 ■ Self Financing Colleges