

GOVERNMENT OF KERALA'

ADMINISTRATION REPORT

OF THE

TECHNICAL EDUCATION

FOR THE YEAR 1984-85 - 1787 88

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ADMINISTRATION REPORT OF THE

TECHNICAL EDUCATION

FOR THE YEAR 1984-85

184/781-1

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HIGHER EDUCATION (G) DEPARTMENT

G. O. (P) 141/85/H. Edn. Dated, Trivandrum 15th June 1985.

Abstract: --Education--Technical--Administration report of Technical Education Department for the year 1984-85--Reviewed.

Read:—Letter No. C4/7541/85, dated 27-4-1985 from the Director of Technical Education.

ORDER

1. Recorded,

2. Dr. P. J. George, continued as Director of Technical Education. Sri T. M. Philip was the Administrative Officer up to 9/84 and thereafter Sri R. Kerala Varma Thirumulpad is continuing as administrative Officer.

3. The Office of the Director of Technical Education was functioning in the Padmavilasom Palace, Fort, Trivandrum.

4. The following Institutions functioned under the direct control of the department.

		Λ	1anagen		ú.e		
ы. No.	Category	Govt.	Privite	Quasi- Govt.	Total	$ \begin{array}{c} $	
(1)	(2)	(3)	(4)	(5)	(6)	(7)]	
1 2 3 4 5	Engineering Colleges Polytechnics Women's Polytechnics Institute of Printing Technology Food Craft Institute and Extension Centre	2 14 4 1	3	1	6 20 4 1 3	2	

(1)	(2)	(3)	(4)	(5)	(6)	(7)
6	College of Fine Arts	1		•	1	••
7	Institute of Fine Arts	2	• • •		2	
8	Commercial Institutions	14	••		14	6
9	Junior Technical Schools	34	••		34	
10	Pre-vocational training Centres	19	••	••	19	••
11	Government Industrial Schools	2	•••	، م م م	2	••
12	Vocational Training Centre	5	••		. 5	4.
13-	Tailoring Training Centre	7	••		7	
14-	T. G. M. T. Centres	31			31	
15	Tailoring Trade Schools	2	••		2	
16	Technical Teachers Training Extension Centres	••	- :-	1	1	••
17	Others	••		2	<u>2</u>	••
	Total	138	9	7	154	8

5. The state Board of Technical Education and Board of Studies in Engineering and Technology were functioning during the year under review."

The salient features of intake is given below:

Category	Intake
Engineering Colleges (Under graduate courses)	~1765+
R. E. C.	210
Total	1975
Post-graduate courses	128
Part-time Degree Courses	205
College of Fine Arts (degree course)	45
Polytechnics:	
Post Diploma Course	50
Diploma courses	3333
Part time Diploma courses	231
Certificate Course in textile Technology	60
Junior Technical Schools:	
J. T. S. ¹ L. C. Course	2200
Plus two level vocational course	760
Craft courses in Polytechnics	-36
Fine Arts Institute Courses	60
Food Craft Institutes Courses	180

ü

Category	Intake
Commercial Institute Diploma Courses	4.0
One year Technical Courses of Post S.S.L.C. level	180
Tailoring and Garment Making Training courses	740
Other Craft Courses	130

6. The details of Scholarships/Stipend granted to students of various Institutions were as follows:

		~~~~	Schola	urships	Stipe	end
Category of Institution		No. of Institution	No. of students	Amount (lakhs)	No. of students	Amount (lakhs)
1	Government Engineer- ing Colleges	2	487	14.43	2185	9.78
2	Private Engineering Colleges	3	280	3.69	730	7.90
3	Government Poly- technics	13	35	0.35	1910	13.60
4	Private Polytechnics	6	25	0.25	1640	12.75
5	Women's Polytechnics	4	35	0.17	615	1.77
6	Junior Technical Schools	34	395	1.10	690	4.22
7	Pre-vocational Train- ing Centre	19	••	••	498	1.58
8	College of fine Arts	1			74	0.43
9	Fine Arts Institutions	2	1	0.01	64	0.30
10	Food Crafts Institute	3			95	0.59
11	Government Commer- cial Institution	8	••	••	16	0.08
12	Tailoring & Garment making Training Centre	25		•	85	0.80
13	Vocational Training Centre	12	••		30	0.20

7. The total provision under the State Plan for the Department during the year 1984-85 was Rs. 234.00 lakhs of which Rs. 48.25 lakhs were for works. This fund under works was operated by the Public Works Department. Hence the real provision for the Department excluding works comes to Rs. 185.75 lakhs.

8. The total expenditure (tentative) under the State Plan till the end of March 1985 was Rs. 353.30 lakhs of which Rs. 58.42 lakhs were for works. The percentage of expenditure out of the total provision of Rs. 234.00 lakhs was 150.98.

9. The total expenditure excluding works under the provision of Rs. 185.75 lakhs was Rs. 294.88 lakhs and the percentage was 158.75.

10. Under the Centrally sponsored scheme the total provision was Rs. 60.00 lakhs and the expenditure (tentative) comes to Rs. 74.44 lakhs (124.06%).

11. The total expenditure (tentative) under the Non-Plan category is Rs. 637.04 lakhs against a provision of Rs. 630.21 lakhs.

12. The following were some of the major achievements during the period under review:

During the year 1984-85 there has been a marked progress in the field of Technical Education in Kerala. This progress can be seen in all areas from the level of Post Graduate Education down to job oriented/self-employment oriented training Programmes specially organised for Harijans. In spite of severe financial restrictions, it was possible to start a few new Technical Institutions in unrepresented areas to introduce new courses in emerging areas of technology and to open the first stage of the Kerala Science and Technological Museum. It was also possible to initiate action for the "Priyadarshini" Planetarium in the Science and Technology Museum Campus. A high level discipline was maintained in all campuses with resulting improvements in examination results.

#### New Technical Institutions

13. Two Government Polytechnics, one at Palai in Kottayam District and the other at Vennikulam in Pathanamthitta District were started during the year. Electronics, Instrumentation and Computer Science are the new courses started in these Institutions.

. 14. Sanction was given for the starting of an Extension Centre of the Food Craft Institute at Kottayam. It is anticipated that a major part of expenditure for the Institution can be obtained from Gavernment of India.

15. Further, Government Commercial Institutes at Punalur, Ettumannoor, Kothamangalam, Mala, Kalpetta and Thaliparamba started functioning during the year.

#### New Ccarses

16. Sanction was given for the starting of a Part-time evening M.B.A. Course at the College of Engineering, Trivandrum.

17. Degree courses in "Computer Science" were started at College of Engineering, Trivandrum, Engineering College, Trichur and T.K.M. College of Engineering, Quilon. 18. With cent percent Government of India Assistance, two Postgraduate courses at Regional Engineering College, Calicut and one P. G. Course at T.K.M. College of Engineering, Quilon were started during the year.

19. A Diploma course in "Automobile Engineering" was started at S. S. M. Polytechnic, Tirur.

20. A one year Post-Diploma course in "Television Engineering" and 18 months Post-Diploma course in "Computer Application" was started at Central Polytechnic, Trivandrum. A major share of expenditure for the Computer course is met by the Central Government.

21. Diploma courses in "Commercial Art" were started at Institute of Fine Arts at Mavehkkara and Trichur.

22. A Post-Diploma course in "Industrial Safety" was started at Kalamas-ery, for the benefit of the employees of the Industries

23. For creating job opportunities among Women, One year training courses in "Cosmetology and Beauty Parlour Management" were started at Kalamassery and Kottayam.

24. A part-time Evening Diploma course in Textile Technology was started at Central Polytechnic, Trivandrum.

#### Short-term Courses and Training Programmes

25 As a part of the programmes during the "Scheduled Caste/ Scheduled Tribe Year", the Department in collaboration with Lal Bahadur Shastri Engineering Research and Consultancy Centre, gave training to about 500 Scheduled Caste/Scheduled Tribe youths, in various modern technology and trades.

26. In addition to this, various courses in Computer Programming Computer application course for the final year students of Engineering Colleges, training programme in "Micro-Processor" for students in Womens' Polytechnics, Training course in "Modern Office Equipment" for the employed women were also conducted by the Lal Bahadur Shastri Engineering Research and Consultancy Centre. More than 400 persons were benefited by these programmes.

#### Kerala State Science and Technology Museum

27. The first stage of the "Kerala State Science and Technology Museum" was inaugurated in July, 1984. This project which will be costing more than Rs. 10.00 crores and designed with 12 Science and Technology Galleries, is expected to be completed in the next five years. "Priyadarshini Planetarium"—a major part of the Museum will be completed expeditiously This planetarium controlled by a computer and with 150 special effect arrangements can accommodate about 300 persons at a time.

#### **Vocational Education**

28. At the Higher Secondary level Vocational Education was introduced in 11 more Junior Technical Schools.

#### **Regional Engineering College, Calicut**

29. A new building for the Electronics Department was completed. A degree course in "Production and Industrial Engineering" was started. Sanction was also accorded for the starting of courses 10 "Computer Science" and Architectural Engineering and to increase intake from 250 to 350 from 1985 admission onwards.

#### **Regional Office**

30. The Regional Office of the Department started functioning at Calicut and Kothamangalam during the year. These offices are headed by joint Directors.

#### Lal Bahadur Sastri Engineering Research and Consultancy Centre, Shasthamangalam

31. During the year 1984-85 the activities of Centre were developed and extended to various fields. A computer costing Rs 15.00 lakhs was installed and more than 1500 educated people were given training in Computer programming Various Government Departments were given technical advice on Computer applications and the work relating to Computer applications were also taken by the Centre. In addition to the usual consultancy work, the centre has taken up the repair and maintenance of the sophisticated instruments. Steps were also taken for the construction of building for the Centre at Kalamassery and Trivandrum. The Centre had given training in modern technology and instruments, to about 200 Engineering degree students, 60 Women's Polytechnic students, 350 Scheduled Caste/Scheduled Tribe youths and 100 employed women.

#### **Computer Centres**

32. Computer Centres costing Rs. 7.00 lakhs to Rs. 15 00 lakhs were installed in all the six Engineering Colleges with the financial assistance of Government of India. Supply orders were also given for the purchase of computers to the three Women's Polytechnics, Central Polytechnic, Trivandrum and Government Polytechnic, Palai. Mini-Computers each costing over Rs. 2 lakhs were provided to all departments of the College of Engineering, Trivandrum. The students in various Technical courses can understand the influence of Computer age and also experience the computer usage through these Centres.

#### Water Resources Management Centre

53. A "Water Resources and Management Centre" started functioning in the College of Engineering, Trivandrum with cent percent financial assistance of Government of India. The main function of the centre is the study and research of various water resources and its efficient usages.

#### **Examination Results and other Activities**

34. In General, discipline and enthusiasm were seen in the academic field. The department was able to conduct the Diploma Examinations and publish the result within the scheduled time. Compared to the previous years' results there was an increase of 15% in the percentage of pass.

35. The Silver Jubilee of Junior Technical Schools, Manjeri, Shoranur and Kunnamkulam were celebrated during the year. Both the Youth Festivals were conducted in a well disciplined manner.

#### **Industrial Liaison Board**

36. For the promotion of understanding, Co-operation and liaison among the technical institutions and industrial institutions, an "Industrial Liaison Board" was constituted under the Chairmanship of the Hon'ble Minister of Education. More than 20 top officials from the various Industries are members of the board. The first meeting of the Board was held in November, 1984, and was decided to take steps for the co-operation and help of industries in the conduct of technical Education.

#### State Board of Technical Education

37. The Government of Kerala have reconstituted the State Board of Technical Education for a period of 3 years from 22-10-1984 with 60 eminent members from among Science, Technology Educational, Industrial and administrative fields and the Minister of Education is the Chairman of the Board.

38. The total outlay (both plan and non-plan) come to Rs. 868.21 lakks. During the year under report the total expenditure (tentative) come to Rs. 990.34 lakks. The amount provided under the plan was for the various schemes of development activities of technical Education. The amount under non-plan was mainly for the salaries and the expenses for staff and related activities.

39. The working of the Department during the year under review was on the whole satisfactory

By order of the Governor, M. S. K. RAMASWAMI,

Commissioner and Secretary.

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#### SYNOPSIS

The Department of Technical Education comes under the Ministry of Education of the Government of Kerala. The Department is headed by the Director of Technical Education and the functions under instructions from the Ministry.

The Co-ordination of the State Level Technical Education is vested with the State Board of Technical Education and academic matters are dealt with by the Board of Studies in Engineering and Technology.

The Department of Technical Education has control over 6 Engineering Colleges, 24 Polytechnics, One Institute of Printing Technology, 34 Junior Technical Schools, 3 Food Craft Institutes, 3 Fine Arts Institutions, 14 Government Commercial Institutions (including one Institute for P. T. Diploma Course), 35 Government Industrial Schools/T. G. M. T. Centres, 13 Government Vocational Training Centres and 19 Pre-Vocational Training Centres. This includes about 30 Institutions started during the last 3 years. Apart from those Institutions there are two autonomous Institutions the Lal Bahadur Sastri Engineering Research and Consultancy Centre and the Kerala State Science and Technology Museum. The Regional Engineering College, Calicut and the Food Craft Institutes at Kalamassery, Calicut, Trivandrum and Kottayam are also autonomous Institutions with the Minister for Education as Chairman.

There are also about 332 Industrial Schools and 126 Engineering Institutions under the Private Sector which are recognised by the Department

The Directorate commands a Man Power strength of 5772 by way of teaching staff, Technical supporting staff, Administration staff and allied staff. The total intake of students exclusive of admission in Junior Technical School 1s over 6600 and over 24,000 students are otherwise benefited at certificate level including 2200 students admitted to Junior Technical Schools. All Engineering Colleges and almost all Polytechnics except the newly started ones are provided with hostel facilities and sufficient library facilities.

The total provision under the State Plan runs to Rs. 234.00 lakhs inclusive of the share operated by the P. W. D. (Rs. 48.25 lakhs). The provision under non-plan is Rs. 630.21 lakhs.

The tentative expenditure during the period 1981-85 show 150.98% in the plan provisions (Rs. 353.30 lakhs). During the same period, the tentative non-plan expenditure comes to Rs. 637.04 lakhs.

The year under report had been comparatively rich in activities. 1790 students were admitted to the Degree Courses in various Engineering Colleges and 3333 students for Diploma Courses in various Polytechnics. Also the needs of about 7300 students studying for the K.G.C.E. Examinations and over 13600 students of K.G.T.E. Courses studying in provisionally recognised Institutions have been undertaken by the Department

Academically, apart from existing conventional Education in Engineering Colleges and Polytechnics, new courses have been started in emerging areas. This applies to Institutions of other lower categories also

The Institutions provide instructions in Degree, Diploma, Post-Graduate and Post-Diploma levels on a regular and Part-time basis. Part-time courses are restricted to a few Institutions and Courses. The Silver Jubilee celebrations of Junior Technical Schools, Manjeri, Shoranur and Kunnamkulam were celebrated during the year.

There is considerable growth at all of Technical Education in the year 1984-85. Substantial growth is registered at academic level in the quality of Education, number of courses and number of Institutions. With cent percent Central Assistance two P. G. Courses at Regional Engineering College, Calicut and one P. G. course at T. K. M. College, Quilon were started. New Degree course in "Computer Science" was introduced at Engineering College, Trivandrum, Trichur and Quilon. Diploma Courses in "Automobile Engineering" was started at S.S.M. Polytechnic, Tirur, one year Post-Diploma Course in "Television Engineering" and 18 months Post-Diploma Course in "Computer Applications" were started at Central Polytechnic, Trivandrum. A Post-Diploma course in "Industrial'Safety" was started at Kalamassery for the benefit of "Industrial Employees". One Year Training course in "Cosmatology and Beauty Parlour Management" was started at Kalamassery and Kottayam. New Polytechnics were started at Palai and Vennikulam. New Commercial Institutions at Punalur, Ettumanur, Kothamangalam, Mala, Kalpetta and Taliparamba started functioning during the year. An extension centre of Food Craft Institute was sanctioned at Kottayam.

Vocational Education at Ten plus Two level was introduced in 11 more Junior Technical Schools in the State. Under the special component plan, free supply of Text Books and Teaching aids were continued. 'Special coaching scheme for weaker students was implemented in all Institutions. Specialised training in Toy Making was arranged for Harijan Girls at. Trivandrum, Calicut and Trichur. Regional Centres of the Directorate sanctioned at Calicut and Kothamangalam started functioning.

There was an alround improvement of discipline, efficiency and activities in all Institutions under the Department during the year 1984-85. The Engineering Diploma Examination result showed an increase of 12% over the previous year's results.

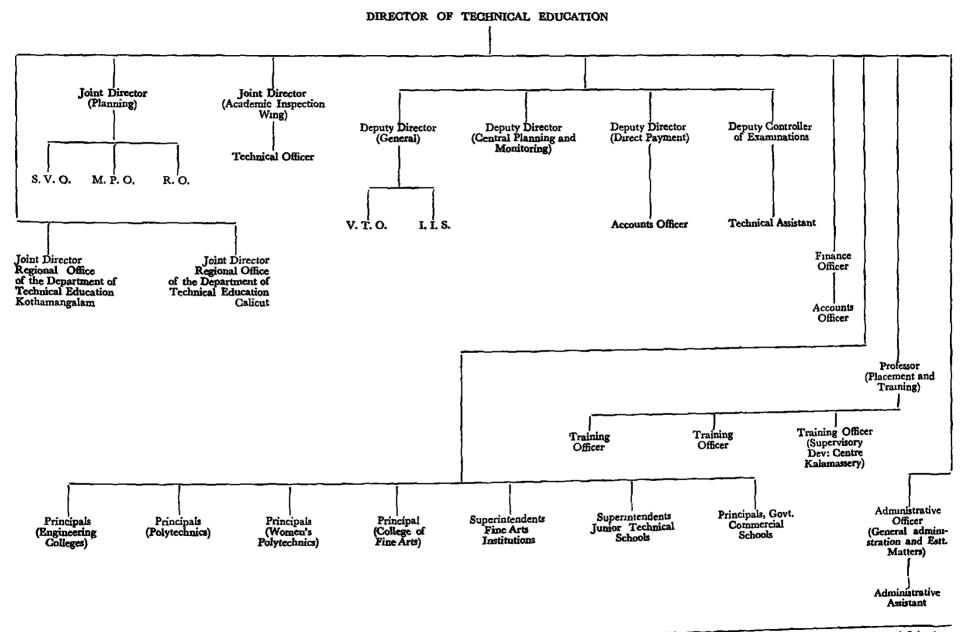
## 1. ORGANISATION STRUCTURE

The Organisation of the Department of Technical Education has its history traceable to 1957. Till then the Technical Institutions were controlled by the University and the Department of Industries and Commerce.

The Technical Education is at present co-ordinated by the State Board of Technical Education Academic matters come under the purview of Board of Studies in Engineering and Technology.

At present the Department comes under the Ministry of Education, Government of Kerala. The Department has at the apex of the Hierarchy the Hon. Minister for Education. The communication and decision making channels are through the Secretary to Government to the Director of Technical Education.

The Organisation structure is shown in figure The Directory of Personnel and the Appendix those follow indicate the role of the controlling authorities attached to this Department.



#### 2. THE DEPARTMENT IN 1984-85

#### 2.1. Introduction

The Department of Technical Education, Government of Kerala was started in 1957. There were only one Engineering College and Polytechnics to begin with. Today, the Department has grown into a crucial organisation in the field of professional education and training. Six Engineering Colleges, 24 Polytechnics, 34 Junior Technical Schools and 82 other Technical Institutions at various levels meet the demands of Kerala.

State Board of Technical Education with the Minister of Education as the Chairman and Director of Technical Education as the Convener advise the Government and the Department in matters connected with technical education. Advice on academic matters is sought from the Board of studies in Engineering and technology. The lists of members of these bodies are appended in appendix-I and 2.

#### 2.2. Objectives/Functions

1. Impart technical education through the various institutions.

2. Selection of students for different courses and allotment to different Institutions.

3. Formulation and implementation of Plan Schemes.

4. The disbursement of grants to Private Engineering Colleges and Polytechnics after assessing the eligibility for the same.

5. Payment of pay and allowances to the staff of private engineering Colleges and Polytechnics.

6. Distribution of Scholarships to the deserving and eligible students.

7. Conduct of inspection to assess the eligibility for recognition of private Engineering, Industrial and Tailoring Institutions and granting the recognition.

8. Conduct of Diploma examination in all Engineering subjects.

9. Monitoring and Implementation of Plan scheme.

10. Planning and implementing a Science and Technology Museum to generate science and technology consciousness amongst People.

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## 2.3. Resources

## 2-3-1. Personnel:

Table 1 below gives the Directory of personnel during the administrative year.

IABLE J
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Sl. No.	Name	Office held Remarks
1.	Dr. P.J. Groege	Director
2.	Shri C.I. Mathew (upto 12/84) Shri C.N. Rajan (from 1/84	Joint Director (Planning) do.
3.	Dr. S. Hariharan (upto 9/84)	Joint Director (Academic Inspection Wing)
	Prof. Baburaj Praseedom	
4.	Dr. K. Ramachandran	Professor of Placement and Training
5.	Shri T.M. Philip (upto 9/84) Shri R. Kerala Varma Thirumulpad	Administrative Officer.
6.	Dr. S. Narayanan	Deputy Director (D.P.)
7.	Shri C.N. Rajan (upto 9/84)	Deputy Director (General)
8.	Shri P.S. Aravindakshan (upto 12/84) Shri N. Ganapathy Iyer	Dy. Director (Monitering) do.
9.	Shri K P. Hamza	Dy. Controller of Tech Examinations
10.	Shri P. Joseph	Finance Officer
11.	Shrı N.E. Skariah	Administrative Assistant
12.	Shri P.K. George	Research Officer
13	Shri R. Bhaskaran Nair	Public Relation Officer
14.	Shri P.S. Aravindakshan	Joint Director
15.	Shri D. Balakrishnan	Regional Office (Calicut) Joint Director Regional Office (Kothamangalam)

Autonomous Bodies.

1.	Shri K. Ramachandran Nair	Director, Kerala State Science and Technology
2.	Dr. K.P. Parameswaran	Museum

Pillai Additional Director, Lal Bahadur Shasthri Engineering Research and Consultancy Centre.

A list of heads of Institutions is given in appendix 4

1.2. Staff position.

There are about 5772 people working under the Directorate belong to various categories and various institutions. Institution-wise their distribution is given in the appendix 5.

#### 2-3.2. Institutions:

Altogether there are 154 institutions under the Directorate of Technical Education, of these 138 are purely Government institutions, 9 private institutions and 7 Quasi-Government institutions.

SI.	Category	Л	lanagemen		Remarks Share of	
No.	Guicgory	Govt.	Private	Quasi Govt.		new additions
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Engineering Colleges	2	3	1	6	• •
2.	Polytechnics	14	6	••	20	2
3.	Women's Polytechnics	4	••		4	••
4.	Institute of Printing					
	Technology	1	••	••	1	• •
5.	Foodcraft Institute					
	and Extension Centre	••	••	3	3	••
6.	College of Fine Arts	1	• •	••	1	••
7.	Institute of Fine Arts	2	••	••	2	••
8.	Commercial Institutions	14	••	••	14	6
9.	Junior Technical					
	Schools	34	• •	••	34	
0.	Pre-vocational tarm-					
-	ing Centre	19	• •	••	19	••
Ι.	Govt. Industrial					
	Schools	2	••	••	2	••
2.	Vocational Training					
	centre	5	••	••	5	

 
 TABLE 2

 Number of Institutions under the Department of Technical Education

(1)	(2)	(3)	(4)	(5)	(6)	(7)
13.	Tailoring Training Centres	7	•••	••	7	• •
	T.G.M.T. Centres	31	••	••	31	• •
15. 16.	Tailoring Trade Schools Technical Teacher's Training Extension	2	••	••	2	••
	Centres	••	••	1	1	••
17.	Others	••	••	2	2	••
`	Total	138	9	7	154	8

#### **Appendix 7**

Appendix 7 gives the district-wise distribution of these institutions.

In addition to these institutions, there are 350 Industrial Schools and 126 Engineering Institutions which are purely private.

## 2-3.3. Facilities:

All the Institutions are provided with the facilities as per the norms. The salient features of intake is given below in Table 3 and the detailed version is given in Appendix 8.

#### TABLE 3

Category			Intake
Engineering Colleges courses)	(Under-graduate	••	1765
. 1	R.E.C.	••	210
	<b>F</b> otal	••	1975
Post-Graduate courses		• •	128
Part-time degree cours	ies	• •	205
College of Fine Arts	(degree courses)	••	45
· Polytechnics :			
Post Diploma course Diploma courses P.T. Diploma cours Certificate course in		••	50 3333 231 60
Junior Technical Schools	:		
<ul> <li>J.T.S.L.C. Course Plus two level vocat</li> </ul>	ional course	••	2200 760

Categories		intake
Craft Courses in Polytechnic		36
Fine Arts Institute Courses		60
Food Craft Institutes Courses	••	180
Commercial Institute Diploma Courses	••	480
One year Technical Courses of Post		
S.Ś.L.C. level		180
Tailoring and Garment Making Training Courses		740
Other Craft Courses		130

2. Scholarships and Stipends: About 9,900 number of students drawn from various categories of Institutions have been awarded Scholarship and Stipends during the year An amount about Rs. 2,000 lakhs was distributed as Scholarship and an amount of Rupee about 54 lakhs was distributed as stipend. The details of distribution is given in appendix'9.

3 Hostel Facilities: Hostel facilities are available to students wherever necessary. A brief account of the hostel facilities is given as follows and details are given in Appendix 10

Engg. Colleges Actual (intake hostels)	 3890 (including Re-
	gional Engg. Col-
	lege, Calicut)
Polytechnics	 2180
Women's Polytechnic	 205

Library facilities: All the Institutes under the Directorate functioned satisfactorily in number of books, acquisition and utilisation.

2-3-4 Financial:

The total provision under the State Plan for the Department during the year 1984-'85 was Rs. 234.00 lakhs of which Rs 48.25 lakhs were for works This fund under works was operated by the P.W.D. Hence the real provision for the Department excluding works comes to Rs. 185.75 lakhs.

The total expenditure (tentative) under the State Plan till the end of March 1985 was Rs. 353.30 lakhs of which Rs. 58.42 lakhs were for works. The percentage of expenditure out of the total provision of Rs 234 00 lakhs was 150.98.

The total expenditure excluding works under the provision of Rs. 185.75 lakhs was Rs. 294.88 lakhs and 'the percentage was 158.75.

Under the Centrally sponsored scheme the total provision was Rs. 60.00 lakhs and the expenditure (tentative) comes to Rs. 74.44 lakhs (124.06 %).

The total expenditure (tentative) under the Non-Plan category is Rs. 637.04 lakhs against a provision of Rs. 630.21 lakhs.

Detailed review and statement are given under the head "Financial Review"

#### 2.4. Activities

The year 1984-'85 marks an active period in the field of Technical Education in Kerala. There were considerable amount of activities taking place in all the facts. A few of them are mentioned below:—

#### 2-4-1: Routine Academic Activities:

#### 1. Engineering Colleges:

Over, 1500 candidates were selected for admission to the Engineering Colleges by the Commissioner for Entrance Examination exclusive of Regional Engineering College, Calicut. Management quota and various reserved quota. These candidates were alloted to the different Engineering Colleges (both Govt. and Private) by the Directorate.

(i) Government:—There are two Government Engineering Colleges, one at Trivandrum and the other at Trichur. They offered courses at Under-Graduate level in basic Engineering disciplines like Civil, Electrical and Mechanical Engineering. At Trivandrum, additionally, Architecture, Industrial Engineering, Electronics and Communication, Applied Electronics. Instrumentation Engineering and Computer Science were offered at Under Graduate level. At Trichur Chemical Production cum-Plant Engineering, Electrical Communication and Computer Science were also offered. The total intake at Trivandrum stood at 475 and Trichur at 360.

Both these Institutions offered Post-Graduate programme in 6 different specialisations.

(i) Private:—There are 3 Private Institutions. The T.K.M. College of Engineering. Quilon offered courses in Civil, Mechanical, Electrical, Electronics and Communication Production and Computer Science and Chemical Engineering with a total strength of 360. The total strength of M.A. College of Engineering, Kothamangalam stood at 270 offering courses in basic Engineering only. N.S.S. College of Engineering, Palghat with a strength of 290. Apart from basic Engineering subjects offered an Under-Graduate Course in Instrumentation and Control Engineering.

#### 2. Polytechnics:

(1) 14 Government Polytechnic, 6 Private Polytechnic, 4 Women's Polytechnics and one Institute of Printing Technology constitute the structure of Diploma level facilities under the Directorate. Apart from the 3 year Diploma Courses in Civil, Electrical and Mechanical Engineering, courses were offered in Electronics, Instrument Technology, Chemical Technology, Textile Technology, Polymer Technology, Wood Technology, Automobile Engineering, Tool and Die Engineering and Commercial Practice.

(ii) Diploma Courses in Costume Design and Dress Making, Commercial Practice and Electronics are the main courses in Women's Polytechnics. The newly started women's Polytechnic in the Ernakulam District has also introduced Diploma Course in Architectural Draughtman ship.

(iii) A three year Diploma course in Printing Technology is run by the Institute of PrintingTechnology at Shoranur for a strength of 60 students.

(iv) Six Private Polytechnics offered Diploma Courses in Civil, Mechanical and Electrical Engineering except Swami Nityananda Polytechnic where courses Civil, Mechanical and Automobile Engineering were offered. The Seethi Sahib Memorial Polytechnic also conducts courses in Electronics and Automobile Engineering.

Altogether these Diploma level Institutions meet the demands from over 3333 students.

#### 3. Junior Technical Schools

The Institutions conducted tests for admission to the 34 Junior Technical Schools in the State and admitted over 2200 students observing rules regarding reservations.

#### 4. Other Institutions.

(i) The Department has recognised Engineering Institutions to impart K G C.E. Courses to feed 7300 students The number of recognised Institutions of this category are 126. In the above Institutions instructions in Civil Engineering, Automobile Engineering, Mechanical Engineering, Electrical Engineering and City and Guilds of London Examinations are given importance at K G C E. level.

(ii) Instructions in trades like Tailoring, Embroidery and Needle Work are given through 332 Industrial Schools 80 Institutions are given grant in-aid apart from the same from other Departments like Harijan Welfare and Central Social Welfare Board. About 13,600 students are studying in these Industrial School.

Instruction was imparted to the students in a variety of trades covering different facts of human activities related to Engineering (more than 30 trades).

#### 5. Arts Institutions:

There are 3 Arts Institutions located at Mavelikkara, Trichur and Trivandrum, the last being the College of Fine Arts. Also a Craft Section is functioning at the Central Polytechnic, Trivandrum. The College of Fine Arts provides National Diploma. The Institute at Trichur provides a Diploma and at Mavelikkara a Certificate and Diploma Courses Courses are run for Painting, Sculpture and Applied Art at Trivandrum, Drawing and painting, Sculpture, Modelling and Commercial Art at Mavelikkara and Drawing, Painting and Engraving and Commercial Art at Trichur.

#### 2.4.2. Part-time Courses:

1 Part-time courses leading to Degree were conducted in both the Government Engineering Colleges and T K.M. College of Engineering, Quilon in the branches of Civil, Mechanical, Electrical Engineering Chemical at Trichur and Electronics and Communications at Trivandrum are also conducted. These courses are intented for Diploma holders and the Part-time Programme provides for avenues of career development.

2. College of Engineering, Trivandrum continued the part-time Post-Graduate Course of 3 years duration for teaching faculty.

3. 4 year Part-time Diploma Courses were run in Civil, Mechanical and Electrical in Polytechnics at Trivandrum (Central Polytechnic) Kalamassery (Govt. Polytechnic) Trichur (M.T I.) and Calicut (Kerala Govt Polytechnic). A Part-time Diploma Course in Textile Technology is run at Central Polytechnic, Trivandrum.

#### 2.4.3 Post-Graduate and Post-Diploma Courses:

1. Post-Graduate Courses in Civil, Mechanical, Electrical, Electronics and Communication Engineering were offered at the College of Engineering, Trivandrum Trichur Engineering College conducted Post-Graduate Courses in Electrical, Mechanical and Chemical Engineering. T.K M College of Engineering provided for Post-Graduate Course in Industrial Refrigeration and Cryogenic Engineering.

2. Post Diploma Courses were offered in the Central Polytechnic, Trivandrum (Industrial Electionics), (Television Engg.) and (Computer Application) Government Polytechnic, Kalamassery (Air Conditioning and Refrigeration) and in M.T.I., Trichur (Foundry Technology).

### 2.4.4. Sports and Games:

1. The Inter Polytechnic Athletic Meet was held in March 1985 at Government Polytechnic, Kottayam and 211 Polytechnics actively participated in the meet The Polytechnic Youth Festival was held in February 85 at Kerala Government Polytechnic, Calicut. 2. All the Engineering Colleges in the State actively participated in the Annual Sports and Games events

3. The Inter Junior Technical School Athletic Meet was held at J.T. School, Calicut in January 1985. There was active participation from all Junior Technical Schools.

4. The Inter Junior Technical School Youth Festival was held at Junior Technical School, Cannanore in January 1985.

#### 2.4 5. Hostel Activities:

All the Institutions at Collegiate level and except the newly started Polytechnics, all have hostel facilities attached to the Institutes They have the actual intake exceeding the sanctioned intake capacity except in certain circumstances. These Hostels maintain mess service on a dividing basis. The hostel facilities are given in Appendix-10.

#### 2.4.6. Jubilee Celebrations:

The Silver Jubilee Celebrations of Junior Technical Schools, Manjeri, Shoranur and Kunnamkulam were celebrated during the year.

#### EXHIBITIONS

Exhibitions were conducted at Junior Technical Schools at Manjeri, Kunnamkulam and Shoranur in connection with Silver Jubilee Celebrations of these Schools

#### 2.4.7. Regional Engineering College, Calicut.

This is a Quasi Government Institution administered by a Society registered under Societies Registration Act XXI of 1860. Administration is vested with a Board of Governors consisting of representatives of Government of India, Government of Kerala, U.G.C., I.I.T., Calicut, All India Council for Technical Education and Industries of the Region.

Instruction is offered at Under Graduate and Post-Graduate levels. At Under Graduate level the intake capacity is 250 (sanction obtained for 350) and at Post-Graduate level. 30. The Institute has started a new Under Graduate Course in Production and Industrial Engineering. A new building for the Electronics Department was completed.

#### 2.5. Achievements

During the year 1984-'85 there has been a marked progress in the field of Technical Education in Kerala. This progress can be seen in all areas from the level of Post-Graduate Education down to job oriented/ self-employment oriented training programmes especially organised for Harijans. In spite of severe financial restrictions, it was possible to start a few new Technical Institutions in unrepresented areas to introduce new courses in emerging area of technology and to open the first stage

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of the Kerala Science and Technological Museum. It was also possible to initiate action for the "Priyadarshini" Planatorium in the Museum Campus. A High level of discipline was maintained in all campuses with resulting improvements in examination results.

2. New Technical Institutions:—Two Government Polytechnics, one at Palai in Kottayam District and the other at Vennikulam in Pathanamthitta District were started during the year. Electronics, Instrumentation and Computer Science are the new courses started in these institutions.

Sanction was obtained for the starting of an Extension Centre of the Food Craft Institute at Kottayam. It is anticipated that a major part of expenditure for the institution can be obtained from Government of India.

Further, Government Commercial Institutes at Punalur, Ettumanoor, Kothamangalam, Mala, Kalpetta and Thaliparamba started functioning during the year

3. New Courses:—Sanction was obtained for the starting of a Parttime evening M.B.A. course at College of Engg Trivandrum.

Degree courses in "Computer Science" were started at College of Engg. Trivandrum, Engineering College, Trichur and T.K.M. College of Engg. Quilon.

With cent percent Government of India assistance, two Post Graduate courses at Regional Engineering College, Calicut and one P.G. course at T.K.M. College of Engg. Quilon were started during the year.

A Diploma course in "Automobile Engg." was started at S.S.M. Polytechnic, Tirur

A one year Post Diploma course in "Television Engg." and 18 months Post Diploma course in "Computer Application" was started at Central Polytechnic, Trivandrum. A major share of expenditure for the Computer course is met by the Central Government.

Diploma courses in "Commercial Art" were started at Institute of Fine Arts at Mavelikkara and Trichur.

A Post-Diploma course in "Industrial Safety" was started at Kalamassery, for the benefit of the employees of the Industries.

For creating job opportunities among Women, One year training courses in "Cosmetology and Beauty Parlour Management" were started at Kalamassery and Kottayam.

A Part-time Evening Diploma course in Textile Technology, was started at Central Polytechnic, Trivandrum. 4. Short-term Courses and Training Programmes:—As a part of the "Scheduled Caste/Scheduled Tribe year", the Department in Collaboration with LBSR. Consultancy Centre, training was given to about 500 SC/ST youths, in various modern technology and trades. Repair of Electrical appliances, Watch repairing, Radio repairing, Television Screening, Electroplating, Toy Making, Building Technology, Pottery Painting, Catering Technology, Food Processing, Computer operation, and Heavy Duty Driving were the main fields of training

In addition to this, various courses in Computer Programming, Computer application course for the final year students of Engineering Colleges, training programme in "Micro-Processor" for students in Women's Polytechnics, Training courses in "Modern Office Equipment" for employed women were also conducted by the Lal Bahadur Sastri Research and Consultancy Centre. More than 400 persons were benefitted by these programmes.

5. Kerala State Science and Technology Museum:—The first stage of the "Kerala State Science and Technology Museum" was inaugurated in July, 1984. This project which will be costing more than Rs. 10.00 crores and designed with 12 Science and Technology Galleries is expected to be completed in the next five years. "Priyadarshini Planatorium" a major part of the Museum will be completed within an year. This Planatorium controlled by a Computer and with 150 special effect arrangements can accommodate about 300 persons at a time. The major part of the instruments are purchased from the 'Gotto" Company of Japan. In their opinion this Planatorium costing about Rs. 2.5 crores will be the most modern Planatorium in India.

6 Vocational Education:—At the Higher Secondary level Vocational Education was introduced in 11 more Junior Technical Schools.

7. Regional Engineering College, Calicut:—A new building for the Electronic Department was completed. A degree course in "Production and Industrial Engg." was started. Sanction was also obtained for the starting courses in "Computer Science" and Architetural Engg. and to increase intake from 250 to 350 from 1985 admission onwards.

8. Regional Offices:—The Regional Offices of the Department started functioning at Calicut and Kothamangalam during the year. These offices are headed by joint Directors. The Supervision, Inspection, audit, Recognition of Private Institutions, Distribution of grants, Approval of appointment of teachers, Direct Payment etc. relating to the institutions in concerned regions are proposed to be dealt within these offices. This arrangement will make the administration of the Department more efficient.

9. Lal Bahadur Sastri Engg. Research & Consultancy Centre, Sasthamangalam:-During the year 1984-85 the activities of the Centre were developed and extended to various fields. A computer costing Rs. 15.00 lakhs was installed and more than 1500 educated people were given training in Computer programming Various Govt Departments were given technical advice on computer applications and the work relating to Computer applications were also taken up by the Centre. In addition to the usual consultancy work, the centre has taken up the repair and maintenance of the sophisticated instruments. Steps were also taken for the construction of building for the Centre at Kalamassery and Trivandrum. A major part of the expenditure for the purchase of computer, land and construction of buildings was not from the income received from the consultancy work of the centre. The Centre has given training in modern technology and instruments, to about 200 Engg. degree students, 60 women's Polytechnic students, 350 SC/ST youths, and 100 employed womens.

10. Computer Centres:—Computer Centres costing Rs. 7.00 lakhs to Rs. 15.00 lakhs were installed in all the six Engineering Colleges with the financial assistance of Government of India. Supply orders were also given for the purchase of computers to the 3 Women's Polytechnics, Central Polytechnic, Trivandrum and Govt. Polytechnic, Palai. Mini-Computers each costing over Rs. 2 lakhs were provided to all departments of the College of Engg. Trivandrum. The students in various Technical courses can understand the influence of Computer age and also exercise the Computer usage through these Centres.

Management Centre? Water Resources and Management Centre? was started functioning in the College of Engg., Trivandrum with cent percent financial assistance of Government of India The main function of the centre is the study and research of various water resources and its efficient usages.

12. Examination Results and other Activities:—In General discipline and enthusiasm were seen in the academic field. The Department was able to conduct the Diploma Examinations and publish the result in the Scheduled time. Compared to the previous years results, there was an increase of 15% in the percent of pass. Steps have also been taken to conduct the examinations and publish the results of the Engineering Colleges within time schedule.

The Silver Jubilee Celebration of Junior Technical Schools, Manjeri, Shoranur and Kunnamkulam were celebrated during the year. For the conduct of Youth Festivals in the Junior Technical Schools and Polytechnics an amount of Rs. 30,000 and Rs. 20,000 respectively was given as grant by Government. Both the Youth Festivals was conducted in a well disciplined manner.

'13. Industrial Liason Board:—For the promotion of understanding, Co-operation and liaison among the technical institutions and institutions an "Industrial Liaison Board" was constituted under the Chairmanship of the Hon'ble Minister of Education. More than 20 top officials from the various Industries are members of the board. The first meeting of the Board was held in November, 1984, and was decided to take steps for the co-operation and help of industries in the conduct of technical Education.

14 State Board of Technical Education:—The Government of Kerala have reconstituted the State Board of Technical Education for a period of 3 years from 22-10-1984 with 60 eminent members from among Science, Technology, Educational, Industrial administrative fields and the Minister of Education as Chairman

15. Action Inducated Programmes:—Considering the fact that no new Engineering Colleges were started during the last 25 years and the increasing demand for Engineering degree admissions, a Special Officer was appointed to study the need for more Engineering Colleges in Kerala. The report of the Special Officer emphasised the urgent need of starting three Engineering Colleges—one in the educationally advanced Central Travancore area, one in the Industrial belt of Cochin area and the other in the undeveloped area of Northern Malabar. The report was examined by the Expert Visiting Committee appointed by Government of India and the Committee recommended the report. The Southern Regional Committee of A I.C.T.E. in its meeting held on February, 1985 has also approved the need for starting these Engineering Colleges. The proposal for starting the Engineering College is under the consideration of Government.

Government have accorded sanction for the starting of 10 Junior Technical Schools in the undeveloped rural areas

Steps have been taken to start in 1985, job-oriented courses like "Cinematography", Sound Engineering, Ceramic Technology, Pulp and Paper Technology The Curriculum and Syllabus of these courses have also been prepared. Steps are also being taken to start a Post-Graduate Diploma course in Travel and Tourism at Trivandrum.

#### 2.6. Attention Paid to SC/ST and Weaker Sections of the Society

Some of the special interest taken by the Directorate in this Direction has been already outlined earlier under the head 'achievement'. They are consolidated and briefly mentioned here.

1. Effective implementations of the Special component Plan by providing tools, Equipments, clothing and cash for the purchase of instruments at Junior Technical School, Polytechnic and Engineering College levels.

2. Arrangement of special coaching for them at poor calibre in studies.

3. Stuffed Toy Making Training course for 18 months in Women's Polytechnics at Trivandrum, Trichur and Calicut with a stipend of Rs. 250 p.m and a sewing machine.

4 The Department in Collaboration with Lal Bahadur Sastri Research and Consultancy Centre, training was given to about 500 SC/ST youths in various modern technology and trades: Repair of Electrical Appliances, Watch repairing, Radio repairing, Television Servicing, Toy Making etc. were the main fields of training.

## 2.7. Direct Financial Assistance from Government of India

Government of India has given direct financial assistance to many institutions in Kerala under the Directorate of Technical Education for different purposes. They are briefly mentioned below:—

		ł	Ks.
1.	Engineering College, Trivandrum	71	akhs
2.	Engineering College, Trichur	12	,,
3.	T.K M. College of Engg., Quilon	22	"
4	M.A College of Engineering, Kothamangalam	10	<b>33</b>
5.	N.S.S. College of Engineering, Palghat	10	,,
6.	S.S M. Polytechnic, Tırur	3	,,
	Total	64 1	akhs

#### 3. GENERAL

#### 3.1. Progress in the use of Malayalam as Official Language

Steps were taken to use Malayalam for correspondence with class IV Staff and convert the various forms used in the department into Malayalam. Some of the general correspondence were also done in Malayalam.

#### 3.2. Industrial Liaison Board

The Government of Kerala have constituted an Industrial Liaison Board for Technical Education with the Minister for Education as its Chairman and with eminent industrialists of Kerala as its members. The first meeting of the Board was held at Ambalamedu Guest House, Cochin on 17th November 1984 and areas of mutual interest and collaboration between industry and institutions were discussed in detail.

#### 3.3. State Board of Technical Education

The State Board of Technical Education was reconstituted for three years with effect from 25-4-1984 with the Minister for Education as Chairman and with 60 members.

#### 3.4. ISTE Summer Schools

The following summer schools financed by the Indian Society for Technical Education were conducted during May/June 1984.

1.	College of Engineering, Trivandrum	Micro Processor Appli- cations
2.	Regional Engineering College, Calıcut	<ol> <li>Fracture Mechanics</li> <li>Modern Trends in Manufacturing Science</li> <li>Digital Techniques</li> </ol>
3.	Maharaja's Technological Institute, Trichur	Environmental Pollution Control
4.	Sree Rama Polytechnic, Valapad	Modern Trends in Electri- cal Driver and Control
5.	Central Polytechnic, Trivandrum	Principles and applications of Micro Processor

#### 3.5. Meeting of Principals

A meeting of I.S.T.E. Executive Council Members with Principals of Engineering Colleges and Polytechnics in the State and Senior Officers of the Technical Education Department was conducted on 26-7-1984 at T.K M. College of Engineering, Quilon. The Hon. Minister for Education inaugurated the meeting which was attended by over 50 members.

#### 3.6. Workshop on Solar Energy

A one day workshop on Solar Energy was conducted on 23-11-1984 at Mascot Hotel, Trivandium, jointly sponsored by the Department of Energy, Government of India, the Lai Bahadur Sastri Engineering Research and Consultancy Centre and the Department of Technical Education and participating over 60 leading Scientists, Engineers, Technologists, Industrialists and Administrators who are interested in solar energy production and utilisation.

#### 3.7. Seminar on Management in Technical Institutions

A two day seminar in Management of Technical Institutions was held on August 17 and 18, 1984 at Mascot Hotel, Trivandrum, jointly sponsored by the Indian Institute of Management, Bangalore and the Department of Technical Education. The seminar was attended by the Principals and Senior Professors of the six Engineering College in the State.

#### 3.8. Co-operative Society for Harijans

A Co-operative Society formed by the 27 trainees of the 18 months special training course for Harijan girls in Stuffed Toy Making was inaugurated by the Hon. Chief Minister on September 4, 1984. The Society will help the trainees to produce Stuffed Toys and market them on a continuing basis. Necessary financial assistance for this society has been promised by various sources.

#### 3.9. Low Cost Building Construction Techniques

The Rural Housing Wing of the College of Engineering, Trivandrum has directed construction activities employing cost reduction techniques at 12 different localities in the State. Nearly 750 construction workers and semi-skilled labourers were trained in the new cost reduction techniques developed by the National Buildings Organisation

#### 3.10. Science and Technology Museum Inaugurated

The first stage of the Kerala State Science and Technology Museum at Trivandrum was inaugurated by the Hon. Chief Minister on July 9, 1984 The Museum is now open to visitors The foundation stone of the "Priyadarsini Planatorium" attached to the Science and Technology Museum was laid by the Hon Chief Minister on November 19, 1984

## 3.11. Seminar on Renewable Sources of Energy

A 3 day seminar on Renewable Sources of Energy, sponsored by the State Committee on Science, Technology and Environment was conducted at Sree Rama Polytechnic, Valapad during May 3 to 5, 1984.

## 3.12. Seminar on Computer in Administration

A one day Seminar on Computer in Administration was held at Mascot Hotel on April 7, 1984. It was attended by 40 officers including Government Secretaries, Heads of Departments and Senior Officers of the Secretariat

## 3.13. Palai Polytechnic Inaugurated

, The newly started Government Polytechnic at Palai was inaugurated on September 24, 1984 by Sri T M. Jacob, Hon. Minister for Education, Sri K.M. Mani, Hon Minister for Finance presided over the function.

## 3.14. Vennikulam Polytechnic Inaugurated

The newly established Government Polytechnic at Vennikulam was inaugurated on October 26, 1984 by S11 T.M. Jacob, Hon Minister for Education.

#### 3.15. Awards

The Indian Institute of Chemical Engineer's 1984 National Award for "Excellence in Process and Product Development" was awarded to Dr. P. Sivasankara Pillai, Professor and Head of Department of Chemical Engineering, Government Engineering College, Trichur

#### 3.16. Publications

Directorate of Technical Education continued the publication of the quarterly titled "TEK NEWS LETTER" high lighting major activities of the Department and new trends in technical education.

#### 3.17. Recruitment of Personnel Belonging to SC/ST

Due to shortage of SC/ST students coming out of Engineering Colleges the Department was not able to fill up the vacant posts of Lecturers in Engineering Colleges reserved for SC/ST candidates So steps were taken to recategorise these posts into Lecturer's posts in Polytechnics where the minimum qualification required is only a diploma in Engineering. Also in the qualification for lecturers in Polytechnics, the experience part was considerably released for SC/ST candidates to ensure speedy filling up of the posts

Attempts are also being made to attract more SC/ST students to the Engineering Degree Courses as at present nearly two-thirds of the total seats allotted for SC/ST students for Degree Courses are being not utilised due to lack of applicants

Category	Plan (lakhs)	Non-plan (lakhs)
- Private Engineering Colleges	Nıl	84.50
Private Polytechnics	1.25	72 ·87
Private Industrial Schools	•	3 • 25
Regional Engineering College	3 00	44 00
Food Craft Institutes	8 <b>·</b> 25	8 • 43

3.18. Grants

#### Scholarships

Scholarships and stipends paid during 1984-85 to students from Kerala studying outside the State.

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#### 3.19. Man Power Planning and Development (Inclusive of Training of Officers

1. Faculty from Engineering Colleges continue to undergo advanced Education in Engineering at selected and approved centres in India under the Quality Improvement Programme. The faculty members are deputed for higher studies in Post Graduate Level and Ph. D. Level. During the year under report 8 candidates have been deputed for M.Sc./ M Tech and 6 candidates for Ph.D.

2. Similar Programme is implemented in Polytechnics and in the year 24 candidates were deputed to T.T T.I

3. A number of faculty members from Engineering Colleges, Polytechnics and Junior Technical Schools were also sponsored for participating in various Short Term Courses organised by the I S.T.E., Q.I.P., Programme and TTTI.

4 A study on the Employment pattern of women diploma holders passed out from Women's Polytechnics has been taken up.

5. A study on the wastage of SC/ST students in Engineering Colleges and Polytechnics is in progress

#### 3.20. Harijan Year

Over 450 Harijan Youths were given specialised training in various, engineering trades and modern' technology with financial support from the Harijan Welfare Department. The training programmes were inaugurated by the Hon Chief Minister on April 3, 1984 at Kanakakunnu Palace, Trivandrum Heavy Duty Vehicle Driving, Radio and Television Repair, Horology, Electroplating, Instrument Repair, Electronics and Electric Appliances repair, Toy Making, Computer Programming and Console operation were the trades and areas in which training was given for periods ranging from 3 months to one year.

#### 4. FINANCIAL REVIEW

The Financial resources have been already outlined carlier. The total outlay (both plan and non-plan) come to Rs 868 21 lakhs During the year under report the total expenditure (tentative) came to Rs. 990.34 lakhs The provision and expenditure pertaining to 1984-85 in comparison with 1983-84 is given under in the table

The amount provided under the plan was for the various schemes of development activities of technical education. The details are outlined in the "Achievements" The amount under the Non-Plan was mainly for the salaries and other expenses for staff and related activities.

<u> </u>	·····				
Sl. No.	Head of account and name of scheme	Provision for 1984-85	Expendi- ture for 1984-85 (tentative)		Expendi- ture for 1983-84
(1)	(2)	(3)	(4)	(5)	(6)
1.	277 F(a)1—Directorate 477 (d) 1	4 •50 4 •00	7.57	4.00 3.00	3 ·26
2.	277 F(a) 2—Statistical and placement cell in the Directorate	1 •50	1 •50	1 -20	1 •33
3.	277 F(a) 3—Examination wing in the Directorate	8 •00	15 •72	7 •80	11.52
4.	277 F(b) 1Junior Technical Schools	8 •00	4 •84	7 •50	5.90
5.	277 F (b) 3—Pre-vocational training centres	9 •00	16 •81	9.00	11 _. •87
6.	277 F (b) 4—Starting of New Junior Technical Schools 477 (d) 1	14.00	36 •15	13 •40	18 •95 '
7.	277 F (b) 5—Vocationali- sation of Education at Post Secondary stage in Junior Technical Schools	4.00	12 -00	0.10	<b>4 ∙0</b> 5
8.	277 F (c) 1-Govt. Polytech-	<b>6 ∙</b> 50	5 ·27	6.00	5 •63
	nics 477 (d) 1	18.00	20.19	16.00	18 •94
9.	277 F (c) 2—Women's Poly- technics	2 •50	1 •44	2.00	1 •65
10.	277 F(c) 3—Centres for Diploma in Commercial Practice	4 ∙50	8 •91	4.50	5.05
	477 (d) 1	0.50	••	0 •50	••
11.	277 F(c) 4-New Polytechnics	10 00	40 •08	<b>00·8</b>	22 •7 <u>6</u>
12.	277 F(d) 2—Development of Engineering College, Trivandrum		2 .85	4.00	<b>4 •</b> 00

4.1. Scheme-wise Statement of Plan Provision and Expenditure during the years 1983-84 and 1984-85

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(Rs. in lakhs)

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(1)	(2)	(3)	(4)	(5)	(6)
13.	277 F(d) 4—Development of Engg. College, Trichur	5.90	6 • 16	4 •45	3 <i>-</i> 96
	-477 (d) 1	7 •00	4 ·15	⁻ 5⁻•50	6 •63
14.	277 F(d) 6—Upgrading of Engg. College, Trivandrum by providing centralised facilities	11.00	8 •86	8 •50	10 -61
15.	277 F(d) 7—Installation of Computer at Kerala Uni- versity Campus	2 •50	0 -97	2 .00	1 •81
16.	277 F(d) 8-Part-time courses	3 • 50	6 •98	3.00	6 ·44
17:	ment Workshop	5 •50	1 410	5 •50	1 •61
	477 (d)1	0 •50		0 •50	••
18.	Colleges	Nil	••	8.00	14 • 13
19.	277 F(e) 2Regional Engi- neering College, Calicut	3 •00	3.00	2.00	2.00
20.	technics	<b>4 ∙0</b> 0	1 •25	<b>4</b> ∙00	1 •22
21.	277 F(e)4—Food Craft Insti- tute, Kalamassery and Extension Centres	7 •00	8 ·25	7.00	7 •00 -
22.	lopment	12.00	16 •58	12.00	14 •42
23.	training	5.00	6 • 18	5.00	6 • 10
24	dence	0 •50	0 <i>·</i> 75	0.50	0.2
25.	277 F(h)8—Revision of staff structure	7 •00	14.11	7 •00	,18 <b>·</b> 3
26	277 F(h)9—Tailoring and garment making training centre	2 •83	2 •74	2 •80	1.6
	477 (d)1	0 •50	••	0.50	• •
27.	277 F(h)10—Tailoring & Garment making, Training Centres Special component Plan	100	2 •20	1.00	<b>`1-</b> •1

(1)	(2)	(3)	(4)	(5)	(6)
28.	277 F(i)5 - Technological Museum	4 <b>·</b> 25	4 -59	3 •50	5.48
	477(d) 1	0 ·75		<b>0 •50</b> \`	••
29.	277 F(i) 8 - Diversification of courses	17.00	<b>36~46</b> 1.	15-00	23 •92
30.	277 -F (i) 9 - Modernisation of Laboratories	2 •00	1:•96~) ,	2-00	1.464
31.	277 F(i) 10—Free supply of Text books, instruments etc. to scheduled caste students- Spl. component Plan	1 •50 	3 •10	1 •50 [†]	2 •14
32.	277 -F (i) 11 - Free supply of Text books, instruments etc. to Sch. Tribe students - Tribal-Sub - Plan	0 •13	0 •03'	<b>0⊶13</b> ∿	0 •04
33.	277 F(i) 12—Supply of Text books, instruments etc. to Scheduled Tribe students —Dispersed tribes	0.07		0.07	••
34.	277 - F(i) 13 - Matching gram for Central schemes	É 3 <b>∙</b> 004	3 •13·	3~00/	3~15
35 <i>.</i>	277 F (i) 15 - Remedial courses—Special componen Plan	t 3.00	2 •43	3 <b>\'00'</b>	3 •73
36.	277-F (i) 19 - Granting of autonomy to one Engi- neering College and two Polytechnics	0.10	••	0 •05	1.
37.	277-F'(i), 23 Regional Engg. College, Calicut - Merit- promotion to teachers (State share)	. 0.10	0 •10	••	••
38.		• 0•37	0~08;	••	••
39.		6 •00∽	10+73	6.00	<del>6</del> •77
	477 (e) 1	1.00	••	1.00	••
40.		5.00	6 •53	**	••
	- • •	234 .00	353 •30	215.00	262 • 50

ŋ	£
4	υ

1)	J (2)	(3)	(4)	(5)	(6)
,	CENTRALLY SPONSORED SCHEM	nes (1009	6 Centr	AL ASSISTA	ance)
1.	277-F(d) 3 - Post-graduate, course in Engineering College, Trivandrum	30 .00	40 •72 ,	30 •00	28 •77
<b>2.</b>	277-F (d) 5-Post-graduate course in Engg. College, Trichur	15 00	16 •97	15.00	15 -65
3.	277-F (d) 15—Direct Centra assistance for development of Govt Engg. Colleges and Polytechnics	115.00	16 •75	15.00	5.21
	Total	60 ·00	74 ·44	60 ·00	49 •63
	Centrally Sponsored Sch	емеs (50%	CENTRA	L Assistan	NCE)
1.	277-F (i) 23 - Regional Engg. College, Calicut - Merit promotion to teachers	0 • 10	0 •10	••	
2.,	277-F (i) 24 - Starting of Pos B.Sc. course in Computer Science in Polytechnic, Trichur	t 0.37	1		
	Total	0.07	0.10	••	
2	TAI 4.2. Scheme-wise State and Expenditure during	ment of			
				Rs. in lak	
SI.		• •	( Expendi ture for	Rs. in lak - <i>Provision</i> for 5 1983-84	hs) n Expendi ture for
SI.	Head of account and name of scheme	Provision for	( <i>Expendi</i> <i>ture for</i> 5 1984-8	Rs. in lak - <i>Provision</i> for 5 1983-84	hs) n Expendi ture for
SI. No	Head of account and name of scheme	Provision for 1984-85	( ture for 1984-8 (tentatio	Rs. in lak - Provision for 5 1983-84 108)	hs) n Expendi ture for 4 1983-84
SI. No	Head of account and name of scheme (2) (2) 277-F (a) 1 - Direction and Administration	Provision for 1984-85 (3) 19.08	( a Expendit ture for 5 1984-8 (tentativ (4) 19 .26	Rs. in lak - Provision for 5 1983-84 1983-84 (5)	hs) n Expendi ture for 1983-84 (6)

n,	~
4	1

(1)	(2)	(3)	(4)	(5)	(6)
4	277-F (b) 3 - Pre-Vocational Training Centres	6.04	5.64	5.61	5.22
5.	277-F (c) 1-Polytechnics	135 •70	134 • 71	135 -65	122 •75
6.	277-F (c) 2 – Women's Polytechnics	18 -09	17 •74	16 • 46	14.71
7.	277-F (d) 1-Engg. Colleges	114 • 26	116 .63	114 •79	109 •58
8.	277-F (e) 1—Private Engg. Colleges	<b>79 •90</b>	84 •50	72 •66	75 ·03
9.	277-F (e) 2 - Regional Engg. College, Calicut	44 •00	<b>44 ∙00</b>	40 •47	58 •42
10.	277-F (e) 3 - Private Poly- technics	6 <b>9</b> •00	72 <b>•</b> 87	65 ·90	67 •88
11.	277-F (e) 4 - Foodcraft Institute	8 •48	8 •48	7 •71	5 •60
12.	277-F (e) 5 - Industrial Schools	3 •30	3 •25	3 •80	3 •02
13.	277-F (f) 1 - Scholarships	0 •50	0 •09	••	••
14.	278 (a) 2 - School of Arts	6 •68	<b>6 ∙4</b> 8	5 •96	5.77
	Total	630 ·21	637 ·04	600 ·40	588 -49

# 5. LIST OF APPENDICES

- 1. Members of the State Board of Technical Education.
- 2. Members of the Board of studies in Engineering and Technology.
- 3. Members of the Industrial liason Board.
- 4. List of Heads of Institutions.
- 5. Staff Position.
- 6. List of Technical Institutions in Kerala
- 7. District-wise Distribution of Technical Institutions.
- 8. Intake capacity and courses offered.
- 9. Scholarships and stipends.
- 10. Hostel Facilities.

### Appendix-I

#### Members of State Board of Technical Education.

- 1. Hon'ble Minister for Education: Chairman.
- 2. The Secretary to Government Higher- Education.
- 3. The Secretary to Government, General Education.
- 4. The Secretary to Government, Finance Department:
- 5. The Secretary to Government, Planning Department.
- 6. The Secretary to Government, Industries Department.
- 7. The Director of Industries & Commerce.
- 8. Director of Collegiate Education.
- 9. Director of Medical Education.
- 10. Director of Public Instruction.
- 11. Chief Engineer, P.W.D. (General)
- 12. Chief Engineer (Electrical), K.S.E.Board.
- 13. Chief Engineer, Water & Waste Water Authority.
- 14. Chief Electrical Inspector, Trivandrum.
- 15. University of Kerala (Nominee of Universities)
- 16. University of Calicut
- 17. Gandhiji University ", 18. 'Cochin University ",
- 19. Agricultural University "

Nominees of Government of India.

20. Dy. Ednl. Advisor (T), Ministry of Education, S.R.O., Madras.

"

- 21. Director, Board of Apprenticeship training, Ministry of Education, S.R.O., Madras.
- 22. Principal, Tech: Teachers Training Inst., Madras.

Nominees of Professional Bodies.

- 23. Institution of Engineers (India).
- 24. Indian Society for Technical Education.

Nominees of Research Organisation.

- 25. Vikram Sarabhai Space Centre.
- 26. Council of Industrial and Scientific Research.
- 27. L.B.S.E.R. and C. Centre.
- 28. Electronic Research and Development Centre, KELTRON Trivandrum.

Parliament and State Legislature.

29. Shri George Joseph Mundakkal, M.P. (Moovattupuzha)

30. Shri V.V. Joseph, ML.A, Moovattupuzha.

Recognised Associations

- 31. Chairman, K.S. Polytechnic students' Union.
- 32. President, Dip. Engg. Association, Kerala.

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### Engg. Industries

- 33. Representative, Association of Indian Engg. Industry.
- 34. Chairman and Managing Director, KELTRON, Trivandrum.
- 35. M.D., HMT, Kalamassery.
- 36. M.D., FACT, Udyogamandal.

### Armed Services:

37. Brig. P. M. Menon, Director, Vehicle Research Centre, Ahmednagar.

# **TECHNICAL INSTITUTIONS**

### Engg. Colleges:

- 38. Dr. S. Narayana Iyer, Principal, E. C., Trivandrum.
- 39. Prof. P.B J. Labba, Principal, T.K.M.E.C, Quilon.
- 40. Dr. S Unnikrishna Pillai, Principal, REC, Calicut.
- B. Polytechnics.
  - 41. Shri K.S.S. Naik, Principal, M.T.I., Trichur.
  - 42. N. Bhaskara Kurup, Principal, N.S.S. Poly., Pandalam.

# C.J.T. Schools.

43. Shri L. Mathew, Supdt., JTS, Adoor.

#### Experis.

44.	Dr. C. Jayaraman, Dean of P. G. Studies, E.C., Trivandrum.	Civil
45.	Dr. S. Ravikumar, Dean of P. G. Studies, E.C., Trivandrum	Mech.
	Dr. K.A. Muraleedharan, Professor, College of Engg., Trivandrum	Electrical
47.	Dr. M. Harisankar, Professor, E C., Trivandrum.	Electronics
48.	Dr. Govindan Aniyath Paral, Professor, E.C., Trichur	Chemical
49.	Shri Jipson Charles, Principal, W.P., Trivandrum	Commerce
50.	Shri V.K. Jawaharlal, Principal, I P.T., Shoranur	Printing
51.	Shri V. Nirmalan Thampy, Joint General Manager, K.S.R.T.C., Trivandrum	Auto.
52.	Dr. Jose, Common facilities Centre, Indl. Estate, Changanacherry	Polymer Tech.
53.	Dr. M.S. Valiathan, Director, SCM. Centre, Trivandrum	Bio-engineering

54.	Miss. Thankam Philip, Principal, Institute of Hotel Management, Bombay	Food craft
55.	Shri C.L. Porinchukutty, Principal, College of Fine Arts, Trivandrum	Fine Arts
56.	Head of Dept. of Textile Tech. P S C. College of Engg., Coimbatore.	Tex: Tech.
57.	Dr. K. Ramachandran, Prof. of Place- ment and Training, DTE's Office	Placement & Trg.
58.	Dr. K. Sathyanandan, Prof. of Physics, University of Cochin.	Science
59.	Prof. G. Nagappan Nair (Retd. Principal), Nalanchira, Trivandrum	Mathematics
60.	Director of Technical Education	Convener

Members of the Board of studies in Engineering and Technology

Chirman: Director of Technical Education

Chairmans:

- 1. Director of Public Instruction.
- 2. Chief Engineer (General) P.W.D. Trivandrum.
- 3. Chief Engineer (Electrical) K.S.E.B. Trivandrum.
- 4. Shri K.S. Sreenivasa Naik, Principal, Kerala Govt. Polytechnic, Calicut
- 5. Shri K.P. Pothen, Head of Section in Textile Technology, Central Polytechnic, Trivandrum.
- 6. Dr. P. Sıvasankara Pillai, Head of the Department of Chemical Engg., Engineering College, Trichur.
- 7. Shri N. Bhaskara Kurup, Principal, N.S.S. Polytechnic, Pandalam.
- 8. Shri C.K. Sreedharan, Professor of Commerce, Govt. Arts College, Trivandrum.
- 9. Dr. S. Narayana Iyer, Principal, Engg. College, Trivandrum.
- 10. Deputy Director (General), D.T.E's Office, Trivandrum.
- 11. Dr. R. Venketaraman, Professorin-charge, Technical Teachers Training Institute, Extension Centre, Kalamassery.
- 12. Shri C.I. Mathew, Joint Director, D.T.E's Office, Trivandrum
- 13. Dr. S. Hariharan, Joint Director, D.T.E's Office, Trivandrum

#### GOVERNMENT OF KERALA

#### Abstract

EDUCATION—TECHNICAL—ESTABLISHMENT OF LINKAGE BETWEEN TECHNICAL INSTITUTION AND INDUSTRY—CONSTITUTION OF INDUSTRIAL LIAISON BOARD—ORDERS ISSUED.

HIGHER EDUCATION (G) DEPARTMENT G.O.(MS.) No. 209/84/H. Edn. Dated, Trivandrum, 3-8-1984.

Read:—Correspondence resting with Director of Technical Education letter No. T1-38859/83, dated, 18-4-1984.

### ORDER

1. The Estimate Committee of Parliament 1977-78 made some recommendations urging the need for increased Linkage between Industry and Technical Institution with a view to have a need based Education and increased productivity of workers. One of the recommendations is to establish an Industrial Liaison Board in the State. In the circumstances, Director of Technical Education has recommended to set up a haison Board comprising the representatives of Industries, Engineering Establishments, Research Organisations in the State for Linkage between Technical Education and Industry.

2. Government after due consideration are pleased to constitute the Industrial Liaison Board with the following members:---

1.	Minister of Education, Government	
	of Kerala, Trivandrum	Chairman
2.	Vice-Chancellor, University of	
	Cochin, Cochin-22	Member
3.	Commissioner for Economics	
	Development, Govt. of Kerala	Member
4.	Secretary to Government Higher	
	Education Department, Government of	
_	Kerala, Trivandrum	Member
5.	Secretary to Government,	
	Industries Department,	
	Government of Kerala, Trivandrum	Member
6.	Director of Employment and	
_	Training, Trivandrum	Member
7·		
t.	Science & Technology, Government	
	of Kerala, Trivandrum	Member

8.	Director, Vikram Sarabai Space Centre,	Member
	Trivandrum	wiember
9.	Principal, College of Engineering, Trivandrum	Member
10 ·	Managing Director, Water and Waste Water Authority, Trivandrum	Member
11 ·	Managing Director, ALIND, Udarasiromony Road, Trivandrum	Member
12 •	Managing Director, Premier Tyres Limited, Kalamassery, Alwaye–603104	Member
13 •	Managing Director, Kerala News Print Mills, HPC Unit, Velloor, Kottayam	Member
14.	Managing Director, Western India Plywoods Limited, Baliapattam, Cannanore–670010	Member
15.	Chairman and Managing Director, K.S.I K , St. Joseph's Press Buildings., Cotton Hill, Trivandrum	Member
16.	Managing Director, Kerala Mınerals and Metals Limited. Beach Road, Quilon–1.	Member
17.	Managing'Director, Steel Industries Kerala Limited, Oottukuzhi, Trivandrum	Member
18.	Managing Director, Talk, Angamaly South, Ernakulam-683573	Member
19.	Chairman and Managing Director, Keltron, Keltron House, Vellayambalam	Member
20 •	Managing Director, Cochin Refineries Limited, P.B. No. 2, Ambalamughal–682302	Member
21 •	Chairman and Managing Director, FACT Ltd. Udyogamandal Pin-683501.	Member

22 ·	General Manager, HMT Colony Post, Kalamassery – 683503	Member
23 ·	General Manager, Instrumentation Limited, Kanjıkode West, Palghat–67823	Member
24 •	Managing Director, Cochin Shipyard Limited P.B. No. 1653, Cochin–682015	Member
25 ·	Director of Technical Education Government of Kerala, Trivandrum–695023	Member Secretary

### 3. Scope of Board

(1) The Board shall be the recommending authority for the development and research activities in Technical Education and the technical ManPower Development in the State.

(ii) At the State level the board shall—

(a) Identify the areas and fields in which courses at various levels are needed and also set up expert committee to design appropriate courses.

(b) recommend appropriate changes in the curriculum and diversification of courses in suit the needs of industries.

(c) Devise means for effective training for students of the sandwhich courses.

(d) Suggest methods for effective utilisation and increase in the number of training vacancies for the training under Apprenticeship Training Act.

(e) Suggest norms for in-plant training of technical students during their vacation periods.

(f) Prepare proposals for the adoption of Engineering institutions by industries.

(g) Prepare schemes for development of community Polytechnics.

(h) Arrange industrial residency for training of teaching faculty members in industries.

(i) Identify special areas of training for the teachers in industrial personnel at various levels in the institutions.

(j) Devise continuing education programmes for teachers in industry and for industrial personnel in institutions.

(iii) In the Institution level, the board shall-

(a) Set up advisory committee consisting of teachers from the institution and experts from industries to solicit and recommend problems from industries on research design, development and product, and also to assist the institution in planning implementation and supervision of training programme.

(b) Suggest norms for the use of sophisticated costly equipment in the institution and industries for mutual benefits.

(iv) The duration of the Board will be four years and shall meet at least twice a year. The convener is authorised to convene the meeting of the Board, to keep the minutes and other records and to pursue the recommendations of the Committee. The Board shall have the status of First Class Committee of the State Government. The Board members shall be eligible for T.A. and D A. Admissible to the class I officers of the State.

(v) The anticipated annual expenditure on this account Rs. 20,000 towards T.A. and D.A. of the members which can be met from "277F (h) 6— Industrial Residence."

By order of the Governor,

M.S.K. RAMASWAMY,

Commissioner and Secretary to Government.

#### Appendix 4

LIST OF HEAD OF INSTITUTIONS

Name of Institution

Name of Head of Institution

-	-	~
	ENGINEERING	I OT TROPE
<b>L</b> .	LINGINGERING	COLLEGES

- 1. College of Engineering, Trivandrum. 2. Govt. Engineering College,
  - Trichur
  - T.K.M. College of Engg, Quilon 3.
  - 4. N.S.S College of Engg., Palghat M.A. College of Engineering, 5.
  - Kothamangalam 6. Regional Engg. College, Calicut

#### II. POLYTECHNICS

- 1. Central Polytechnic, Trivandrum
- Govt. Polytechnic, Kottayam 2.
- 3. Govt. Polytechnic, Kalamassery

Dr. S. Narayana Iyer

Prof. P.C. George

Prof. P.O J. Lebba

Dr. V. Balakrishna Panicker

Prof Aliyas Varghese Dr. S. Unnikrishna Pillai

- Sri E. Narayana Iyer
- 1. Sri K.R. Chandrasekharan
- 2. " N.K. Chacko
- 1. " N.K. Chacko
- ., C.M. Venketeswaran 2.

Name of Institution 4. M.T.I., Trichur

- Sree Rama Polytechnic; 5. Valapad Govt. Polytechnic, 6. Perinthalmanna
- Kerala Govt. Polytechnic, Calicut 7.
- Govt. Polytechnic, Cannanore 8.
- 9. Govt. Polytechnic, Muttom, Idukkı,
- Govt. Polytechnic, Palghat 10.
- Govt. Polytechnic, 11. Kothamangalam
- Govt. Polytechnic, Meenangadi, 12. Wynad
- Govt. Polytechnic, Palai 13.
- Govt. Polytechnic, Vennikkulam 14.
- 15. Institute of Printing Technology, Shoranur
- Sree Narayana Polytechnic, 16. Kottiyam
- 17. N.S.S. Polytechnic, Pandalam
- 18. Carmel Polytechnic, Alleppey
- 19. Thiagarajar Polytechnic, Alagappanagar
- Seethi Sahib Memorial Poly-20. technic, Tırur
- 21. Swamy Nithyananda Polytechnic, Kanhangad
- III. WOMEN'S POLYTECHNICS
  - Women's Polytechnic, 1. Trivandrum
  - 2. Women's Polytechnic, Ernakulam
  - 3. Trichur Do
  - 4. Do. Calicut

#### IV. FINE ARTS

- 1 College of Fine Arts, Trivandrum
- R.V Institute of Fine Arts, 2. Mavelikkara
- Institute of Fine Arts, Trichur 3.
- V. SUPERVISORY DEVELOPMENT CENTRE KALAMASSERY

- 1. Sri C M. Venkateswaran " K.S Sreenivasa Naik " N. Ganapathy Iyer " A Chandrasekharan " V. Krishna Moosad " P. Alavikutty: " V K. Mohammed ,, N. K. Madhusoodanan ,, N. Ramachandra Pisharady " P. George John l. ,, M. Jayaraj 2. ,, K. Varadarajan (from 30-6-'1984 to 27-9-84) K K. Balakrishna Menon ** " K. Padmanabhakurup " V.K. Jawaharlal " N.K. Bahuleyan (Head of Section in-charge)
  - " N. Bhaskarakurup
  - P. Balan ,,
  - Francis C. Joseph. "
  - " K. Abdulla
  - ., V.V Nambiar
  - " Joseph Charles
  - " M. Narayanan
  - Smt P.P. Khadeeja
    - ", M. Venkateswaran
    - ", C.L. Porinchukutty
    - " T.A. Sukumara Menon
    - " V.S. Balakrishnan
    - " M. Rajendra Babu

- Name of head of Institution
- 2.
- 1.
- 2.

# Name of head of Institution

	Name of Institu	tion	Name of head of Institution
V1.	JUNIOR TECHNICA		Stand of near of institution
-	-		
1.	Junior Techni		
•	School	Nedumangad	•
2.	"	Attingal	" V. Surendran
3.		Adoor	" P.N. Mathew
4.	,,	Ezhukon <del>e</del>	,, L. Mathew
5.	,,	Shertallai	" P.C. Antony
6.	,,	Krishnapuram	" T.M. Joseph
7.	,,	Pampady	
			2. " T.I. Thomas (from 19-7-84)
8.	,,	Palai	" V.J. Kuriakose
9.	,,	Perumbavur	" T.D. Varunni
10.	33	Koratty	1. ,, R. Sidharaman Nair (upto
			31-5-'84)
			2. ,, R. Krishnankutty Nair (from 1-6-84 to 12-6-84)
			3. " P. K. Varkey (from
			13-6-'84)
11.		Kodungallur	DAC D ·
12.	**	Trichur	
12.	>>	Kunnamkulam	"C. Ramachandran "K.V. Dharmarathnam
14.	**	Chittur	"K.P. Krishnanunni Nair
15.	>>	Shoranur	" K. Venugopalan
16.	>>	Badagara 🛛	I. "O. Balakrishnan Nair,
		c	(Upto 25-6-1984)
-		4	2. ,, K.A. Kuriako (from 26-6-1984)
17.	دد	Calicut	"K.T. Kunhimoideen
18.	22	Cannanore	" A. Haridas
19.	>>	Mattannur	,, C.K. Gopalakrishna Pillai
20.	**	Cheruvathur	" K. Bhaskarapuduval 1. " P.A. Mohammed (upto
21.	23	Palghat	1. ,, P.A. Mohammed (upto 28-11-1984)
			2. " N. Ramachandran (from
			29-11-1984)
22.	**	Kuttippuram	"A. Ramachandran
23. 94	**	Sultanbattery Adimali	"C.K. Moosakoya 1. "T.T. Thomas (Upto
24,	27	numan	18-7-1984)
•			2. ,, C.J. Paul (1-8-1984 to
			10-12-1984)
		:	3. " P.V. Skaria (from 10-12-84)
18	34/7819		

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<ul> <li>25. Junior Technical Manantoddy Sri P.R. Katthikeyan School</li> <li>26. R Vannappuram 1. , P.V. Skaria (Upto 3-12-84) 2. , C.J Paul (continuing)</li> <li>27 , Kulathur (Neyyatunkara) , K. Lekshmanan 28 , Naruvambram , P.P Velayudhan Nambiai 29 , Teekoy , K.K. Mohammed Yousef 30 , Payyoh , K.V. Raveendian 31 , Mogral- 9 , Leanji 1. , T.D Varunny (Upto 21-8-1984)</li> <li>22 , R. Krishnankutty Nair (from 21-8-1984)</li> <li>23 , Kulathu- - puzha , S. Madhusoodanakumar 34 , Manjeri , K. Raman</li> <li>VII. Govt. Commercial Institute, 7 , Manjeri , K. Raman</li> <li>VII. Govt. Commercial Institute, 9 , Kathanano Sri V.A Joseph 10 , Kathanano Sri V.A Joseph 10 , Manjeri Sri K. Manantathanuni 11 , S. Ramadathanuni 12 , Mala Sri T.A Baby 9 , Palghat 1. , S. Ramadathanuni (upto 74-84) 10 , Manjeri Sri K. Moham Presad, G. (12-9-84 to 20-1-85) 2 , Aley, V.T.</li> <li>13. , Weenangadi , M. Sukumaran</li> </ul>		Name of Instituti	on Name of head of Institution
27       Kulathur (Neyyattınkara)       " K. Lekshmanan         28       " Naruvambram Teekoy       " K. Lekshmanan         29       " Teekoy       " K. Mohammed Yousef         30       " Teekoy       " K. Mohammed Yousef         30       " Teekoy       " K. Mohammed Yousef         31       " Mogral- puthur       " A P. Chakrapany         32       " Elanji       " T. D Varunny (Upto 21-8-1984)         33       " Kulathu- puzha       " S. Madhusoodanakumar (from 21-8-1984)         33       " Kulathu- puzha       " S. Madhusoodanakumar         34       " Manjern       " K. Raman         74       " Manjern       " K. Raman         9       " Kotha- mangalam       " S. Ramadathanunni         6.       " Etitumanoor Sri V.A Joseph         7.       " Ernakulam       Smt K. T. Suganth Smt K. T. Suganth         8.       " Mala       Sri T.A Baby         9.       " Palghat       1. " S. Ramadathanunni (upto 1-5-84)         10.       " Manjeri       Sri K. Mohammed Abdul Rahman         11_       " Quilandy       " K.P. Jyothiram         12_       " Taliparamba       " Mohana Prasad, G. (12-9-84 to 20-1-85)	25.		Manantoddy Sri P.R. Katthikeyan
<ul> <li>27 , Kulathur (Neyyattınkara) , K. Lekshmanan</li> <li>28 , Naruwambram , P.P. Velayudhan Nanibiai</li> <li>29 , Teekoy , K. Raveendian</li> <li>30 , Payyoh , K.V. Raveendian</li> <li>31 , Mogral- puthur , A.P. Chakrapany</li> <li>32 , Elanji 1. , T.D. Varunny (Upto 21-8-1984)</li> <li>2. , R. Krishnankutty Nair (from 21-8-1984)</li> <li>33 , Kulathu- puzha , S. Madhusoodanakumar</li> <li>34 , Manyeri , K. Raman</li> <li>VII. Govt. Commercial Institute,</li> <li>2. , R. Krishnankutty Nair Punalur , V Levakumar</li> <li>3. , Alleppey Smt. Rema Devi, B.</li> <li>4. , Ettumanoor Sri V.A Joseph</li> <li>5. , Kachiyar , M.Sukumaran (till 9-4-84)</li> <li>7. , Ernakulam Smt K T. Suganthin</li> <li>8. , Mala Sri T.A Baby</li> <li>9. , Palghat 1. , S. Ramadathanunni (upto 7-4-84)</li> <li>2. , C.E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. , Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. , Quilandy , K.P. Jyothiram</li> <li>12. , Aley, V.T.</li> </ul>	26 <u>-</u>	<b>1</b>	Vannappuram 1.,, P.V. Skaria (Upto 3-12-84)
(Neyyatunkara) "K. Lekshmanan Naruvambram "P.P Velayudhan Nambiai Payyoh "K.V. Mohammed Yousef W.K. Mohammed Yousef K.V. Mohammed Yousef W.K. Mohammed Yousef K.V. Raveendian Mogral- puthur "A.P. Chakrapany Leanji 1. "T.D. Varunny (Upto 21-8-1984) 2. "R. Krishnankutty Nair (from 21-8-1984) 33 34. "Manjeri "K. Raman VII. Govt. Commercial Institute, 34. "Manjeri "K. Raman VII. Govt. Commercial Institute, 35. "Network and the second 36. "Network and the second 37. "Network and the second 38. "Malleppey" Smt. Rema Devi, B. Etrumanoor Sri V.A. Joseph 5. "Kotha- mangalam "S. Ramadathanuni 6. "Kanchiyar" "S. Ramadathanuni 7. "Ernakulam Smt K.T. Suganth 8. "Mala Sri T.A. Baby 9. "Palghat 1. "S. Ramadathanuni (upto 7-4-84) 2. "C.E. Gopakumar (upto 1-5-84) 3. Smt. V. Indira (from 2-5-84) 10. "Manjeri Sri K. Mohammed Abdul Rahman 11. "Quilandy "K.P. Jyothiram 12. "Taliparamba 1. "Mohana Prasad, G. (12-9-84 to 20-1-85) 2. "Aley, V.T.		I.	2. "C.J Paul (continuing)
(Neyyattınkara) "K. Lekshmanan Naruvambram "P.P Velayudhan Namibiai "Payyoh "K.K. Mohammed Yousef 30 "Payyoh "K.V. Raveendian 31 "Mogral- puthur "A.P. Chakrapany 21-8-1984) 22 "R. Krishnankutty Nair (from 21-8-1984) 33 "Kulathu- puzha "S. Madhusoodanakumar 34 "Manjeri "K. Raman VII. Govt. Commercial Institute, 33 "Kulathu- puzha "S. Madhusoodanakumar 34 "Manjeri "K. Raman VII. Govt. Commercial Institute, 2 "Punalur "K. Raman VII. Govt. Commercial Institute, 3 "Alleppey Smt. Rema Devi, B. 5 "Kotha- mangalam "S. Ramadathanunni 6 "Kanchiyar "Mala Sri T.A Baby 9 "Palghat 1. "S. Ramadathanunni (upto 7-4-84) 2 "C.E. Gopakumar (upto 1-5-84) 3 Smt. V. Indira (from 2-5-84) 10. "Manjeri Sri K. Mohammed Abdul Rahman 11. "Quilandy "K.P. Jyothiram 12. "Aley, V.T.	27	35	Kulathur
<ul> <li>30 , Payyoh , K V Raveendian</li> <li>31 , Mogral- puthur , A P. Chakrapany</li> <li>32 , Elanji 1. , T.D Varunny (Upto 21-8-1984)</li> <li>33 , Kulathu- puzha , S. Madhusoodanakumar</li> <li>34 , Manjeri , K. Raman</li> <li>VII. GOVT. COMMERCIAL INSTITUTES</li> <li>1. J. S. Ramadathanunni</li> <li>6. , Kanchiyar , M.Sukumaran (till 9-4-84)</li> <li>7. , Ernakulam Smt K. T. Suganth</li> <li>8. , Mala Sri T.A Baby</li> <li>9. , Palghat 1. , S. Ramadathanunni (upto 7-4-84)</li> <li>2. , C.E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. , Manjeri Sri K. Mohammed Abdul Rahman</li> <li>11. , Quilandy , K.P. Jyothiram</li> <li>12. , Taliparamba 1. , Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. , Aley, V.T.</li> </ul>			(Neyyattınkara) " K. Lekshmanan
<ul> <li>30 , Payyoh , K V Raveendian</li> <li>31 , Mogral- puthur , A P. Chakrapany</li> <li>32 , Elanji 1. , T.D Varunny (Upto 21-8-1984)</li> <li>33 , Kulathu- puzha , S. Madhusoodanakumar</li> <li>34 , Manjeri , K. Raman</li> <li>VII. GOVT. COMMERCIAL INSTITUTES</li> <li>1. J. S. Ramadathanunni</li> <li>6. , Kanchiyar , M.Sukumaran (till 9-4-84)</li> <li>7. , Ernakulam Smt K. T. Suganth</li> <li>8. , Mala Sri T.A Baby</li> <li>9. , Palghat 1. , S. Ramadathanunni (upto 7-4-84)</li> <li>2. , C.E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. , Manjeri Sri K. Mohammed Abdul Rahman</li> <li>11. , Quilandy , K.P. Jyothiram</li> <li>12. , Taliparamba 1. , Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. , Aley, V.T.</li> </ul>		>7	Naruvambram " P.P Velayudhan Nambiai
<ul> <li>30 , Payyoh , K V Raveendian</li> <li>31 , Mogral- puthur , A P. Chakrapany</li> <li>32 , Elanji 1. , T.D Varunny (Upto 21-8-1984)</li> <li>33 , Kulathu- puzha , S. Madhusoodanakumar</li> <li>34 , Manjeri , K. Raman</li> <li>VII. GOVT. COMMERCIAL INSTITUTES</li> <li>1. J. S. Ramadathanunni</li> <li>6. , Kanchiyar , M.Sukumaran (till 9-4-84)</li> <li>7. , Ernakulam Smt K. T. Suganth</li> <li>8. , Mala Sri T.A Baby</li> <li>9. , Palghat 1. , S. Ramadathanunni (upto 7-4-84)</li> <li>2. , C.E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. , Manjeri Sri K. Mohammed Abdul Rahman</li> <li>11. , Quilandy , K.P. Jyothiram</li> <li>12. , Taliparamba 1. , Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. , Aley, V.T.</li> </ul>			Teekoy ,, K.K. Mohammed Yousef
<ul> <li>32 ", Elanji I. ", T.D. Varunny (Upto 21-8-1984)</li> <li>2. ", R. Krishnankutty Nair (from 21-8-1984)</li> <li>33 ", Kulathu- - puzha ", S. Madhusoodanakumar</li> <li>34 ", Manjeri ", K. Raman</li> <li>VII. GOVT. COMMERCIAL INSTITUTES</li> <li>1. " A Rahulam Smit K T. Suganthu Smit K T. Suganth</li></ul>		,	Payyoli ,, KV Raveendian
<ul> <li>32 ,, Elanji 1. ,, T.D. Varunny (Upto 21-8-1984)</li> <li>33 ,, Kulathu- - puzha ,, S. Madhusoodanakumar 34 ,, Manjeri ,, K. Raman</li> <li>VII. GOVT. COMMERCIAL INSTITUTES</li> <li>1. Mala State Rema Devi, B.</li> <li>1. S. Ramadathanunni (upto 7-4-84)</li> <li>2. , C E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>4. Manjeri Sti K Mohammed Abdul Rahman</li> <li>11. Munica Governa State Remain State Remain</li></ul>	731	,,	
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<ul> <li>33 , Kulathu- puzha , S. Madhusoodanakumar</li> <li>34 , Manjeri , K. Raman</li> <li>VII. Govt. Commercial Institute,</li> <li>1. Govt. Commercial Institute,</li> <li>2. , Punalur , R Krishnankutty Nair</li> <li>2. , Alleppey Smt. Rema Devi, B.</li> <li>4. , Ettumanoor Sri V.A Joseph</li> <li>5. , Kotha- mangalam , S. Ramadathanuni</li> <li>6. , Kanchiyar , M.Sukumaran (till 9-4-84)</li> <li>7. , Ernakulam Smt K T. Suganthi</li> <li>8. , Mala Sri T.A Baby</li> <li>9. , Palghat 1. , S. Ramadathanuni (upto 7-4-84)</li> <li>2. , C E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. , Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. , Malian Manjeri Sri K Mohammed Abdul Rahman</li> <li>12. , Taliparamba 1. , Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. , Aley, V.T.</li> </ul>			(from 21-8-1984)
<ul> <li>34. " Manjeri " K. Raman</li> <li>VII. Govt. Commercial Institute,</li> <li>1. Govt. Commercial Institute,</li> <li>2. " Punalur " ," K. Krishnankutty Nair " V Levakumar</li> <li>3. " Alleppey Smt. Rema Devi, B.</li> <li>4. " Ettumanoor Sri V.A Joseph</li> <li>5. " Kotha- mangalam " S. Ramadathanunni</li> <li>6. " Kanchiyar " M.Sukumaran (till 9-4-84)</li> <li>7. " Ernakulam Smt K T. Suganthi</li> <li>8. " Mala Sri T.A Baby</li> <li>9. " Palghat 1. " S. Ramadathanunni (upto 7-4-84)</li> <li>2. " C E. Gopakumar (upto 1-5-84)</li> <li>10. " Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. " Quilandy " K.P. Jyothiram</li> <li>12. " Taliparamba 1. " Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. " Aley, V.T.</li> </ul>	33		
<ul> <li>VII. GOVT. COMMERCIAL INSTITUTES</li> <li>1. Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. Mey, V.T.</li> </ul>		ł	– puzha ,, S. Madhusoodanakumar
<ol> <li>Govt. Commercial Institute,</li> <li>Trivandrum " R Krishnankutty Nair Punalur ", V Levakumar ", V Levakumar</li> <li>Alleppey Smt. Rema Devi, B.</li> <li>Alleppey Smt. Rema Devi, B.</li> <li>Stitumanoor Sri V.A Joseph</li> <li>Mala Sri V.A Joseph</li> <li>Mala Sri T.A Baby</li> <li>Mala Sri T.A Baby</li> <li>Mala Sri T.A Baby</li> <li>C E. Gopakumar (upto 1-5-84)</li> <li>Smt. V. Indira (from 2-5-84)</li> <li>Smt. V. Indira (from 2-5-84)</li> <li>Manjeri Sri K Mohammed Abdul Rahman</li> <li>Mala Sri T.A Baby</li> <li>Manjeri Sri K Mohammed Abdul Rahman</li> <li>Manjeri Sri K Mohammed Abdul Rahman</li> </ol>	34.	"	Manjeri ,, K. Raman
2Trivandrum Punalur MlleppeyR Krishnankutty Nair , V Levakumar3AlleppeySmt. Rema Devi, B.4EttumanoorSri V.A Joseph5Kotha- mangalam , S. Ramadathanunni , M.Sukumaran (till 9-4-84)6Smt K T. Suganthi Smt K T. Suganthi Smt K T. Suganthi Smt K T. Suganthi Smt K T. Suganthi (upto 1-5-84)8Mala PalghatSri T.A Baby 2.9PalghatI.10Manjeri RahmanSri K Mohammed Rahman11Quilandy TaliparambaK.P. Jyothiram12TaliparambaI.13Mohana Prasad, G. (12-9-84 to 20-1-85)1414151617181910111213141516171819	VII.	GOVT. COMMERCE	AL INSTITUTES
<ul> <li>2. " Punalur ", V Levakumar</li> <li>3. " Alleppey Smt. Rema Devi, B.</li> <li>4. " Ettumanoor Sri V.A Joseph</li> <li>5. " Kotha- mangalam ", S. Ramadathanunni</li> <li>6. " Kanchiyar ", M.Sukumaran (till 9-4-84)</li> <li>7. " Ernakulam Smt K T. Suganthi</li> <li>8. " Mala Sri T.A Baby</li> <li>9. " Palghat 1. " S. Ramadathanunni (upto 7-4-84)</li> <li>2. " C E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. " Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. " Quilandy ", K.P. Jyothiram</li> <li>12. " Taliparamba 1. " Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. " Aley, V.T.</li> </ul>	1.	Govt. Commercia	al Institute,
<ul> <li>2. " Punalur ", V Levakumar</li> <li>3. " Alleppey Smt. Rema Devi, B.</li> <li>4. " Ettumanoor Sri V.A Joseph</li> <li>5. " Kotha- mangalam ", S. Ramadathanunni</li> <li>6. " Kanchiyar ", M.Sukumaran (till 9-4-84)</li> <li>7. " Ernakulam Smt K T. Suganthi</li> <li>8. " Mala Sri T.A Baby</li> <li>9. " Palghat 1. " S. Ramadathanunni (upto 7-4-84)</li> <li>2. " C E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. " Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. " Quilandy ", K.P. Jyothiram</li> <li>12. " Taliparamba 1. " Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. " Aley, V.T.</li> </ul>			Trivandrum 🛛 ,, R Krishnankutty Nair
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<ul> <li>4. "" Ettumanoor Sri V.A Joseph</li> <li>5. "" Kotha- mangalam ", S. Ramadathanunni</li> <li>6. "" Kanchiyar ", M.Sukumaran (till 9-4-84)</li> <li>7. "" Ernakulam Smt K T. Suganthi</li> <li>8. "" Mala Sri T.A Baby</li> <li>9. " Palghat 1. " S. Ramadathanunni (upto 7-4-84)</li> <li>2. ", C E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. " Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. " Quilandy ", K.P. Jyothiram</li> <li>12. " Taliparamba 1. " Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. " Aley, V.T.</li> </ul>		>>	Alleppey Smt. Rema Devi, B.
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<ul> <li>6. " Kanchiyar " M.Sukumaran (till 9-4-84)</li> <li>7. " Ernakulam Mala Smt K T. Suganth</li> <li>8. " Mala Sri T.A Baby</li> <li>9. " Palghat I. " S. Ramadathanunni (upto 7-4-84)</li> <li>2. " C E. Gopākumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. " Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. " Quilandy " K.P. Jyothiram</li> <li>12. " Taliparamba I. " Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. " Aley, V.T.</li> </ul>	9,	>>	
<ul> <li>7. "," Ernakulam Smi K T. Sugantha Smi</li></ul>	6		
<ul> <li>8. "Mala Sri T.A Baby</li> <li>9. "Palghat I., S. Ramadathanunni (upto 7-4-84)</li> <li>2. "C E. Gopākumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. "Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. "Quilandy "K.P. Jyothiram</li> <li>12. "Taliparamba I. "Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. "Aley, V.T.</li> </ul>	7.		Kanchiyar ,, M.Sukumaran (till 9-4-84)
<ul> <li>9. "Palghat I., S. Ramadathanunni (upto 7-4-84)</li> <li>2. ", C E. Gopākumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. "Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. "Quilandy ", K.P. Jyothiram</li> <li>12. "Taliparamba I. ", Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. ", Aley, V.T.</li> </ul>			Mola Sat K T. Suganthi
<ul> <li>10. ", G. Kamadathahuhni (upto 7-4-84)</li> <li>2. ", C E. Gopakumar (upto 1-5-84)</li> <li>3. Smt. V. Indira (from 2-5-84)</li> <li>10. ", Manjeri Sri K Mohammed Abdul Rahman</li> <li>11. ", Quilandy ", K.P. Jyothiram</li> <li>12. ", Taliparamba 1. ", Mohana Prasad, G. (12-9-84 to 20-1-85)</li> <li>2. ", Aley, V.T.</li> </ul>			Palabat I S D I
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10.        Manjeri       Sri K Mohammed       Abdul         11.        Quilandy        K.P. Jyothiram         12.        Taliparamba 1.        Mohana Prasad, G.         12.         (12-9-84 to 20-1-85)         2.        Aley, V.T.			1-5-84)
11.       ,,       Quilandy       ,,       K.P. Jyothiram         12.       ,,       Taliparamba 1.       ,,       Mohana Prasad, G.         14.       ,,       (12-9-84 to 20-1-85)       2.       ,,         12.       ,,       Aley, V.T.	10.	-33	Manjeri Sri K Mohammed Abdul
12. " Taliparamba 1. " Mohana Prasad, G. (12-9-84 to 20-1-85) 2. " Aley, V.T.	11,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
(12-9-84 to 20-1-85) 2. ,, Aley, V.T.	12.	>>	
2. " Aley, V.T.	I.		(12-9-84 to 20-1-85)
			2. ,, Alev. V.T.
	134	>>	

STAFF POSITION 1984-85

	Staff strength									
Category of Institution	Ci	uss I	Class II		Class III		Cla.	ss IV		
	M	F	М	F	M	$oldsymbol{F}$	М	F		
Engineering Colleges :			,	, ·						
Government	104	15	224	38	265	34	58	19		
Private Regional Engineering College :	86	4	122 1	' 54	261	19	55	4		
Quasi Government Polytechnics	39	••	112	16	174	26	60	7		
Government	15	·	248	27	631	<b>9</b> 3	6 153	45		
Private	່ 6	••	131	12	215	31	75	12		
Women's Polytechnics	3	1	10	7	40	32	16	15		
(All Government)	••• 1	L	,	1 14			1 1 4			
Junior Technical Schools (All/Government).(2): (	<b>`••</b>	••	34	, 10 ••	<b>756</b>	122	<b>117</b>	18 • 0.		
Fine Arts Institutions (All Government)		••	15	••	55	8	12	2		
Government Commercial Institution	••	-	12	ł	38	21	21	11		
Government Pre-Vocational Training Centre	••	••	• •		95	39	15	4		
Quasi Government Food Crafts Institute]	1 6. 1	4 1 1 1 1 1 • •	' 2´	11	29	5	8			

Sl. No.	Category.	Name of the Institution	,	Location ,	Management	
(1) (2)		(3)		(4)	(5)	
I.	Engineering Colleges	College of Engineering	1	Trivandrum	Governmen	
	0 0 0	Engineering College	2	Trichur	**	
	ı	T. K. M. College of Enginee- ring	3	Quilon	Private	
		M. A. College of Engineering	4	Kothamangalam	,,	
		N.S.S. College of Engineering	5	Palghat	>>	
		Regional Engineering College	6	Calicut	Quasi Govt.	
II.	Polytechnics	Government Polytechnic	1	Kottayam	Governmen	
	•	33	2	Kalamassery	,,	
		33	3	Perinthalmanna	,,	
		33	4	Cannanore	,,	
		د د	5	Muttam	,,	
		,,	6	Palghat	"	
		>>	7	Kalpetta	,,	
		>>	8	Kothamangalam	,,	
		33	9	Palai	,,	
			10	Vennikulam	>>	
		Central Polytechnic	11	Trivandrum	>>	
		Kerala Government Poly- technic	12	Calicut	>>	
		Sree Rama Polytechnic	13	Valapad	25	
		Maharaja's Technological Institute	14	Trichur	25	

# Appendix 6 List of Technical Institutions in Kerala

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			S. N. Polytechnic N. S. S. Polytechnic Carmel Polytechnic Thiagarajar Polytechnic S. S. M. Polytechnic Swami Nityananda Polytechnic	ic	15 16 17 18 19 20	Kottiyam Pandalam Alleppey Alagappanagar Tirur Kanhangad	<b>Private</b> ,, ,, ,, ,,	
III.	Women's Po	lytechnic	Women's Polytechnic		1 2 3 4	Trivandrum Trichur Calicut Ernakulam	Governme ,, ,, ,,	
IV.	Printing Institute	Technology	Institute of Printing logy	Techno-	1	Shoranur	**	
v.	Junior Tech	nical Schools	Junior Technical Scho	ools	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Attingal Nedumangad Adoor Ezhukone Shertallai Krishnapuram Pampady Palai Perumbavoor Koratty Kodungallur Trichur Kunnamkulam Chittur Manjeri Shoranur Badagara	All Government	43

(	1)	(2)	(3)		(4)	(5)
				18	Calıcut	All Government
				19	Kuttipuram	,,
				20	Palghat	**
				21	Adımali Sələhəri Battarı	,,
				22 23	Sulthan Battery Cannanore	"
				29 24	Mattannur	**
				$\frac{29}{25}$	Cheruvathur	"
				26	Manantoddy	,,
				27	Vannapuram	>> 73
				28	Kulathu	>> >>
				13	(Neyyattinkara)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
				29	Payyoli	,,
				30	Mogral Puthur	"
				31	Elanji	33
				32	Kulathupuzha	"
				33 34	Teekoy Naruvambram	,,
VI.	Commercial	Institutos	Communa d'	34		"
• - •	Commercial	insuluces	Government Commercial Insti- tute	I	Trivandrum	Government
			tute	2	Punalur	• •
				3	Alleppey	**
				4 5	Ettumanur Kanchıyar	ود
				6	Einakulam	3.
				7	Kothamangalam	
				8	Mala	• •
				ğ	Norani	**
				10	Manjeri	,, ,
				11	Quilandy	,

44-

		Institute of Diploma in Short- hand and Typewriting	12 13 14	Meenangadi Taliparamba Trivandrum	>> >> >>
VII.	Fine Arts Institutions	College of Fine Arts Institute of Fine Arts do	1 2 3	Tvivandrum Mavelikkara Trichur	All Government
VIII.	Industrial/T.G.M. Cen- tres	Tailoring and Garment Mak- ing Training Centre	1 2 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 13 4 5 6 7 8 9 10 11 12 15 16 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Thodupuzha Edappally	

\$

(1)	(2)	(3)		(4)	(5)
			23 24 25 26 27 28 29 30 31	Manantoddy (SC/ST) Agali (SC/ST) Sholayar (SC/ST) Kallada (SC/ST) Vaithiri (SC/ST) Peermedu (SC/ST) Rajkkad (SC/ST) Melukavu (SC/ST) Kottayam	
		Tailoring and Tailoring Trade School	32	Haripad	
		do.	33	Devikulam	
		Government Industrial School	34	Irinjalakuda	
		do,	35	Vadakkancherry	
τχ.	Vocational Training	Tailoring Training Contres Weaving Training Centres Composing and Printing Centre	1 2 3 4 5 6 7 8 9 10	Parassala Pachallur Karumkulam Kanjiramkulam Maranallur Chırayinkil Chengannur Kandala Aralummodu Vattiyoorkavu	Government ,, ,, ,, ,, ,, ,, ,, ,, ,, ,

184				Book Binding Centre Do. Rattan Training Centre		11 12 13	Palkulangara Kulathur (Trivandr Paraniyam	u n)	<b>)</b> )
184/7811	x.	Pre-Vocational Centres	Training	Pre-Vocational Training tres	Cen-	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Attingal Cannanore Kodungallur Manjeri Nedumangad Mattannur Kunnamkulam Koratty Pampady Krishnapuram Ezhukone Chittur Shoranur Cheruvathur Badagara Perumbavoor Shertallai Adoor Palai	All	Government
	XI.	Food Craft Ins	titute	Food Craft Institute Food Craft Extension Cer Do.	ntre	1 2 3	Kalamassery Calicut Trivandrum		22 29 23

DISTRICI-WISE	DISTRIBUTION	Ô۶	TCOHNICAL.	INSTITUTIONS
7/13/1/10/1-11/10/2	191911010011011	<b>U</b> A'	T COLLEGE AND	

Category	Trivandrum	Qualon	Alleppey	Pathanam- thilla	Kollayam	Idukky	Ernakulam	Truchur	Palghat.	Malappurum	Calvert	14 ynad	Cannanore	Total	New
Engineering Colleges	1	1	••		•••	••	1	<u>í</u> 1	1	••	1	••	••	6	
Polytechnics	1	1	1	2	2	I	2	3	1	1	2	1	2	20	2
Women's Polytechnics	1	••	••	•	••	••	I	1	• '	••	1	••		4	
Institute of Printing Technology	۰.	••	••	••	••	••	۰.	••	1	• •	•:			I	-
Food Craft Institute	1	•	••	••	1		1	••	••	••	1	•	••	4	1
College of Fine Arts	I	••	•:	••	••	••	••	• •	••	••	•	· •	<b>\$+</b> 9	1	••
Institute of Fine Arts	•••	•:	ļ	••	•:	• :	• :	1	• :	•:	• :	•:	•:	2	***
Commercial Institute	2	I	I	•;	1 3	2 2	1	Ţ	1 3 2	Ĭ	Ĩ	1	1	14	6
Junior Technical School	3	2	2	Ţ	3	2	2	4	3	2	3	2	5	34	
Pre-Vocational Training Centre	2	I	2	Ţ	2	••	$\mathbf{I}^{c}$	3	2	1	1	••	3	19	
Industrial School	•:	••	••	• •	••	••	••	2	••	* *	••		••	2	••
Vocational Training Centre	5	••	•:		••	••	••	••	••	• •	• •			5	••
Tailoring Training Centre	6	- :	1		• :	••	••	••	•••	••	•••	••	••	7	••
Tailoring and Garment making training centre	1	2	••	••	2	4	3	3	3	5	2	2	3	21	••
Tailoring trade schools.	••	••	1	••	1		••	••			••		••	2	
$\mathbf{T} \mathbf{T} \mathbf{T} \mathbf{T}$ Extension centre		• •	••	••	••	1	••	••	••	••	••	<b></b>	••	1	••
Total	24	8	9	4	11	9	14	19	12	10	13	6	14	153	- 9

INTAKE CAPACITY AND COURSES-OFFERID

I. Engineering Colleges

-

A. Post-graduate courses

_	Course offered	Institute where ' offered	'-Intake
	(1)	(2)	(3)
1	Civil Engineering		
	1. Structural Engg.	Coll ge of Engineering, Trivandrum.	6.
		Regional Engineering College, Calicut.	10
	2. Hydraulics	College of Engineering, Trivandrum.	4
	3. Soil Mechanics	. 63	6
	<ol> <li>Public Health Engg.</li> <li>Transport and traffic</li> </ol>	 55	4
	Engineering	**	4
2.	Mechanical Engineering:		
	1. Heat power Engg.	College of Engineering, Trivandrum.	4
	2. Machine Design	College of Engineering, Trivandrum.	4
	3. Production Engg	Engineering College, Trichur.	6
	4. Refrigeration and Air conditioning	College, Calicut,	10
	5. Propulsion Engg,	College of Engineering, Trivandrum.	4
	6. Industrial refrigera- tion and cryogonic Engineering.	. T.K M College of Engr-	5
3.	Electrical Engineering:		
	I. Power system	College of Engineering, Trivandrum.	6
	2 Mechine Design	• <b>3</b> 9	4
	3. Control system	***	4
	•	Engineering College, Trichur.	6
		Regional Engineering College, Calicut.	10
	4. Navigation & Guidance	College of Engineering, Trivandrum.	4

	(1)		(2) (3)
Elec	ctronics and Tele-communicati	ion:	
1.	Microwave Engg.	College Trivan	of Engineering, 6
<b>.</b> 2.	Applied Electronics		,, 4
. Che	mical Engineering process con	trol:	
	Process control	Enginee Trichu	
	<b>B. Undergradu</b>	ate Cour	se
	Course	Intake	Where offered
	(1)	(2)	(3)
1. 2.	Civil Engineering Mechanical Engg.	565 570	All 6 Engineering Colleg
a 3.	Electrical Engg.	465	>> >>
4.	Electronics	115	Engineering Colleges
5.	Architecture	30	at Trivandrum (50) Trichur (30) Quilon (35) College of Engineerin
-	<b>~</b>		Trivandrum.
<b>.</b> 6.	Chemical Engineering	70	Engineering College, Trichur (50) T. K. M. Engineeri College, Quilon (20)
7.	Production-cum-plant Engineering	25	Engineering College, Trichur.
8.	Instrumentation and control system	20	N. S. S. College Engg. Palghat.
9.	Production Engg.	20	T. K. M. Engg. Colleg Quilon.
10.	Applied electronics & instrumentation	20	College of Engineerin Trivandrum.
- 11,	Industrial Engineering	15	>>
12,		15	Engineering College, Trichur.
13.	Computer Science	15	Engineering College, Trivandrum, Trichur T. K. M. College Engineering, Quilon. (15 each)

		(1)	(	2)	(3)
	1.	Civil Engineering		55	College of Engineering, Trivandrum (20) Engineering College, Trichur (20) T. K. M. College of Engineering, Qvilcn (15)
	2.	Mechanical Engg.	ę	55	Same as above.
	3.			55	»
	4.		2	20	College of Engineering, Trivandrum.
	5.	Chemical Engg.	2	20	Engg. College, Trichur
II.	Ca	llege of Fine Arts:			
	Do 1. 2. 3		า	30	College of Fine Arts, Trivandrum
III	р	otytechnics:			
		A, Post Diplor	na <i>c</i> a		105
	1.	Industrial electronics			
		industrial electronics	1	0	Central Polytechnic, Trivandrum.
	2.	Air conditioning and Refrigeration	10		Govt. Polytechnic, Kalamassery.
	3.	Foundry	1	0	M. T. I., Trichur.
	4.	Television		0	Central Polytechnic, Trivandrum.
	5.	Computer application	1	0	>>
		B. Dip	loma	Co	urses
1	1.	Civil Engineering	821		Polytechnics Except Palghat
2	2.	Mechanical Engineering	841	All	Polytechnics except Palai and Mallappally
3	3.	Electrical Engineering	721	All	except Palghat, Kanhangad, Palai and Mallappally
4	4.	Automobile Engineering	85	Ka	lamassery and Kanhangad
ţ	5.	Chemical Engineering	60		lamassery and Calicut
6	6.	Textile Technology	60	e	ntral Polytechnic, Trivandrum and Govt. Polytechnic, Cannanore

	(1)	(2)	(3)
7	Electronics	270	Central Polytechnic, Trivandrum Govt. Polytechnics, Palghat, Kothamangalam, Mallappally, Palai and S.S.M. Polytechnic, Tirur, Women's Polytechnic, Trichur, Calicut and Ernakulam.
8.	Polymer Technology	30	Govt. Polytechnic, Kottayam.
9.	Printing Technology	60	Institute of Printing Techno- logy, Shoranur.
10.	Instrument Technology	55	Women's Polytechnic, Trivandrum and Govt. Polytichnic, Palghat and Palai.
11	Commercial Practice	195	Women's Polytechnics at Trichur, Calicut, Trivandrum, Ernakulam and Govt. Poly- technic, Kottayam.
12.	Costume Design and Dressmaking	.90	Women's Polytechnics at Trichur, Trivandrum and Calicut
13.	Wood Technology	15	Govt. Polytechnic, Cannanoie
14.	Tool and Die Engine- ering	15	Govt. Polytechnic, Calicut
15.	Arcihtecture	15	Women's Polytechn:-, Ernakulam
	C. Part-t	ime Di _l	oloma Courses
1.	Civil Engineering	72	Central Polytechnic, Trivandrum, Govt. Polytech- nic, Kalamassery, M. T. I., Trichur and Govt. Polytech- nic, Calicut.
2.	Mechanical Engineering	g 72	Same as above
3.	Electrical Engineering	72	Do.
4.	Textile Technology	15	Central Polytechnic, Trivandrum.
	D. Certificate (	Courses	in Textile Technology
	Textile Technology	60	Central Polytechnic, Trivand- rum and Govt. Polytechnic, Cannanore.

<u> </u>	(1)	(2)	· (3)
	E. Craft (	Courses	in Polytechnic
n 2. La Ca	uttin and Basket naking .cquer: work .rpet and Durrie veaving	36	Central Polytechnic, Trivandrum
. Fu	ne Arts Institutions	60	Ravi Varma Institute of Fine Arts, Mavelikkara and Institute of Fine Arts, Trichur.
Foo	d Crafts Institute Certific	cate Cours	es:
1	Craftsmanship in Crockery	40	Food Craft Institute, Kalamassery and Extension Centre, Calicut and Trivandrum
2.	Craftsmanship in Bakery and Confectionary	15	Food Craft Institute, Kalamassery
3.	Canning and Food Preservation, Craftsmanship	15	Food Craft Institute, Kalamassery
4.	Hotel Reception and Book keeping Craftsmanship	40 ,	Food Craft Institute, Kalamassery, Extension Centre, Calicut and Trivandrum. ¹¹¹
-5.	Restaurant and Counter Scrvice	40'	do.
	B. She	ort Tér:	m Courses
1.	Cookery	40 '	Food Craft Institute, Kalamassery; Extension Centre, Calicut and Trivandrum
2.	Bakery and Confec- tionary	20	Food Craft Institute, Kalamassery
3.	Canning and Food Preservation	10	do

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And the second sec		
(1)	(9)	(3)
(1)	(4)	(3)
••		

# VI. Commerciat Institutions and Part-time Diploma.

S	t-time Diploma in horthand and Type- riting	30	Institute of Part-time Diploma Course in Typewriting and Shorthand, Trivandrum.					
	tificate Course In each Institute)	60	All Commercial Institutes					
VII. Sh	VII. Short-term (One year) Technical Course of Post S.S.L.C. level I.							
1.	Building Technology	30	Govt. Polytechnic, Calicut					
2.	Maintenance Techno- logy	30	Junior Technical School, Manjeri.					
3,	Welding Technology	30	Junior Technical School, Nedumangad.					
4.	Refrigeration and Airconditioning	30	Junior Technical School, Sherthalai					
5.	Highway Engineering	30	Govt. Polytechnic, Perinthalmanna					
6.	Public Health Engineering	30	Govt. Polytechnic, Kottayam.					
7.	Furniture Technology	30	Junior Technical School, Badagara, Cannanore.					
8.	Surface Furnishing Technology	30	Junior Technical School, Badagara.					
9.	Tailoring and Garment making	30	Junior Technical School, Mattannur					
10 <u>e</u>	Horology	15	Junior Technical School, Adoor.					
11.	Printing Technology	15	Junior Technical School, Kunnamkulam.					
12.	Forging	15	Junior Technical School, Shoranur.					
13.	Electronics	15	Junior Technical School, Cheruvathur.					
14.	Fibre reinforced plastic	20	Central Polytechnic, Trivandrum.					

	,	(1)	(2)	(3)	
Tw	o yea	r Courses:			
	1.	Book Binding Centre	60	Book Binding Centre, Palkulangara and Kulathur	
	2.	Rattan	15	Rattan Training Centre, Paraniyam	
	3.	Composing and Printing	30	Composing and Printing Centr Vattiyoorkavu	
	4.	Weaving	15	Weaving Training Centre, Aralumood.	
	5.	Tailoring and Embroidery	<b>`4</b> 0	Govt. Industrial Schools, Irinjalakuda and Wadakkancherry.	
One	yea	r Courses:		•	
	Tai n	loring and Garment naking	20 each	All Tailoring and Garment making Centres, Tailoring Trade School and Tailoring Training Centres.	

# VIII. Tailoring, Garment making Centres/Schools:

VOCATIONAL TRAINING CENTRES

IX. Junior Technical Schools:

In 34 J. T. School spread all over the State as given earlier about 31 different trades are offered with a total intake of 2060.

X. Pre-vocational Training Centre:

Training in about 20 trades are offered through Pre-vocational Training centres attached to Junior Technical Schools, Attingal, Manjeri, Kodungalloor, Cannanore, Nedumangad, Chittur, Cheruvathur, Kunnamkulam, Koratty, Pampady, Palai, Krishnapuram, Shertalai, Ezhukone, Shoranur, Adoor, Mattannur, Perumbavoor and Badagara. Total intake is 380.

XI. Vocational Courses at Plus 2 level is offered in various trades in the Junior Technical Schools at Cheruvathur, Attingal, Badagara. Kodungallur, Manjeri, Shoranur, Adoor, Pampady, Chittur, Mattannur, Palai, Ezhukone, Perumbavoor, Cannanore, Shertalai, Kunnamkulam, Koratty, Nedumangad and Krishnapuram.

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SCHOLARSHIP AND STIPENDS DURING 1984-85

		.1	Sch	Scholarship		nd
	Category of Institution	No. of Insti- tution	No. of students	Amount (Lakhs)	No of students	Amount (Lakhs)
1.	Government Engineering Colleges	2	487	14.43	2185	9.78
2.	Private Engineering Colleges	3	280	3.69	730	7.90
3.	Government Polytechnics	13	35	0.35	1910	13.60
4.	Private Polytechnics	6	25	0.25	1640	12.75
5.	Women's Polytechnics	4	35	0.17	615	- 1.77
6.	Junior Technical School	34	395	1.10	690	4.22
7.	Pre-vocational Training Centre	19		• •	498	1.58
8.	College of Fine Arts	1	••	••	74	0.43
9.	Fine Arts Institutions	2	l	0.01	64	0.30
10.	Food Craft Institute	3		••	95	0.59
11.	Government Commercial Institution	8	、 <b>••</b>	••	16	0.08
12.	T.G.M. Training Centre	35	••	••	85	0.80
13.	Vocational Training Centre	12	••	••	30	0.20

# Appendix 10 Hostel Facilities 1984-85

Sl. No.	Name of the Institution	No. of hostel Blocks	Intake (Sanctioned)
Engin	eering Colleges:		· ·
1.	College of Engineering, Trivandrum	3	500
2.	Engineering College, Trichur	3	356
3.	T. K. M. College of Engineering. Ouild	n 2	400
4.	N. S. S. College of Engineering, Palgha	at 3	385
5.	M. A. College of Engineerin Kothamangalam	g, 3	340
6.	Regional Engineering College, Kozhikoo	le 6	1160

# APPENDIX 10-(Contd.)

Sl. No.	Name of Institution	No. of hostel Blocks	Intake (Sanctioned)
Polyte	chnics:		
1.	Central Polytechnic, Trivandrum	1	180
2.	Government Polytechnic, Kottayam	1	100
3.	,, ,, Kalamassery	2	261
4.	M. T. I., Trichur	1	108
5.	Government Polytechnic, Perintalmann	a l	180
6.	Kerala Government Polytechnic, Calicut	: 2	280
7.	Government Polytechnic, Muttom	••	••
8,	Sree Rama Polytechnic, Valapad	••	••
9.	Government Polytechnic, Palghat	• •	••
10,	,, ,, Kalpatta	••	••
11.	,, Kothamangala	m	-
12.	", Cannanore	2	180
13.	S. N. Polytechnic, Kottayam	1	90
14.	N. S. S. Polytechnic, Pandalam	1	104
15.	Carmel Polytechnic, Alleppey	1	150
16,	Thyagarajar Polytechnic, Alagappanaga	r 2	270
17.	S. S. M. Polytechnic, Tirur	1	165
18.	Swamy Nityananda Polytechnic, Kanhangad	, 🛥	••
Wome	n's Polytechnics.		
1.	Women's Polytechnic, Calicut	1	70
2.	", ", Ernakulam	••	••
3.	", ", Trichur	1	80
4.	", ", Trivandrum	1	3 <b>3</b>

# NAME OF AGEN'S APPOINTED FOR THE SALE OF GOVERNMENT PUBLICATIONS IN THE KERALA STATE

- | S. Faul and Sons, Cannanore. 1
- (). Vital Prabhu, News Agent, Manjeswar. 2.
- 3. M/s K. R. Brothers, Calicut.
- 4. M/3 Moulavi Book Depot, Kasargode.
- Kouayı Gopalan, Tellicherry. 5
- Mis Touring Book Stall, Calicut. 6.
- M/s K. P. Ahmed Kunhi and Bros., Cannanore. 7.
- M/s George Press, Ottappalam. 8.
- M/s Pallipat Stores, Irmjalakuda. 9.
- M/s St. Joseph's Press, Perintalmanna. 10.
- M/s Travancore Law House, Ernakulam. 11.
- M/s P. K. Brothers, Huzur Road, Calicut. 12.
- M. V. Johnson, Law Book Seller, Near Civil Court, Tellicherry. 18.
- Manager, Higginbothams (Private) Ltd., Trivandrum. 14.
- M/s Current Books, Publishers and Book Sellers, Trichur. 15.
- 16. M/s The Educational Supplies, Book Seners, Publishers and Printers, Palghat.
- 17. A. and C. Stores, Dealers in Books, Kunnamkulam.
- i 'anager, Reddiar Press and Book Depot, Trivandrum. 18.
- N. Parameswaran Pillai, Stamp Vendor, Pulimood, Trivandrum. 19,
- M/s Educational Supplies, Depot, Trivandrum. 20.
- 21. M/s Jayachandra Book Depot, Chalai, Trivandrum.
- 22. S. Subramonia 1 (er, Book Seller and Stamp Vender, Kazhakoottam, Trivandrum,
- N. Parameswaran Pillai, Alum moodu Veedu, Stamp Vendor, Kottarakkara.
   S. Krishna Iyer, Stamp Venv or, Ayurveda College View, Trivandrum.
- 25. N. Neelakanta lyer, Stamp Vendor, Padmavilasam Street, Fort, Trivandrum, 26. Manager, K. V. Press and Book Depot, Main Road, Attingal.
- K. Bhaskaran Nair, News Agent, Trivandrum.
   Proprietor, Kerala Book House, Kodungalloor.
- 29. K. K. Raghava Menon, Popular Book Depot, Kodungalloor.
- C. M. Book Stall and Pub'tshers, Parayil, Kunnamkulam. 30.
- A. Jose, Proprietor, S. V. Press and Book Depot, Neyyatunkara. **S1.**
- 32. M. Paramanandan, Proprietor, Ambika Press and Book Depot, Neyyattinkara
- 33. The New Order Book Company, Ellis Bridge, Ahmedbad-6.
- 94. Mir Pai and Company, Broadway, Ernakulam-I.
- 35. S. Hartharakrishna Iyer, Vinayaka Book Stall, Pazhavangadi, Fort, Trivandrum.
- 30. K. P. Gopalan, Swaraj Book Stall, Court Road, Quilandy.
- 37. Ambat Sekara Menon, Proprietor, Menon Stores, Chittur, Cochin.
- 38. M. I. Abraham, News Agent and Book Seller. Punalur P. O. -
- 39.
- K. G. Thomas, K. V. Book Depot, Chengannur. C. L. Joseph, The National Stores and Book Sellers, Thana, Irinjalaks da. ю.
- N. Krishnamoorthy, Merchant Near Post Office, Manantody, 41,
- T. I. Joseph & Sons Prakasam Press and Book Depot, Main Road, Irinjalakuda, P. Radhakrishna Pillai, Sivavilasan, Kizhaklekara, Kottarakkara. 42.
- 43.
- 44. Vidyarambham Press and Book Depot (P) Ltd., Mullakkal, Alleppey.
- K. S. Kumara Pular, Sreekumar Stores, Nedumangad. 45.
- E. K. John, Stamp Vendor, C/o Popular Trading Co., Kottayam. 46.
- Secretary, Co-operative Printing and Publishing House Ltd. No. 736, (Mahatma-Press) Town Hall Road, Trichur. 47.
- 48. P. K. Chacko, Proprietor, Peckayee Trades, Kottayam,
- **49**. Managing Director, National Book Agencies (P) Ltd. Culcuita.
- 50. Janatha Book Stall, Near P. M. G's. Onice, Trivandrum.
- 51. Secretary, Govt. Servants Co-operative Society Ltd. No. A 2(8, Alleppey,
- 52. Manager, St. Thomas Press, Palar.
- δ3. The National Stores, Cannanore,

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- .54. K. Kunhambu, Bharath Printing Press, Kanhangad (P. O.), Cam anore.
- 55. N. Cheilappan Pillai, Naravana Press and Book Stall, Attingat
- 56. Koshy P. John, Vidhyarthi Mitram Press, & Book Depot, Kottayara.
- Y. Habeebulla, Proprietor, New Book Centre, Near Collectorate, Quiton-9. 57.
- Vijayakumar Jain, Prabhu Book Services, Guigaon, Hariyana. 53.
- 59. Haji Abdul Rahiman Sait, Meichant, Kesavadasapuram, Irivandrum-4.
- υÛ. M. Balan, Manager, City Book Stall, K. S. Road, Ottappalam.
- K. Kunhiraman, Manager, Jaya Stores, Vazhuthacaud, Irivandrum. P. N. Narayana Pillai, M. N. Printers, Adoor, Quilon district. bi.
- 62.
- 63. V. K. Noohu, Book Seller, Ansari Book Stall, Nilamel.
- n4. A. Naravanan Potti, Book Seller, Near Civil Station, Quilon-9.
- 65. G. Prabhakaran Nair, Manager, Premier Book House, Moovattupuzha.
- 66. Manager, Desabhimani Book House, M. G. Road, Trivandrum-1
- 67. K. V. Devassy, Manager, Perintalmanna Printing Works, Perintalmanna,
- 68. K Bhaskara Fillai, Prahila Book Depot, Attingal P O.
- ·69. K. A. George, Propuetor, Students Stores, 74/XII, Sub Jail Road, Alwaye.
- 70. V. K. N. Pittai, Polayil Veedu, Mangilkulangara, Quilon-12
- 71. V. Gopinathan Nair, Book Seller, Kacheri Junction, Nedumangad.
- 72. A. Poornambal, Proprietor, Bhagya Enterprises, M G Road Trivandrun-I.
- 73. M. C. Cheriyan, M. C. C. Book Depot, Chengannui,
- 74. M/s Radha Stores, Man Koad Shoranur-1
- 75, A. T. A. Mustafa, Mustafa Book Company, P.O. Payangad, Cannanor: district.
- 76. S. M. C. Mani, Babu Biothers Book Depot, R. S. Junction, Alwaye-1.
- 77. P. C. Chernyan, St Mary's Press and Book Depot, Changanacherry-I,
- 78. K. J. Cheriyan, Manager, Victory Book House, Moovattupuzha.
- 79. R. Radhakrishnan Nair. Propietor, Modern Books, Near Boat Jetty Road, Quilon.
- 80. Smt. K. Thankamma, M/s M G. Book Stall Kottayam.
- 81. M. A. Joseph, Propuetor, House of Knowledge Publishers and Books Sellers, Round South, Trichur.
- 82, V. Krishna Iyer, Retired R F.O., F C. 18/201, Valiachala, Trivandrum.
- M/s New Laches Fancy Centre, Manarghat, Trichur district. 83.
- **`84**, T V. Thomas Pameker, Indu Book Depot, Angamaly P.O., Ernakulam Dt.
- 85. M. M. Varghese, Proprietor, Book Centre, West Nada, Guruvayoor.
- 86. K. J. Raphel, Santha Book Stall, G. L. Road, Sultanpet, Palghat,
- 87. M/s Asoka Book Agency, 2/27, Roop Nagar, Delhi-110 007.
- 88. M/s St. Josepn's Book Stall, Convent Square, Alleppey.
- .89. N. Sadanandan, Proprietor, Sadananda Printers Publishers & Book Sellers' P. O. Alathur, Palghati
- 90, K. R. Sukumaran Nau, Sukumar Book Stall, I. C. 23/652, Thampsinoo: Tuvandrum
- / 91: V. G. Abraham, St. Thomas Press and Book Depot, Kozhencherry.
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- 93. P. Vasu, M/s P V. Boos Seller, Stationery and Boos Binders, S M Stree, Cancut-1
- 94. George Avosaran, Manager, Janatha Stores College Road, Titchui I.
- 95. M/s D. K. Book Organisation, 74-D, Anand Nagar, (Inter lock), Della-110 035,
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- 97. R. Viswanathan, Viswanatha Stores, P. O. Chelakkara, Irichui Di.
- 98. M/s Vijnanabhavan Book Stalt, Publishers and Book Sellers, Kayanak lam. Alleppey.
- 99. N. Krishnan Nair, Edupadical Puthen Veedu, Kanakada, Neyyaiunkara.
- 100. K. Mohanan, Proprietor, S. N. V. Press and Book De 201, Kortarakkara.
- 101 M/s Students Centre, Ottappalam
- 102. T. G. Jacob, Pavos House, Inchavila, Perinad, Quilou
- 103. K. Ah, Ah Stores, Badagara.
- 104. C. Paramesw man Nair, Ceepces Books and Periodicals, Trivandrum. Kanhamukku.

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- 110. M. P. Rajendran M/s Gift House, Convent Road, Badagara.
- A. P. Thankappan Nair, New College Book Stall, Book Sellers, Muvattupuzha. 111.
- P. Hamza, Premier Book Stall, Up hill, Oppo. Govt. Hospital, Manjeri Road, 112. Malappuram.
- P. R. Rajasekharan, Sree Lakshmivilasam Book Depot, Broadway, Ernakulam. 113.
- 114. K. T. Varkey, Sam Agencies, Ponkunuam.
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- 117. N. Bhoothalingom Pillai, Swamy Book Centre, Opp Ayurveda College, Trivandrum.
- 118. V. Ramakrishna Pillai, Proprietor, Raja Stores, Karunagappally.
- 119. N. E Balakesavan, Modern Book Centre, T. C. 26/1599 G.P.O. Junction, Trivandrum.
- 120. Proprietor, Book-Stall, S M Street, Calicut.
- 121. R. Velappan Pillai, Proprietor, Santha Book Depot, C.C.S.B. Board, Alleppey.
- 122 A. Narayanan Nair, Retired Deputy Secretary, to Govt., Block I (up stairs) Santhinagar, Trivandrum.
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- 125. M. M Job Book Centre, Ottappalam.
- M/s General Papers, Paper, Books & Stationery, Court Road, Perintalmanna. K. A. Mathew, S. H. Book Stall, Pandalam. 126.
- 127.
- 128. M/s Guru Book Stall, Palayam Road, Calicut.
- 129 M/s Sahitya Prayarthaka Co-operative Society, Proprietor of National Book Stall, Kottayam,
- 130. A. Sreedharan, Kottuvillil Veettil, Cheravallymuri, Kayamkulam.
- 131. Elsamma Josephi, Proprietor, Priva Stores Thodupuzha
- 132. T. Kanaran, Santha Stores, Court Road, Tellicherry
- 133 K. Thrivikraman Warrier, National Book Stall, Kayamkulam
- 134. V. Ayyappan Nair, Devi Book Stall, Kattakada, Trivandrum.
- 135. Executive Secretary, Kerala Caidamom Grovers Union, Giri Bhavan, Vandanmettu, Idukki,
- 136. Papcos Book Stall, Edodi, Badagara, Calicut
- 137. V. Sankarankutty Menon, S M. Book Stall, Irinjalakuda.
- Royal Agency, Camp Bazaar, Cannanore. 138.
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- N. Kumaran, Proprietor, Kumar Printers, Ottappalam 142
- 143. N. Elsy, Proprietor, Pitman's Trivandrum. Commercial Institute, Sasthamangalam,
- 144. M. J. Ponnamma, Book Seller, Krishna Mandiram, Kappıl Mukku. Kayamkulam
- 145. V. N. Gopinathan, Avithara Puthen Veedu, Venniyoor, Trivandrum.
- 146. Manager, Desabhimani Book House, K.S.R.T C. Bus Station, Alleppey.
- .147. Т Mohammed Hussan, Vadakke Panayullathil Parambil, Thiruvil, Ezhamkulam, Quilon. 148.
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- 160. N V. Yanga Raman, Proprietor, Swamy Law House, Dwara Swamy Iyer Road, Ernakulam
- 161. Alex Abraham, Proprietor of A-One Book House, Stamp Vendor, K. M. C. X/144 K. K Road, Kottayam.
- E. K. Sadasıvan Sastry, Proprietor of Students Book Centre, Private Bus Stand, 162. Shertallay P. O.
- M/s Vidhyarambam Publishers, Mullakkal, Alleppey. 163.
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- 166. M S. Kumar, Proprietor, Chandra Press & Book Depot Branch, Manjalikulam Road, Trivandrum
- 167. Radhakrishnan, R., Broprietor, Rehama Book Houses, Oochira.
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