

**ADMINISTRATION REPORT
OF THE
DEPARTMENT OF TECHNICAL EDUCATION
FOR THE YEAR 1991-92**

©
The Government of Kerala
1994



HIGHER EDUCATION (G) DEPARTMENT

**G.O. (P) No. 60/94/H.Edn., Thiruvananthapuram,
dated 13th April 1994**

Abstract.—Education—Technical—Administration Report of
Technical Education Department for 1991-92—
Reviewed.

Read.—Lr. No. L4-77375/91/DTE, dated 31st May 1993 from the
Director of Technical Education.

ORDER

1. Recorded.
2. Dr. R. Ravikumar acted as Director of Technical Education.
3. The Office of the Director of Technical Education was functioning in the ground floor of the Electricity Board building on the Power House Road.
4. The following institutions functioned under the direct control of the Department:—

<i>Sl. No.</i>	<i>Category</i>	<i>Government</i>	<i>Private</i>	<i>Quasi Government</i>	<i>Total</i>
(1)	(2)	(3)	(4)	(5)	(6)
1.	Engineering Colleges	4	3	2	9
2.	Polytechnics	16	6	1	23
3.	Women's Polytechnics	6	..	..	6
4.	Food Craft Institutes	..	..	6	6
5.	Institute of Printing Technology and Polytechnic	1	..	..	1
6.	College of Fine Arts	1	..	..	1
7.	Institute of Fine Arts	2	..	..	2
8.	Commercial Institutes	17	..	..	17
9.	Technical High Schools	47	..	1	48
10.	Pre-Vocational Training Centres	19	..	..	19
11.	Vocational Training Centres	5	..	..	5
12.	Tailoring Training Centres	7	..	..	7
13.	Tailoring Trade Schools	2	..	..	2

Sl. No.	Category	Government	Private	Quasi Government	Total
(1)	(2)	(3)	(4)	(5)	(6)
14.	Industrial Schools	2	..	..	2
15.	Tailoring and Garment Making Training Centres	33	..	..	33
16.	Technical Teachers Training	..	..	..	1
17.	Supervisory Development Institutes Centre	1	..	..	1
18.	Other Institutes	..	..	3	3
	Total	163	9	14	186

5. The State Board of Technical Education and Board of Studies in Engineering Colleges and Institutes of Technology continued to function during the year under review.

6. The total provision under the State Plan for the Department during 1991-92 was 612.32 lakhs. The total expenditure (tentative) under the State Plan till the end of March 1992 was Rs. 516.36 lakhs.

7. Under Centrally Sponsored Scheme expenditure was 155.43 against the provision of Rs. 133 lakhs.

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

Achievements

1. A new Engineering College was started during the year in Government sector in Kottayam to perpetuate the memory of late Prime Minister Sri. Rajiv Gandhi. The College functions as a higher Educational Centre of National importance offering most modern courses in Engineering Technology in the research facilities. Four courses were introduced during the year with an intake of 40 students in each course. The courses are Civil, Mechanical, Electrical and Electronics Engineering and Electronics and Communication Engineering.

2. Post Diploma Course in applied Electronics was introduced in Institute of Printing Technology, Shoranur and Computerised Design and Drafting was introduced in Government Polytechnic, Kalamassery.

The newly established Polytechnic at Neyyattinkara introduced Diploma Courses in Electronics and Avionics, Electronics and Instrumentation Computer Engineering and the Residential Polytechnic, Payyannur introduced Diploma Courses in Electronics and Communication, Computer Engineering Electronics and Instrumentation and Computer Application and Business Management.

3. Under Q.I.P. 33 faculty members at Postgraduate level and 8 members and at Doctoral level were deputed for higher studies.

4. *Plus-two Level Vocational Education.*—The courses are in Pre-degree level. 22 Technical High Schools are conducting the courses, in two Engineering disciplines at about 110 students are admitting every year. The duration of the courses is two years.

5. *Community Polytechnic Scheme.*—18 months training programme in Tailoring and Garment Making, Toy Making and Fibre Products Making was conducted at three Women's Polytechnics at Thiruvananthapuram, Thrissur and Kozhikode.

6. *Kerala State Science and Technology Museum, Thiruvananthapuram.*—The Kerala State Science and Technology Museum has a modern Planetarium with latest Japanese equipment having a seating capacity of 250. The Technological museum has a number of working model of high educational value and is visited by tourists, students of home State and from various other States apart from the public at large.

7. *Institute of Human Resources Development for Electronics.*—The Institute functions as a catalyst to foster the growth of Electronics, Computer and Allied Sectors, through innovative programmes. In order to achieve this objective, the institute was currently focussing its attention on the following thrust areas. Training of Special categories of Technical Manpower, Development of learning resources for Technical Training, Repairs and Maintenance of Health Care and Agro-Electronics equipment, Popularisation of Electronics and Computers. Training of trainers and training of rural youth for employment generation through Electronics. A model Technical High School was started during 1990 December at Ernakulam.

8. *L.B.S Centre for Science and Technology.*—The Centre undertakes consultancy work in Structural Engineering, foundation Design Computer, Software Development, Computer aided design Effluent treatment, Air Pollution Monitoring and other areas of Emerging. The Centre organises a number of specialised short term and long term courses in emerging areas of Technology. In addition to the regular training programme in Computer Programming and Console Operation in all major towns in Kerala the Centre is conducting Postgraduate Diploma Course in Computer Engineering at Thiruvananthapuram, Kollam, Thrissur and Palakkad.

9. *Audio Visual and Reprographic Centre.*—The Centre functions as Resource Centre for all the Technical Institutions in Kerala in the matter of Audio Visual aids. Printing and Supply of instructional materials, lending of Educational films and training of staff in the use of audio visual, reprographic and printing equipments. Although the main emphasis has been on the achievements of technical education through modern and up-to-date visual and reprographic aids, the inclusion of limited commercial activities has almost made it a self supporting organisation.

10. *World Bank Assisted Technician Education Project.*—Under World Bank Assisted Technician Education Project two new Polytechnics, one at Neyyattinkara and the other at Payyanur were sanctioned under the Project. Four diploma programmes under multi point entry and credit system were introduced in each of the Polytechnics. New Post-Diploma Courses have been introduced in three Polytechnics. Under Staff Development Programme for Polytechnic teachers, Government have issued orders for deputation of staff for B. Tech. and M. Tech. programme. A total of 35 teachers have been selected and deputed for the courses as detailed below:

1. M. Tech.	..	4
2. M. Tech. (Part-time)	..	4
3. B. Tech.	..	9
4. B. Tech. (Part-time)	..	18

22 teachers have been selected and deputed for Dip. T.T. and 18 teachers for Postgraduate Diploma in Teaching Computer Science and applications at T.T.T.I., Madras. Both these courses are of one year duration. Seven Senior Principals of Polytechnics were selected and deputed for a ten day's training programme on Management of Technical Institutions at Administrative Staff College of India, Hyderabad. Curriculum Development Centre had organised a workshop for the Revision of Curriculum for the following Post Diploma Courses during May 1991:

1. Television Engineering
2. Refrigeration and Air Conditioning.

Requirement of furniture for various Polytechnics for the year 1991-92 was ascertained and accordingly furniture worth Rs. 33 lakhs were procured. 4.29 hectares of land for construction of building for Government Polytechnic, Vennikulam was acquired. Land acquisition for Government Polytechnic, Neyyattinkara and for hostel and staff quarters for M.T.I., Thrissur was in the final stage.

11. *Polytechnic Teacher Award for I. S. T. E.*—Sri T. S. Balasubramonian, Head of Section in Chemical Engineering, Government Polytechnic, Kalamassery was awarded the best polytechnic teacher award for 1992 by the Indian Society for Technical Education.

12. *Examination results.*—The department was able to conduct the examinations in Engineering/Technology and Diploma/Certificate level in time and publish results as scheduled.

13. *Apprenticeship training.*—The placement and training wing of the Directorate looks after the Special Training Programmes and Apprenticeship Training for Degree and Diploma holders in Engineering in the State. There is a subsidiary office at Kalamassery to help the placement and training activities of the Department with the co-operation of the Regional Apprenticeship Adviser (S.R.), Madras.

14. *Training in Foremen Training Institute, Bangalore.*—The Department sponsors diploma holders to the Foremen Training Institute, Bangalore every year. During the year 10 Diploma holders in Mechanical Engineering from general category and 5 diploma holders from Scheduled Caste/Scheduled Tribe category were selected by the Director for the course.

15. *Self-employment courses for unemployed women.*—With a view to promote self-employment among unemployed women of Scheduled Caste/Scheduled Tribe and 18 months training programme in tailoring and garment making, Toy making and Fibre products making was conducted at three Women's Polytechnics at Thiruvananthapuram, Thrissur and Kozhikode.

16. The total outlay for both Plan and non-Plan for the department is 2,725.57 lakhs. During the year the total expenditure comes to Rs. 2,825.00 lakhs. In addition to this there was a provision of Rs. 133 lakhs under Centrally Sponsored Schemes 100 per cent and expenditure comes to Rs. 155.43 lakhs. The amount provided under the plan was for the various schemes of developmental activities of Technical Education. The amount under Non-Plan was mainly for the salaries and other expenses for staff and related activities.

17. The working of the department during the year under review was on the whole satisfactory.

(By order of the Governor)

SUDHA PILLAI,
Secretary to Government.