DIRECTORATE OF TECHNICAL EDUCATION

THIRUVANANTHAPURAM

No. DTETVM/3685/2025-L4 (PLA) **Dated: 13-07-2026**

CIRCULAR

Sub: -Higher Education - Directorate of Technical Education - Plan Budget 2026-27 -Outlay,Earmarking and Write up - reg:-

Ref:-State Pre - Revised Plan Budget 2026-27

In connection with the State **Pre - Revised Plan Budget 2026-27**,the Budget documents including the plan scheme write- up &plan budget outlay with component - wise earmarking of funds is hereby enclosed for your information and reference.

BUDGET OUTLAY&EARMARKING OF FUNDS

Expenditure shall be limited to the outlay provided for each scheme in the budget and according to the funds earmarked under various scheme components as per the annexures attached.

BUDGET WRITE - UP

Plan budget scheme activities shall be implemented only in accordance with the scheme objectives and for schene activities as mentioned in the budget write - up (Write - up in English is attached)

SANCTION FOR PLAN SCHEMES

Heads of institutions shall issue sanction for proposals under the plan scheme " Development of Institutions" only as per the delegation of powers entrusted in accordance with the government rules in force.Proposals shall be forwarded to the Department for necessary approval in case of all other plan schemes in the budget.

All proposals submitting to this office must specifically mention the relevant head of account,name of the scheme and the component/sub component of the scheme based on the nature/purpose of proposal. For MW, M&E,M&S& OC, seperate proposals must be submitted.

Manpower Requirements for implementing plan schemes such as Research Initiatives , PPP mode schemes,TPLC & PAT centres etc requires Government Sanction and to be submitted as a seperate proposal.

Digitally signed by Jayaprakash P
Date: 13-07-2026 11:46:24

Dr JAYAPRAKASH P
DIRECTOR

To,

1. Head of all Institutions/Offices (Through the website www.dtekerala.gov.in)

BUDGET DOCUMENT

2026 - 2027

DIRECTORATE OF TECHNICAL EDUCATION

L A

GOVERNMENT OF KERALA

FOURTEENTH FIVE YEAR PLAN

2022-2027

FIFTH YEAR'S PROGRAMME
REVISED BUDGET
2026-2027

Volume II
(Part-2)

BRIEF DESCRIPTION OF PROGRAMMES

TYPESET BY FINANCE DEPARTMENT AND PRINTED BY THE SUPERINTENDENT OF GOVERNMENT PRESSES
AT THE GOVERNMENT PRESS, VAZHOOR— 2026.

DEPARTMENT OF TECHNICAL EDUCATION

PLAN BUDGET - SCHEME COMPONENTS - FUNDS EARMARKED - 2026-27

A. SCHEMES (STATE PLAN)

Sl No	Name of Scheme	Head of Account	BUDGET OUTLAY 2026-2027 (Rs. in Lakhs)		
			Revenue 2203/ 2205	Capital PWD 4202	Total
1	2	3	4	5	6
R1	Strengthening of the Department	2203-00-001-93	128		220
C1	Strengthening of the Department	4202-02-800-83		92	
R2	Teaching Learning Enhancement & Skill gap reduction	2203-00-003-89	1080		1080
R3	Development of All Engg. Colleges	2203-00-112-41	1500		3000
C2	Development of All Engg. Colleges	4202-02-105-81		1500	
R4	Development of All Polytechnic Colleges	2203-00-105-79	1938		3800
C3	Development of All Polytechnic Colleges	4202-02-104-99		1862	
R5	Technical High Schools	2203-00-103-99	410		820
C4	Technical High Schools	4202-02-103-99		410	
R6	College of Fine Arts	2205-00-101-94	172		360
C5	College of Fine Arts	4202-04-101-99		188	
R7	Enhancement of Academic Ambience	2203-00-001-92	800		800
R8	Research Initiatives	2203-00-004-93	613		613
R10	Schemes Coming under PPP mode	2203-00-112-56	40		40
R11	CSS for Polytechnic Colleges (100%CSS)	2203 - 00-105-74 (100% CSS)	1		1
	TOTAL (A)		6682	4052	10734

DIRECTORATE OF TECHNICAL EDUCATION

BUDGET PROVISION 2026-27

CAPITAL HEAD

SL.No	Head of Account	Name of Scheme	Amount (Rs.In Lakhs)
1	4202-02-800-83	Strenghtening of Department	92
2	4202-02-105-81	Development of All Govt.Engineering Colleges	1500
3	4202-02-104-99	Development of All Govt.Polytechnic Colleges	1862
4	4202-02-103-99	Development of All Govt.Technical Highschools	410
5	4202-04-101-99	College of Fine Arts	188
TOTAL			4052

DIRECTORATE OF TECHNICAL EDUCATION
BUDGET PROPOSAL 2026-27 (PLAN)

(Rs.in lakhs)

SL. No.	Plan 2024-25 / Head of account	Salaries	04 Travel Expense		"09"	"12"	"17"	"19"	"24"	"34 OC[3]"		TOTAL
			Tour TA	LTA	Grant	SS	MW	M&E	M&S	OI		
1	**2203-00-001-93 Strengthening of the Department**										128	128
2	**2203-00-001-92 Enhancement of Academic Ambience**										800	800
3	**2203-00-003-89 T-L Process Enhancement & Skill Gap Reduction**	1033.29								46.71		1080
4	**2203-00-004-93 Research Initiatives**										613	613
5	**2203-00-103-99 Development of All Govt. Technical High Schools**									410		410
6	**2203-00-105-79 Development of All Govt. Polytechnic Colleges**						872.1	135.66	232.56	697.68		1938
7	**2203-00-105-76 Centrally Sponsored Schemes for Polytechnic Colleges (50% CSS) (CS+SS)**										1	1
8	**2203-00-107-92 Merit-cum-means based sch.for minorities for professional & technical courses (100%CSS)**											
9	**2203-00-112-56 Schemes coming under PPP Mode**										40	40
10	**2203-00-112-41 Development of All Govt. Engineering Colleges**	84.08					164.89	333.65	74.69	842.69		1500
11	**2205-00-101-94 College of Fine Arts**						46.44	46.44	27.52	51.6		172
	Total	**1117.37**	**0**	**0**	**0**	**0**	**1083.43**	**515.75**	**334.77**	**2048.68**		**6682**

സ്റ്റേറ്റ്മെന്റ് IV

STATEMENT IV

2026-27-ലെ പദ്ധതി അടങ്കലുകളിൽ വരുത്തിയ ഭേദഗതികളുടെ വിശദവിവരം

DETAILS OF MODIFICATIONS OF PLAN OUTLAYS FOR 2026-27

സംസ്ഥാന പദ്ധതികൾ

STATE PLAN

(രൂപ ആയിരത്തിൽ (Rs. in Thousands)

ബഡ്ജറ്റ് എസ്റ്റിമേറ്റ് 2026-27 Budget Estimates 2026-27

കോഡ് നമ്പർ Code No.	പദ്ധതിയുടെ പേര് Name of Scheme		കണക്കിനം Head of Account	നിലവിലുള്ള വിഹിതം Existing Outlay	ഭേദഗതി (കിഴിവ്) Alteration(-)	ഭേദഗതി (വർദ്ധനവ്) Alteration(+)	പുതുക്കിയ വിഹിതം Revised Outlay
(1)	(2)		(3)	(4)	(5)	(6)	(7)
	9.3 സാങ്കേതിക വിദ്യാഭ്യാസം Technical Education						
TEN 005	കൊച്ചി ശാസ്ത്ര സാങ്കേതിക സർവ്വകലാശാല (കുസാറ്റ്)	Cochin University of Science and Technology (CUSAT)	[XVII] 2203-00-188-99	332500	-97500	0	235000
TEN 006	ടെക്നിക്കൽ ഹൈസ് സ്കൂളുകളുടെ വികസനം	Development of Technical High Schools	[XVII] 2203-00-103-99	57500	-16500	0	41000
TEN 006	ടെക്നിക്കൽ ഹൈസ് സ്കൂളുകളുടെ വികസനം	Development of Technical High Schools	[XVII] 4202-02-103-99	57500	-16500	0	41000
TEN 007	മാനവശേഷി വികസന ഇൻസ്റ്റിറ്റ്യൂട്ട്	Institute of Human Resources Development	[XVII] 2203-00-112-60	400000	-110000	0	290000
TEN 014	കേരള സംസ്ഥാന ശാസ്ത്ര സാങ്കേതിക മ്യൂസിയം	Kerala State Science and Technology Museum	[XVII] 2203-00-112-61	307000	-57000	0	250000
TEN 016	ഫൈൻ ആർട്സ് കോളേജുകൾ, തിരുവനന്തപുരം, മാവേലിക്കര, തൃശ്ശൂർ	Fine Arts Colleges,Thiruvananthapuram,Mavelikkara and Thrissur	[XVII] 2205-00-101-94	21000	-3800	0	17200
TEN 016	ഫൈൻ ആർട്സ് കോളേജുകൾ, തിരുവനന്തപുരം, മാവേലിക്കര, തൃശ്ശൂർ	Fine Arts Colleges,Thiruvananthapuram,Mavelikkara and Thrissur	[XVII] 4202-04-101-99	23000	-4200	0	18800
TEN 031	എൽബിഎസ് സെന്റർ ഫോർ സയൻസ് ആൻഡ് ടെക്നോളജി	LBS Centre for Science and Technology	[XVII] 2203-00-112-58	95800	-25800	0	70000
TEN 032	കേരള സംസ്ഥാന നൂതന അച്ചടി പരിശീലന കേന്ദ്രം (സി-ആപ്റ്റ്) ധനസഹായം	Centre for Advanced Printing andTraining (C-apt) - Grant-in-Aid	[XVII] 2203-00-800-91	64900	-14900	0	50000
TEN 045	സെന്റർ ഫോർ എഞ്ചിനീയറിംഗ് റിസർച്ച് ആൻഡ് ഡവലപ്മെന്റ്	Centre for Engineering Research and Development	[XVII] 2203-00-112-72	30000	-6000	0	24000

സ്റ്റേ ്മെന്റ് IV

STATEMENT IV

2026-27-ലെ പദ്ധതി അടങ്കലുകളിൽ വരുത്തിയ ഭേദഗതികളുടെ വിശദവിവരം

DETAILS OF MODIFICATIONS OF PLAN OUTLAYS FOR 2026-27

സംസ്ഥാന പദ്ധതികൾ

STATE PLAN

രൂപ ആയിരത്തിൽ
(Rs. in Thousands)

ബഡ്ജറ്റ് എസ്റ്റിമേറ്റ് 2026-27
Budget Estimates 2026-27

കോഡ് നമ്പർ	പദ്ധതിയുടെ പേര്		കണക്കിനം	നിലവിലുള്ള വിഹിതം	ഭേദഗതി (കിഴിവ്)	ഭേദഗതി (വർദ്ധനവ്)	പുതുക്കിയ വിഹിതം
Code No.	Name of Scheme		Head of Account	Existing Outlay	Alteration(-)	Alteration(+)	Revised Outlay
(1)	(2)		(3)	(4)	(5)	(6)	(7)
TEN 059	കേരള ടെക്നോളജിക്കൽ യൂണിവേഴ്സിറ്റി (ഡോ.എ.പി.ജെ. അബ്ദുൾ കലാം ടെക്നോളജിക്കൽ യൂണിവേഴ്സിറ്റി)	Kerala Technological University(Dr.A.P.J.Abdul Kalam Technological University)	[XVII] 2203-00-188-98	261000	-71000	0	190000
TEN 075	തിരുവനന്തപുരം എഞ്ചിനീയറിംഗ് കോളേജിൽ സയൻസ് ആന്റ് ടെക്നോളജി റിസർച്ച് പാർക്ക് (ടെസ്റ്റ്)	Trivandrum Engineering Science and Technology Research Park (TREST)	[XVII] 2203-00-112-57	40000	-8000	0	32000
TEN 085	എല്ലാ സർക്കാർ പോളിടെക്നിക്കുകളുടെയും വികസനം	Development of all Government Polytechnics	[XVII] 2203-00-105-79	249900	-56100	0	193800
TEN 085	എല്ലാ സർക്കാർ പോളിടെക്നിക്കുകളുടെയും വികസനം	Development of all Government Polytechnics	[XVII] 4202-02-104-99	240100	-53900	0	186200
TEN 108	എല്ലാ സർക്കാർ എഞ്ചിനീയറിംഗ് കോളേജുകളുടെയും വികസനം	Development of all Government Engineering Colleges	[XVII] 2203-00-112-41	212500	-62500	0	150000
TEN 108	എല്ലാ സർക്കാർ എഞ്ചിനീയറിംഗ് കോളേജുകളുടെയും വികസനം	Development of all Government Engineering Colleges	[XVII] 4202-02-105-81	212500	-62500	0	150000
TEN 113	വകുപ്പിന്റെ ശക്തിപ്പെടുത്തൽ	Strengthening of the Department	[XVII] 2203-00-001-93	15700	-2900	0	12800
TEN 113	വകുപ്പിന്റെ ശക്തിപ്പെടുത്തൽ	Strengthening of the Department	[XVII] 4202-02-800-83	11300	-2100	0	9200

സ്റ്റേറ്റ്മെന്റ് IV

STATEMENT IV

2026-27-ലെ പദ്ധതി അടങ്കലുകളിൽ വരുത്തിയ ഭേദഗതികളുടെ വിശദവിവരം

DETAILS OF MODIFICATIONS OF PLAN OUTLAYS FOR 2026-27

സംസ്ഥാന പദ്ധതികൾ

STATE PLAN

രൂപ ആയിരത്തിൽ
(Rs. in Thousands)

					ബഡ്ജറ്റ് എസ്റ്റിമേറ്റ് 2026-27 Budget Estimates 2026-27	
കോഡ് നമ്പർ Code No.	പദ്ധതിയുടെ പേര് Name of Scheme	കണക്കിനം Head of Account	നിലവിലുള്ള വിഹിതം Existing Outlay	ഭേദഗതി (കിഴിവ്) Alteration(-)	ഭേദഗതി (വർദ്ധനവ്) Alteration(+)	പുതുക്കിയ വിഹിതം Revised Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)
TEN 114	അദ്ധ്യാപനം - പഠന നിലവാരം ഉയർത്തലും നൈപുണ്യ വിടവ് ലഘൂകരിക്കലും Teaching - Learning Process Enhancement and Skill Gap Reduction	[XVII] 2203-00-003-89	135000	-27000	0	108000
TEN 115	അക്കാദമിക് അന്തരീക്ഷം മെച്ചപ്പെടുത്തൽ Enhancement of Academic Ambience	[XVII] 2203-00-001-92	100000	-20000	0	80000
TEN 116	ഗവേഷണ സംരംഭങ്ങൾ Research Initiatives	[XVII] 2203-00-004-93	72000	-10700	0	61300
TEN 125	ജവഹർലാൽ നെഹ്റു സയിൻറിഫിക് സിറ്റി * Jawaharlal Nehru Scientific City	[XVII] 2203-00-112-39	0	0	100000	100000
	ആകെ Total		**2939200**	**-728900**	**100000**	**2310300**

FOURTEENTH FIVE YEAR PLAN
2022-27

FIFTH YEAR'S PROGRAMME
REVISED BUDGET
2026-27

VOLUME – II
(PART – 2)

BRIEF DESCRIPTION OF PROGRAMMES

9.3 TECHNICAL EDUCATION

The total outlay of ₹ 23211.00 lakh is provided for Technical Education for the year 2026-27. Importance has been given for the research initiatives and academic excellence.

1. Cochin University of Science and Technology (CUSAT)

(Outlay: ₹ 2350.00 lakh)

Cochin University of Science and Technology was established in 1971 for the development of higher education with particular emphasis on post graduate studies and research in applied science, technology, industry and commerce. Though plan fund can be utilized for the augmentation of infrastructural facilities, major projects for plan fund is provided with emphasis on academic restructuring and curriculum development. The major activities proposed during the year 2026-27 are:

1. Ecofriendly and Safety Measures
    - Fire and Safety for Building/Labs
    - Sewage treatment Plant
    - Water distribution/recycling/rain harvesting system
    - Waste disposal and treatment of effluents
    - Green Protocol/Green campus
    - Safety audit
    - General Campus Development
2. Civil works
    - Extension to the existing building of School of Legal Studies
    - Indoor Stadium
    - Extension of Instrumentation building
    - Construction of compound walls and roads
    - Vertical extension to environmental science building
    - Vertical extension of IUCND building
    - Construction, renovation and extension of boys hostels
    - Construction, renovation and extension of ladies hostels
    - Vertical extension to department of Polymer Science and Rubber Technology
    - Vertical extension of students amenity centre
    - Vertical Extension of Integrated PG Building
    - Vertical Extension of New Generation Programmes Building
    - Ladies Hostel for SC/ST & Backward Communities
    - Building at Marine Science Campus
    - Canteen Building
    - Swimming cum Diving Pool
    - Implementation of Single Point Tariff in CUSAT Campus
    - Enhancement of Substation to Accommodate Future Load
    - Construction and maintenance of roads in campus
    - Completion of other ongoing works
3. Other Academic Activities
    - Purchase and repair of computers and equipment

- Purchase of furniture
- Purchase of books and journals
- Automation and Software Development
- Seminars/Conferences/Science popularization
- Content Development
- Seed money for new research initiatives
- Assistance for existing centres including Inter University Centres
- Incentive to Research Scholars
- Data Centre
- Lab facility for new integrated programme
- Repair and renovation of the academic and non-academic buildings
- University MOOC development
- Faculty and student mobility scheme
- Digitalization of journals and reports
- Travel assistance to students to present research papers in conferences
- Establishing Centre of Excellence and its Infrastructure for Aquatic Vaccine Development
- Courses under project mode
- PFMS/DEAS/Accounting training & other staff training
- Digitising admissions and campus management system
- Security auditing & network auditing
- Institutional accreditation and ranking
- Gender sensitivity
- Skill development
- Fostering International Outreach
- Smart Campus
- Setting up of a Science Museum in Cochin University
- Herbal Garden

The already started civil works should be completed before starting new constructions. The utilization of funds should serve the overall objective of enhancing academic excellence. This may involve the creation of infrastructure (including academic infrastructure) as well as other investments. An amount of ₹ 2350.00 lakh is provided for these activities during the year 2026-27. Out of this amount ₹ 400.00 lakh is earmarked for strengthening of the existing centres and ₹ 100.00 lakh is earmarked for establishing the centre of excellence. Out of this amount 20% is expected to be benefitted exclusively for girls.

2. Kerala Technological University (A.P.J Abdul Kalam Technological University)

(Outlay: ₹1900.00 lakh)

The Govt. of Kerala has established the Kerala Technological University in July 2014. The major activities proposed for the year 2026-27 are setting up of schools, design and innovation centre, Internal Quality Assurance Cell, Centre for International Collaborations and linkages, strengthening academics in affiliated colleges, skill based programmes and industry linked courses, university-industry linkage cell, examination reforms, social outreach/extension activities, university library/books and journals, e-resources, centres of

excellence for innovative research and collaborative research, digital library and library assistance schools, startups and innovation centre with special focus on women start-ups & IPR/Patents, cloud computing facility for research, special programmes to enhance employment projects of the students with economic hardships, maintenance and up gradation of temporary campus, research and research promotion schemes, collaborative research, strengthening IT infrastructure & operational services to improve university functioning, student/staff amenities, faculty development programme, PG Scholarship for M.Tech students in university colleges etc.

The already started civil works should be completed before starting new constructions. The utilization of funds should serve the overall objective of enhancing academic excellence. This may involve the creation of infrastructure (including academic infrastructure) as well as other investments. The outlay can also be used for meeting department share for implementing pooled fund for special projects under Scheduled Caste Sub Plan/Tribal Sub Plan by SC/ST departments.

An amount of ₹ 1900.00 lakh is provided for these activities during the year 2026-27. Out of the total amount ₹ 100.00 lakh is earmarked for establishing the centre of excellence. Out of this amount 20% is expected to be benefitted exclusively for girls.

3. Centre for Engineering Research and Development (CERD)

(Outlay: ₹ 240.00 lakh)

The Centre for Engineering Research and Development functioning at College of Engineering, Thiruvananthapuram creates an intellectually live atmosphere of research among the faculty of engineering colleges in the state. The centre acts as an agency for the promotion and strengthening of several new areas of research and will coordinate the research and development activities in the engineering colleges. The centre will focus on basic research as well as high end research in the field of engineering. Major activities proposed during 2026-27 are incentive for research publication, innovative student project, facilitating research paper presentation within India and abroad, research seed money, research fellowship, best researcher award/grant, best research award, research promotion activities, screening committees and other meetings, satellite centre, conduct of workshops/seminars in the college, students travel grants scheme, Kerala Technological congress (KETCON & KTU Tech Fest TEKCON) etc.

An amount of ₹ 240.00 lakh is provided for the scheme in 2026-27. Out of this amount 40% is expected to be benefitted exclusively for girls.

4. Public University Campus Construction and Development (Setting up of infrastructural facilities and new campus for Technological University)

(Outlay: ₹ 1.00 lakh)

This scheme aims to construct a residential campus for the University which can create an academic ambience for grooming the students and to carry out research. The major activities under this scheme during 2026-27 are construction of academic block, internal roads, compound wall, digital recording studio and staff quarters in the KTU campus at Vilappilsala, Thiruvananthapuram, establishment of Centre of Excellence in AI and Robotics at Model engineering College campus, Thrikkakkara. An amount of ₹ 1.00 lakh is provided

as a token provision for the scheme and the additional funds required for the implementation of the scheme will be released from the outlay provided under the head "Major Infrastructural Development Projects," depending on actual requirement for 2026-27 under the scheme Public University Campus Construction and Development.

5. LBS Centre for Science and Technology

(Outlay: ₹ 700.00 lakh)

LBS Centre for Science and Technology started an engineering college at Kasargod during 1992-93. Another engineering college for women was started at Thiruvananthapuram during the period 2001-02. Major activities during 2026-27 are up gradation of lab infrastructural facilities at LBS headquarters, regional units and sub centres, up gradation of various departments, civil/electrical work/maintenance, common facility, civil construction works at LBS centres, purchase of library books, fire and safety, student projects etc. Outlay can also be utilized for up gradation of various engineering departments and maintenance works at LBS Poojappura and Kasargod and other developmental and ongoing activities.

An amount of ₹ 700.00 lakh is provided to the centre during 2026-27. Out of this amount 50% is expected to be benefitted exclusively for girls.

6. Centre of Excellence in Disability Studies

(Outlay: ₹ 65.00 lakh)

The Centre of Excellence in Disability Studies is intended to act as the nodal agency for the purpose of teaching, research, training and outreach programme for students with different abilities. LBS would be continuing as the nodal agency for the working of the centre. An amount of ₹ 65.00 lakh is provided for the developmental activities such as research assistance to students and faculties, skill development training programmes, setting up of virtual reality class room, counseling services, publications and other ongoing activities during 2026-27.

7. Centre for Advanced Printing & Training (C-APT)

(Outlay: ₹ 500.00 lakh)

Centre for Advanced Printing & Training (C-APT) formerly known as Kerala State Audio Visual and Reprographic Centre formed in the year 1992 is functioning as a resource centre for all technical and non-technical institutions in Kerala. It conducts job oriented courses in printing and modern reprographic equipment. The amount is provided for infrastructure development including e-infrastructure, purchase and maintenance of machines, equipment, transportation facilities and other ongoing works.

An amount of ₹ 500.00 lakh is provided for implementing the schemes during 2026-27.

8. Kerala State Science and Technology Museum (KSSTM)

(Outlay: ₹ 2500.00 lakh)

Science and Technology Museum was started in 1984 with a view to popularize the different aspects of science and technology. The major activities during the year 2026-27 are:

1. Developmental activities of KSSTM Thiruvananthapuram Campus - development of new galleries, e-office implementation, maintenance of existing galleries, assistance for

outreach activities and dissemination of science & technology, revamping of existing planetarium etc.

2. Developmental activities of Regional Science Centre, Chalakkudy – development of new galleries, maintenance of existing galleries, pending infrastructure development for the planetarium etc.
3. Science City Kottayam – installation of motion simulator, musical fountain, waste management, landscaping, campus networking, monitoring mechanism, sewerage system, completion of works etc.
4. Regional Science Centre, Parappanangadi – development of new galleries, maintenance and landscaping of campus, pending infrastructure development of the existing building etc.
5. Establishing Science museum at Kottarakkara
6. Other ongoing works

An amount of ₹ 2500.00 lakh is provided for the scheme during 2026-27. Out of this an amount of ₹ 300.00 lakh is set apart for establishing the Science museum at Kottarakkara.

9. Institute of Human Resources Development (IHRD)

(Outlay: ₹ 2900.00 lakh)

IHRD was established in 1987 as an autonomous body fully owned and controlled by State Government. There are nine engineering colleges, seven model polytechnics, 46 colleges of applied sciences, 15 technical higher secondary schools, two regional centres, six extension centres and two model finishing schools under IHRD. The major developmental activities during the year 2026-27 are:

- Construction and infrastructure activities
- Purchase of machinery furniture for existing institutions
- IT based infrastructure and Technology Business Incubators
- Setting up of new institutions/Centre of Excellence in Assistive Technology
- Skill Development centres
- Industry at campus
- Infrastructure for Campus Industrial Park Project at 5 IHRD Institutions

An amount of ₹ 2900.00 lakh is provided for the year 2026-27. Out of this, 25% is expected to be benefited exclusively for girls. A part of the outlay can also be utilized for the functioning of centre of excellence and IHRD college of Applied Science at Pinarayi Educational Hub. The outlay can also be used for meeting department share for implementing pooled fund for special projects under Scheduled Caste Sub Plan/Tribal Sub Plan by SC/ST departments.

10. Trivandrum Engineering Science and Technology (TrEST) Research Park

(Outlay: ₹ 320.00 lakh)

Trivandrum Engineering Science and Technology (TrEST) Research Park is established to enhance Industry - Institute interaction and to promote fundamental and applied research. The Research Park incorporates and encourages interactions between companies, mentors, investors, service providers, government entities and large corporations, as well as CET's talent pool to inspire and create innovation. Fund provided in 2026-27 are

for operational cost of EV drive train lab, centre for materials research and development related to Electric Vehicles, computing resources upgradation and AMC support, equipment and software purchase for ERC-lab upgradation, Annual Maintenance Cost, purchase of new server and AMC, setting up of nano wet lab and instrumentation lab and space cost to accommodate research units, Nurture and Align (F-DNA) programme, innovation in sustainable material etc.

An amount of ₹ 320.00 lakh is provided for the year 2026-27 for the functioning of the Centre.

11. Performance Based Infrastructural Development (Infrastructure Development of Trivandrum Engineering Science and Technology (TrEST) Research Park)

(Outlay: ₹ 1.00 lakh)

An amount of ₹ 1.00 lakh is provided during 2026-27 as a token provision for the implementation of the scheme under the head, 'Major Infrastructure Development Projects' and under the scheme of Performance Based Infrastructural Development. Additional amount required for the implementation of the scheme during 2026-27 can be utilized from the scheme under the head, 'Major Infrastructure Development Projects'. The amount is earmarked for setting up of infrastructure facilities in TrEST Park.

Directorate of Technical Education

There are nine Government Engineering Colleges, three Govt. aided Engineering Colleges, 46 Government Polytechnic Colleges (including seven Women's Polytechnic Colleges), six Govt. aided Polytechnic Colleges and 39 Technical High Schools functioning under the Directorate of Technical Education (DTE). DTE co-ordinates various activities of engineering colleges (government and aided), polytechnics and technical high schools with the aim of maintaining the standards of curricular and co-curricular activities. In order to enhance the quality of technical education, various schemes and programmes are being taken up. Opportunities are being offered to teachers and students to interact with the experienced and expert academicians and also to visit the various leading educational institutions all over the world. Provision has also been made for waste disposal and greening the campus.

12. Strengthening of the Department

(Outlay: ₹220.00 lakh)

The Scheme is formulated as a combination of the continuing plan schemes of previous years related to strengthening of the department. An amount of ₹ 220.00 lakh is provided for the following components during 2026-27.

a) Directorate of Technical Education, RDTE Offices & Examination Wing (JCTE Office)
b) Human Resources Development (SITTTR, Kalamassery)

a) Directorate of Technical Education, RDTE Offices & Examination Wing (JCTE Office)

This component is for the development of the Directorate of Technical Education, Thiruvananthapuram, and the offices of the Regional Joint Director of Technical Education at Kozhikode, Kothamangalam and Office of the Joint Controller of Technical Examinations at Kaimanam, Thiruvananthapuram.

The scheme is for the overall development of the department and for the effective implementation of the Digital Document Filing System (DDFS) and other e-Governance and e-training activities, viz, (1) Office modernization including restructuring, furnishing, office equipment etc. (2) Upgrading of network & procurement of computer for the implementation of e-governance and e - training in the DTE's office in the Directorate (3) Digitization of old paper records (4) Software modification, examination modernization and accounting (5) online question paper delivery system and (6) capacity building of staff. Bio-metric punching system need to be set up at all government institutions and provision for the same is also provided. Fund has also been provided for continuance of Green protocol, amenities for differently abled and non - conventional energy initiatives along with proper utilization of water resources, waste water management, solid waste management and energy conservation. The State Board of Technical Education (SBTE) had come into existence in 2012 and got revamped in 2018. The functioning of the unit need to be accelerated and for this provision for infrastructure development is also made under the scheme.

b) Human Resources Development (SITTTR, Kalamassery)

The State Institute of Technical Teachers Training and Research (SITTTR) is functioning at Kalamassery as the academic wing of the Directorate of Technical Education. SITTTR plays a pivotal role in ensuring the academic standards of Polytechnic education in the state through curriculum development, faculty development, academic monitoring, admission to three year diploma course and providing support to all other project implementation in the Polytechnics. The centre also revises the curriculum of all other technical programmes under the Directorate of Technical Education other than engineering colleges periodically, on a scientific basis as per the technological advancements and latest market requirements.

The State Institute of Technical Teachers Training and Research is envisaged to undertake the following activities under the human resource development component during 2026-27

- Conduct of curriculum evaluations of revision 2023 of polytechnic colleges, revision of curriculum of Govt. Commercial Institutes and Govt. Institutes of Fashion Designing, Implementation of revised curriculum of Technical High Schools, curriculum revision in other Kerala Government Certificate Examination (KGCE) and Kerala Government Technical Examination (KGTE) in the state.
- Academic Inspection of Polytechnic Colleges, Govt. Commercial Institutes, Govt. Institutes of Fashion Designing and Technical High Schools in the state.
- Development of learning resource materials, printing and publication of materials for effective teaching learning process.
- Conduct admission for the Polytechnic Colleges, Technical High Schools, Government Institutes of Fashion Design and Government Commercial Institutes in an online web-based manner including diploma programme (evening).
- Conduct of national/state level seminars/conference in the areas of Technical Education/Emerging areas of Science and Technology.
- Conduct Open house, student project/seminar competitions and awarding certificates and prizes

- Infrastructure development including procurement and minor works.

13. Teaching- Learning Enhancement & Skill Gap Reduction

(Outlay: ₹ 1080.00 lakh)

The Scheme is formulated as a combination of the continuing plan schemes related to teaching learning enhancement and aimed to reduce the skill gap, a major concern in the technical education scenario. An amount of ₹ 1080.00 lakh is provided for the following components during 2026-27. Out of this amount, nearly 50% is expected to be benefitted exclusively for girls/women.

a. Faculty Development in Engineering and Polytechnic Colleges
b. Industry Institute Interaction Cell (IIIC)
c. Academic Staff College & State QA Centre
d. Placement and Training
e. Additional Skill Development Programme (ASDP)
f. Scholar Support Programme
g. Punarjjani
h. Technology Business Incubation Centres in Polytechnics and Engineering Colleges
i. Student Affairs and Counseling Centre (SAAC)
j. Scheme for Her Empowerment in Engineering Education (SHE)
k. Kerala Transforming Engineering Education for Knowledge Economy (K-TEEN)

a. Faculty Development in Engineering and Polytechnic Colleges

The outlay provided is mainly to take care of the faculty development in engineering colleges and polytechnic colleges through full time and part time M.Tech and Ph.D programmes. Expenditure in connection with the sponsoring of teaching staff of Engineering colleges and Polytechnic Colleges for higher studies, supporting staff to attend conferences, conducting seminars and short term courses in the Engineering colleges and Polytechnic colleges, etc. are envisaged in the scheme.

b. Industry Institute Interaction Cell (IIIC)

The Industry Institute Interaction Cell is intended to facilitate the professional development of the students of Govt. Engineering colleges, Polytechnic colleges, Fine Arts Colleges and other Institutions under the Directorate of Technical Education tuned to the specific requirements of the institutions.

The specific requirements of the institutions are enlisted as below.

- Training to students and faculty members on the latest technology and industrial know-how by utilizing the services of eminent faculty from nationally reputed institutions and professionals from industries.
- Mentoring of research and academic activities in institutions utilizing the services of professionals/senior academicians through the adjunct faculty scheme
- Extending support to the institutions for organizing programmes and certified training programmes in newly emerging areas
- Encouraging the Engineering Colleges, Polytechnic Colleges and Fine Arts Colleges to sign Memorandum of Understanding (MoU) with well - established Government

and private sector undertakings for availing exposure on the latest industry practices and standards.

- Pre-employment training for students of engineering colleges and polytechnic colleges as well as activities of the Career Guidance and Placement Cells in the institutions
- Conduct of induction programmes for the first year students of all institutions. Under IIIC, it is also envisaged the establishment of Human Resource Development (HRD) Cell in institutions to groom the students into confident professionals who can understand and provide solutions to the needs of society by developing their creative talents and giving specific care to their mental/emotional well-being. Providing financial assistance to needy students, especially from GCIs and GIFDs under the directorate, going for internships, is also part of the scheme

c. Academic Staff College & State Quality Assurance Cell

Academic Staff College (ASC) is expected to keep pace with the constant flow of information and knowledge, to update the knowledge base and outlook of the teachers at regular intervals and to stimulate the academic environment for promotion of teaching and research in higher education institutions. Mainly two types of activities are envisaged through ASCs-orientation programmes and refresher courses. It shall have full-fledged facilities to conduct two residential training programmes simultaneously and for national/international seminars and workshops. The facilities provided include an e-library and reference centre. Also, the capacity building of the administrative staff is brought under ASC. In tune with the Government policy on training, this scheme envisages transforming employees in the Directorate and other institutions under its jurisdiction into fully developed, duty conscious competent and motivated persons. The twin dimensions of the capacity building scheme are (i) overall personality development by including trainings on stress resilience, time management, emotional intelligence, understanding the public concerns and developing the attitude of service mindedness and (ii) enhancing the domain knowledge including sessions on service rules and regulations, e-tender, e-governance and series of case study workshops to get deep understanding and clarity on exercising the rules and regulations. The trainings are organized at the training institutes in the state as well as at the prominent national institutes.

It is also proposed to construct an academic staff college. The academic staff college is required to organize trainings in synchronization with the State Quality Assurance Cell, with the objective of quality enhancement of the institutions.

State Quality Assurance Cell (SQAC)

The Primary aim of the State Quality Assurance Cell (SQAC) is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of institutions The SQAC has to ensure that whatever is done in the institutions for "education" is done efficiently and effectively with high standards. In order to do this, the SQAC will have to first establish procedures and modalities to collect data and information on various aspects of institutional functioning.

d. Placement and Training

The scheme is meant for imparting apprenticeship training to graduates and diploma holders every year through various industries and organizations and giving stipends for diploma holders and graduates working as apprentice trainees in the department. The main objectives of this scheme are to organise centralised interviews at various centres in Kerala to select apprenticeship trainees and to conduct awareness and training programmes for the staff and students of polytechnic colleges for improving the effective placement activities.

e. Additional Skill Development Program (ASDP)

The main objective of this scheme is to conduct various skill training programmes for unemployed and financially backward youth of all segments with focus on marginalised segments of the society at Government Engineering colleges. It was proposed to establish Skill Development Training Centres in all Government Engineering Colleges by starting at least one skill training programme in each institution suitable for the society. The trainees are paid with monthly stipend, tool kit and awarded with certificate of competency after successful completion. The expenditure included honorarium to faculty, cost of materials, stipend to the participants etc. for each programme

f. Scholar Support Program

The main objective of this programme is to conduct remedial classes for needy students belonging to all categories at institutions under Directorate of Technical Education to improve academic level. To cater the requirement of the large number of students who are academically weak in engineering colleges and polytechnics, remedial classes are being conducted for various subjects. This would ensure better pass percentage. The scheme is to be implemented through all government engineering colleges, polytechnics and technical high schools. Amount is also provided for remuneration to faculty in engaging coaching, expenses for light refreshment to the students, expenses for providing learning materials to the students etc.

g. Punarjjani

Punarjjani, as the term denotes, a unique programme designed by National Service Scheme- Technical cell, Kerala to rejuvenate the discarded and unusable instruments, tools and other materials. The project aims at restoring and reinstating the assets of institutions such as government hospitals, engineering colleges, polytechnics and similar government institutions. The plumbing, sanitation and waste management, electrical repairing etc. are also targeted under the scheme.

h. Technology Business Incubation Centres in Polytechnics and Engineering Colleges

This scheme is to promote entrepreneurial attempts by the students in campuses by establishing Technology Business Incubator in all Engineering colleges and Polytechnic colleges in the State. The main objectives proposed are promoting innovation among budding engineers, commercialise the on-going research, spot and nurture entrepreneurial talents from among the students, conduct entrepreneurship development programmes for students and faculty, professionals employed in the industry and individuals through TBIs. Amount is provided for expanding TBICs in all potential institutes, creation of infrastructural facilities, creation of additional cubicles, training and awareness programmes, biometric access control and security cameras, additional furniture and computers etc.

i. Student Affairs and Counseling Centre (SACC)

In the present world which is increasingly volatile, uncertain, complex and ambiguous, student support systems are essential for taking care of mental/emotional wellbeing of students. Mechanisms are also required to develop the creative talents of students and mentor them to become confident, well balanced individuals able to contribute to the needs of the society. Establishing SACC in all engineering colleges, polytechnic colleges, colleges of fine arts and technical high schools is aimed to address these issues.

j. Scheme for Her Empowerment in Engineering Education (SHE)

Scheme for Her Empowerment in Engineering Education (SHE) has been initiated at GEC Kannur. The SHE program proposes to enable girl students to realize how much potential they have and provide support they require to become great leaders in technical fields. All the activities of SHE are in alignment with the vision 'To create professionally successful and personally fulfilled Women Engineers', catering to girls aspiring to be engineers, girl students undergoing engineering courses and women engineers. In 2026-27, the department extended the scheme to all higher education institutions under DTE. Accordingly, funds are allocated for various programs under SHE initiative.

k. Kerala Transforming Engineering Education for Knowledge Economy (K-TEEN)

The broad objective of this program is for filling the gaps in the existing schemes to accelerate the development of knowledge economy through technical education in the State. The other objectives are innovation, patent, technology transfer and research translation support, engineering technology for society, institutional strengthening by introduction of constituent colleges, enhancement of gross enrolment ratio through inclusion addressing extreme poverty and mobility of industrial professional to academic institutions and faculty to industry.

14. Development of all Government Engineering Colleges

(Outlay: ₹ 3000.00 lakh)

The Scheme is formulated as a combination of the continuing plan schemes related to development of all Government Engineering Colleges in the State, including infrastructure development and overall quality improvement. An amount of ₹ 3000.00 lakh is provided for the following components during 2026-27:

a. Development of Engineering Colleges
b. Centralized Resource Management System (Education Resource Centre)
c. Research Scholarship in all Engineering Colleges
d. Quality Improvement Centres in Engineering Colleges
e. Accreditation of Engineering Colleges
f. Technical Education Quality Improvement Programme (TEQIP phase II)

35% is expected to be benefited exclusively for girls. The outlay can also be used for meeting department share for implementing pooled fund for special projects under Scheduled Caste Sub Plan/Tribal Sub Plan by SC/ST departments.

a. Development of Engineering Colleges

The major components of the scheme include various civil construction works and other activities such as construction of new buildings, development of class rooms, workshops and community auditorium, providing library facilities, laboratories, hostel facilities, augmentation of drinking water system, sewage treatment plant, student amenity centres in all engineering college campuses, converting engineering colleges into Centre of Excellence, mini industrial units/IoC, setting up of bio-metric punching system, continuance of green protocol and non-conventional energy initiatives, proper utilisation of water resources, waste water management, solid waste management and energy conservation, amenities for persons with different abilities, offering postdoctoral fellowships, funding for attending international/national conferences for faculty, signing MoU with leading institutes/industrial houses and for meeting additional manpower requirements etc.

b. Education Resource Centre (Centralized Resource Management System)

The knowledge/learning management system supports the creation, organization, storage, dissemination and preservation of the digital information assets of Engineering Colleges and Polytechnic Colleges. It is proposed to set up a Centralized Resource Management System for coordinating curricular, co-curricular and research activities of all institutions under the Directorate. The centre will act as a common digital platform for sharing learning resources, library, software, and coordinating different research initiatives/activities taking place in all institutions. Also, the scheme aims to develop content in all subjects and create a repository of all research work, expert lectures and video conferencing done in institutions, addressing the present day need of virtual class rooms and online teaching. The items proposed in 2026-27 under this programme include fully featured digital media studio, public addressing system, e-journal, networking, providing server and LAN to host e-resources related to career guidance and soft skill training and procurement of engineering content learning software etc.

c. Research Scholarship in all Engineering Colleges

It is proposed to continue to award research scholarships to selected students in engineering colleges for their excellence in research work to improve in-house research activities. The research scholarship is awarded to PhD students and to M.Tech students to enhance the research ambiance. Selection of the students for the award of scholarship will be decided by a committee decided by the Directorate of Technical Education. It is also proposed to award scholarship to M. Tech students who do not have GATE scholarship, from among the eligible M.Tech students and the selection of the candidates will be by the committee for the purpose.

d. Quality Improvement Centres in Engineering Colleges

Quality Improvement Centres are functioning in College of Engineering Thiruvananthapuram, Govt. Engineering College, Thrissur and in RIT Kottayam, in which faculty in Engineering Colleges have the opportunity to undergo PhD programmes. The other six engineering colleges are identified as research centres by KTU and it is proposed to extend the scheme to all Govt. Engineering Colleges in the State. The existing laboratories,

workshops, library facilities etc. are to be enhanced. Residential facilities for the QIP research scholars are also to be constructed.

e. Accreditation of Engineering Colleges

Accreditation of Colleges increases employability and Higher Education chances. International visibility and national level recognition also are linked to accreditation. Industries conducting campus interviews are always emphasising the quality of engineering students. Accreditation makes more confidence and self-esteem in faculty and students. It will also make more employability. Moreover the Technical Education provided from these institutions will be of value, competent to National and International standards. In addition to the above AICTE has mandated that new programmes will be sanctioned only to the institutions having accreditation. The amount is provided for improving facilities in colleges and other preparatory works for getting accreditation of NBA.

f. Technical Education Quality Improvement Programme (TEQIP phase II)

Technical Education Quality Improvement Programme (TEQIP) is a project of Govt. of India to improve academic standard and infrastructure facilities. In the first phase of TEQIP five engineering colleges were selected and project had been implemented in the period 2003-2009. In TEQIP phase- II, 19 engineering colleges are selected. Under TEQIP - III, 250 institutes will be competitively selected based on the pre notified criteria (based on the quality of the proposal submitted by the institutes). The scheme is envisaged as a 100% Centrally Sponsored Scheme. State Project Facilitation Unit (SPFU) is the designated agency to monitor and control the utilisation of the funds. The amount provided in 2026-27 is for maintaining SPFU for managing the scheme.

15. Development of All Government Polytechnic Colleges

(Outlay: ₹ 3800.00 lakh)

The Scheme is formulated as a combination of the continuing plan schemes related to overall development of diploma level education in the state, including infrastructural development. The major components of the scheme are a) Development of all Government Polytechnic Colleges b) Establishment of Production And Training (PAT) Centre in Polytechnic Colleges and to provide financial assistance to new centres under IoC (Industry on Campus) program c) Accreditation of Govt. Polytechnic Colleges and d) Material Testing and Certification centre in Polytechnic Colleges and e)other on-going works

An amount of ₹ 3800.00 lakh is provided for these components during 2026-27. 12% is expected to be benefitted exclusively for girls. A part of the outlay can also be utilized for the functioning of new polytechnic college at Pinarayi Educational Hub. The outlay can also be used for meeting department share for implementing pooled fund for special projects under Scheduled Caste Sub Plan/Tribal Sub Plan by SC/ST departments.

a. Development of all Government Polytechnic Colleges

There are 46 government polytechnics in the State, 39 General Polytechnics and seven Women's Polytechnics. The department proposes to implement NSQF system in all polytechnic colleges, at least in one specialization in each polytechnic. The polytechnic education is poised for a drastic change in academic and infrastructural development by modernizing the laboratories, libraries and class rooms. Community polytechnic scheme is

being implemented in 31 polytechnics through which the polytechnics reach the needs of the community around them. The community college scheme approved by MHRD as per NSQF norms are also functioning in five polytechnic colleges in the state. But still some of the polytechnics established years back need strengthening, rewiring, special repair and maintenance. Most of the existing institutions require construction of additional buildings for administrative blocks, auditorium, academic blocks, workshops, libraries, new classrooms, sports complexes and laboratories, compound walls, procurement of machinery and equipment and furniture, electrification and so on. Workshops and labs of all polytechnic colleges are in need of modern machinery and equipment, especially for conventional branches like Civil Engineering, Mechanical Engineering etc. in which heavy machinery and equipment are required.

More polytechnic colleges are in the process of establishing the infrastructure needs for AICTE approval. New generation courses are mandatory for the new institutions and this requires setting up of advanced lab facilities. Provision is also made for mandatory requirements by AICTE, such as MOOCS facility, counselling facility, website modification, conversion of at least one polytechnic college into Centre of Excellence, mini industrial units/IoC, setting up of bio-metric punching system at all government institutions, set up community skill development centers in selected polytechnics for Women, unemployed individuals, school dropouts etc., continuance of Green protocol and non-conventional energy initiatives, along with proper utilization of water resources, waste water management, solid waste management, energy conservation and amenities for persons with disabilities are envisaged under the scheme.

b. Establishment of Production and Training (PAT) Centre and to provide financial assistance to new centres under IoC (Industry on Campus) program in Polytechnic Colleges

Practical training and industrial exposure are two essential components of technical education. Due to limited laboratory facilities and absence of major manufacturing industries in the vicinity of colleges, students fail to acquire sufficient exposure. To overcome this challenge the establishment of a Production and Training Centre associated with the institution is envisaged. Necessary training in the allied areas like advanced technology, quality control, management, earn while you learn concept, sales & marketing etc. are also to be incorporated during the course. It is aimed to extend PAT centres to more polytechnics and financial assistance to Industry on Campus (IoC) scheme, is also envisaged under the programme.

c. Accreditation of Govt. Polytechnic Colleges

Accreditation makes more confidence and self-esteem in faculty and students. It will also make more employability. Moreover the technical education provided from these institutions will be valuable, competent to national and international standards. In addition to the above AICTE has mandated that new programmes will be sanctioned only to the institutions having accreditation and the amount provided is for augmentation of infrastructure, laboratory facilities, student amenities, hostel and library facilities, development of class rooms, hostels, fully featured digital media studio, networking,

providing server and LAN to host e-resources as part of online training and virtual class rooms etc.

d. Material Testing and Certification Centre in Polytechnic Colleges

This scheme is for establishing Material Testing and Certification Centres in Government Polytechnic colleges where the civil engineering branch exists. The materials used for building construction are to be tested and certified by authorized certification centres before they are used in construction. The curriculum of civil engineering branch in polytechnic involves practical classes for testing of materials like bricks, steel bars, cement, concrete tube etc. In the State, testing centres have been established in 5 nodal polytechnics in Kozhikkode, Palakkad, Thrissur, Kalamassery and Thiruvananthapuram. The centres help the students to study the actual process of testing during their course of study and revenue will be generated in the institution by the way of testing fees. The outlay provided is for registration, administrative and maintenance expenses along with procurement of additional machinery for the five centres.

16. Development of Government Technical High Schools

(Outlay: ₹ 820.00 lakh)

The scheme is formulated as a combination of the continuing plan schemes related to overall development of technical high school education in the state, including infrastructural development. An amount of ₹ 820.00 lakh is provided for implementing two components in the scheme viz., a) Infrastructural Development of Technical High Schools and b) National Skill Qualification Frame work in Technical High Schools and Polytechnics (NSQF). 15% is expected to be benefitted exclusively for girls.

a) Infrastructural Development of Technical High Schools

There are 39 technical high schools functioning under the Directorate of Technical Education. Some of the Technical High Schools are not having own land and are functioning in rented building. Amount is provided for civil works such as construction of class rooms, workshops, laboratories, libraries, toilets and student amenities, purchase of tools, equipment, machinery, computers, other laboratory equipment, implementation of robotics clubs, solid waste management, biometric punching system and provision is also made for continuance of Green protocol and non-conventional energy initiatives, along with proper utilization of water resources, waste water management, energy conservation and amenities for persons with disabilities under the scheme and land acquisition for the five Technical high schools which are functioning at rented buildings.

b) National Skill Qualification Frame work in Technical High Schools and Polytechnics (NSQF)

The All India Council for Technical Education (AICTE), Ministry of Human Resource Development (MHRD) has launched the National Vocational Education Qualification Framework (NVEQF) to be implemented in Polytechnics, Engineering Colleges and other colleges in the University systems from 2012-13. The scheme is implemented, in Technical High Schools from 2014-15 and in some selected Polytechnics. Sectors and specialization under NVEQF identified for the Technical High Schools and Polytechnics include automobile, manufacturing, construction, power etc.

The amount provided is for resource preparation, arranging faculty development programmes, purchase of machinery and equipment, books, workshops, academic monitoring, seminars/industrial visits in Technical High Schools, Government Institute of Fashion designing (GIFD) and Polytechnic colleges.

17. Development of Fine Arts Colleges

(Outlay: ₹ 360.00 lakh)

The scheme is for the development of three Fine Arts Colleges at Thiruvananthapuram, Mavelikkara and Thrissur. The provision is for the state of the art facilities such as class rooms, art galleries, improvement of studio, student amenity centre, digitization of library and audio visual facilities, student amenities, hostel facilities to students, purchase of equipment required for the three fine arts colleges, renovation works etc. The provision is also given for conducting national level art camps/art exhibitions/workshops and national/international seminars for students and faculty of CFA's, both campus-centered and outside Kerala. Provision to meet the expenses related to life models (life study) is also given. Study tour grants for BFA/MFA students of ₹ 5000 per head subject to the effective utilization, guaranteed by the principal are proposed. As a part of motivating budding artists, a 'promising art student' award is proposed for two UG level students per department per institution on merit cum means mode, with annual financial assistance of ₹ 10,000/-.

To strengthen the Teaching - Learning process at these institutions, a mentoring programme for students by professional artists, through interactive sessions, art camps and workshops, group discussions, seminars, illustrated talks, etc. is proposed. Also, a Culture Mapping of Local History, Ecology, Heritage and Art project is proposed to be undertaken by the Fine Arts Colleges under DTE. The aim is to build a virtual/digital archive of visuals of contemporary life, heritage, culture and the changes happening in relation to the economic, social and political scenario of Kerala.

Bio-metric punching system need to be set up at all government institutions and provision for the same is proposed. Provision is also made for continuance of Green protocol and non-conventional energy initiatives, along with proper utilization of water resources, solid waste management, waste water management and energy conservation. Special amenities for differentially abled students are also envisaged during 2026-27.

An amount of ₹ 360.00 lakh is provided for implementing the scheme for 2026-27. 13% is expected to be benefitted exclusively for girls.

18. Enhancement of Academic Ambience

(Outlay: ₹ 800.00 lakh)

The scheme is formulated as a combination of the continuing plan schemes related to overall enhancement of academic ambience for technical education in the state, including infrastructural development. The major components of the scheme are: a) Evolving Libraries as Knowledge Centres (Strengthening the Libraries in Engineering Colleges and Polytechnics) b) Strengthening and Development of Physical Education c) ICT in Engineering Colleges and Polytechnics and d) Connectivity for National Mission on Education through Information Communication Technologies (NMEICT/KFON).

An amount of ₹ 800.00 lakh is provided for implementing the following components during 2026-27.

a) Evolving Libraries as Knowledge Centres

The scheme aims at automation and digitization of the libraries in all engineering colleges, polytechnics, fine arts colleges and technical high schools. The scheme will make a drastic change in the library management system and will revolutionize the library system to an international standard. The programme includes digitalization of library books in all the institutions, making available online journals in all areas, Library Information Management System (LIMS) software, online referencing of international journals like IEEE, ACM etc. online lending and updating of records, digital enquiry of books, purchase of books in new titles, hard copy journals, e-journals, furniture for library, purchase of duplicating machines/scanners/printers/computers/photocopier which are required for the automation and digitization, to make reading room facilities available to students and faculty in libraries during extended hours and holidays etc. Extension of the scheme to Fine Arts College and Technical High School is also included.

b) Strengthening and Development of Physical Education

This component is for encouraging and strengthening of physical education in engineering colleges, polytechnics, technical high schools and fine arts colleges. Most of these institutions are located in remote areas and as such do not offer easy access to facilities for sports and games or physical fitness centres. The scheme envisaged the phase wise development of common facility for producing international standard sports personnel from student community. The amount earmarked is for construction works such as stadia complexes, indoor stadia, courts, swimming pools, modern fitness centres, financial assistance for participating state/national level sports events, scholarships, purchase of equipment and consumables for sports and games etc.

c) ICT in the educational institutions under DTE

ICT has the potential to contribute greatly to the practice of engineering and fine arts education. Most of the class rooms in Government Engineering Colleges and Polytechnics have been already converted into smart class rooms. Amount earmarked is for providing computers and accessories, digital class rooms, digital faculty rooms, e-learning resources, digital library, campus wide networking and online course management system for the development of all the technical institutions in the State including technical high schools and fine arts colleges.

d) Providing Connectivity for National Mission on Education through Information Communication Technologies (NMEICT)

The Scheme was launched as a Centrally Sponsored Scheme for providing connectivity to institutions named as National Mission on Education through Information Communication Technologies (NMEICT). It is intended to establish a strong communication network between institutions of higher learning which is imperative for the spread of the best practices and the best knowledge modules, encouraging shared learning from the experts in the country. Presently the connectivity to Polytechnics and Engineering Colleges provided are changed to OFC backbone. This necessitates additional allocation for the connectivity charges. KFON network also need data charges and hardware costs applicable.

19. Research Initiatives

(Outlay: ₹ 613.00 lakh)

The Scheme is formulated as a combination of the continuing plan schemes related to overall development of research activities under technical education in the state, including infrastructural development. The various components grouped together are a) Transportation Engineering and Research Centre b) Product Design & Development Centre in CET c) Re-Usable building system in RIT, Kottayam d) Rural Technology Development Centre e) Student Satellite Launch Programme at CET f) Centre for Bamboo Technology, at GEC TVM g) Interdisciplinary Research Centres at Govt. Engineering Colleges h) Robotics & AI nodal Centre i) Centre of Excellence in Systems, Energy & Environment j) Centre for high performance computing at CET k) Collaborative Research and Learning (CORaL) l) Centre for Disaster Management and Mitigation under the Directorate m) Centre for Nano electronics n) CET- Centre for Advanced Research in Engineering (CET- CARE) o) Centre for Sustainable Development (CSD) at College of Engineering, Trivandrum p) Centre of Excellence in e-mobility q)IGNITE- Innovation Grant for Nurturing Ideas, Technology & Entrepreneurship r)INSPIRE - Innovation Support Program for Initial Research Endeavours s) IPDRS -Immediate Post-Doctoral Research Support t) Setting up Research parks in government engineering colleges and support for presenting research papers in reputed conferences.

An amount of ₹ 613.00 lakh is provided for implementing these components for 2026-27.

a) Transportation Engineering and Research Centre (TRC)

The Transportation Engineering Research Centre was set up in College of Engineering, Thiruvananthapuram. The TRC research programme emphasizes applied research and technology transfer to enhance knowledge in the field of transportation and to solve transportation problems encountered by transportation community and also provides an extensive array of labs, equipment and reference materials. The specific objectives are (1) conduct research relating to highway materials (2) develop good maintenance and construction practices, (3) evaluate the performance of pavements (4) develop accident prediction models (5) develop a data base to support the development of codes, guidelines, standards and manual for sustainable infrastructure development (6) suggest traffic management measures and practices (7) promotion of regional level consultancies (8) to equip the faculty by giving training in India and abroad to keep abreast with the latest developments in the relevant fields (9) conduct training programme and short term courses for the practicing engineers and academicians to transfer the research outputs for implementation (10) to offer research fellowship.

b) Product Design & Development Centre in CET

Product design and Development Centre at College of Engineering Trivandrum was setup as a pilot project which could be replicated in other engineering colleges. The proposed centre would develop and test new designs for products and shall transfer the technology to prospective entrepreneurs. The centre shall also impart training on product design to students and unemployed youth through specialized programmes. The amount provided is for implementing the above activities.

c) Re-Usable building system in RIT, Kottayam

The re-usable building system is to ensure sustainability of expanding urban infrastructure. This is aimed to incorporate innovative materials/structural components to accelerate the turn over time of mass housing schemes. Such interventions would culminate in the evolution of a material use policy for the construction activities in the State to ensure sustainable resource use and environmental protection. This programme is actively participating in the Life Mission programme of the State Government. Amount provided is for research activities in this field.

d) Rural Technology Development Centre at Govt. Engg College, Kannur

The Rural Technology Development Centre (RDTC) is envisaged to act as a link between academia and local communities, for the transfer of appropriate technology specifically developed for the betterment of the rural technologies. The Rural Technology Development Centre is aimed to develop innovative solutions to develop efficient and effective mechanisms to uplift traditional technologies. The centre acts as a nodal centre for the transfer of technological knowhow connecting the other technical institutions in the state including engineering colleges and polytechnic colleges with the community. The centre can work in three dimensional framework, i) improvisation of machinery involved in rural technologies ii) development of new products using traditional technologies and iii) solution to technical and maintenance problems. The amount is provided for purchase of equipment and other expenses for the functioning of the centre.

e) Student Satellite Launch Programme at CET

It is proposed to launch a student satellite by College of Engineering Trivandrum in collaboration with Indian Space Research Organization (ISRO). This is a long term project which can be materialized in 3-4 years. The project team will include all the Departments of CET which will include undergraduate students, post graduate students and faculty members with an approximate team size of 100. The project will be coordinated by the newly established CET Centre for Interdisciplinary Research (CCIDR) of the college. The major objectives of this project is to gain experience in design, fabricate, test, operate satellite, system engineering, design multispectral camera, observation of forest, prediction of lightning pattern etc

f) Centre for Bamboo Technology

Centre for Bamboo Technology has been established at Government Engineering College, Barton Hill. The objectives of the scheme are to conduct R & D on bamboo as a construction material, R & D on value addition to bamboo as a commercial product, use bamboo as biofuel, network with institutions doing research in bamboo technology, to propagate the use of bamboo as a sustainable source and to conduct annual conference on bamboo technology.

g) Interdisciplinary Research Centres at Govt. Engineering Colleges

The Directorate of Technical Education proposes to establish interdisciplinary research centres in the Govt. Engineering Colleges. The centres are envisaged to act as platforms to facilitate and promote interdisciplinary research among the faculty members, so as to emerge with quality research outputs useful for the society. The centre will encourage

the faculty members to undertake multidisciplinary projects at the UG/PG level and create an environment where doctoral studies are carried out under the supervision of faculty members from different disciplines. It is proposed to establish interdisciplinary research centres in nine government engineering colleges, in specified are identified by the host institution.

h) Robotics & AI nodal Centre

As part of setting up of Inter-disciplinary research centres at various engineering colleges in the state, the Robotics and Artificial Intelligence Centre was set up at GEC, Thrissur. The idea was to establish a facility to be shared by various engineering colleges, polytechnics and technical high schools under Department of Technical Education, Kerala and function as a centre of excellence in Robotics & AI. The centre aims to conduct advance research pertaining to the fields of Robotics, Automation and Human-Computer Interaction through concerted efforts across various disciplines of Engineering & Science, through proactive research and development activities, viable consultancy projects and realizable student projects at UG and PG level.

i) Centre of Excellence in Systems, Energy & Environment (CESEE) at GEC, Kannur

The centre of excellence, set up at GEC, Kannur, aims at providing technical, techno-economic and environmentally compatible solutions to the following societal problems which requires urgent attention of the engineering fraternity in Kerala, i.e., 1) waste management, 2) energy shortage and 3) other related environmental issues. This will be achieved by organizing, research, demonstration, training, public interaction, consultancy and other academic activities in an interdisciplinary domain of systems, energy and environment. Research in renewable energy, waste management systems, environmental science and system analysis as well as conducting energy audit are the major thrust areas of the proposed CESEE.

j) Centre for high performance computing at CET

Artificial Intelligence is an emerging area in which lot of research potential and job opportunities exist. High Performing Computing is an essential tool for computational schemes such as Machine Learning, Deep Learning, Data Analytics and so on. PhD/UG/PG students get exposure to state-of-the-art technology and can take up quality projects/thesis which require high computational requirement. The centre is proposed to be set up at CET and envisages students to bring up innovative solutions in the field of health care, Agriculture, Robotics and Artificial Intelligence, Automation, self-driving cars, surveillance monitoring, always listening IoT devices etc. by developing their own algorithms and train their model on huge data sets, with the help of the proposed computing facility.

k) Collaborative Research and Learning (CORaL)

Collaborative Research and Learning (CoRaL) centre acts as a link, facilitating a mutual give and take between research institutes, LSGDs and Government missions on the one side and academic institutions particularly in the nine Government Engineering colleges in the State, on the other. The major objectives of CORaL are linking research for society outreach and formulating guidelines for facilitating investigators from multiple institutes to take part in a research activity in any of the state funded research centre.

l) Centre for Disaster Management & Mitigation

Centre for Disaster Management & Mitigation is aimed to address application of technology in preventive measures for disasters and consequences of the natural calamities affecting the state and related mitigation activities. The programme envisaged to strengthen the activities of the Centre for Disaster Management and Mitigation.

m) Centre For Nano Electronics

Centre for Nano Electronics aims to focus on design, modeling and simulation of electronic circuits (analog and digital) with nanometric devices for VLSI fabrication, on-chip interconnect modeling culminating with emerging non-silicon/nano devices. The proposed research facility presents a unique opportunity to boost the quality of engineering education, deepen understanding, and provide the state of the art skills and exposure to young minds, and will substantially improve their employability. The centre helps to transfer technologies to students, encourage and promote collaboration among researchers, enhance laboratory facilities, improve employability, translate academic research into useful products to the society etc.

n) CET- Centre for Advanced Research in Engineering (CET- CARE)

The objective of this project is to augment the infrastructure facilities with special emphasis for interdisciplinary research focusing on the areas such as i) create collaboration with all branches of engineering and science, national and international research project and institutes to promote interdisciplinary research ii) creation of research based teaching and learning environment by starting interdisciplinary graduate/post graduate programmes iii) promote translational research and iv) dissemination of research to the public and other stake holders. College of Engineering Trivandrum is proposed as the nodal centre for the state facilitating translational research, community extension services and industry institute linkage.

o) Centre for Sustainable Development (CSD) at College of Engineering, Trivandrum

The objectives of this programme are to develop high pressure bio-gas plant for sustainable transportation, tribo-electric nano generator from wind energy, fuels and lubricants from used plastic wastes using pyrolysis, industrial lubricants/products from waste oil, suitable technology for hydrogen generation using catalysts, technology for sustainable buildings, pavements etc. and to generate entrepreneurship based on sustainable industries.

p) Centre of Excellence in e-mobility

The scheme is for developing indigenous technologies for electric vehicles. The focus of the research centre is oriented to industrial needs and existing industrial practices. The centre will be established by making use of the facilities existing in different engineering colleges. The main objective of the scheme is to develop the state of the art technologies for electric vehicles.

q) IGNITE- Innovation Grant for Nurturing Ideas, Technology & Entrepreneurship

The scheme is for nurture creative thinking and problem-solving skills among engineering students. This scheme will enable young innovators to transform their ideas into

impactful solutions, strengthening the innovation culture and contributing to the nation's technological advancement.

r) INSPIRE - Innovation Support Program for Initial Research Endeavours

The scheme is to provide financial assistance to newly joined faculty in engineering colleges. This initiative will enable them to initiate innovative research projects, generate preliminary results, and lay the foundation for external grant applications and long- term research careers.

s) IPDRS -Immediate Post-Doctoral Research Support

The Immediate Post-Doctoral Research Support (IPDRS) scheme aims to strengthen research culture in Kerala technical institutions by supporting faculty members within one year of completing their Ph.D. The scheme provides seed grants up to ₹5 lakhs to carry the research work of Ph.D. forward. The funding is available for a faculty completed Ph.D. within 1 year for enhancing research facilities and collaborative research work.

t) Setting up Research parks in government engineering colleges and support for presenting research papers in reputed conferences.

The scheme is for setting up research parks in government engineering colleges to support students to develop their innovative ideas and for presenting research papers in reputed conferences.

Additionally, as an initiative to strengthen the academia, it is proposed to conduct formal education programmes related to the research centre activities, support for presenting research papers in reputed conferences and setting up research parks in government engineering colleges.These project mode courses shall cover a curriculum related to the research centre activities. But the additional financial commitment for faculty if any shall be met from the non-plan fund available with the department

20. Schemes under PPP Mode

(Outlay: ₹ 40.00 lakh)

The following four schemes will be implemented in PPP mode. They are joint programmes with special emphasis given for the national and international players. For these four programmes amount will be provided in a single head from which the same can be utilized.

An amount of ₹ 40.00 lakh is provided for these schemes in 2026-27.

a) Advanced Diploma in Automotive Mechatronics (ADAM) and Centre of Excellence in Mechatronics at GEC, Barton Hill

Government of India has accorded sanction for starting one year Advanced Diploma in Automotive Mechatronics (ADAM) in Govt. Engineering college, Barton Hill in collaboration with Mercedezs Benz Pvt. Limited, Pune. MoU has been signed between Government Engineering College Barton Hill and M/s Mercedes Benz India Private Limited, Pune. Wheel alignment module and auto electrical module are added to the existing facility in collaboration with M/S Bosch Auto Electricals.

The aim is to convert Centre for ADAM into a Centre of Excellence in Mechatronics. Presently the centre is focused on Automotive Mechatronics. A comprehensive automotive

testing facility is planned to be set up in collaboration with M/S. Bosch India. Also plans to provide expert training in the field of Industrial Robotics. The trained manpower will help the industry to adopt latest technologies to improve quality and work condition with high productivity.

b) Centre of Excellence in Automation Technologies in College of Engineering Trivandrum

It has been decided to establish a Centre of Excellence in the field of Automation Technologies, in association with M/s Bosch Rexroth, in College of Engineering Trivandrum. The concept is to establish master centre at state level-centre of excellence and regional centres in the regional district-centres of competency, in association with M/s Bosch Rexroth a German company for which an MoU has already exists. It is also proposed to start a PG programme in automation technology and conduct research programme. Training will be given to the faculty and students of nearby engineering and polytechnic colleges in the region. Joint certification will be provided and thus the employability of students will be ensured. Fund is earmarked for the training, up gradation of laboratories of the centre, infrastructural development and other on-going works.

c) Centre of Competence in Automation Technologies in Govt. Polytechnic College, Kalamassery

The Govt. Polytechnic College, Kalamassery is situated at the industrial centre of Ernakulam district. In the year 2013-14 it has been decided to establish a Centre of Competence in the field of Automative Mechatronics, in association with M/s Bosch Rexroth, in Govt. Polytechnic College, Kalamassery. The Centre of Competence in Govt. Polytechnic College, Kalamassey will be one of the third centre of its kind in India, supported by M/s Bosch Rexroth, which will arrange machinery and equipments for the setting up of the state of the art laboratory on Hydraulics, Pneumatics, Sesorics, PLCs and Mechatronics. The joint efforts of Government Polytechnic College Kalamassery and Bosch Rexroth in establishing the training centre will foster an excellent industry-academic partnership and make a notable contribution to enable India to gear up for the global challenges in manufacturing sector. Fund is provided for stationary, preparation of learning materials, providing food and refreshment, maintenance and installation of lab kits, infrastructural development, course materials for participants etc.

d) Two year M.Tech programme in Translational Engineering under Translational Research & Professional Leadership Centre (TPLC) Barton Hill, Thiruvananthapuram

The Department of Higher Education had given sanction to start a one year diploma course in Translational Science and Engineering and later sanction was granted to change it to an M.Tech programme in Translational Engineering. This programme is being conducted in collaboration with the Columbia University and the University of Montreal, Canada and Institutes of Excellence like IITM Chennai. Under this scheme, fund is provided for the following components - (1) M.Tech in Translational Engineering (2) TPLC-Student/professional focus (3) Distinguished Visiting Scholar Programme (4) Incote (International conference on Translational Engineering) (5) TPLC-manpower and

(6) International internship programmes. Amount is provided for developing the centre into a Centre of Excellence in Translational & Professional leadership, there by paving the way to moulding socially-committed and ethical professionals for future.

21. Education Hub at Pinarayi

(Outlay: ₹ 1.00 lakh)

As per the order No. G.O (Rt.) No.828/2020/ID dated 01.10.2020, Government sanctioned the establishment of an Education hub at Pinarayi Village in Kannur district. Polytechnic college, ITI, Kerala Institute of Hospital Management, IHRD College of Applied Science, Civil Service Academy and a Bio-diversity park are the institutions proposed in this Education Hub. An amount of ₹ 1.00 lakh is earmarked as token provision for the functioning of the education hub for the year 2026-27. Amount earmarked under Industrial Training Department (ITI), Tourism Department (Kerala Institute of Hospitality management), Environment and Climate change Department (Bio Diversity Park) and Higher Education Department (Polytechnic College, IHRD College of applied Science and Civil Service Academy) can also be utilized for this scheme.

22.Jawaharlal Nehru Scientific City

(Outlay: ₹ 1000.00 lakh)

The objective of this scheme is to establish Scientific Centres to inculcate scientific temper among students and to transform Kerala to a global knowledge hub.

An amount of ₹ 1000.00 lakh is provided for these schemes in 2026-27. Out of this amount 20% is expected to be benefitted exclusively for girls.

education through planned development of higher education at the state level as per GoI guidelines. The major components envisaged under this scheme are infrastructure grants to colleges and universities, research, innovation and quality improvement, equity initiatives, gender inclusion preparatory grant, new model degree college and upgradation of existing model degree colleges, and enhancing quality & excellence in selected autonomous colleges, Multi-Disciplinary Education and Research Universities (MERU). An amount of ₹ 4500.00 lakh is anticipated as the central assistance for the implementation of the scheme during 2026-27.

MMER- management, monitoring, evaluation and research component is met from 100% central share under RUSA and an amount of ₹ 644.00 lakh is anticipated as the central assistance.

2. State Level NSS Cell (100% Central Share)

(Outlay: ₹ 110.00 lakh)

National Service Scheme activities are carried out in Universities and Educational Institutions in Kerala and the expenditure is met by the assistance from Government of India. For the functioning of the state level NSS cell, it is anticipated that Government of India will provide an amount of ₹ 110.00 lakh as 100% assistance during 2026-27.

9.3 TECHNICAL EDUCATION

1. Centrally Sponsored Schemes for Polytechnics (100% CSS)

(Outlay : ₹ 1.00 lakh)

The components of the scheme are upgradation of existing/setting up of new polytechnics (under the scheme of co-ordinated action for skill development of MHRD), creating infrastructure facilities in polytechnic colleges and Community Development through Polytechnics.

An amount of ₹1.00 lakh is provided as central share for these components for the year 2026-27.

9.5 MEDICAL AND PUBLIC HEALTH

HEALTH SERVICES

National Health Mission

1. National Health Mission (60% Central Share)

(Outlay: ₹ 69780.00 lakh)

Framework for Implementation of National Health Mission of Ministry of Health and Family Welfare, GOI having five financing components to states shall be based on the approved Programme Implementation Plans, namely (i) NRHM/RCH Flexi-pool, (ii) NUHM Flexi-pool (iii) Flexible pool for Communicable Disease, (iv) Flexible pool for Non Communicable Disease including injury and trauma and (v) Infrastructure Maintenance. The components of Family Welfare Programme are also included in the scheme. The National Rural Health Mission (NRHM) and National Urban Health Mission (NUHM) were made the subsystems of NHM. The funding pattern will be 60:40 between GoI and GoK. The outlay will be expended in line with the guideline of the GoI for the scheme and allocation by GoI for the year 2026-27. An amount of ₹ 69780.00 lakh is anticipated for the scheme during 2026-27 as Central Share. Infrastructure Maintenance is provided to meet the expenses viz.