

ഭരണഭാഷ - മാതൃഭാഷ

സാങ്കേതിക വിദ്യാഭ്യാസ ഡയറക്ടറേറ്റ്
തിരുവനന്തപുരം

നമ്പർ. L4/7147/2024/DTE

തീയതി: 08-09-2024

പരിപത്രം

വിഷയം:- ഉന്നത വിദ്യാഭ്യാസം - സാങ്കേതികം - 2025-26 സാമ്പത്തിക വർഷത്തിലെ ബഡ്ജറ്റ് എസ്റ്റിമേറ്റ്സ് തയ്യാറാക്കുന്നത് - നിർദ്ദേശങ്ങൾ സംബന്ധിച്ച്

സൂചന :- 06.09.2024 -നു ഡയറക്ടറുടെ അധ്യക്ഷതയിൽ ഓൺലൈനായി ചേർന്ന വകുപ്പിന് കീഴിലെ പോളിടെക്നിക്ക് കോളേജുകൾ/ഹൈൻ ആർട്സ് കോളേജ് പ്രിൻസിപ്പാൾമാരുടെ യോഗം

2025-26 സാമ്പത്തിക വർഷത്തിലെ ബഡ്ജറ്റ് എസ്റ്റിമേറ്റ്സ് തയ്യാറാക്കുന്നതിന്റെ ഭാഗമായി വകുപ്പിന് കീഴിലെ പോളിടെക്നിക്ക് കോളേജുകൾ/ഹൈൻ ആർട്സ് കോളേജ് മേധാവിമാരുമായി സൂചന പ്രകാരം ചേർന്ന യോഗതീരുമാനങ്ങൾ/നിർദ്ദേശങ്ങൾ തുടർ നടപടികൾക്കായി ചുവടെ ചേർക്കുന്നു.

1. പോളിടെക്നിക്ക് കോളേജുകളിൽ പ്രൊജക്ട് മോഡ് കോഴ്സുകൾ ആരംഭിക്കുന്നതിനായി ഇതുമായി ബന്ധപ്പെട്ട ചർച്ചകൾ കോളേജ് തലത്തിൽ നടത്തി വിശദമായ പ്രൊപ്പോസൽ **13.09.2024 - നകം** സമർപ്പിക്കേണ്ടതാണ്. പ്രൊജക്ട് മോഡ് കോഴ്സ് സംബന്ധിച്ച Budget write up ഇതോടൊപ്പം ഉള്ളടക്കം ചെയ്യുന്നു. (നടപടി: പോളിടെക്നിക്ക് കോളേജ് മേധാവികൾ)
2. 2025-26 വർഷത്തെ ബഡ്ജറ്റിൽ ഉൾപ്പെടുത്തുവാൻ കഴിയുന്ന പുതിയ പദ്ധതികൾ (new schemes/ initiatives) സംബന്ധിച്ച വിവരങ്ങൾ **13.09.2024 - നകം** ലഭ്യമാക്കേണ്ടതാണ്. (നടപടി: പോളിടെക്നിക്ക് കോളേജ് & ഹൈൻ ആർട്സ് കോളേജ് മേധാവികൾ)
3. വെബ് പോർട്ടൽ മുഖേന (<http://admissions.dtekerala.gov.in/dis/login>) സ്ഥാപനങ്ങൾ ഓൺലൈനായി സമർപ്പിച്ചിരുന്ന 2025-26 സാമ്പത്തിക വർഷത്തിലെ പ്ലാൻ ശീർഷകങ്ങളിലെ ബഡ്ജറ്റ് പ്രൊപ്പോസലുകൾ പരിശോധിച്ച് അവയിൽ അത്യന്താപേക്ഷിതമായവ മാത്രം നിലനിർത്തി തുക വിവരങ്ങൾ ഓൺലൈനായി **13.09.2024 - നകം** പരിഷ്കരിക്കേണ്ടതാണ്. (നടപടി: പോളിടെക്നിക്ക് കോളേജ് & ഹൈൻ ആർട്സ് കോളേജ് മേധാവികൾ)
4. ഹൈൻ ആർട്സ് കോളേജുകളുടെ വികസനവുമായി ബന്ധപ്പെട്ട് Budget write up -ൽ (പകർപ്പ് ഉള്ളടക്കം ചെയ്യുന്നു) പ്രതിപാദിച്ചിരിക്കുന്ന വിവരങ്ങൾ പരിശോധിച്ച് നടപടികൾ സ്വീകരിക്കേണ്ടതും നടപ്പ് സാമ്പത്തിക വർഷത്തെ പ്രൊപ്പോസലുകൾ അടിയന്തരമായി ഈ കാര്യാലയത്തിൽ സമർപ്പിക്കേണ്ടതുമാണ് (നടപടി: ഹൈൻ ആർട്സ് കോളേജ് മേധാവികൾ)

SHALIJ P R
DIRECTOR

സീകർത്താവ്,

ഈ വകുപ്പിന് കീഴിലുള്ള സർക്കാർ പോളിടെക്നിക് കോളേജ് & ഫൈൻ
ആർട്സ് കോളേജ് മേധാവികൾക്ക് (www.dtekerala.gov.in എന്ന
വെബ്സൈറ്റ് മുഖാന്തിരം).

Signed by
Shalij P R
Date: 08-09-2024 20:53:05

b) National Skill Qualification Framework 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: ₹ 340.00 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 from 23-24 onwards. 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.

During 2024-25, 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.

An amount of ₹ 340.00 lakh is provided for implementing the scheme for 2024-25. 18% is expected to be benefitted to girls.

one side and academic institutions particularly in the 9 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.

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 inter disciplinary 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 inter disciplinary research ii) creation of research based teaching and learning environment by starting interdisciplinary graduate/post graduate programmes and iii) 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. Out of the total outlay an amount of ₹ 100.00 lakh is earmarked for this component in 2024-25.

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.

New component

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.

Additionally, as an initiative to strengthen the academia, it is proposed to conduct formal education programmes related to the research centre activities. 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 2024-25.

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 Mercedes 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 been signed. 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, Kalamassery will be one of the third centre of its kind in India, supported by M/s