



# THE COCHIN COLLEGE

Koovapadam, Kochi-2

Affiliated To Mahatma Gandhi University

Re-accredited by NAAC With B+ Grade



Fourth Cycle  
NAAC Accreditation 2024

## Criterion 6 Governance, Leadership and Management

### 6.1 - Institutional Vision and Leadership

Metric No. 6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

### Sustained Institutional Growth

Submitted to



National Assessment and Accreditation Council



# THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: [www.thecochincollege.edu.in](http://www.thecochincollege.edu.in)

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## Declaration on Principal

This is to declare that the following is the Perspective Plan for the college for 2024-2029.

Mrudula Menon V.





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## Sustained Institutional Growth Plan of The Cochin College

Achieving sustained growth in a higher education institution begins with securing academic autonomy and aligning with the National Education Policy (NEP). Academic autonomy empowers the institution to design flexible and relevant curricula that can swiftly adapt to the evolving demands of the global job market. Aligning our programs with the NEP ensures that they meet national standards while also allowing room for innovation and the integration of new ideas.

Financial self-sufficiency is essential for the institution's long-term viability. This can be achieved through internal fund generation strategies such as offering consultancy services, developing specialized training programs, and commercializing research outcomes. By diversifying revenue streams, the institution reduces its reliance on external funding and strengthens its financial resilience. The effective utilization of highly qualified faculty and staff, combined with leveraging a strong and engaged alumni network, further enhances the institution's capacity for growth. Alumni not only provide financial contributions but also offer valuable mentorship, networking opportunities, and industry connections that significantly benefit the institution and its students.

Strengthening industry linkages is critical for ensuring that educational outcomes are aligned with market needs. Collaboration with industry leaders allows for the co-creation of curricula, provides opportunities for internships, and supports successful student placements, thereby enhancing the institution's reputation and impact. Promoting a vibrant research culture is equally important, as it attracts funding, fosters innovation, and enables the institution to address real-world challenges.

Optimizing the use of infrastructure and resources is crucial for maximizing their value. This includes modernizing facilities, adopting sustainable practices, and implementing energy-efficient technologies to ensure that the institution operates at its highest capacity.

Our sustained growth strategy presented below emphasizes the importance of financial self-sufficiency, optimal utilization of highly qualified manpower, leveraging our vast alumni network, securing academic autonomy, and fostering robust industry relationships. By implementing these strategies, The Cochin College aims to not only maintain but also elevate its standing as a leading institution of higher learning.





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## 1 Academic Autonomy and Curriculum Enhancement

### 1.1 Strategic Focus Area

The College aims to achieve greater academic autonomy, allowing for enhanced flexibility in curriculum development and the integration of the latest industry and technological requirements.

### 1.2 Key Actions

- **Pursuit of Academic Autonomy:** Actively seek academic autonomy to introduce innovative, interdisciplinary, and multidisciplinary programs. This autonomy will enable the College to design curricula that are responsive to both academic advancements and industry demands.
- **Curriculum Modernization:** Regularly update curricula to reflect emerging industry trends and technological advancements, ensuring that our programs remain relevant, competitive, and aligned with the needs of the modern workforce.

## 2 Financial Sustainability, Fund Generation, and Consultancy

### 2.1 Strategic Focus Area

Ensuring the financial sustainability of the College through diverse and innovative funding strategies, including the expansion of consultancy services.

### 2.2 Key Actions

- **Fundraising Initiatives:** Implement comprehensive fundraising strategies, including alumni contributions, corporate sponsorships, and applications for grants from governmental and non-governmental sources. These initiatives will secure the necessary funds to support ongoing and new projects.
- **Consultancy Services:** Develop and expand consultancy services that leverage the College's academic expertise and infrastructure. These services will provide practical solutions to industry and community needs while generating additional revenue streams for the College.
- **Research Partnerships:** Explore and expand research partnerships with industry and academic institutions to secure funding and enhance the College's research output. These partnerships will also contribute to the financial sustainability of the College.





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## 3 Strengthening Industry Linkages and Placement Enhancement

### 3.1 Strategic Focus Area

Strengthening partnerships with industry stakeholders to bridge the gap between academia and industry, thereby improving student employability.

### 3.2 Key Actions

- **Curriculum Collaboration with Industry:** Collaborate with industry leaders to design and revise curricula that meet current market demands. This partnership will ensure that students acquire the skills and knowledge directly applicable to the workforce, enhancing their employability.
- **Enhancement of Placement Services:** Enhance the capabilities of our Placement Cell to connect students with top employers. This includes focusing on securing high-quality internships and job placements, thereby improving graduate outcomes and industry readiness.

## 4 Research, Innovation, and Entrepreneurship Development

### 4.1 Strategic Focus Area

Fostering a research-driven environment, promoting innovation, and encouraging entrepreneurship to drive economic and social impact.

### 4.2 Key Actions

- **Promotion of Research:** Encourage faculty and student engagement in innovative research projects that address real-world challenges. This will enhance our research output, contribute to societal advancement, and elevate the College's academic standing.
- **Innovation Hubs:** Establish innovation hubs and research centers focused on emerging fields, fostering creativity and the development of new technologies and solutions.
- **Entrepreneurship Development:** Expand the activities of the Entrepreneurship Development Club (ED Club) by introducing incubation programs, startup competitions, and business plan development workshops. These initiatives will nurture entrepreneurial skills and create opportunities for students to launch their own ventures.





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- **Collaboration with Industry:** Partner with industry to support innovation and entrepreneurship initiatives, providing students and faculty with access to resources, mentorship, and funding.

## 5 Resource Efficiency and Sustainability

### 5.1 Strategic Focus Area

Promoting sustainability through energy efficiency, resource management, and environmental stewardship.

### 5.2 Key Actions

- **Energy Efficiency Measures:** Implement campus-wide energy efficiency initiatives, including the promotion of renewable energy sources such as solar power. These measures will reduce the College's environmental footprint and lower operational costs.
- **Resource Management:** Optimize the management of water and other resources, focusing on conservation, recycling, and sustainable practices. This approach will ensure the responsible use of resources and contribute to the College's sustainability goals.

## 6 Strengthening Alumni Engagement

### 6.1 Strategic Focus Area

Enhancing alumni engagement to support institutional growth, student development, and community outreach.

### 6.2 Key Actions

- **Alumni Relationship Building:** Strengthen relationships with our alumni through regular engagement activities, including networking events, mentorship programs, and collaborative initiatives. This will keep alumni connected to the College and encourage their active participation in its growth.
- **Alumni Contributions:** Encourage alumni to contribute financially through donations, scholarships, and career guidance programs. By leveraging their success and experience, alumni can play a pivotal role in supporting the current generation of students.





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## 7 Institutional Development Plan

### INSTITUTION DEVELOPMENT PLAN

#### PROJECT PROPOSAL



#### THE COCHIN COLLEGE, KOCHI-2

Affiliated to Mahatma Gandhi University, Kottayam  
Re-accredited B+ grade by NAAC  
DBT-Star College Scheme funded Science Departments  
3.5 star rated by IIC- MoE Innovation Cell







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## EXECUTIVE SUMMARY

The Institution Development Plan of the college is prepared in accordance with the broad objectives viz. attaining higher levels of access, equity, and excellence in higher education. The activities proposed by the institution under the IDP are well suited for increasing success rate, progression and employability of students and forging academia-industry linkages.

Student enrollment has increased considerably over the past three years and the institution is experiencing infrastructural constraints for offering various facilities for students. To cater to the increased number of students, a new building for the library and computer lab is proposed in the plan. Digital infrastructure of the institution also needs to be enhanced for fulfilling the requirements under NEP. Importance is given for the provision of facilities for specially abled students in the IDP. The institution also aims at achieving excellence in research by upgrading facilities in the research centre.

Another core area addressed is the establishment of incubation centres and thereby boosting innovation and start-up culture among the students. The Institution Innovation Cell of the college is equipped to take the lead in the implementation of this activity. Focus is given for training the students in the new age technology. An Advanced Electromagnetics Engineering Lab (AEME lab) is proposed to be established. A number of vocational courses which cater to the local needs are identified and included in the IDP. The institution aims at achieving improved levels of NAAC accreditation by implementing various projects proposed in this ambitious IDP.





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## INSTITUTION PROFILE

The Cochin College is an Arts and Science college accredited B+ by NAAC. The college is affiliated to Mahatma Gandhi University, Kottayam. The college is situated in Mattancherry and is the lone government aided higher education institution in the region. It was established in the year 1967 as a Public Private Partnership venture (PPP model) of the then Mattancherry Municipal Council and Indian Chamber of Commerce & Industry. The Cochin College today stands as a symbol of the hopes and aspirations of the citizens of Kochi and caters to the educational needs of backward and minority communities in the coastal belt of Kochi.

The college has 13 UG programmes and 7 PG programmes. Total 2017 students are presently enrolled in the college across 13 UG and 7 PG programmes. The college is an approved research centre for Commerce and Physics. Nine faculty members of the college are recognised research guides of Mahatma Gandhi University. 19 scholars are presently working under them. The research departments of the college have produced 40 Ph.D. so far.

The college is selected under the STAR College scheme of the Department of Biotechnology in the year 2021. The college has participated in Atal Ranking of Institutions on Innovation Achievements (ARIIA). The College has an active Institution Innovation Cell (IIC) and is awarded with 3.5 star ranking in the year 2021-22.





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BASIC INFORMATION OF THE INSTITUTION	
Name of the Institution	The Cochin College
Establishment of College	1967
Whether registered under 2 (f)& 12(B) of the UGC	Yes
Affiliated to	Mahatma Gandhi University , Kottayam
Type of Institution(Govt. /Govt. aided/Private unaided /Self-financing/ Any Other)	Govt. Aided
Status of Institution	Affiliated (Permanent)
Name of Head of the Institution	Dr. M. Geetha
Prior support under any Phases of RUSA	College has not been previously approved under any component of RUSA
Number of Departments in the College	16 (Sixteen)
Students Enrollment (2023-24)	2017
Address of communication	The Cochin College, Cochin College Road, Koovapadam, Kochi 682002
Emails	<a href="mailto:thecochincollegkochi2@gmail.com">thecochincollegkochi2@gmail.com</a> Principal: <a href="mailto:principal@thecochincollege.edu.in">principal@thecochincollege.edu.in</a> IQAC: <a href="mailto:iqac@thecochincollege.edu.in">iqac@thecochincollege.edu.in</a> College office: <a href="mailto:office@thecochincollege.edu.in">office@thecochincollege.edu.in</a>
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## Department-wise Faculty Positions filled in regular mode

Sl no	Department	Sanctioned Posts	Faculty Positions filled	Percentage
1	English	12	12	100
2	Economics	3	3	100
3	Commerce	24	24	100
4	Physics	7	7	100
5	Chemistry	9	9	100
6	Zoology	8	8	100
7	Botany	3	3	100
8	Computer application	6	6	100
9	Business Administration	6	6	100
10	Mathematics	7	7	100
11	Biochemistry	1	1	100
12	Language	5	5	100
13	Biotechnology	2	2	100
14	Electronics	1	1	100
15	History	1	1	100
16	Physical education	1	0	0
	<b>Total</b>	<b>96</b>	<b>95</b>	<b>94</b>





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Department wise Student-Teacher Ratio				
Sl No.	Department	No. of Students	No. of teachers	Student -teacher Ratio
1	English	240	12	20:1
2	Economics	185	10	18:1
3	Commerce	730	24	30:1
4	Physics	118	8	15:1
5	Chemistry	149	9	16:1
6	Zoology	124	8	16:1
7	Botany	79	6	13:1
8	Computer Application	155	6	26:1
9	Business Administration	179	6	30:1
10	Mathematics	58	6	10:1
	<b>Total</b>	<b>2017</b>	<b>95</b>	<b>21:1</b>





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## Collaboration with local industries for Research/ Internship/ Placements

Sl No	Collaborating Agency	Department involved	Nature of Collaboration	
1	Maker Village, Startup mission Kalamasserry	Physics, Electronics	Student Internship	Existing Collaboration
2	Scopful Biosciences, Kalamasserry	Zoology, Botany	Student Internship	Existing Collaboration
3	Interfield laboratories. Kochi	Chemistry	Student Internship	Existing Collaboration
4	Plan@earth, NGO, Kochi	Zoology	Paper recycling	Existing Collaboration
5	MeritBiolabs, Kochi	Zoology	Student Internship	Existing Collaboration





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## INSTITUTIONAL GOALS FOR THE NEXT FIVE YEARS

1. Enhancing equity for specially abled students, girls and students belonging to minorities and SC/ST by augmenting infrastructure and learning resources.
2. Achieving academic excellence by enhancing the quality of teaching learning process.
3. Enhancing excellence in research and increasing research output.
4. Promoting innovation through the establishment incubation and technology development centre
5. Developing 21st Century skills by launching digital extension courses and initiatives
6. Improving employability of students by launching innovative vocational courses and by strengthening the linkages with industries.
7. Providing counselling and coaching programs focused on social, physical and entrepreneurial skills.
8. Implementation of good governance through computerised automated tools.
9. Improve NAAC accreditation status, participate in NIRF and ISO certification







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## DESCRIPTION OF GOALS AND ACTIVITIES

<b>Goal 1: Inclusion of girls, minorities, SC,ST,OBC and specially abled students</b>	
<b>Rationale:</b> Inclusion of girls, minorities, SC, ST, OBC, and specially abled students in educational institutions is grounded in principles of equity, social justice, and the promotion of a fair and inclusive society.	
<b>Sub goal 1: Enhancing facilities for girls in the college through creation and expansion of infrastructure facilities</b>	
<b>Projects/activities required</b>	
1	Renovation of girls' common room, tiling of floor, installation of napkin vending machines, incinerators, provision of more cupboards, chairs, tables and beds
2	Construction of new toilet complex, renovation of existing girls washrooms, replacing old sanitary wares, tiling of floors.
<b>Sub goal 2 : Personalized need based mentoring, remedial coaching and personality development sessions for students belonging to backward, SC, ST communities</b>	
<b>Projects/activities required</b>	
1	Assessing of entry behaviour through entry level tests and personalised mentoring sessions for each first year batch ( 20 batches)
2	Provision of remedial coaching, module designing and printing of remedial learning materials
3	Specialised skill development workshops for enhancing the employability of backward, SC, ST students
<b>Sub goal 3 : Provision of infrastructure facilities for specially abled students</b>	
<b>Projects/activities required</b>	
1	Construction of lift facility for specially abled students in the main academic block
2	Construction of ramps for specially abled students in the campus
3	Construction of toilets for differently abled persons in the ground floor





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## Goal 2: Developing Quality Teaching & Learning processes

**Rationale:** Improving pass percentage, better student progression, improving accreditation status, familiarising latest technology to students, adopting a student-centred approach, enhancing the quality and accessibility of education while adhering to the National Curriculum Framework sets a high standard for educational excellence.

### Sub goal 1: Upgradation of classrooms incorporating ICT

#### Projects/activities required

- |   |                                             |
|---|---------------------------------------------|
| 1 | Converting classrooms into smart classrooms |
|---|---------------------------------------------|

### Sub goal 2 : Upgradation of UG, PG laboratories

#### Projects/activities required

- |   |                                                    |
|---|----------------------------------------------------|
| 1 | Renovation of UG and PG laboratories               |
| 2 | Purchase of new equipments for UG, PG laboratories |

### Sub goal 3 : Enhancing library facilities

#### Projects/activities required

- |   |                                                                                  |
|---|----------------------------------------------------------------------------------|
| 1 | Construction of new library block to cater to the increased strength of students |
| 2 | Purchase of furniture and computers for library                                  |

### Sub goal 4 : Enhancing the facilities for computation and language learning

#### Projects/activities required

- |   |                              |
|---|------------------------------|
| 1 | Construction of Language lab |
| 2 | Construction of Computer lab |

### Sub goal 5: Enhancing the student progression to premier academic institutions

#### Projects/activities required

- |   |                                                     |
|---|-----------------------------------------------------|
| 1 | JRF-NET coaching class in Post graduate departments |
|---|-----------------------------------------------------|





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## Goal 3: Enhancing excellence in research and increasing research output

**Rationale:** This goal is crucial in improving the quality of research output and academic accreditation scores by offering quality R&D facilities in key areas working in tandem with an openly accessible knowledge resource through a modernised digital library.

### Sub goal 1: Upgradation of facilities in Physics research centre

#### Projects/activities required

1	Renovation of research lab
2	Purchase of modern equipments

### Sub goal 2 : Enhancing the facilities in Commerce research centre

#### Projects/activities required

1	Renovation of research room
2	Purchase of new furniture
3	Purchase of computers, printers

### Sub goal 3 : Enhancing library facilities for research

#### Projects/activities required

2	Adding more systems for institutional Infflibnet use
3	Subscribing top class journals





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## Goal 4: Promoting innovation through the establishment incubation and technology development centre

**Rationale:** It fosters vital collaborations between academia and industry, promoting innovation, skill development, and employability thus ensuring that students gain practical, market-relevant knowledge and cognitive skills through rigorous monitoring and market-linked courses.

### Sub goal 1: Establishment of incubation centre

#### Projects/activities required

1	Construction of new space for incubation centre
2	Procuring furniture and systems for incubation centre

### Sub goal 2 :Support early-stage businesses and entrepreneurs

#### Projects/activities required

1	Provide access to experienced mentors and advisors who can offer guidance on business strategy, product development, etc. marketing
2	Provide co-working spaces or dedicated office spaces for startups
3	Provide startups with access to resources like libraries, research facilities of the college





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## Goal 5: Developing 21<sup>st</sup> Century skills by launching digital extension courses and initiatives

**Rationale:** This is essential to the development of a robust academia-industry-market ecosystem, addressing key challenges in innovation for Startups and MSMEs such as quality and affordable access to sophisticated testing facilities, cutting-edge equipment, intellectual support, and developing a skilled workforce in advanced fields such as aerospace, medical, defence, and high speed communication systems.

### Sub goal 1: Establishment of an Advanced Electromagnetics Engineering Lab (AEME Lab) for RF/Microwave/Wireless communication test and characterization.

#### Projects/activities required

1	Purchase of Vector Network Analyzer (VNA) with a frequency range of (1 MHz to 20 GHz).
2	Purchase of calibration kits and RF cables.
3	Purchase of 3D Printer
4	Purchase of 5 kVA UPS
5	Furnishing of the proposed lab space.

### Sub goal 2 : Training students in RF and wireless communication field

#### Projects/activities required

1	Support and develop manpower in Radio Frequency (RF) Engineering through training and internship.
2	Enrich experiential learning in RF and Microwave systems design through academia-industry linkages.
3	Training programmes in 3D Printing / PCB designing.

### Sub goal 3 : Identifying and supporting prospective entrepreneurs and MSMEs in RF and wireless communication field

#### Projects/activities required

1	Consultancy services for Microwave and Wireless systems design.
2	Facilitate accessible and affordable Microwave Material Characterization, Antenna characterization, EMI/EMC testing, RF circuit design, Frequency Selective Surface/Radar Absorber Characterization





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## Goal 6: Improving employability of students

**Rationale:** The academia-industry-market gap is significantly large in the current canvas which is to be addressed by supplementing the students with innovative courses, skill-based training, and competitive exam training.

### Sub goal 1: Launching innovative vocational courses

#### Projects/activities required

1	Organic cosmetology
2	Tourism and hospitality management
3	Fashion designing
4	Beautician course
5	Hair and skin care
6	Floral arrangement
7	Hair dressing
8	Jewellery designing
9	GST practitioner
10	PCB Designing and Fabrication
11	3D printing





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## Goal 7: Providing counselling and coaching programs on social, physical and entrepreneurial skills.

**Rationale:** The goal holds great importance because a student's academic journey can be quite challenging, compounded by personal life stressors. Therefore, coaching programs that concentrate on enhancing their personality, managing stress, developing social skills, providing physical training, and offering guidance in entrepreneurship are indispensable steps in this endeavour.

### Sub goal 1: Programme for providing Counseling and developing social skills

#### Projects/activities required

1	Interview Skills
2	Counselling sessions for students

### Sub goal 2 : Coaching Programmes for various sports and games

#### Projects/activities required

1	Sports Coaching
2	Yoga training class
3	Self defence Training

### Sub goal 3 : Coaching programme for developing entrepreneurial skills

#### Projects/activities required

1	Entrepreneurship development programs in association with Institution Innovation Council (IIC)
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## Goal 8: Implementation of good governance through computerised automated tools.

**Rationale:** This goal is cardinal as academic canvas mediates actions with the student mass, it is imperative to deploy computerization in governance thereby increasing the quality and quantity of related services. Typically these are facilitated via learning management systems, alumni portals, SMS notifications.

### Sub goal 1: LMS

#### Projects/activities required

1	Moodle based LMS implementation, SMS notification
2	Automatic Bell Management System

### Sub goal 2 : Alumni Management Portal

#### Projects/activities required

1	Purchase and Integration of Alumni portal in the website
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## DETAILED PROJECT REPORT

Sl.No.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
1	Provision of facilities for specially abled students	Goal 1: Enhancing equity for specially abled students by augmenting infrastructure and learning resources.	Installation of lift well, lift and accessories	Construction of new Infrastructure	20.00
			Ramp facility to the main block, canteen, retiring room	Construction of new Infrastructure	1.00
			Wheel chair	Purchase of Equipment & Furniture	0.25
			Special furniture in the library and laboratories	Purchase of Equipment & Furniture	0.27
			Toilet facility for differently abled in the ground floor of the main block	Construction of new Infrastructure	3.00
2	Construction of new toilets and renovation of Girls' retiring room	Goal 1: Enhancing equity for students by augmenting infrastructure	Construction of toilet block	Construction of new Infrastructure	10.00
			Tiling of floor of girls retiring room	Renovation & Maintenance of existing Infrastructure	1.00
			Installation of napkin vending machines 2 units	Purchase of Equipment & Furniture	0.50
			Installation of incinerators 2 units	Purchase of Equipment & Furniture	0.50
			Furniture including chairs, coats, bed, tables and cupboards	Purchase of Equipment & Furniture	0.50
3	Construction of new building for library, computer centre and incubation space	Goal 2: Enhancing the quality of teaching learning process Goal 3: Enhancing excellence in research Goal 4: Establishment of incubation centre	Two storeyed building of 12000 sq.ft., plumbing, electrical work	Construction of new Infrastructure	240.00
			Tube lift	Construction of new Infrastructure	7.00
			Desktop Computers for computer lab	Purchase of Equipment & Furniture	40.00
			Purchase of Printer for Computer Centre	Purchase of Equipment & Furniture	0.90





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Sl.N o.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
			Furnishing	Purchase of Equipment & Furniture	10.00
			AC	Purchase of Equipment & Furniture	4.50
4	Upgrading library facilities	Goal 2: Enhancing the quality of teaching learning process	Furniture for library	Purchase of Equipment & Furniture	19.25
5	Provision of digital infrastructure facility for language learning	Goal 2: Enhancing the quality of teaching learning in language learning	Purchase of computers and softwares for language lab	Purchase of Equipment & Furniture	11.00
			Smart boards and projectors	Purchase of Equipment & Furniture	11.00
6	Setting up of Digital technology centre	Goal 3: Enhancing excellence in research and research output Goal 4 : Establishment of incubation centre Goal 5: Developing 21st Century skills by launching Digital extension courses and initiatives	Purchase of Vector Network Analyzer and accessories (1 MHz to 20 GHz)	Purchase of Equipment & Furniture	23.00
			Purchase of 5 kVA UPS	Purchase of Equipment & Furniture	0.35
			Purchase of Air Conditioner	Purchase of Equipment & Furniture	0.50
			Purchase of 3D Printer	Purchase of Equipment & Furniture	0.85
7	Launching vocational courses and linkages with industries.	Goal 6 : Improving employability of students	Organic Cosmetology	Vocational courses and coaching classes	0.60
			Tourism And Hospitality Management	Vocational courses and coaching classes	0.60
			Fashion Designing	Vocational courses and coaching classes	0.60
			Beautician Course	Vocational courses and coaching classes	0.60
			Hair And Skin Care	Vocational courses and coaching classes	0.60
			Certificate Course On Pcb Designing And Fabrication	Vocational courses and coaching classes	0.60
			Certificate Course On 3d Printing	Vocational courses and coaching classes	0.60





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Sl.N o.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
			Floral Arrangement	Vocational courses and coaching classes	0.60
			Hair Dressing	Vocational courses and coaching classes	0.60
			Gst Practitioner	Vocational courses and coaching classes	0.60
			Jewellery Designing	Vocational courses and coaching classes	0.60
7	Upgrading research centre in Physics	Goal 3: Enhancing excellence in research and research output	Refrigerated Centrifuge	Purchase of Equipment & Furniture	2.50
			Electronic Weighing Balance	Purchase of Equipment & Furniture	0.80
			UV-Visible Spectrophotometer	Purchase of Equipment & Furniture	2.50
			High end desktop	Purchase of Equipment & Furniture	0.60
			Fume Hood/Chimney (2)	Purchase of Equipment & Furniture	0.50
			Printer with scanner	Purchase of Equipment & Furniture	0.20
			Probe sonicator	Purchase of Equipment & Furniture	2.50
			Magnetic stirrer with hot plate (2)	Purchase of Equipment & Furniture	0.32
8	Upgrading research centre in Commerce	Goal 3: Enhancing excellence in research and research output	Laser Printer with scanner(nos 2)	Purchase of Equipment & Furniture	0.50
			Projector(3)	Purchase of Equipment & Furniture	0.75
			Computer lab chairs	Purchase of Equipment & Furniture	0.25
			New Cupboards for Commerce Research centre	Purchase of Equipment & Furniture	0.50
			Inverter with UPS(Nos2)	Purchase of Equipment & Furniture	0.50
			Display Boards	Purchase of Equipment & Furniture	0.10





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Sl.N o.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
			wireless mic with speaker(Nos 2)	Purchase of Equipment & Furniture	0.05
			Portable Voice Amplifier with Wired Microphone & Speaker(Nos2)	Purchase of Equipment & Furniture	0.50
			Desktop computer full set (Nos 6)	Purchase of Equipment & Furniture	2.50
			Research Room Renovation	Renovation & Maintenance of existing Infrastructure	2.30
9	Skill development Courses	Goal 7 : Providing counselling and coaching programs focused on social, physical and entrepreneurial skills.	Yoga coaching	Vocational courses and coaching classes	0.60
			Sports coaching	Vocational courses and coaching classes	2.00
			Interview skills	Vocational courses and coaching classes	0.60
			Entrepreneurship development programs	Vocational courses and coaching classes	0.60
			Counselling programs	Vocational courses and coaching classes	0.60
			Self defence	Vocational courses and coaching classes	0.60
10	Enhancing the student progression to premier academic institutions	Goal 2: Developing Quality Teaching & Learning processes	JRF-NET coaching class in Physics	Vocational courses and coaching classes	0.60
			JRF-NET Coaching in Commerce	Vocational courses and coaching classes	0.60
11	Digital technology for governance	Goal 8 : Better governance	Alumni portal	Purchase of Equipment & Furniture	5.00
			Provision of LMS in the website	Purchase of Equipment & Furniture	5.00
12	Renovation and upgrading of Chemistry Laboratory	Goal 2: Enhancing the quality of teaching-learning process	Re-tiling of laboratory workspace	Renovation & Maintenance of existing Infrastructure	3.00
			Laboratory flooring	Renovation & Maintenance of existing Infrastructure	4.00





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Sl.N o.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
			Plumbing	Renovation & Maintenance of existing Infrastructure	3.00
			Renovation of laboratory cupboard	Renovation & Maintenance of existing Infrastructure	1.00
13	Renovation and upgrading of Zoology laboratory	Goal 2: Enhancing the quality of teaching-learning process	Laboratory flooring renovation	Renovation & Maintenance of existing Infrastructure	2.50
			Lab bench tiling and plumbing	Renovation & Maintenance of existing Infrastructure	2.50
			Chemical store renovation	Renovation & Maintenance of existing Infrastructure	2.00
			Museum renovation	Renovation & Maintenance of existing Infrastructure	3.00
14	Renovation and upgrading of Botany laboratory	Goal 2: Enhancing the quality of teaching-learning process	Incubator	Purchase of Equipment & Furniture	0.35
			Shaker Incubator	Purchase of Equipment & Furniture	0.35
			WaterBath	Purchase of Equipment & Furniture	0.25
			Autoclave	Purchase of Equipment & Furniture	0.35
			Distillation Unit	Purchase of Equipment & Furniture	0.25
			Hot Air Oven	Purchase of Equipment & Furniture	0.40
			Optical Microscopes (1 Nos.)	Purchase of Equipment & Furniture	0.25
			Micropipette (adjustable)(100 microlitres-1000 microlitres)	Purchase of Equipment & Furniture	0.10





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Sl.N o.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
			Micropipette (adjustable)(10 microlitres-100 microlitres)	Purchase of Equipment & Furniture	0.20
			Laboratory Cupboards renovation	Renovation & Maintenance of existing Infrastructure	1.00
			New Cupboards for Botany Lab	Purchase of Equipment & Furniture	2.00
			Botany Lab Renovation	Renovation & Maintenance of existing Infrastructure	3.00
			Botany Museum Renovation	Renovation & Maintenance of existing Infrastructure	1.00
			Herbal Garden Renovation	Renovation & Maintenance of existing Infrastructure	0.50
15	Renovation and upgrading of Biochemistry laboratory	Goal 2: Enhancing the quality of teaching-learning process	Colorimeter	Purchase of Equipment & Furniture	0.60
			Spectrophotometer	Purchase of Equipment & Furniture	2.00
			Refrigerator	Purchase of Equipment & Furniture	0.40
			Water bath	Purchase of Equipment & Furniture	0.50
			Microscope	Purchase of Equipment & Furniture	0.50
			Laboratory augmentation	Renovation & Maintenance of existing Infrastructure	1.00
16	Renovation and upgrading of Biotechnology laboratory	Goal 2: Enhancing the quality of teaching-learning process	Apparatus with Power Unit for Agarose Gel Electrophoresis	Purchase of Equipment & Furniture	1.00
			Weighing balance	Purchase of Equipment & Furniture	0.40
			Laminar Airflow Chamber	Purchase of Equipment & Furniture	0.60





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Sl.N o.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
			Laboratory renovation	Renovation & Maintenance of existing Infrastructure	3.00
17	Renovation and upgrading of Physics laboratory	Goal 2: Enhancing the quality of teaching-learning process	Laboratory augmentation	Renovation & Maintenance of existing Infrastructure	5.00
			A/c Sono Meter coil with transformer	Purchase of Equipment & Furniture	0.11
			Ammeter 0-1,0-10	Purchase of Equipment & Furniture	0.04
			Milli Ammeter 0-100,100-500	Purchase of Equipment & Furniture	0.02
			Galvanometer	Purchase of Equipment & Furniture	0.01
			Micro Ammeter	Purchase of Equipment & Furniture	0.03
			Voltmeter 0-10, 0-50	Purchase of Equipment & Furniture	0.05
			power Supply	Purchase of Equipment & Furniture	0.28
			Dimmerstat	Purchase of Equipment & Furniture	0.17
			Trainer kit-IC	Purchase of Equipment & Furniture	0.39
			Sodium Vapour Bulb and Chock	Purchase of Equipment & Furniture	0.17
			Mercury Bulb and Chock	Purchase of Equipment & Furniture	0.03
			Newton's Ring Apparatus	Purchase of Equipment & Furniture	0.24
			Power Supply	Purchase of Equipment & Furniture	0.24
			Signal Generator	Purchase of Equipment & Furniture	0.38
			Dual power supply	Purchase of Equipment & Furniture	0.40





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Sl.N o.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
			Potentiometer	Purchase of Equipment & Furniture	0.15
			Microscope	Purchase of Equipment & Furniture	0.36
			Telescope	Purchase of Equipment & Furniture	0.19
			Tangent Galvanometer	Purchase of Equipment & Furniture	0.03
			Multimeter	Purchase of Equipment & Furniture	0.15
			Transformer board	Purchase of Equipment & Furniture	0.04
			CRO	Purchase of Equipment & Furniture	0.54
			Melde's String Apparatus	Purchase of Equipment & Furniture	0.14
			Meter Bridge	Purchase of Equipment & Furniture	0.06
			Seebeck effect Apparatus	Purchase of Equipment & Furniture	0.13
			Decade inductance Box	Purchase of Equipment & Furniture	0.05
			Cornu's Apparatus	Purchase of Equipment & Furniture	0.24
			Moving Coil Galvanometer	Purchase of Equipment & Furniture	0.01
			Planck's constant	Purchase of Equipment & Furniture	0.43
			Electronic Weighing Machine	Purchase of Equipment & Furniture	0.17
			Constant pressure Head Apparatus	Purchase of Equipment & Furniture	0.04
			Static Torsion Apparatus	Purchase of Equipment & Furniture	0.14
			Viscosity Apparatus	Purchase of Equipment & Furniture	0.04







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Sl.N o.	Project / activities proposed	Goal achieved	Description of activities	Expenditure Head	Financial outlay (in lakhs)
			Peltier Apparatus	Purchase of Equipment & Furniture	0.13
			Malus Apparatus	Purchase of Equipment & Furniture	0.24
			Solar Cell Apparatus	Purchase of Equipment & Furniture	0.13
			E/M Apparatus	Purchase of Equipment & Furniture	0.28
			E/K Apparatus	Purchase of Equipment & Furniture	0.12
			Photoelectric Apparatus	Purchase of Equipment & Furniture	0.32
			pH metre	Purchase of Equipment & Furniture	0.07
			Induction cooktop	Purchase of Equipment & Furniture	0.03
			Sonicator	Purchase of Equipment & Furniture	0.18
			Glasswares	Purchase of Equipment & Furniture	0.15
			Laboratory rack	Purchase of Equipment & Furniture	0.25
			Lab Chairs	Purchase of Equipment & Furniture	0.20
			Display Boards	Purchase of Equipment & Furniture	0.40





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## ACTIVITY JUSTIFICATION

Project / activities proposed	Description of activities	Justification
Provision of facilities for specially abled students	Installation of lift well, lift and accessories	The main academic block is a three storied building and there is no escalator facility in the building.
	Ramp facility to the main block, canteen, retiring room	The existing ramps are made of metal. There are no ramps to canteen and girls retiring room
	Wheel chair	There is no wheel chair available at present.
	Furniture in the library and laboratories	The library and labs lack chairs and tables which are suitable for specially abled students.
	Toilet facility in the ground floor	There are no specially abled friendly toilets in the college.
Renovation of Girls' retiring room	Tiling of floor	The present flooring is cement based which is difficult to clean. For maintaining a hygienic environment in toilets, Tiling is mandatory.
	Installation of napkin vending machines 2 units	Girl students being a majority in the institution, it is essential to consider the hygienic needs by installing napkin vending machines.
	Installation of incinerators 2 units	Incinerators are necessary to disintegrate non-biodegradable wastes such as sanitary pads and manage its safe disposal.
	Furniture including chairs, coats, bed, tables and cupboards	Adequate number of chairs and coats are to be provided in the girls' retiring room.
Construction of new building for library and incubation centre	Two storied building of 12000 sq.ft., plumbing, electrical work	Student strength of the college has increased over the past ten years but the area of the library has not increased to cater to this increased number.





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Project / activities proposed	Description of activities	Justification
	Tube lift	To make the new building disabled-friendly, a tube lift is proposed for installation.
Upgrading library facilities	Furniture for library	Library needs extensive furniture such as chairs, tables, book shelves, and racks.
	Subscribing to top class journals	Journals are the source of leading trends in research in any discipline. It is obligatory to provide students with digital access to these resources.
Setting up of Digital technology centre	Vector Network Analyzer and accessories (1 MHz to 20 GHz)	This instrument is fundamental and essential for characterising RF and microwave components, enabling precise measurements for research and development. To ensure accurate measurements, calibration kits and high-quality RF cables are necessary to maintain the integrity of the testing environment.
	5 kVA UPS	To safeguard expensive equipment and experiments, a reliable uninterruptible power supply (UPS) is crucial to prevent data loss or damage due to power disruptions.
	Air Conditioner	To maintain all the sophisticated instrumentation facilities under a non-ionic, temperature-regulated, low-humidity environment.
	3D Printer	A 3D printer will facilitate rapid prototyping and innovation in RF component design, aiding students, researchers and startups in practical applications.
Upgrading research centre in Physics	Refrigerated Centrifuge	This is indispensable in biological studies, where higher temperature might damage the sample.
	Electronic Weighing Balance	As most of the research work is based on chemicals, accuracy in weighing them is very important, which can be done using a highly precise Electronic weighing balance.





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Project / activities proposed	Description of activities	Justification
	UV-Visible Spectrophotometer	Useful for optical density measurements of bacteria/ fungus for antimicrobial peptide and nanomaterial research , to check the purity of biomolecules- nucleic acids & in enzyme assays,for the quantitative determination of different analytes. .
	High end desktop	Research Purpose
	Fume Hood/Chimney (2)	Research Purpose
	Printer with scanner	Research Purpose
	Probe sonicator	Research Purpose
	Magnetic stirrer with hot plate (2)	Research Purpose
Upgrading research centre in Commerce	Laser Printer with scanner(nos 2)	For Research Purpose
	Projector(3)	For Research Presentation
	Computer lab chairs	Additional furniture for research students
	New Cupboards for Commerce Research centre	For keeping projects, books and journals
	Inverter with UPS(Nos2)	Back up in research lab during power failure
	Display Boards	Exhibiting details of the research centre
	wireless mic with speaker(Nos 2)	For Research Presentation
	Portable Voice Amplifier with Wired Microphone & Speaker(Nos2)	For Research Presentation
	Desktop computer full set (Nos 6)	For Research Purpose





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Project / activities proposed	Description of activities	Justification
	Research Room Renovation	To accommodate more number of researchers
Renovation and upgrading of Chemistry Laboratory	Re-tiling of laboratory work space	Over time, infrastructure such as plumbing, electrical systems, and ventilation has deteriorated. Renovation provides an opportunity to update these essential components to prevent potential hazards and disruptions.
	Laboratory flooring renovation and plumbing	
	Chemical store room renovation	
	Laboratory cupboards renovation	
Renovation and upgrading of Zoology Laboratory	Laboratory flooring renovation	Renovating a zoology lab is essential for maintaining its functionality, safety, and competitiveness in both research and education. It enables the lab to stay up-to-date with technological advancements, adapt to changing research needs, and ensure the safety and well-being of its users.
	Lab bench tiling and plumbing	
	Chemical store renovation	
	Museum renovation	
Renovation and upgrading of Physics Laboratory	Laboratory augmentation	Augmenting or upgrading a physics lab is essential to ensure that it remains a state-of-the-art, safe, and effective environment for scientific experimentation and education.
	A/c Sono Meter coil with transformer	For UGand PG Practical purposes
	Ammeter 0-1,0-10	For UGand PG Practical purposes
	Milli Ammeter 0-100,100-500	For UGand PG Practical purposes
	Galvanometer	For UGand PG Practical purposes
	Micro Ammeter	For UGand PG Practical purposes





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Project / activities proposed	Description of activities	Justification
	Voltmeter 0-10, 0-50	For UG and PG Practical purposes
	Power Supply	For UG and PG Practical purposes
	Dimmerstat	For UG and PG Practical purposes
	Trainer kit-IC	For UG and PG Practical purposes
	sodium Vapour Bulb and Chock	For UG and PG Practical purposes
	Mercury Bulb and Chock	For UG and PG Practical purposes
	Newton's Ring Apparatus	For UG and PG Practical purposes
	Power Supply	For UG and PG Practical purposes
	Signal Generator	For UG and PG Practical purposes
	Dual power supply	For UG and PG Practical purposes
	potentiometer	For UG and PG Practical purposes
	Microscope	For UG and PG Practical purposes
	Telescope	For UG and PG Practical purposes
	Tangent Galvanometer	For UG and PG Practical purposes
	Multimeter	For UG and PG Practical purposes
	Transformer board	For UG and PG Practical purposes
	CRO	For UG and PG Practical purposes
	Melde's String Apparatus	For UG and PG Practical purposes
	Meter Bridge	For UG and PG Practical purposes





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Project / activities proposed	Description of activities	Justification
	Seeback effect Apparatus	For UGand PG Practical purposes
	Decade inductance Box	For UGand PG Practical purposes
	Cornu"s Apparatus	For UGand PG Practical purposes
	Moving Coil Galvanometer	For UGand PG Practical purposes
	Planck's constant	For UGand PG Practical purposes
	Electronic Weighing Machine	For UGand PG Practical purposes
	Constant pressure Head Apparatus	For UGand PG Practical purposes
	Static Torsion Apparatus	For UGand PG Practical purposes
	Viscosity Apparatus	For UGand PG Practical purposes
	Peltier Apparatus	For UGand PG Practical purposes
	Malus Apparatus	For UGand PG Practical purposes
	Solar Cell Apparatus	For UGand PG Practical purposes
	E/M Apparatus	For UGand PG Practical purposes
	E/K Apparatus	For UGand PG Practical purposes
	Photoelectric Apparatus	For UGand PG Practical purposes
	pH meter	For UGand PG Practical purposes
	Induction cooktop	For UGand PG Practical purposes
	Sonicator	For UGand PG Practical purposes
	Glass wears	For UGand PG Practical purposes





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Project / activities proposed	Description of activities	Justification
	Laboratory rack	For UGand PG Practical purposes
	Lab Chairs	For UGand PG Practical purposes
	Display Boards	For UGand PG Practical purposes
Renovation and upgrading of Botany laboratory	Incubator	For culturing bacteria
	Shaker Incubator	For liquid state fermentation
	WaterBath	For doing enzyme assays and other analytical purpose
	Autoclave	For sterilising culture media
	Distillation Unit	For the preparation of reagents
	Hot Air Oven	For drying and sterilisation of glass wares
	Optical Microscopes (1 Nos.)	For anatomical and histological studies
	Micropipette (adjustable)(100 microlitres-1000 microlitres)	For taking accurate volumes especially for assay
	Micropipette (adjustable)(10 microlitres-100 microlitres)	For taking accurate volumes especially for assay
	Laboratory Cupboards repair	For Keeping the glass wares, Pipettes etc
	New Cupboards for Botany Lab	For keeping, microscopes, glasswares, chemicals
	Botany Lab Renovation	Infrastructure improvement
Botany Museum Renovation	New specimens to be added	
Herbal Garden Renovation	New collection of medicinal plants and herbs to be added	
Renovation and upgrading of Biochemistry	Colorimeter	For conducting enzyme assays and estimation of biomolecules







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Project / activities proposed	Description of activities	Justification
laboratory	Spectrophotometer	For conducting enzyme assays and estimation of biomolecules
	Refrigerator	For storing chemicals and reagents
	Water bath	For conducting enzyme assays and for other practicals
	Microscope	For conducting practicals
	Laboratory augmentation	Constraint of working and storage space
Renovation and upgrading of Biotechnology laboratory	Apparatus with Power Unit for Agarose Gel Electrophoresis	For Conducting practicals
	Weighing balance	For Conducting practicals
	Laminar Airflow Chamber	For Conducting Microbiology Practicals
	Laboratory renovation	Constraint of working and storage space
Launching vocational courses and linkages with industries.	Organic cosmetology	There is a growing consumer demand for organic and natural beauty and skincare products hence Offering an organic cosmetology course can be a valuable additional course for students
	Tourism and hospitality management	It addresses the needs of both students and the industry. It offers numerous career opportunities in areas such as hotels, restaurants, travel agencies, event management, and tourism marketing.
	Fashion designing	It addresses the needs of students interested in the fashion industry and contributes to economic and cultural development. The course provides a structured platform for students to explore their creative potential and develop their unique style.
	Beautician course	Skilled beauticians are in high demand because of the large population of the working women of Kochi city who need to be presentable most of the time.





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Project / activities proposed	Description of activities	Justification
	Hair and Skin care	Hair and skin care is a medically important aspect in every humans' life and hence there is a large gap in the number of skilled personnel and demand.
	Certificate course on PCB Designing and Fabrication	Circuit boards are integral to the electronics industry, which require a Specialised Skill Set. It opens a rewarding path to Career Opportunities, Entrepreneurship and Innovation.
	Certificate course on 3D printing	3D printing is a rapidly growing technology used in a wide range of industries, including manufacturing, healthcare, aerospace, automotive, and more. This course lays the foundations of this technology along with hands-on experiential learning.
	Floral arrangement	A floral arrangement course provides a structured platform for students to explore their artistic potential and develop their unique style.
	Hair Styling	The beauty and grooming industry is continually growing, and hair styling is a vital component of this sector. Offering a hair styling course prepares students for a wide range of career opportunities, including working in salons, spas, and as freelance stylists.
	Jewellery Designing	Jewellery designing course is offered to artistically creative minds who exhibit a tinge of fashion. The demand for these products are also never diminishing which can provide an income source to these students.
Launching various Skill development Courses	Yoga coaching	Yoga is known for its numerous physical, mental, and emotional health benefits. Offering a yoga coaching course promotes well-being by teaching students how to achieve and maintain a healthy lifestyle.
	Purchase of various sports equipments to facilitate coaching	Sports equipment is needed for the physical fitness requirements of students, especially for physically active students.





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Project / activities proposed	Description of activities	Justification
	Interview skills	Job seekers need special training for facing interviews. This programme supports them.
	Entrepreneurship development programs	Entrepreneurship is a skill that involves mobilisation and channelization of human resources, strategies for systems coordination in a business. This skill is very rare to be seen inherently, but can be cultivated in students through proper training.
	Counselling programs	Counselling is vital to academic institutions as the students undergo significant stress from personal as well as academics. Counselling provides stress management techniques and increases academic success-rate.
	Self defence	Courses on self defence is an all-time requisite which is seldom neglected in the busy academic schedule. This course provides fundamental insights.
Coaching Classes	JRF and NET Coaching in Physics and Commerce	For Enhancing the student progression to premier academic institutions
Use of digital technology in governance	Alumni portal	Alumni are an invaluable pool of human resource with an emotional bonding to the institute. It is therefore needed to provide a portal for coordinating the activities of them thereby the current students get exposure and first hand experience of what they are into the future.
	Provision of LMS in the website	A learning management system is crucial in the academic workflow by assisting both the teachers and students through a digital platform for sharing contents, monitoring progress, notification of important events, and feedback.





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## TIMELINE FOR THE ACTIVITIES PROPOSED UNDER IDP

Sl. No.	Proposed activity	Year 1	Year 2
1.	New construction (Spacious Library, Computer centre and Incubation space) + Furnishing)		
2	Computers, Printer for computer lab		
3	Lift facility for Differently abled students in main academic block		
4	Construction of ramps, furniture and toilet for differently abled in the main academic block		
5	Renovation of girls retiring room		
6.	Construction of new toilet complex for students		
7.	Setting up of Digital technology centre		
8.	Converting existing classrooms into smart classrooms		
9.	Language lab		
10	Renovation and upgradation of science laboratories		
11	Renovation and upgradation of Commerce and Physics research centres		
12	Providing 11 Vocational courses for students		
13	Providing skill development courses		
14	Purchase of sports equipments for coaching		
15	Providing JRF-NET coaching in Physics and Commerce		
16	Implementation of digital technology in governance		





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## PROPOSAL FOR INSTITUTION DEVELOPMENT

Expenditure Head	Financial outlay (in lakhs)
Construction of new infrastructure	281.00
Purchase of Equipment & Furniture	167.40
Renovation & Maintenance of existing infrastructure	38.80
Vocational courses and coaching classes	12.80
<b>Grand Total</b>	<b>500.00</b>





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## Proposal - I Construction of new infrastructure

Description of activities	Financial outlay (in lakhs)
Two storeyed building of 12000 sq.ft.	240.00
Construction of of lift well, lift and accessories	20.00
Construction of toilet block	10.00
Tube lift	7.00
Toilet facility for differently abled in the ground floor of the main block	3.00
Ramp facility to the main block, canteen, retiring room	1.00
<b>Total</b>	<b>281.00</b>

## Proposal - II Purchase of Equipment & Furniture

Description of activities	Financial outlay (in lakhs)
Purchase of Computers, Printers, Scanners, Smart boards, Projectors, Inverters, UPS, ICT	68.85
Laboratory equipments	48.578
Furniture	33.97
Softwares	10.00
Air conditioners	5.00
Napkin vending machines	0.50
Incinerators	0.50
<b>Total</b>	<b>167.40</b>





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## Proposal - III Renovation & Maintenance of Existing Infrastructure

Description of activities	Financial outlay (in lakhs)
Laboratory Renovation	29.00
Zoology museum renovation	3.00
Research room renovation	2.30
Chemical store renovation	2.00
Tiling of floor of girls' retiring room	1.00
Botany museum renovation	1.00
Herbal garden renovation	0.50
<b>Total</b>	<b>38.80</b>

## Proposal - IV Vocational courses and coaching classes

Description of activities	Financial outlay (in lakhs)
Vocational courses	6.60
Coaching classes for skill development	6.20
<b>Total</b>	<b>12.80</b>





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## OUTPUT - OUTCOME MATRIX OF PROJECTS PROPOSED

OUTPUT	OUTCOME
<b>Inclusion of women, minorities, SC,ST, OBC and specially abled students</b>	
Enhancing facilities for girls in the college through creation and expansion of infrastructure	Enhances equity, access and inclusion of the underprivileged groups and increases student enrollment ratio
Personalised need based mentoring, remedial coaching and personality development sessions for students belonging to backward, SC, ST communities	
Provision of infrastructure facilities for specially abled students	
<b>Developing Quality Teaching &amp; Learning processes</b>	
Upgradation of classrooms incorporating ICT	Increases pass percentage and student progression and improves NAAC accreditation status.
Upgradation of UG, PG laboratories	
Enhancing library facilities	
<b>Enhancing excellence in research and increasing research output</b>	
Upgradation of facilities in research centres	Increases the number of research publications, and Ph.Ds, and improves NAAC accreditation status.
Enhancing library facilities for research	
<b>Promoting innovation through the establishment incubation and technology development centre</b>	
Establishment of incubation centre	Promotes innovation and entrepreneurship among students, improves NIRF Innovation Ranking of the institution
Support early-stage businesses and entrepreneurs	







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OUTPUT	OUTCOME
<b>Launching digital extension initiatives and courses</b>	
Establishment of an Advanced Electromagnetics Engineering Lab (AEME lab) for RF/Microwave/Wireless communication test and characterization.	Develops a robust academia-industry-market ecosystem in advanced fields of technology. Improves NIRF Innovation Ranking
Training students in RF and wireless communication field	
Identifying and supporting prospective entrepreneurs and MSMEs in RF and wireless communication field.	
<b>Providing vocational education to students</b>	
Launching innovative vocational courses to develop 21st Century skills	Increases employability of students and the number of campus placements.
Enhancing the linkages with industries	
<b>Providing counselling and coaching programs focused on social, physical and entrepreneurial skills.</b>	
Counselling programmes for developing social skills	Strengthens student support system and enhances overall student performance in the campus
Coaching programmes for various sports and games	
Coaching programme for developing entrepreneurial skills	
<b>Implementation of good governance through computerised automated tools.</b>	
Moodle based LMS implementation	Better governance and alumni engagement
Automated time indicating alarm system	
Alumni Management Portal	





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## 8 Conclusion

The Cochin College's Sustained Institutional Growth Plan outlines a comprehensive strategy aimed at securing the long-term success and relevance of the institution. By focusing on academic autonomy, strengthening industry linkages, ensuring financial sustainability, promoting research, innovation, and entrepreneurship, optimizing resource efficiency, and enhancing infrastructure, the College is well-positioned to achieve its goals.

These initiatives, combined with the active engagement of our alumni and the strategic pursuit of funding opportunities, will enable The Cochin College to continue providing high-quality education and making a significant impact on the community and beyond. We are confident that this plan will guide the College through the challenges and opportunities of the future, ensuring sustained growth and excellence in all areas.

