



CHRIST COLLEGE OF ENGINEERING

IRINJALAKUDA



WELCOMES
NBA PEER TEAM MEMBERS

PRESENTED BY
Dr. SAJEEV JOHN
PRINCIPAL

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Established in	2015 as a Private Self-Financing Engineering College
Approved by	AICTE, New Delhi on 30/04/2015
Affiliated to	APJ Abdul Kalam Technological University (APJAKTU), Kerala
Managed by	Devamatha Province of the Carmelites of Mary Immaculate (CMI), Thrissur, Kerala

AREA OF CAMPUS

10 Acres

BUILT-UP AREA

15022 sq.m

LOCATION

At the heart of Irinjalakuda Municipality

CMI Congregation has Schools (555), Professional Education Centers (62), Hospitals (10), Medical Colleges (1) Cultural & Communication Centers(42)

MAJOR SISTER ORGANISATIONS

- Christ University, Bangalore (1969)
- Christ College Autonomous (Arts), Irinjalakuda (1956)
- Rajagiri College of Social Sciences (Autonomous), Kochi (1955)
- Amala Institute of Medical Sciences, Thrissur (1978)
- Sacred Heart College, Thevara, Kochi (1944)

INSTITUTE PROFILE (CONT.)

CE

B.Tech in Civil Engineering (60)



1089 Students

CSE

B.Tech in Computer Science & Engineering (60+60*)



72 Faculty Members

ECE

B.Tech in Electronics & Communication Engineering (60)



18 Technical Staff

EEE

B.Tech in Electrical & Electronics Engineering (60)



13 Administrative Staff

ME

B.Tech in Mechanical Engineering (60)

*Newly sanctioned seats in 2023-2024

INSTITUTION VISION AND MISSION

VISION



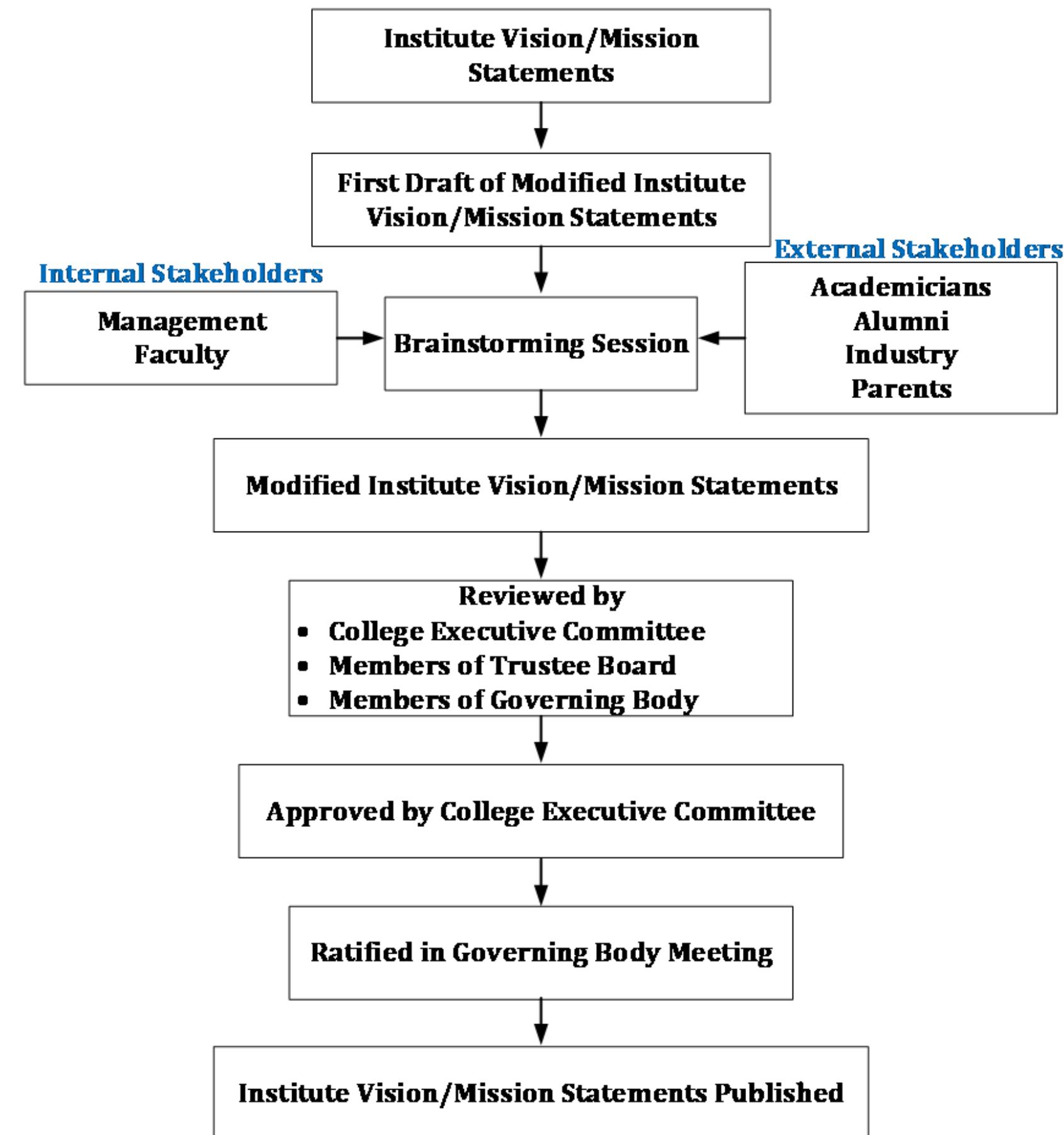
To be a premier technical institution that nurtures professionally competent and socially responsible engineers through quality technical education, training and research.

MISSION



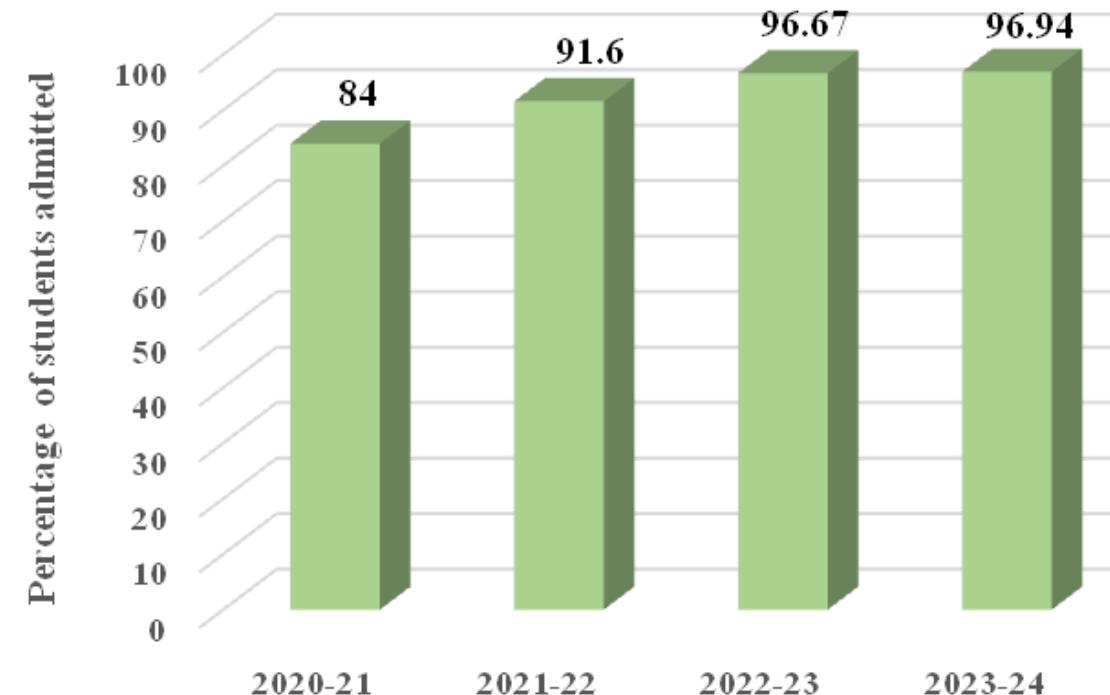
- Implement state-of-the-art teaching-learning practices with qualified faculty and supportive infrastructure to impart knowledge in modern technologies.
- Create a quality education system that encourages faculty and students to involve in meaningful research for the benefit of society.
- Inculcate leadership qualities, ethical values and foster professionalism with the spirit of innovation and lifelong learning.

INSTITUTE VISION & MISSION FORMULATION

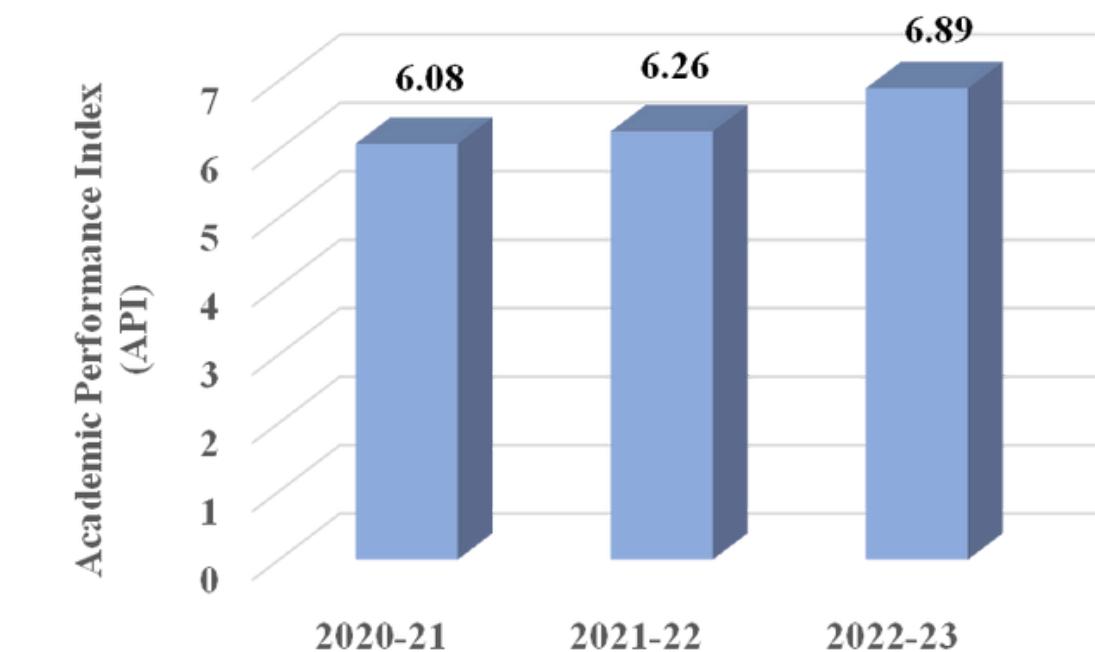


HIGHLIGHTS

Admission (92.3%)

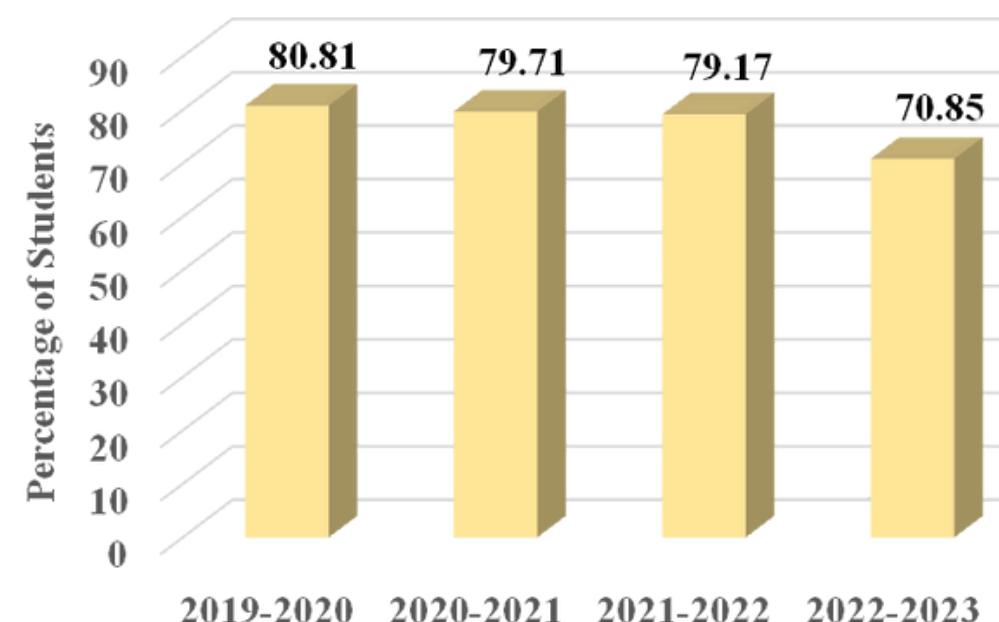


Academic Performance Index- API (6.41)

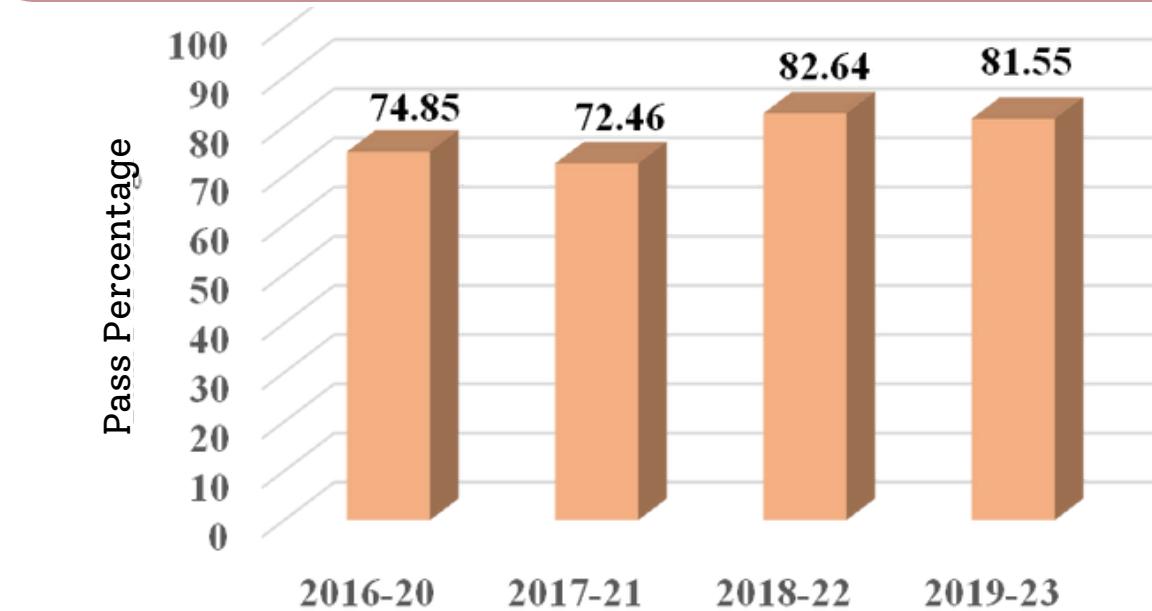


API=Average CGPA*
Pass percentage

Placements, Higher Studies & Entrepreneurship(77.64%)



Pass Percentage (77.88%)



INSTITUTE LEVEL ACHIEVEMENTS

- Christ College of Engineering was at **1st position** among self financing colleges and in **5th position among all 142 colleges** in the Academic Performance Index (API) score published by APJAKTU for 2018-2022.
- Innovation and Enterpreneurship Cell (IEDC) of our college received **first runner-up in the state** (among 425 colleges) in the Innovators Premier League (IPL) 2022 hosted by Kerala Start-up Mission, Kochi.
- Kerala start up mission recognized IEDC, CCE as a “Technology Business Incubator”in 2022.
- Obtained **4 star rating** for Institution’s Innovation Cell (IIC) from Ministry of Education, Govt. of India in 2021.
- An **IT company (Talrop)** started its operation in 2021 **in the campus.**
- Foreign collaborations:
Kyungpook National University, South Korea
Western Institute of Technology, Taranaki, New Zealand.

BTECH 2018-2022 BATCH ACADEMIC PERFORMANCE INDEX (as on 01/08/2022, date of declaration of result)		
SL NO	Institution	Academic Performance Index
1	COLLEGE OF ENGINEERING TRIVANDRUM	7.16
2	GOVT. ENGINEERING COLLEGE, BARTON HILL	6.78
3	MODEL ENGINEERING COLLEGE	6.69
4	GOVERNMENT ENGINEERING COLLEGE THRISSUR	6.28
5	CHRIST COLLEGE OF ENGINEERING	6.26
6	RAJIV GANDHI INSTITUTE OF TECHNOLOGY,KOTTAYAM	6.15
7	MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM	6.13
8	MUTHOOT INSTITUTE OF TECHNOLOGY & SCIENCE	6.02
9	NSS COLLEGE OF ENGINEERING	5.70
10	DAYAVIDIP SCHOOL OF ENGINEERING & TECHNOLOGY	5.65

API published by University

BEST PRACTICES

A STRONG MENTOR-MENTEE SYSTEM

- Faculty advisors meet their students at least once in a month for a personal interaction
- Each faculty advisor visits the house of students at least once during their course of study

IMPACT:

- Good rapport with parents and students
- Financial support provided to needy students
- Motivation during isolation due to COVID

PRODUCT DEVELOPMENT

- Encourage product development through project based learning
- Through mentorship of faculty and senior students, product development encouraged from first year onwards

IMPACT:

- Entrepreneurship skills are developed
- More than 30 products developed in campus
- Students received seed funding of Rs. 6.5 lakhs from various funding agencies

ACADEMIC SUPPORT THROUGH REMEDIAL SESSION

- Slow learners are identified based on their performance in internal exams
- To support slow learners additional sessions are delivered

IMPACT:

- Good academic performance
- Significant improvement is observed in many students who needed extra care

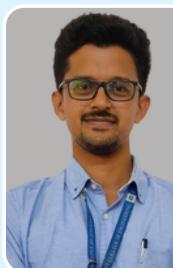
FACULTY ACHIEVEMENTS

BEST WOMEN RESEARCHER AWARD



Ms. Bhagyasree P. V.
International Conference(ICCIES-2021) at
Maharashtra

BEST PROFESSIONAL MEMBER AWARD 2023 SAE CHAPTER



Mr. Dony Dominic

BEST FACULTY CORDINATOR OF PMI KERALA CHAPTER 2023



Mr. Roshan David

COMPLETED NPTEL CORE COURSE WITH LAURELS



Mr. Tony C Thomas
Elite+Gold and Top 1%



Ms. Vinitha Sharon
Elite+Gold and Top 2%



Mr. Nithin K.S
Elite+Gold and Top 2%

UNIVERSITY TRANSLATOR BY AICTE WITH A GRANT OF RS. 1 LAKH EACH



Dr. Vishnu P. M



Mr. Nithin K.S



Mr. Tony C Thomas

COMPLETED Ph.D DURING ASSESSMENT YEARS



Dr. Sijo M. T
Calicut University



Dr. Needu Varghese
Calicut University



Dr. Vishnu P M
Calicut University

SELECTED FOR ENTREPRENEURSHIP TRAINING WORTH RS.1.5 LAKHS FROM KSUM



Ms. Aswathy P
Sajeev



Ms. Jasmine
Jolly



Dr. Nandhini J Warrier
NIT, Calicut



Dr. Krishnapriya M.G
M. G University



Dr. Rahul Manohar O
CUSAT

STUDENT ACHIEVEMENTS

ACADEMIC EXCELLENCE



Ms. Gopika M
(2017-2021EEE Batch)
APJAKTU 3rd Rank



Rhithik Raj
(2019-23 ECE Batch)
APJAKTU 8th Rank



ARCHITECTS AND ENGINEERS ASSOCIATION, THRISSUR DISTRICT



Victor Vincent
(2019-23 Batch- ME)
**Best Student Award ME-
2022**



Rhithik Raj
(2019-23 Batch-ECE)
**Best Student Award EC-
2022**



Angel Rose Henson
(2019-23 Batch- CE)
**Best Student Award
CE-2022**

**CHIEF MINISTERS
STUDENT EXCELLENCE
AWARD
(Rs. 1 Lakh Each)
16 Students**
**(2017-2021 Batch –CE, CSE,
EEE, ME)**

STUDENT ACHIEVEMENTS

International Level

SL. NO.	NAME OF STUDENT	EVENT	YEAR	ACHIEVEMENT
1	Narasimha Thejas M P (ME), Chitralekha M P (CSE) and Ajmal V A (EEE)	Singapore Autonomous Underwater Vehicle Challenge 2022	September 2022	Participated & Represented APJAKTU



Singapore Autonomous Underwater Vehicle Challenge 2022

National Level

SL. NO.	STUDENT	EVENT	YEAR	ACHIEVEMENT
1	Students from ECE and CSE	Smart India Hackathon 2020 Software Edition	March 2020	First Prize with Rs. 1 lakh
2	Students from ME	SAE Bicycle Design Competition, Sathyamangalam	March 2022	First Prize
3	Students from ME and EEE	SAE E-Baja Competition, Himachal Pradesh	September 2022	Participated



SAE Bicycle Design Competition 12/54

FACULTY CENTRIC POLICIES

HR policy is maintained . The salary and benefits are provided as per the norms.

POLICY	DETAILS
Pay Scale	AICTE 6th pay
Interim allowance	10% of basic pay + AGP
Transportation allowance	5 % of basic pay + AGP
HRA	5% of basic pay + AGP
Gratuity	As per Kerala Govt. norms
Insurance	Group insurance for all
ESI	For technical and supporting staff

LEAVE POLICIES	DETAILS
Maternity leave	3 months
Vacation leave	20 working days
Duty leave	For attending FDPs / STTPs / Conferences / Outreach activities
Study leave	Pursuing higher studies
Casual leave	12

FACULTY SUPPORT INITIATIVES

Pen Tablet to all faculty members during COVID

Encouragement to participate in skill enhancement programs and FDPs: Duty leave provided

Encouragement to pursue Ph. D: Flexibility in time/workload

Annual medical check up

Staff recreation activities:including sports and arts competitions

Management sponsored staff tour

Salary in advance during Festivals such as Onam, Christmas and Easter

STUDENT CENTRIC POLICIES

POLICY	DETAILS
Mentor-Mentee System	1 : 20
Financial Support	In terms of scholarships
Group Insurance Scheme	All students are covered under a group insurance scheme
Best Outgoing Student Award (Institute Level)	For one student in every graduating batch
Best Outgoing Student Award (Department Level)	For one student in every graduating batch from each department
7 endowments and awards	For best performers each year
Semester Topper Award	Toppers in University Examination and CGPA 9 and above
Project Awards	Best final year projects are rewarded

STUDENT SUPPORT INITIATIVES

Promotion of Innovation, professional development programs and soft-skills

Doctor consultation in the campus and MOU with Marina Hospital, Irinjalakuda

Counselling facility in campus

Sports and games: Conduct annual sports day, encourage students to participate in intercollegiate events.

Registered Alumni Association

STUDENT SCHOLARSHIPS

CCE Scholarship for Meritorious students and Fee Concession for the Deserving Students (Rs.2,49,11,550)

Central Sector Scholarship

Pragati Scholarship



Merit Cum Means /Post Metric Scholarship

SC/ST/OEC Support Scholarship

Total Scholarship Availed during the Three Assessment Years
Rs. 4,11,38,040 /-

QUALITY ASSURANCE INITIATIVES & IMPACT

Internal Quality Assurance Cell (IQAC):

- Setting Benchmarks, Academic audits, feedback and surveys, review meetings, implementation of OBE .

TEACHING LEARNING PROCESS

INITIATIVE	IMPACT
Question paper quality and scrutiny	Ensures higher Bloom's level questions in the internal tests
Project quality mechanism	Won more prizes in external project competitions and hackathons conducted outside
Industry internships	More firms visited by students in 2022-2023. 30 students attended internship with stipend
Collaborative Initiatives with other Institutions & Industries	21 Functional MOUs :Enhance student trainings/ quality project works/internships
Academic Audit: Conduct internal audit and assist external audit by APJAKTU	Actions taken in improving the teaching learning process
Feedback forms: Inputs from stakeholders at various levels	Observed significant improvement in teaching learning process

QUALITY ASSURANCE INITIATIVES & IMPACT

INFRASTRUCTURE

INITIATIVE

IMPACT

Library: Renovated and expanded

Enhanced self learning and inquisitive mind for research

Smartboard in all classrooms

ICT enabled in teaching learning process

Wifi campus: More access points and high speed internet

Facilitate self learning practice

FACULTY LEVEL

INITIATIVE

IMPACT

Faculty training in OBE and its implementation

Student centric learning approaches are adopted

Support for Research: Enroll PhD, sponsored research & Consultancy

21 faculty currently pursing PhD, DST funded project

Encourage to conduct/attend quality FDP/Workshops/conferences. Duty leave provided

Quality enhancement for faculty, conducted 5 FDPs and 5 international conferences

STUDENT LEVEL

INITIATIVE

IMPACT

Value added programs and workshops by experts

Improved professional competency & employability

Placement soft skills training: 180 hours by external experts

Quality placements: Highest package of the student in AY 2021- 22 is 15 LPA

Promote entrepreneurship training and activities

Two graduates are now entrepreneurs

INSTITUTE LEVEL

INITIATIVE

IMPACT

Use of Learning Management System

Maintenance of academic documents

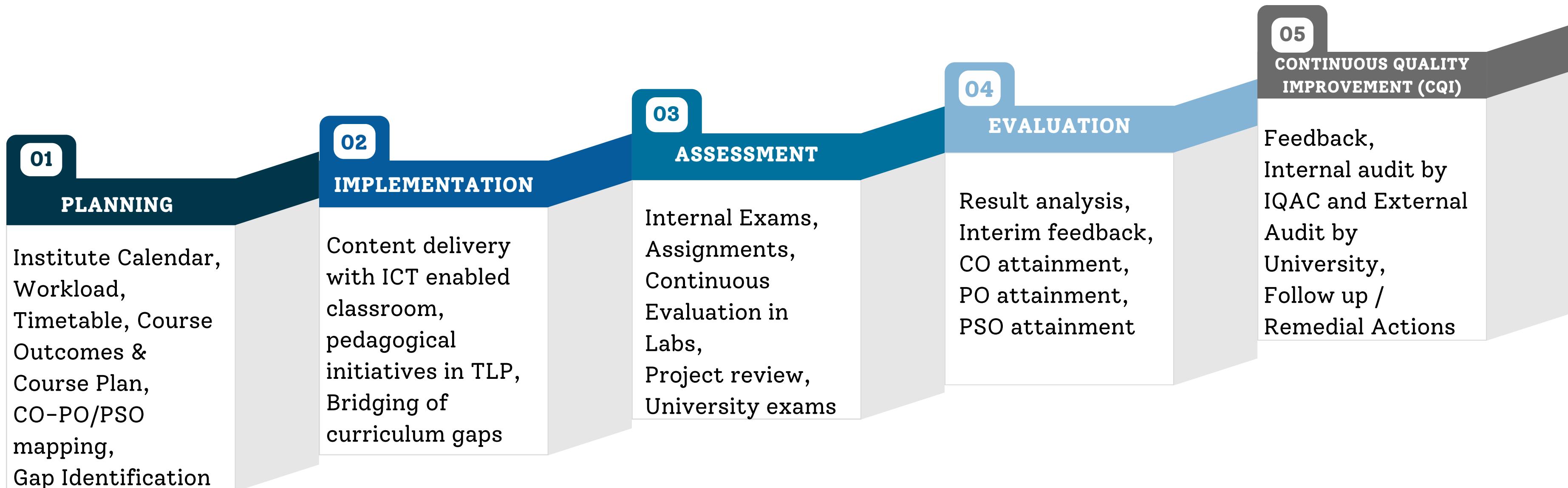
NBA accreditation

OBE is practiced, global recognition and standardization

NIRF Applied from 2022 onwards

Direct towards excellence

CURRICULUM PLANNING AND IMPLEMENTATION



CURRICULUM & CREDIT CONTRIBUTION

- Curriculum is designed by University (APJAKTU).
- Two regulations are followed during the assessment period: 2015 regulation and 2019 regulation.

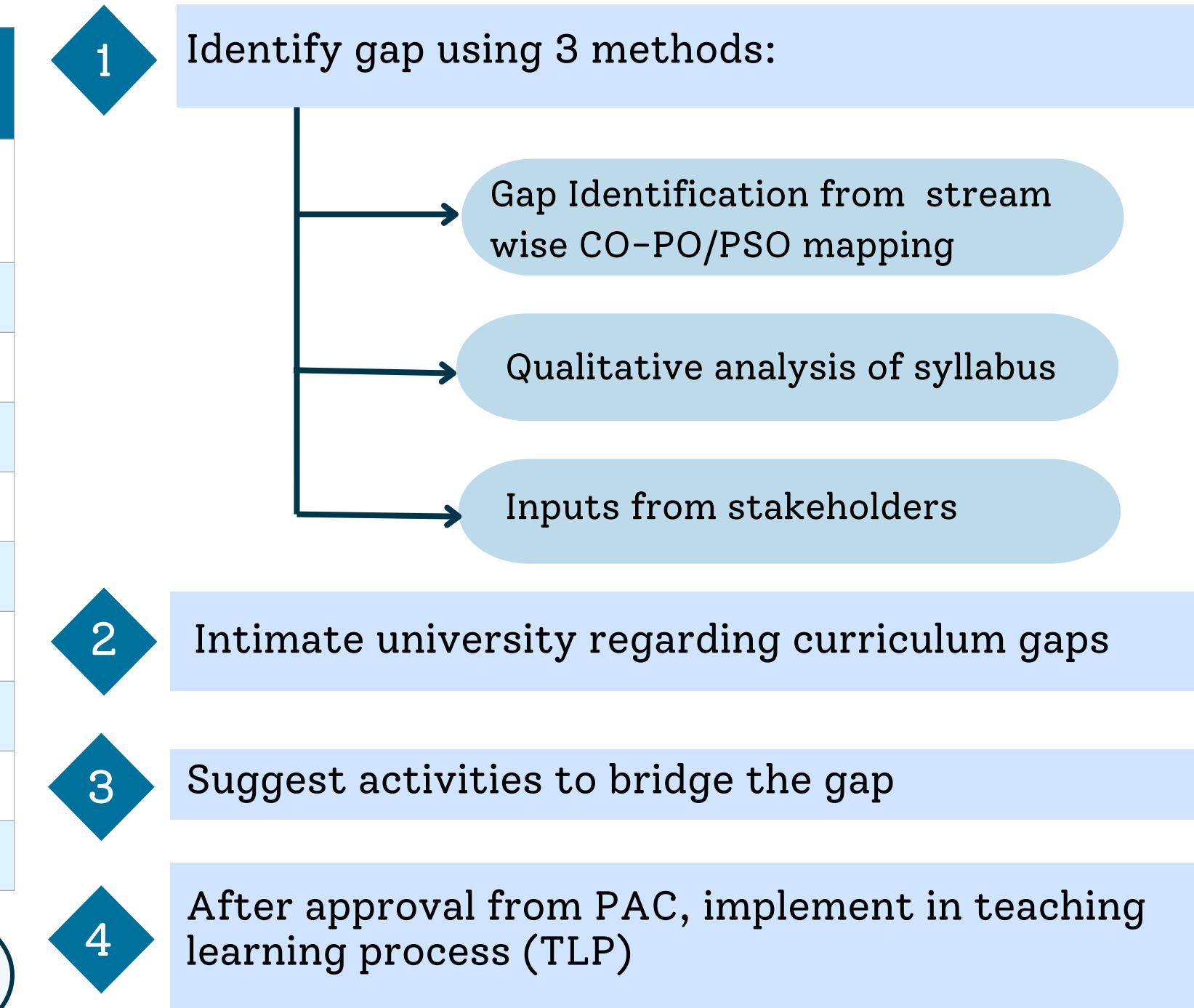
Curriculum Gap identification

DISTRIBUTION OF CURRICULUM CONTENT (2019 REGULATION) :

CATEGORY	CREDITS
Humanities and Social Sciences including Management courses	8
Basic Science courses	26
Engineering Science Courses	22
Program Core Courses	76
Program Elective Courses	15
Open Elective Courses	3
Project work, seminar and internship in industry	10
Mandatory Non-credit Courses (P/F) with grade	Non credit
Mandatory Student Activities (P/F)	2
Total credits	162

HONOURS
20

MINORS
20

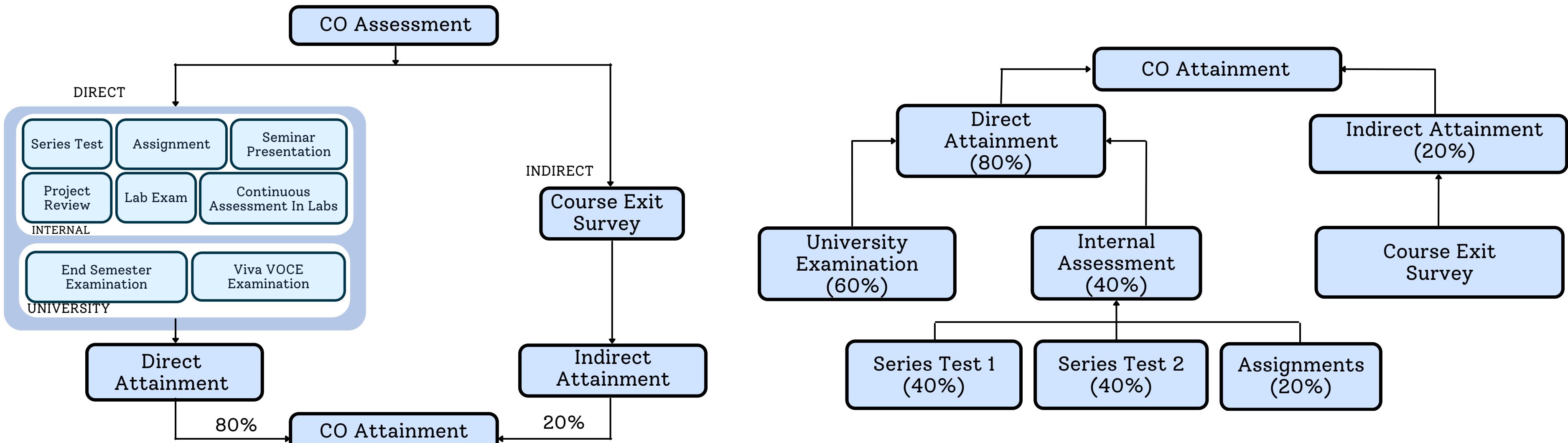


CO ATTAINMENT

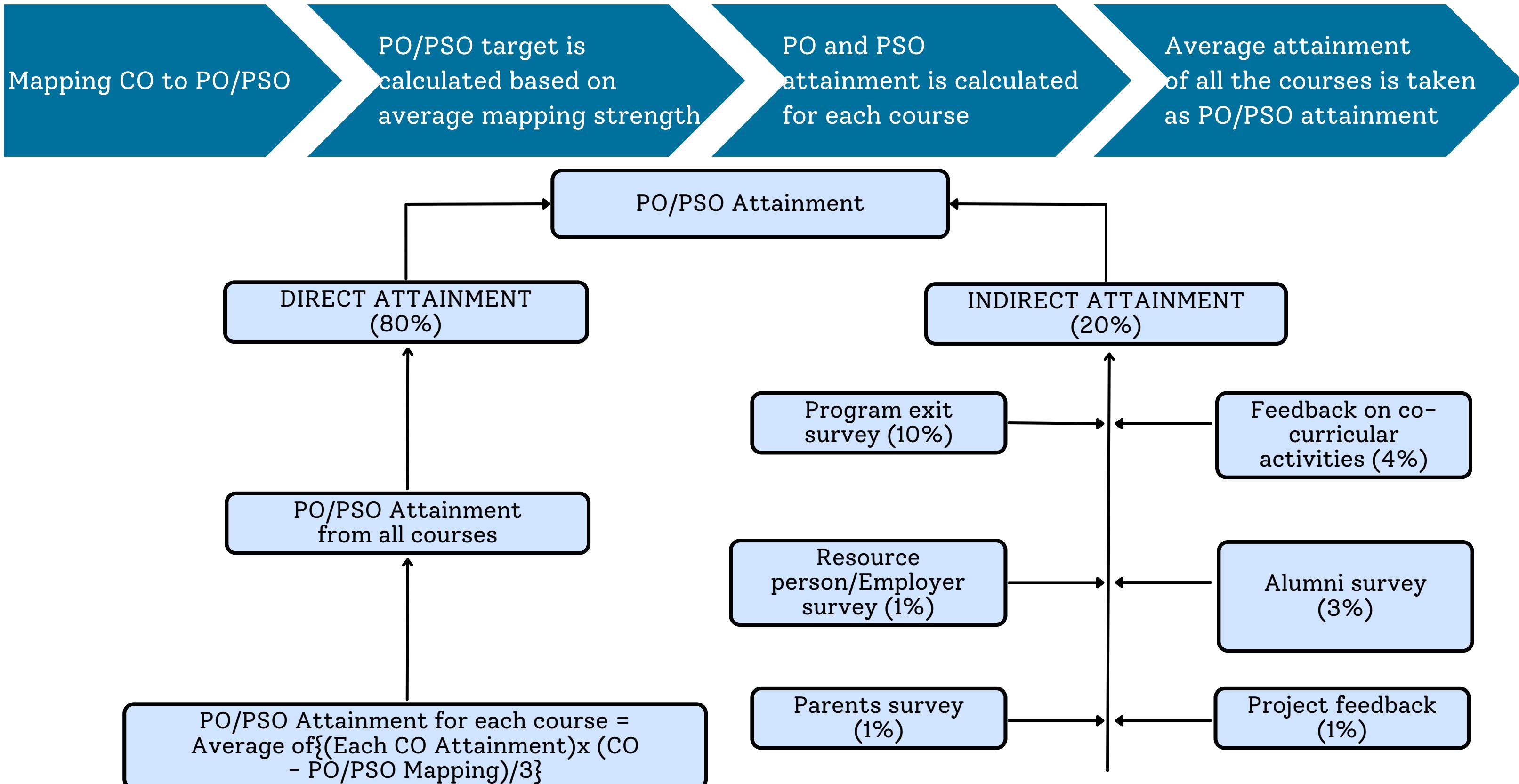


CO ATTAINMENT

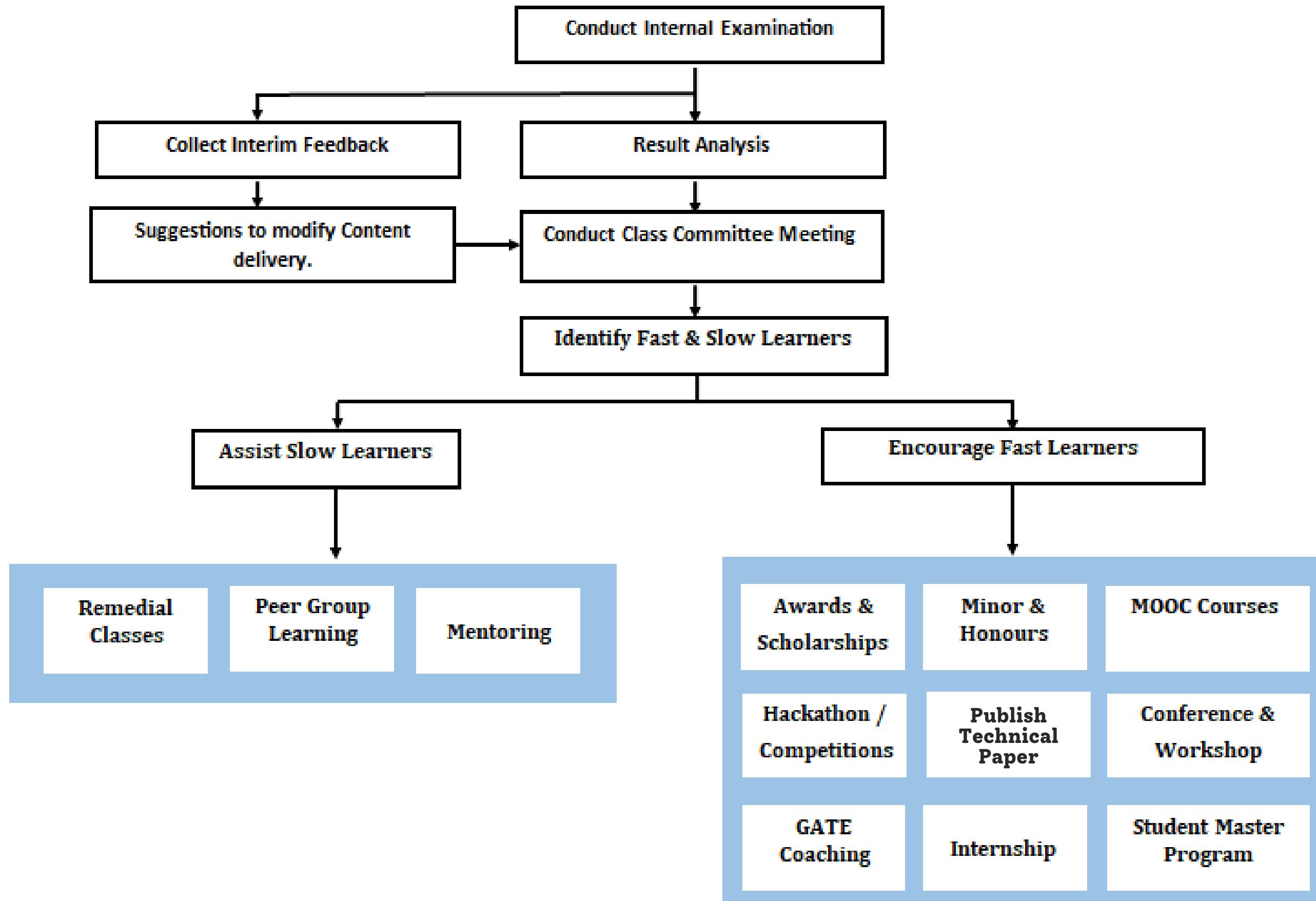
CO ATTAINMENT CALCULATIONS-THEORY



PO/PSO ATTAINMENT CALCULATION



METHODS TO SUPPORT SLOW AND FAST LEARNERS



FACULTY INFORMATION

INSTITUTE LEVEL

DESIGNATION	PROFESSOR	ASSOCIATE PROFESSOR	ASSISTANT PROFESSOR	VISITING FACULTY	TOTAL	Ph.D. HOLDERS	Ph. D. PURSUING
Count	8	7	56	1	72	17	21

DEPARTMENT LEVEL

DEPARTMENT	CE	CSE	ECE	EEE	ME	BSH
Professor	1	1	1	1	3	1
Associate Professor	1	0	2	2	2	0
Assistant Professor	8	9	9	8	8	14
Visiting Faculty	-	-	-	-	1	-
Total	10	10	12	11	14	15
Ph.D. Holders	2	1	4	4	4	1
Ph. D. Pursuing	4	3	4	3	4	3

FACULTY CONTRIBUTION: FUNDED PROJECTS

SL. NO.	PROJECT TITLE	FUNDING AGENCY	NAME OF FACULTY	AMOUNT (IN LAKHS)	YEAR
1	AI based Healthcare for Elderly & Diabetic People	DST, Govt. of India	Dr. Sampath Kumar (ECE), Dr. Arun Augustin (ME) and Mr. Sunil Paul (ME)	Rs. 15.54	2022
2	Innovation Grant for Start Up	Global Sanitation Centre of Excellence of IIT Palakkad, Kerala	Dr. Sampath Kumar (ECE), Dr. Arun Augustin (ME) and Mr. Sunil Paul (ME)	Rs. 16.00	2023
3	Developing a Prototype of Prosthetic Arm	Kerala Startup Mission, Govt. of Kerala	Dr. Rahul Manohar O. (ECE)	Rs. 2 .00	2022
4	Development of an application software for the design of fully automated Community Micro Irrigation System	Kerala Irrigation Infrastructure Development Corporation, Govt. of Kerala	Dr. Ravishankar A N (EEE) and Dr. Remya K Sasi (CSE)	Rs. 0.98	2021
5	Voice Controlled Water Heater	Kerala Startup Mission, Govt. of Kerala	Dr. V. Sampath Kumar (ECE)	Rs. 1.00	2021
6	Rubbrick	Kerala Startup Mission, Govt. of Kerala	Mr. Dony Dominic (ME)	Rs. 0.50	2020
7	Partial replacement of fine aggregate with rice husk ash in concrete	KRMC Funded Research Project	Dr. Krishnapriya M.G (CE)	Rs.0.30	2021
8	Care App	Kerala State Council for Science,Technology and Environment (KSCSTE)	Dr. Nandhini J Warrier (CSE)	Rs.0.25	2020
9	Antenna Turn Table	Christ College of Engineering, Irinjalakuda	Dr. Rahul Manohar O. (ECE)	Rs.0.18	2022
10	Field level investigation of pest and diseases in plants using machine learning model	Kerala State Council for Science,Technology and Environment (KSCSTE)	Dr. Remya K Sasi (CSE)	Rs.0.10	2020
11	LoRa Communication system	Kerala State Council for Science,Technology and Environment (KSCSTE)	Mr. Nikhil Samuel (CSE)	Rs.0.10	2020
12	200W Inverter and 50W DC Motor Speed Controller – Working Models	Christ College of Engineering, Irinjalakuda	Dr. Ravishankar A N (EEE)	Rs.0.10	2022
	Total			Rs. 37.05 lakhs	

FACULTY CONTRIBUTION: CONSULTANCY

SL. NO.	CONSULTANCY WORK	DETAILS	NAME OF FACULTY	AMOUNT (IN LAKHS)	YEAR
1	Consultancy Work using CNC Machine	PNP Dies and tools	Dr. Arun Augustine (ME)	Rs. 6	2021, 2022, 2023
2	Traffic Volume Study for NATPAC and Mapathon- Material Testing, Total Station Survey, Building Drawing, Traffic Volume study	Material Testing, Total Station Survey, Building Drawing, Traffic Volume Study	Mr. Prabhasankar V P, Dr. Krishnapriya M. G, Ms. Angitha Sasidaran, Mr. Jisanto M D R (CE)	Rs. 3.55	2021, 2022,2023
3	Development of ERP , Website	For several academic Institutions	Ms. Magniya, Mr. Antony, Mr. Prasanth, Ms. Jasmine Jolly, Ms. Iris Jose and Ms. Bagyasree (CSE)	Rs. 2.156	2021, 2022
4	Translator by AICTE	Translate UG and diploma level textbooks	Dr. Vishnu P Madhanmohan (EEE), Mr. Tony C Thomas (ECE), Mr. Nithin K.S (EEE)	Rs. 3	2022, 2023
5	Smart Pumping Stations	Kerala Water Authority	Dr. Caren Babu (ECE)	Rs. 1.5	2022
6	Development of Low Noise Frequency Synthesizers	RFMW Innovations Lab Private Ltd., Banglore	Dr. Rahul Manohar O. (ECE)	Rs. 0.5	2021
7	Water Quality Measurement Device	Tropical Environmental Consultants, Thrissur	Ms. Sreelekha T (ECE)	Rs. 0.25	2021
8	Hardness Test of mechanical components	Hykon India Ltd., Thrissur	Dr. Ravishankar A N (EEE), Dr. M Nandakumar (EEE), Dr. Arun Augustin (ME), Mr. Sunil Paul (ME)	-	2023
9	Identify manufacturing defects due to tolerance and fit	Eddy Current Pvt. Ltd	Mr. Jackwin Vincent(ME)	Rs. 0.5	2022
10	Bearing shafts are turned to required dimensions	Arine Tools and Components	Dr. Arun Augustine (ME)	Rs. 0.066	2022
Total				Rs. 17.52 Lakhs	

FACULTY CONTRIBUTION: OUTREACH ACTIVITIES

CONTRIBUTION	NAME OF FACULTY
Academic council member of University	Dr. M. Nandakumar
Research guides under KTU	Dr. M. Nandakumar, Dr. V. Sampath Kumar, Dr. Caren Babu, Dr. Sijo M.T, Dr. Remya K Sasi, Dr. Viswanath K Kaimal
Resource person for outside sessions: Technical talks/ FDPs	Dr. M. Nandakumar, Dr. Ravisankar A.N, Dr. Rahul Manohar O, Dr. Remya K Sasi, Dr. Vince Paul, Dr. V Sampath Kumar, Ms. Magniya Davis, Mr. Rajiv T. R
Reviewer for journals/conferences:	Dr. Nandakumar, Dr. Caren Babu, Dr. Ravishankar A N, Dr. Remya K Sasi, Dr. Rahul Manohar O, Dr. Vince Paul, Dr. Vishnu P Madhanmohan, Mr. Nithin K S, Dr. Needhu Varghese, Ms. Anagha Philip Antony
District level coordinator – Urjayan Programme	Dr. Vishnu P Madhanmohan

FACULTY CONTRIBUTION: PUBLICATIONS

Patents:

SL. NO.	FACULTY NAME	PATENT NAME	YEAR	STATUS
1	Dr. Vince Paul (CSE)	IoT based Camera for Healthcare Management	2022	Granted
2	Dr. Rahul Manohar O. (ECE)	Frequency Selective Absorber using an Innovative Arrangement of Coir & Rubber	2022	Published
3	Dr. Krishnapriya S(ECE)	A system for partitioning based place and route in 3D integrated Circuits	2023	Granted

Journal publication- 5 SCI and 12 Scopus

National/International Conference Proceedings- 138

SCI Publications:

1. **Caren Babu**, D. Abraham Chandy, and Hepzibah A. Christinal. "Efficient scheme for WCE image compression based on strategic chroma subsampling and encoding." *Biomedical Signal Processing and Control* 71 (2022): 103184.
2. **Vince Paul**, R. Ramesh, P. Sreeja, T. Jarin, PS Sujith Kumar, Sabah Ansar, Ghulam Abbas Ashraf, Sadanand Pandey, and Zafar Said. "Hybridization of long short-term memory with Sparrow Search Optimization model for water quality index prediction." *Chemosphere* 307 (2022): 135762.
3. Babu, Jasine, L. Sunil Chandran, Mathew Francis, Veena Prabhakaran, Deepak Rajendraprasad, **Nandhini J Warrier** "On graphs whose eternal vertex cover number and vertex cover number coincide." *Discrete Applied Mathematics* 319 (2022): 171-182.
4. Joshua, Derrick Ian, Yerabham Praveenkumarreddy, **Prabhasankar V P**, Andrea Petula D'Souza, Nobuyoshi Yamashita, and Keshava Balakrishna. "First report of pharmaceuticals and personal care products in two tropical rivers of southwestern India." *Environmental Monitoring and Assessment* 192 (2020): 1-8.
5. **Krishnapriya, M. G.**, and T. Soosan George. "Mode choice behaviour of students, integrating residential location characteristics: a study from Kochi City, India." *European Transport* (2020).

STUDENT PERFORMANCE

SL. NO.	NAME OF STUDENT(S)	EVENT	YEAR	RECOGNITION
1	Anns Prince, Ashlin Davis, Athulya C Saburaj Malavika C A (CS)	International Conference on Innovations in Computing Materials & Communication Technologies at IES College of Engg., Thrissur	2023	Best Paper Award
2	Anlie Mariya Jaison, Tiya Victor, Farhana A F, Femina K (CS)	Code Combat 2023 Cyber Tech Fest at Thrissur Rural Police	2023	Best Project Award
3	Krishnaprasad (ECE), Sarath (CS) Albin (EC), Anand Antony (CS)	Maker village KSUM IEDC Exhibition	2022	Promising Innovator Award
4	Ann Mary Shybu, Ancy Paul, Anitta George, Donna Baburaj (CS)	Hack@Arch at GEC, Thrissur	2022	Best woman team
5	Anjana P (ECE)	Darsana IGNITE 2022, K-DISC	2022	Best Project Award

SL. NO.	NAME OF STUDENT(S)	EVENT	YEAR	ACHIEVEMENT	PRIZE/GRAANT
1	Anna Mary Rony, Swathi Anil & Anjala Suhana (CSE)	Young Innovators Program 4.0	2023	First Prize	Rs. 75,000/-
2	Akhil P Raj, Sai Prasad, Austin Simpson & Amal Manoj (CSE)	Make-a-Ton Hackathon, 2023	2023	Second Prize	Rs. 20,000/-
3	Aditya Krishnan, Ajil Ibrahim, Amal C P, Pranav Madhu & M Akhil (CSE)	Rural Agriteck Hackathon 2022	2022	First Prize	Rs. 50,000/-
4	Adithya Krishnan, Arun Joseph (CSE)	Kerala Police HAC'KP 2021	2021	First Prize	Rs. 1,20,000/-
5	Rajeswari P S, Albert Prakash (EEE)	IdeaFest Competition	2021	First Prize	Rs. 2,00,000/-

STUDENT PERFORMANCE (CONT.)

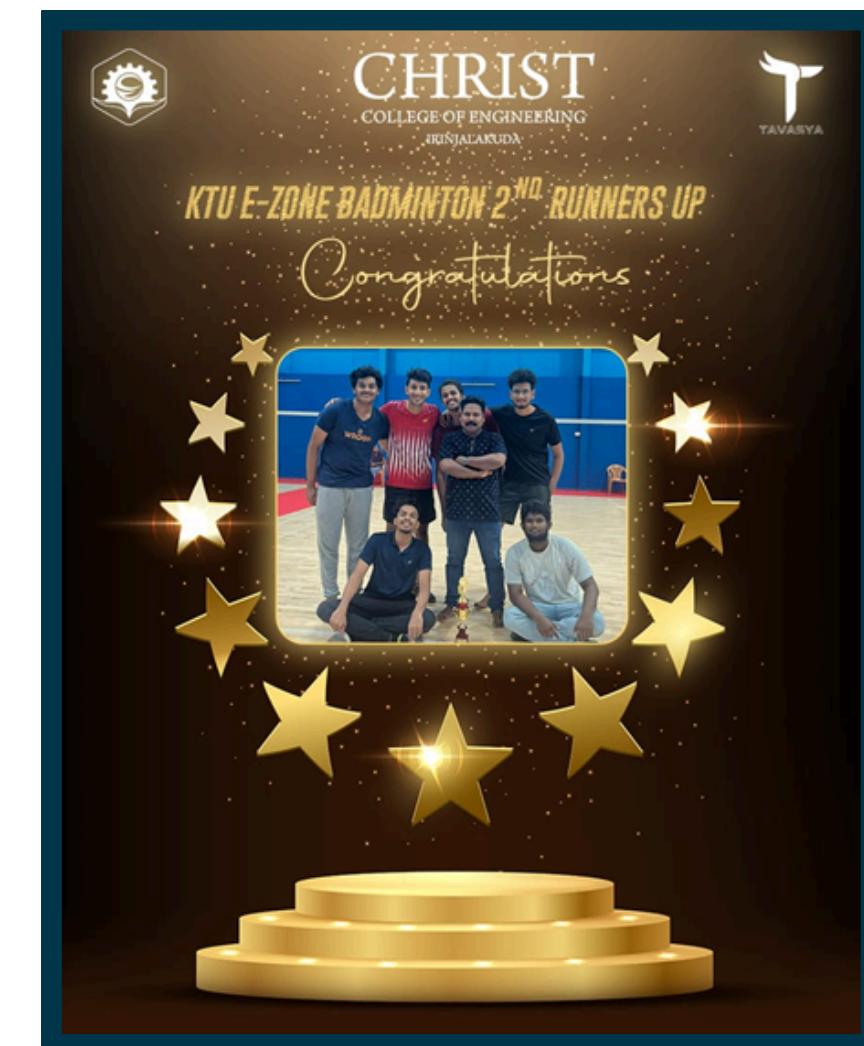
SL. NO.	NAME OF STUDENT(S)	EVENT	YEAR	PRIZE
1	Hrishikesh Prasad, Aleena John Gratious, Paul Joji (ECE)	Srishti 2023, Project Expo at Jyothi College of Engineering, Thrissur	2023	First
2	Samuel Lobins, Hrishikesh, Prasad, Paul Joji Chirayath (ECE)	Novellio at Muthoot Institute Technology, Kochi	2023	First
3	Julie K Laru, Johanna, Anina Mariya, Lia Thottan (ECE)	Inter College Arduino Coding Competition at Saintgits College of Engineering, Kottayam	2023	First
4	Franco D Alappat, Alphyn Sojy, Nithin Paul (EEE)	Project Expo Competition 2023 at AISAT, Kochi	2023	Second
5	Lena Alphonsa Jojo, Amith Menon, Ebin Vincent (ME)	PMI Kerala-Vihaan '23	2023	Third
6	Paul Jojo Chirayath (ECE)	Coding and debugging	2022	First
7	Nancy, Midhun, Jais, Abel (ECE)	Online mini Hackathon Challenge	2022	First
8	Athul C A, Aswanth Krishna (EEE)	Ideate to Innovate Competition	2022	First
9	Suryajith R Menon (ECE)	Startup 101 at SCT Trivandrum	2022	First
10	Ashnin Francis, Nidhish T, John Anto, Faiza K I (ME)	Gesture Controlled Robot Competition AISAT, Kochi	2022	First

STUDENT PERFORMANCE (CONT.)

SL. NO.	NAME OF STUDENT(S)	EVENT	YEAR	PRIZE
11	Sebin K Babu, Bastin Jaison (ECE)	Hackathon “Hackatly” at College of Engg., Thalassery	2022	First
12	Nidhish T Jain, Jejo Arackal, Indrajith Sajeev, Freddy Clinson (ME)	Gesture Controlled Robot Competition at College of Engineering, Trivandrum	2022	First
13	Alrin Renny, Sonu P S, John Peter, Romal Jackson (ECE)	Cut me not competition, Hestia'22	2022	Second
14	Rohan Thanjan, Giztom T G, Jowin Joseph, Paul Franklin (ECE)	GSM Labrinth competition by Tathva, NIT Calicut	2022	Second
15	Estin Jose, Rinoy Saju, Alfred Cherian, Joel Jiju(ME)	KSCSTE TechFest	2022	Third
16	Anoop K. Anto, Christo Jestine (ME)	Project Expo Competition 2022 at AISAT, Kochi	2022	Third
17	Aiswarya, Aleena John, Safreen, Sanjay Krishna (ECE)	Vegathon	2022	Fourth
18	Savio, Rrithik, Agrah, Sourav (ECE)	Onehack 3.0 Coding Hackathon	2021	First
19	Manjeera E B, Elna Babu, Niya Babu, Ardra P M, Dilna Davis (CE)	Idea Pitching Competition organized by KIED, Trivandrum	2021	First
20	Akhila P.V., Litty Babu (CSE)	Reboot Kerala Hackathon 2020	2020	Second

STUDENT PERFORMANCE (CONT.)

SL. NO.	TEAM	EVENT	YEAR	RECOGNITION
1	College Women's Volleyball Team	KTU Interzone Volleyball Competition	2023	Runner Up
2	College Women's Basketball Team	KTU E-zone Basketball Competition	2023	Second Runner Up
3	College Men's Badminton Team	Men's Badminton Championship, KTU E-Zone Meet	2022	Second Runner Up



INSTITUTE LEVEL ACTIVITIES - TECHNICAL

CHRIST ENGINEERING CONGRESS 2021
 (INTERNATIONAL MULTI CONFERENCE)
 Organized by : Christ College of Engineering, Irinjalakuda, Thrissur, Kerala, India

13th - 15th JULY 2021

Our Distinguished Guests

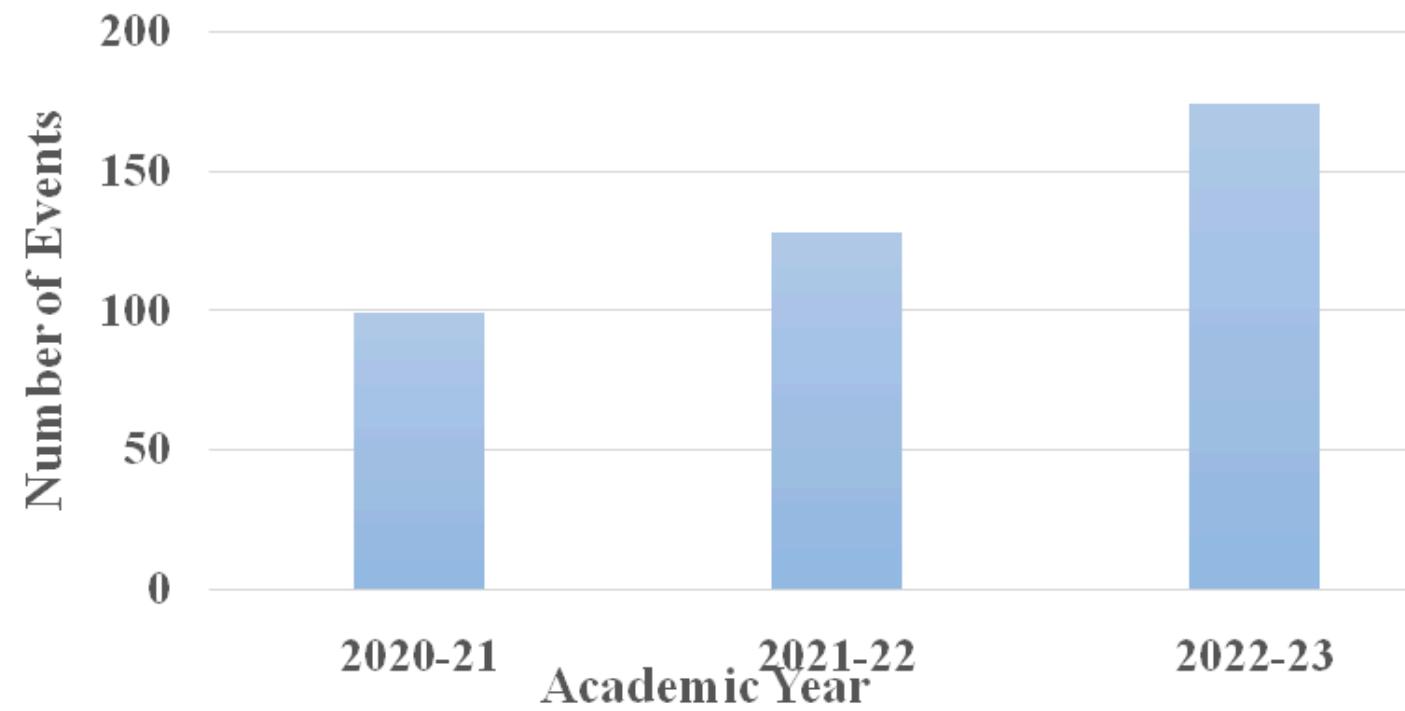
		
Dr. R. Bindu Hon. Minister Higher Education and Social Justice Govt. of Kerala	Sri. P. Rajeev Hon. Minister Industries, Law and Coir Govt. of Kerala	Dr. Rajasree M. S. Vice Chancellor, APJ Abdul Kalam Technological University, Kerala
		
Dr. Carsten S. Schröder CEO and Founder The German Academy for Digital Education (DADB), Germany	Dr. Mohammed AL-Saidi College of Applied Science Oman	
More details : www.cec2021.cce.edu.in Dr. Arun Augustin - +91 8921171940 Dr. Ravishankar A. N. - +91 9400336647		

SL. NO.	NAME OF THE CONFERENCE	DEPARTMENT
1	Intl. Conf. on Innovations in Civil Engineering, 2021 (ICICE-'21)	CE
2	Intl. Conf. on Computing and Informatics - 2021 (ICCI - '21)	CSE
3	Intl. Conf. on Recent Trends in Communication and Embedded System Technologies - 2021 (ICRCET-'21)	ECE
4	Intl. Conf. on Circuits, Control, & Energy-2021 (ICCCE-'21)	EEE
5	Intl. Conf. on Emerging Trends in Mechanical and Materials Engineering-2021 (ICEMME-'21)	ME
6	Virtual Conf. on Computing & Informatics in 2020	CSE

SL. NO.	FACULTY DEVELOPMENT PROGRAMME	DEPARTMENT
1	5-Day KTU Sponsored FDP on “Introduction to Augmented and Virtual Reality” in 2023	ECE
2	3-Day FDP on “Outcome based Education & NBA Accreditation” in 2021	CE
3	3-Day KTU Sponsored FDP on “Research Frontiers in Computer Science” in 2021	CSE
4	5-Day FDP on “Enriching Research Acumen” in 2020	CSE
5	5-Day Workshop on “Electrical Power in Real World – Generation to Control” in 2020	EEE

STUDENT ACTIVITIES – TECHNICAL

Technical Activities Conducted



**TECHLETICS'22: NATIONAL LEVEL
TECH FEST**



BEACH HACK (CSE)



PRISMA TECHFEST (ECE)



TECHNICAL TALK (EEE)



TECHNICAL WORKSHOP (CE)



MACHINEN FEST (ME)

STUDENT ACTIVITIES - CULTURAL / SPORTS

GLIMPSES OF CULTURAL FEST- TILANG'23



GLIMPSES OF SPORTS/GAMES FEST



SOCIAL OUTREACH ACTIVITIES

- Jalakam: Donated 32 mobile phones to the school and college students to support their online education
- Pump set repair during flood in Kerala
- Consultancy service for Irinjalakuda Municipality
- Technology Popularization Program at Schools
- Disinfection tunnel for Irinjalakuda Municipality
- Frequent Blood donation camp
- Frequent donation and visits to orphanages



PUMP SET REPAIR
DURING 2018 FLOOD



JALAKAM



DISINFECTION TUNNEL FOR
IRINJALKUDA MUNICIPALITY



BLOOD DONATION
CAMP



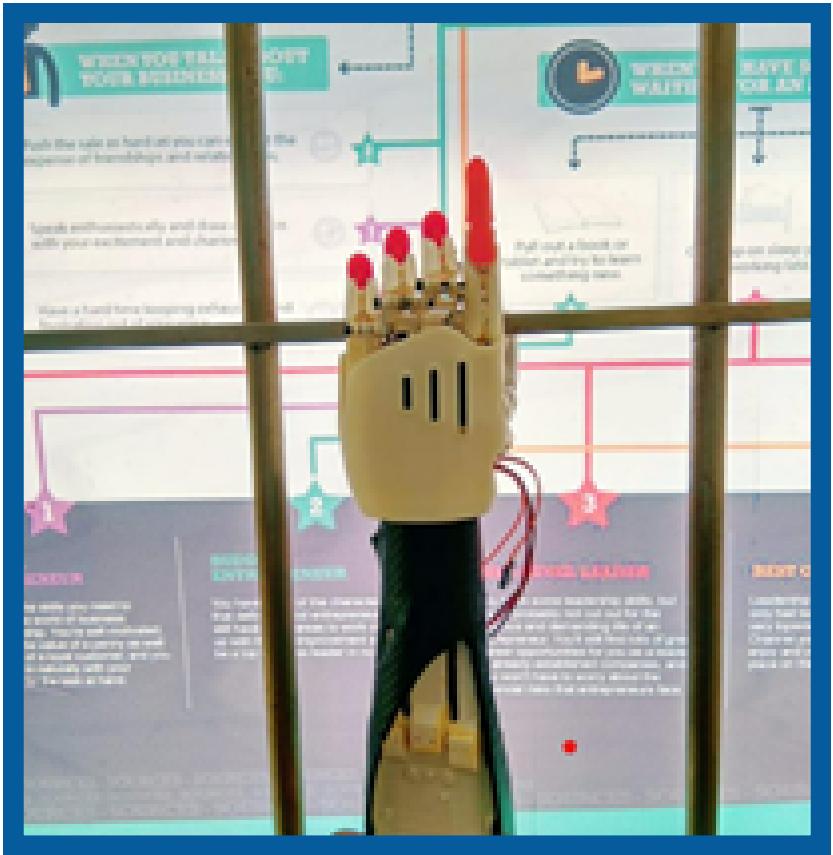
CLEANING
RAILWAY STATION

SOCIALLY COMMITTED PRODUCT DEVELOPMENT

- Wheel care project
- Nursing Robot
- Protoarm
- E-cycle
- Resync-a product for irrigation application
- Foot Operated Sanitizing unit
- Solar Mobile Charger
- Automatic Thermal Scanner



WHEEL CARE PROJECT



PROTOARM



AUTOMATIC THERMAL SCANNER



NURSING ROBOT



FOOT OPERATED SANITIZING UNIT

INFRASTRUCTURE FACILITIES



**BOARD ROOM FOR
CONDUCTING MEETINGS**



**AIR CONDITIONED
CONFERENCE HALL (150 CAP.)**



**OPEN AUDITORIUM
(1200 CAP.)**



**CANTEEN FOR STAFF AND STUDENTS
(700 CAP.)**



**CHRIST HALL
(350 CAP.)**



AMPHI THEATRE

CENTERS FOR SKILL DEVELOPMENT

Christ Center for Innovation and Open Learning



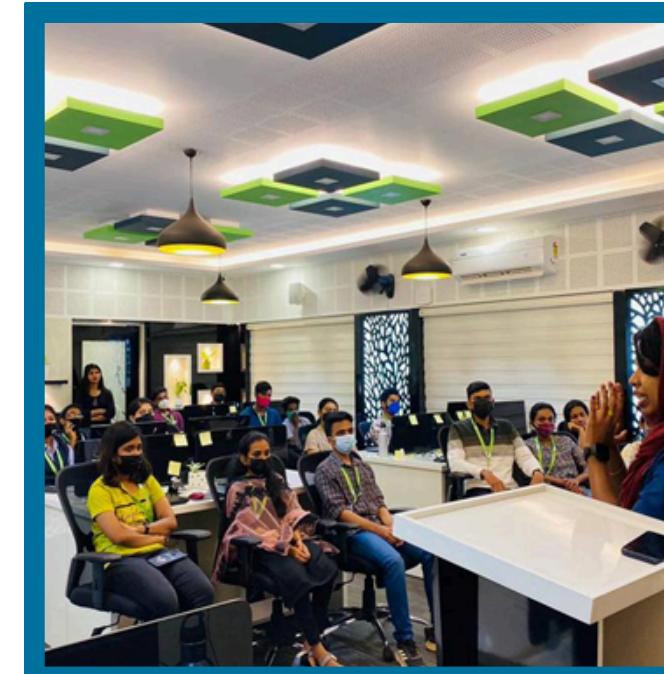
CHRIST CENTER FOR INNOVATION AND OPEN LEARNING

IELTS Centre



IELTS Centre

Talrop: an IT firm



TALROP: AN IT FIRM

Technology Business Incubator (TBI)

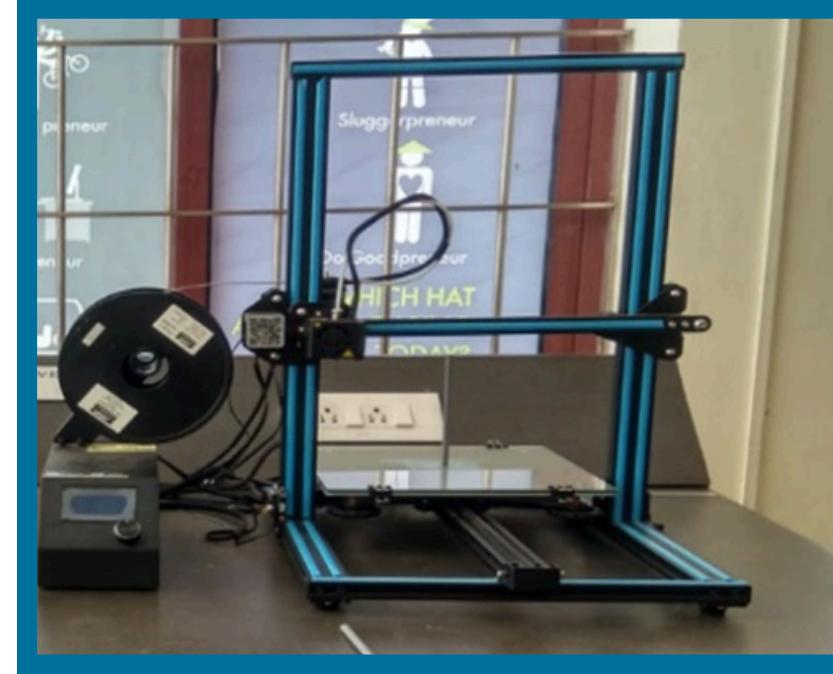


TECHNOLOGY BUSINESS INCUBATOR (TBI)

ADDITIONAL FACILITIES



CNC MILLING



3D PRINTING FACILITY (2 NO.S)



AUTOMOBILE LAB



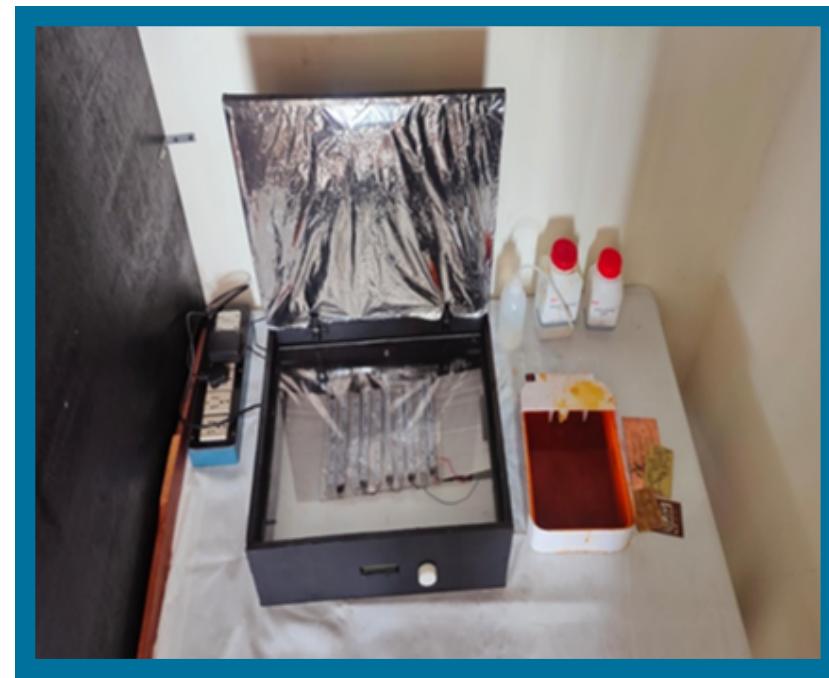
IMPRINTS:SANDALS MANUFACTURING UNIT



LED BULB MANUFACTURING



WELDING LAB



PCB FABRICATION FACILITY

CENTRAL LIBRARY & DIGITAL LIBRARY

FACILITIES	DETAILS
No of books	13,010
Titles	4249
Journals	36 (National and International)
Online Journals	IEEE (203 Nos.)
Digital Library	DELNET, NPTEL, NDLI
Carpet Area of Library	482.77 sq. m
Seating Capacity	290
Software	KOHA
Total Number of Computers	18+ 1 server
Symposium Room	10 Seating



CENTRAL FACILITIES

GENERAL FACILITY

NAME OF THE FACILITY		DETAILS
Language Lab	1	
College Bus	9	
Academic Management System (Linways)	Supports Teaching-Learning environment	
Examination Management System (Edoc)	Supports Conduct of Examinations	
Stand by Power Facility	Generator	1 with 62.5 kVA
	UPS	47 kVA upgradable to 62.5 kVA

COMPUTER FACILITY

NAME OF THE FACILITY		DETAILS
Computer Laboratories	4	
Central Computing Facility	1 (60 Computers)	
Total Number of Computers	300	
Student Computer Ratio	1:6	
Internet Bandwidth	Leased Line Broadband	100 Mbps Reliance (1:1) 300 Mbps Asianet Broadband
Wi Fi Access Points	Conference Hall, Christ Hall, Library, Hostels, St Mary's Block Courtyard, all Faculty Rooms	

SPORTS FACILITIES

NAME OF FACILITY	COUNT	DETAILS
Basket Ball Court	2	Cement Reinforced Court: Acrylic Official Transparent Back Boards Playing Area (28 x 15 sq.m), Back Boards (1.80 x 1.50 sq.m)
Volley Ball Court	1	Playing Area (9 x 9 sq.m)
Table Tennis	2	St. Chavara Block
Badminton Courts	6	<ul style="list-style-type: none"> • 2 Indoor Cement Reinforced Courts (St. Joseph's Block) • 1 Outdoor Cement Tiled Court (Open Auditorium with a Playing Area (13.40 x 6.10 sq.m)) • 3 Indoor Wooden Courts (Shared with Jyothis College for Advanced Studies)
Athletic Track	6 lane	400 m, 6 lane (Shared with Christ Autonomous College)
Cricket Ground	2	Shared with Christ Autonomous College and Christ VidhyaniKethan Public School 22 Yard : Wicket with 55 m Boundary

CELLS, CLUBS, COMMITTEES & ASSOCIATIONS

PROFESSIONAL BODIES



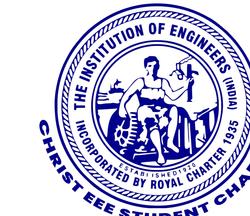
IEEE



CSI



IETE



IEI



SAE



ASME

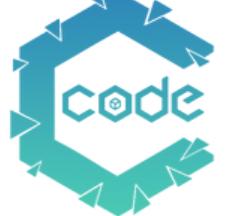


PMI

DEPARTMENT ASSOCIATIONS



CE



CSE



ECE



EEE



ME

EXTRACURRICULAR ACTIVITIES

ARTS, SPORTS, MAGAZINE, DEBATE AND QUIZ CLUB

ENTREPRENEURSHIP AND INNOVATION ACTIVITIES

IEDC, IIC, TBI

SOCIAL COMMITMENT ACTIVITIES

NSS, ENVOTECH CLUB

CLUBS

TINKERHUB, GOOGLE DEVELOPERS SC,
SCIENCE CLUB, HOLISTIC ACTIVITIES CLUB,
CYBER SECURITY CLUB, GAME DEVELOPMENT CLUB

PLACEMENT TRAINING FACILITIES

- Placement training by expert team from outside.
- Placement mentee system to encourage and motivate students
- Platforms to develop interpersonal skills.
- Dedicated interview rooms are available to conduct mock interview

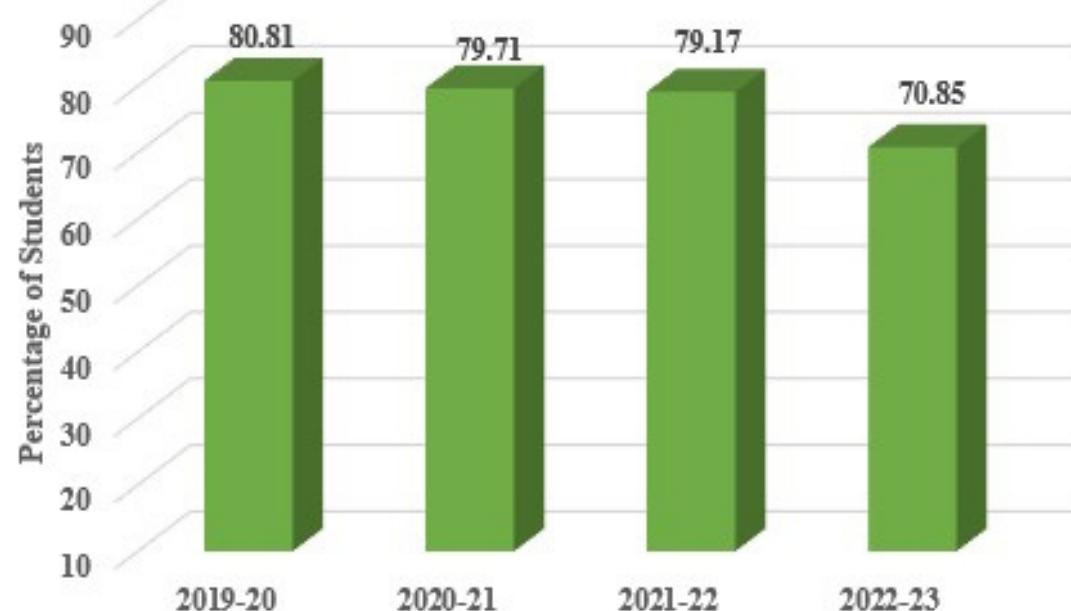
THE FOLLOWING DEDICATED SESSIONS ARE PROVIDED

- Aptitude Training
- Coding Training
- Young Professional Training
- Group Discussion
- Mock Interview
- Linked-In & Networking

A total of 180 hours of training is provided for the students over the four years of study.



PLACEMENTS, HIGHER STUDIES & ENTREPRENEURSHIP



YEAR	NO. OF STUDENTS IN FINAL YEAR	PLACEMENT	HIGHER STUDIES	ENTREPRENEUR	TOTAL	HIGHEST SALARY (IN LAKHS/ ANNUM)	AVG. SALARY (IN LAKHS/ ANNUM)
2019-20	172	103	35	1	139	15.17	3.05
2020-21	271	159	57	-	216	7.2	3.18
2021-22	240	171	19	-	190	15	3.72
2022-23	271	182	9	1	192	9.2	3.2

OUR MAJOR RECRUITERS



cadence®

SOTI®

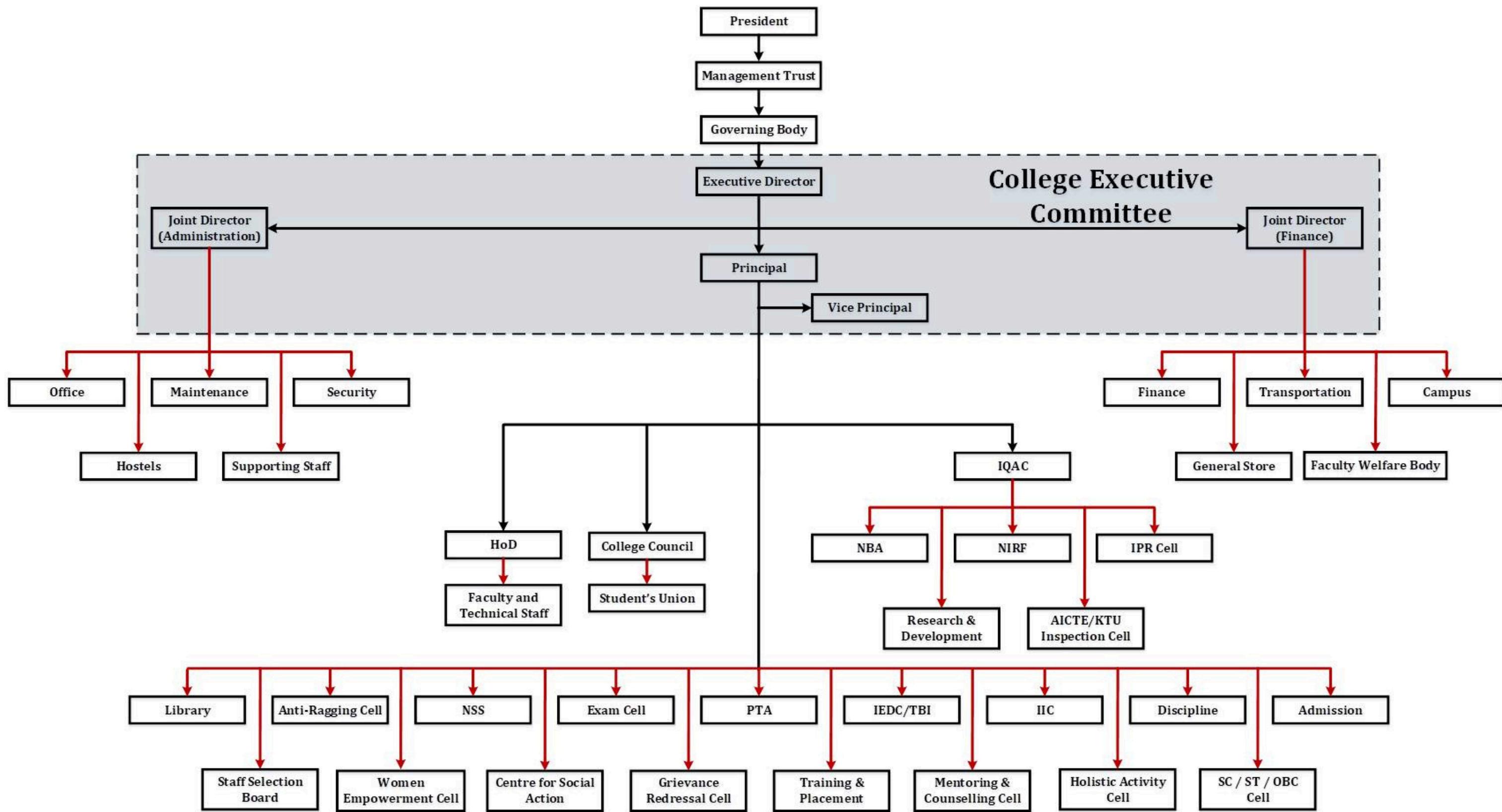
Shiprocket



kinaxis®

BigBinary

ORGANOGRAM

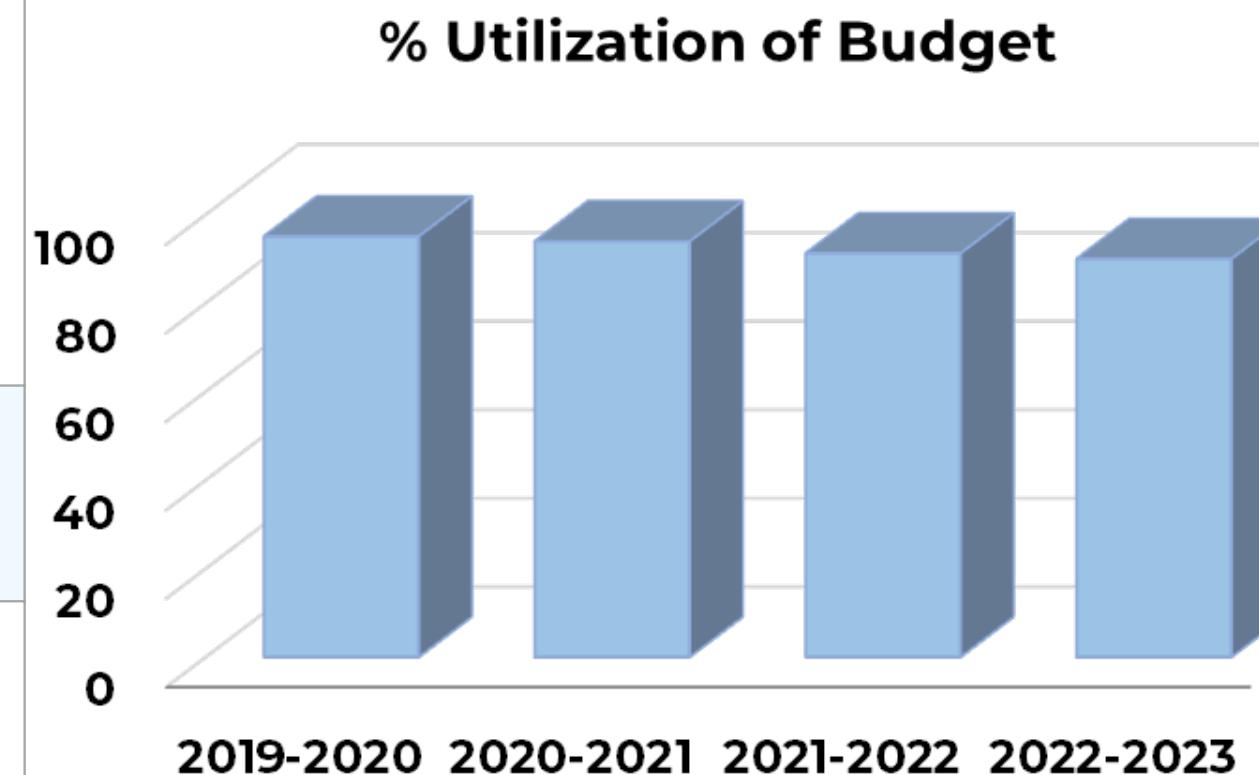


ADMINISTRATIVE COMMITTEES

Governing Body	Parent Teacher Association
College Executive Committee	Disciplinary Action Committee
Internal Quality Assurance Cell	Library Advisory Committee
College Council	Academic Calendar and Time Table
Faculty/Staff Selection Board	Centre for Social Action
Student's Union	Anti-Ragging Cell
Grievance Redressal for Staff and Students	Cultural & Celebrations Committee
Examination Cell	Women Empowerment Cell
Admission Committee	Alumni Association

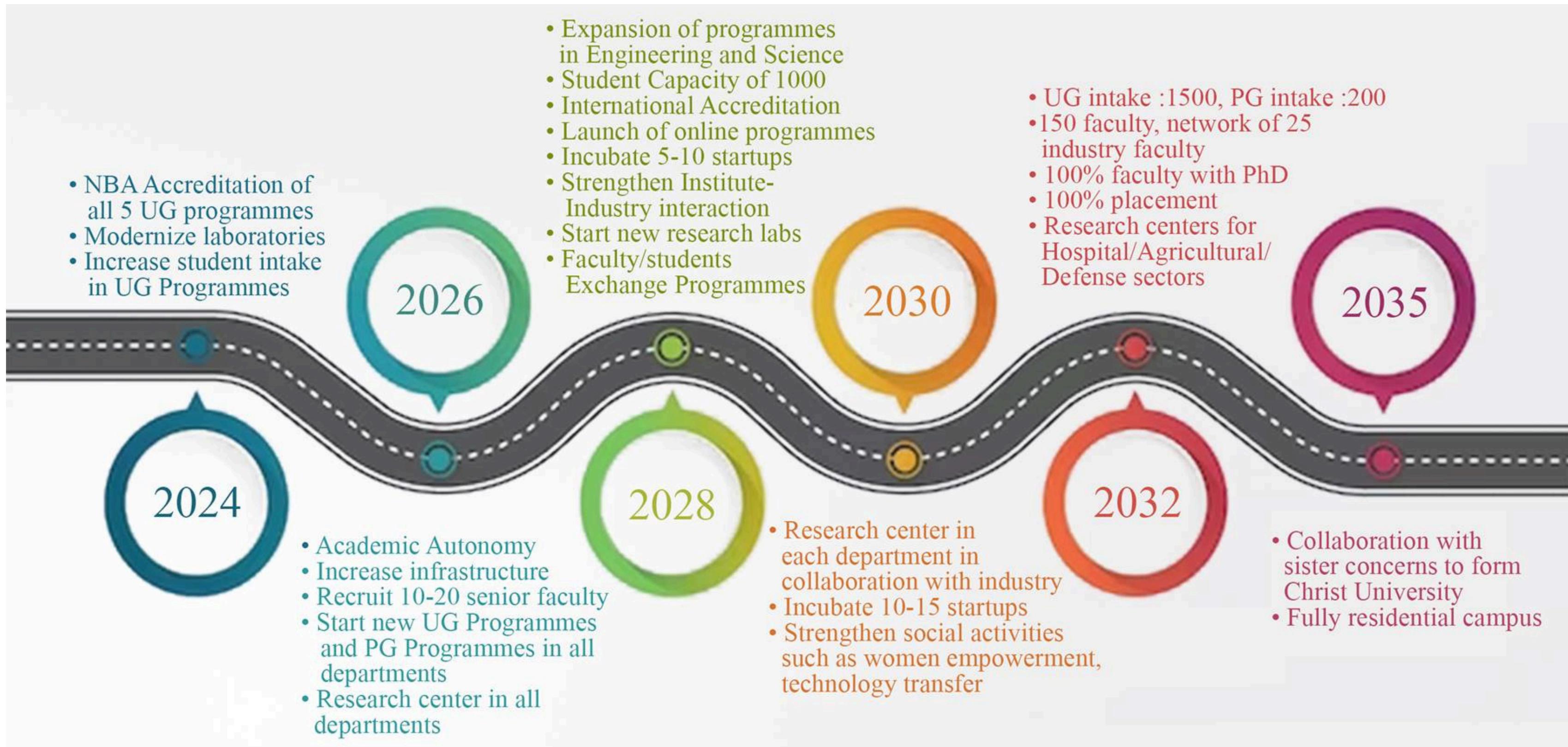
FINANCIAL RESOURCES PLANNING & UTILIZATION

YEAR	BUDGET ALLOCATED (RS)	ACTUAL EXPENDITURE (RS)	UTILIZATION (%)
2022-2023	17,55,35,000	16,69,00,610	95.08
2021-2022	15,70,85,000	14,75,83,871	93.95
2020-2021	15,22,85,000	13,89,49,519	91.24
2019-2020	14,30,30,000	12,87,31,612	90.00



FINANCIAL RESOURCES PLANNING & UTILIZATION

YEAR	2022-2023		2021-2022		2020-2021	
ITEM	BUDGETED (RS)	ACTUAL EXPENSES (RS)	BUDGETED (RS)	ACTUAL EXPENSES (RS)	BUDGETED (RS)	ACTUAL EXPENSES (RS)
Infrastructure Built-Up	1,35,00,000	1,20,18,287	65,00,000	58,51,697	1,25,00,000	1,10,99,427
Library	30,00,000	18,70,121	30,000	25,370	3,50,000	3,37,442
Laboratory Equipment	90,00,000	77,69,655	7,00,000	6,92,706	10,00,000	-
Laboratory Consumables	2,50,000	1,57,432	4,00,000	2,51,758	80,000	11,243
Teaching and Non- teaching Staff Salary	4,30,00,000	4,51,10,384	3,89,80,000	3,70,75,689	3,66,50,000	3,29,91,523
Maintenance and Spares	28,00,000	26,43,105	18,00,000	20,53,317	18,00,000	11,25,993
R&D	10,45,000	9,13,206	1,65,000	1,35,000	1,20,000	1,18,414
Training and Travel	3,50,000	3,09,464	1,20,000	1,05,928	50,000	36,201
Miscellaneous Expenses	10,90,000	5,92,369	3,90,000	2,86,602	2,35,000	86,564
Others	10,15,00,000	9,55,16,586	10,80,00,000	10,11,05,804	9,95,00,000	9,31,42,712
Total	17,55,35,000	16,69,00,610	15,70,85,000	14,75,83,871	15,22,85,000	13,89,49,518



CONCLUSION

- We have been practising OBE system of Education. Hence, there is a significant improvement in student performance.
- OBE processes have resulted in
 - Improved quality of student intake
 - Improved ranking in University
 - Improved pass percentage
 - Improved quality of student project
 - Improved placements



CHRIST COLLEGE OF ENGINEERING
ST. MARY'S BLOCK



THANK YOU