



**MACFAST**<sup>TM</sup>  
Igniting wisdom since 2001

# **INSTITUTIONAL VISION & MISSION**



**MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA  
(MACFAST)**



## **6.1.1 Institutional Vision and Leadership**

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**MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA  
(MACFAST)**

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**Vision**

To be a global icon in quality education, research, innovation, and entrepreneurship ensuring sustainable future.

**Mission**

To provide a conducive learning environment that nurtures and develops young people as value-driven, professionally competent and responsible global citizens

**Objectives**

1. To create future leaders and innovators by providing an academic ecosystem of new ideas and thoughts
2. To foster competency to develop scientific temper addresses global demands.
3. To provide transformative education to the young minds to face future challenges independently and impartially.
4. To collaborate with higher institution of excellence nurturing and strengthening all stakeholders
5. To strengthen and empower our faculty members and provide an inclusive environment for Academic Excellence.
6. To become responsible citizens practicing green & environmental initiatives and serving the community.



**Fr. Dr. CHERIAN J KOTTAYIL**  
PRINCIPAL  
Mar Athanasios College For Advanced Studies  
Tiruvalla- 689101, Kerala



# MACFAST™

Leading vision in the future

## VISION

To be a global icon in quality education, research, innovation and entrepreneurship for a sustainable future

## MISSION

To provide a conducive learning environment that nurtures and develops young people as value-driven, professionally competent and responsible global citizens



GPS Map Camera



Google

Thiruvalla, Kerala, India

9HFM+JG, Thiruvalla, Kerala 689101, India

Lat 9.373409°

Long 76.584334°

02/03/22 02:06 PM



# ARCHDIOCESE OF TIRUVALLA

**Dr. Thomas Mar Koorilos**  
Metropolitan Archbishop of Tiruvalla

Thiruvalla  
01/03/2022

## Patron's Message

I am overjoyed to express my delight towards MACFAST in its journey towards academic excellence in the last two decades.

From its inception, MACFAST is highly dedicated in delivering quality education to the young generation. The institution is truly determined towards its vision of attaining quality education, research, innovation and entrepreneurship in ensuring sustainable future.

The mission of the institute is to revolutionize the young generation and transform them into admirable, culturally enriched and professionally efficient agents, who would significantly contribute to improve their immediate community, the state, the country and the world at large.

MACFAST has proficient programmes in Management, Information Technology and Bioscience professionals with an all-encompassing focus on building intellectual capital and foster a communal environment through faculty development, interaction with industry, research and publications. The students of MACFAST mingle effortlessly in the society, always prepared to take on higher challenges of life in the national and international environments spreading the philosophy of 'unity'.

I welcome all the stakeholders, recruiters, students and faculty members of MACFAST and wish you all the very best!

**Most Rev. Dr. Thomas Mar Koorilos**  
**Metropolitan Archbishop**  
**Archdiocese of Tiruvalla**





## **MACFAST HISTORY**

Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST) is a premier post graduate research institute, established in 2001 with the objective of moulding eminent professionals over the years to confront the challenging demands of the corporate world and the world of science & technology. MACFAST is affiliated to Mahatma Gandhi University, Kottayam and approved by All India Council for Technical Education (AICTE), New Delhi. The college is owned and managed by the Corporate Educational Agency of the Catholic Archdiocese of Tiruvalla, founded by His Grace Dr. Geevarghese Mar Timotheos, (Former Metropolitan Arch Bishop of the Malankara Catholic Archdiocese of Tiruvalla). The present Metropolitan Arch Bishop of the Malankara Catholic Archdiocese of Tiruvalla, His Grace Dr. Thomas Mar Koorilos is the patron of the college. As visualized by its founders, the college has grown steadily over the years with ten postgraduate courses in Management, Computer Science & Biosciences and positioned its identity as a multidisciplinary institution in the higher education segment of the state.

Within a very short span of its existence, MACFAST has emerged as a trendsetter in education and has turned into a benchmark for others to emulate with its unparalleled hallmark of academic brilliance and social commitment. The college is located in Tiruvalla, an active commercial township in the Central Travancore region of Kerala.

The two adjacent campuses together bring an idyllic character in shape and the atmosphere around pitches an ambience of solitude, inevitable for intellectual pursuance. Amidst the lush green, stands this multi-storeyed building with a built-up area of 3, 00,000 sq. ft. The acronym of Mar Athanasios College For Advanced Studies Tiruvalla – MACFAST is also interpreted as: “Moulding Attitude with Commitment for Futuristic Action towards Sustainable Transformation”. The best faculty members combined with the state of the art infrastructure enable the optimal progression of the students through scientific temper and dedication towards excellence. To meet the challenging demands of the corporate and scientific world, research pursuits and technology initiatives are given utmost significance in MACFAST. This has led to the establishment of the MACFAST Centre for Research and Development (MCRD). The MCRD offers PhD programmes in the Biosciences and is poised to enhance student creativity and produce high quality research. A research journal titled Journal of Science, Technology and Management (JSTM), has also been initiated in 2008. JSTM is dedicated to bring together research in these multidisciplinary fields from around the world and also publish original work from the MCRD.

MACFAST owns an on-campus Community Radio Station. Radio MACFAST 90.4 is a prime on-campus Community Radio in the state and 46th in the country. The college has reached yet another acme by decorating a position of first solar powered campus in Kerala. It envisages to utilize alternate sources of energy for a sustainable future. This solar project has a capacity of 130KW. The continuous zeal for academic excellence and social commitment has lead to the accreditation of MACFAST with CGPA of 3.08 on four point scale at 'A' Grade by the National Assessment and Accreditation Council (NAAC) in 2016. The college is an ISO 9001:2015 certified institution. It has got the fame of the only private self-financing college from Kerala to be listed in the National Institutional Ranking Framework (NIRF) Rankings 2020 (Rank Band 151-200). In the year 2018, the college got recognized by Department of Scientific and Industrial Research (DSIR) Govt. of India for the contributions in the field of research, publications and projects. MACFAST also promotes academic and cultural interchange in the areas of exchange, teaching, research, transfer and other activities with Government, semi-government, national and international institutions. The college has signed MoUs with CSIR-CFTRI Govt. of India, ICAR-CIFT Govt. of India, IIIT Allahabad, Sami Labs Ltd. Mysore, national and international campuses of AMITY university. The college also ensures creditable academic performance, in the form of 100 percentage results. In all the departments, students are continuously bagging top ranks in MG University examinations and so far we have achieved more than 100 ranks since 2001. MACFAST continues its journey in moulding future generations.

## **MILE STONES IN MACFAST GROWTH**

### **2001**

Commencement of Master of Computer Applications (MCA) under the Department of Computer Applications.

### **2002**

Introduction of Master of Business Administration (MBA) under the Department of Management Studies.

Started School of Biosciences.

### **2006**

Commenced MACFAST Technologies.

Started Pilot Plants Sponsored by Ministry of Food Processing, Govt. of India.

### **2007**

Introduced 'Biospectrum' International Conference Series by School of Biosciences.

### **2008**

Initiated AICTE Sponsored Conference and Workshop Series organized by the Department of Computer Applications.

MACFAST Research Centre - Approved Research Centre for Ph.D. Programmes under MG. University.

Initiated Journal of Science, Technology and Management (JSTM).

**2009**

Launched Radio MACFAST 90.4 FM, first campus-based community radio in Central Travancore.

**2011**

Initiated 'Clean and Green Tiruvalla' Project in association with Tiruvalla Municipality.

**2012**

Introduction of MACFAST Knowledge Scheme (MAKS) Programme.

'Hridayaspandanam'-one of the social responsibility activities of radio in association with Pushpagiri Medical College, Tiruvalla and different stake holders of Radio MACFAST 90.4.

Aided National Service Scheme unit sanctioned by MG University.

Launched 30kW Solar Project-Kerala's first Solar Powered campus.

**2013**

'Nervazhi' Traffic Awareness Campaign in Association with Motor Vehicle Department.

'War Against Drugs' a crusade programme against the usage of Alcohol and Drugs.

**2014**

Formed CTMA (Central Travancore Management Association).

Commencement of MCA Lateral Batch.

**2015**

UN Award Winning Project – 'Vanitha Ratna'.

Started UNAI student chapter.

**2016**

Formed NPTEL local chapter.

The college got accredited by NAAC with 'A' Grade.

**2017**

Instituted the Research Forum, for promoting research culture among all.

Upgraded the Placement cell to Department of Corporate Relations & Career Guidance

Expanded solar power captivity from 30 KW to 130 KW

**2018**

The college got recognized by DSIR.

Organized first Tiruvalla Mini Marathon in association with Kerala Police and District Sports Council.

Cyber Law and Security Awareness (CLASA) in association with Kerala Police and The Kerala State Council for Science, Technology and Environment (KSCSTE) got inaugurated by DGP, Govt of Kerala, Mr. Lokanath Behera, IPS.

Students of MBA 2016-18 Batch bagged 8 out of 10 ranks in MG University Examination.

Signed MoU with ICAR- Central Institute of Fisheries Technology.

## **2019**

Signed MoU with CSIR - Central Food Technological Research Institute.

Marked history with the presence of 63 International delegates from 20 different countries in the 5th edition of 'Biospectrum'.

Launched International seminar series organized by the Department of Management Studies.

Biodiversity Awareness Seminar cum Exhibition, sponsored and supported by Kerala State Biodiversity Board (KSBB).

Signed MoU with national and international campuses of AMITY University.

Upgraded to 130 kW Grid connected Solar Powered Campus.

Nobel Laureate, Sir Tim Hunt visited the campus for prestigious EMBO conference organized by MACFAST.

Students of MCA 2017-19 Batch bagged 8 out of 10 ranks in MG University Examination.

Celebrated 10th Anniversary of Radio MACFAST 90.4.

## **2020**

Signed MoU with Indian Institute of Information Technology IIIT-Allahabad.

Listed in the National Institutional Ranking Framework (NIRF) 2020 Rank Band: 151-200.

The college got certified with ISO 9001-2015.

Started Multiple Projects to fight against COVID-19 under the name 'Arivum Athijeevanavum' in association with Govt. of Kerala.

Crossed 100 Top Ranks in MG University Examinations.

Enhancement of MACFAST Innovation and Corporate Synergy (MICS).

Revamped MACFAST Technology Business Incubator to 'Start-up Kendra for You' (SKY).

Introduction of M.Sc. Bionanotechnology.

## **2021**

Introduced MACFAST Academia Industrial Connect (MAC-AIC).

Students of MBA 2018-20 Batch bagged 7 out of 10 ranks in MG University Examination.

Signed MoU with International & Inter University Centre for Nanoscience and Nanotechnology, MG University, Kottayam.



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PRINCIPAL

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## **Governing Board and Academic Council**



Governing Board AND Academic Council





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## GOVERNING BOARD AND ACADEMIC COUNCIL

Sl. No	Name & Designation	Position
1.	H. G. Dr. Thomas Mar Koorilos Metropolitan Archbishop of Tiruvalla	Patron
2.	Rev. Dr. S. Ignacimuthu, S. J,  Director, Entomology Research Institute Loyola College, Chennai, Former Vice- chancellor, University of Madras, Former Vice-Chancellor, Bharathiar University	Chairman
3.	Rev. Dr, Isaac Parappallil, Vicar General, Archdiocese of Tiruvalla	President
4.	Fr. Dr. Cherian J. Kottayil Principal cum Director- MACFAST, Chairman- Radio MACFAST	Member Secretary
5.	PADMA VIBHUSHAN Dr. G. Madhavan Nair, Former Chairman, ISRO	Member
6.	PADMASHRI. Dr. P. Pushpangadan Former Director of the Tropical Botanical Garden and Research Institute (TBGRI) in Kerala. Former Director of the National Botanical Research Institute (NBRI), Lucknow	Member
7.	Dr. Nagabhushan P.  Director IIIT, Allahabad	Member
8.	Dr. Ashok Pandey,  Fellow of the Indian Chemical Society (FICS) Former Deputy Director, CSIR (Council of Scientific and Industrial Research) – NIIST (National Institute for Interdisciplinary Science and Technology), Thiruvananthapuram	Member
9.	Dr. Sabu Thomas  Vice-Chancellor, M. G University, Kottayam	Member
10.	Prof. (Dr) Ramaswamy S Professor, Weldon School of Biomedical Engineering	Member





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	Director, Bindley Bioscience Center Purdue University Dean, Institute of stem cell biology and regenerative medicine (inStem), Bangalore. Founding CEO of Center for Cellular and molecular platforms (C-CAMP), Bangalore- Biocluster	
11.	Dr. M. D. Nair Former Vice- President, SPIC (Southern Petrochemical Industries Corporation) Chennai	Member
12.	Prof. Dr. N. Jayasankaran Advisor VITBS VIT University Former Vice-Chancellor Former Director-General, Bharathidasan Institute of Management, Trichy.	Member
13.	Dr. Shakuntala Katre Former Chairman of the Department of Zoology, Dean of Science and Registrar (Administration & Evaluation) of the Bangalore University, Bengaluru, India.	Member
14.	Rev. Fr. N. Casimir Raj S. J. Former Director Xavier Labour Relations Institute (XLRI) Jamshedpur Former Director Loyola Institute of Business Administration (LIBA), Chennai	Member
15.	Dr. Ksms Raghavarao Professor of Chemical Engineering, Department of Chemical Engineering, IIT Tirupati, Former Director, CSIR-CFTRI, Mysore	Member
16.	Dr. K. M. Abraham IAS Former Chief Secretary, Govt. of Kerala	Member
17.	Dr. K. Paulose Jacob Former Pro-Vice-Chancellor of Cochin University of Science and Technology	Member
18.	Dr. Alexander Jacob IPS (Rtd.). Nodal Officer of National University for Police Sciences and Security Studies (NUPSAS) Former Director General of Police, Kerala	Member





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19.	Dr. Jose Paul Member, Executive Council, Indian Maritime University, Chennai. Former Chairman-Port Trust, Goa	Member
20.	Dr. Varghese K. Cherian Syndicate Member M.G University Principal KE Training College, Mananam Kottayam.	Member
21.	Mr. Suresh Krishna Pai. Vice President Products at ThinkRisk.ai Ernakulum, Kerala	Member
22.	Mr. Philip Varughese Vayarakunnil Global head Cyber Security & Cyber Defense, L &T Former VP & Global Lead- Applied Intelligence, Analytics & Open Innovation; Accenture Security	Member
23.	Mr. Sreekanth Raja Scientist at Naval Physical Oceanographic Laboratory (NPOL), Ministry of Defense	Member
24.	Professor Michael Keppell Deputy Vice-Chancellor, Learning and Teaching at International College of Management Sydney (ICMS)	Member
25.	Dr. K.R Sukumaran Nair, Co-ordinator, NAAC	Member
26.	Prof. Varghese Abraham Administrator, MACFAST	Member
27.	Mr. Radhakrishnan Kuttoor Station Director, RADIO MACFAST-90.4 Former Senior Assistant Editor, The Hindu daily.	Member
28.	Dr. M. S. Samuel Director, Department of Computer Applications MACFAST	Member
29.	Dr. Jeemon Joseph Director, Department of Management Studies MACFAST	Member
30.	Ms. Beena Cherian Dean, School of Biosciences, MACFAST.	Member
31.	Mr. Tiji Thomas Head, Department of Computer Applications. MACFAST	Member
32.	Dr. Sudeep B. Chandramana Head, Department of Management Studies. MACFAST	Member
33.	Dr. Jenny Jacob, Head, School of BioScience,MACFAST	Member



**3**  
  
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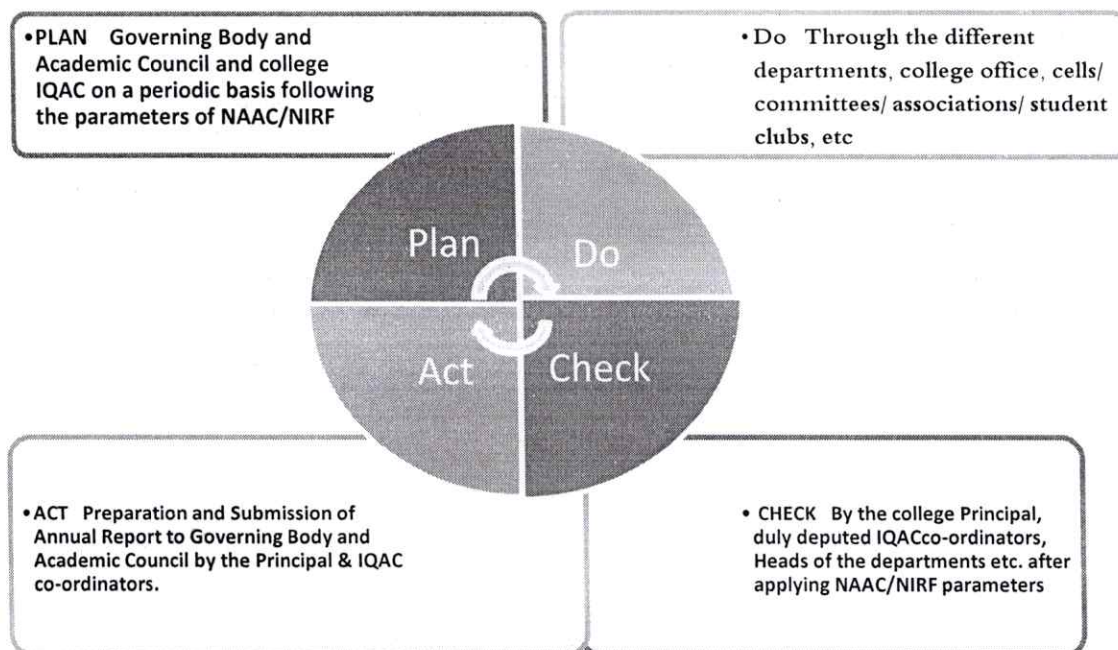
# STRATEGIC PLAN

## Strategic Plan Deployment

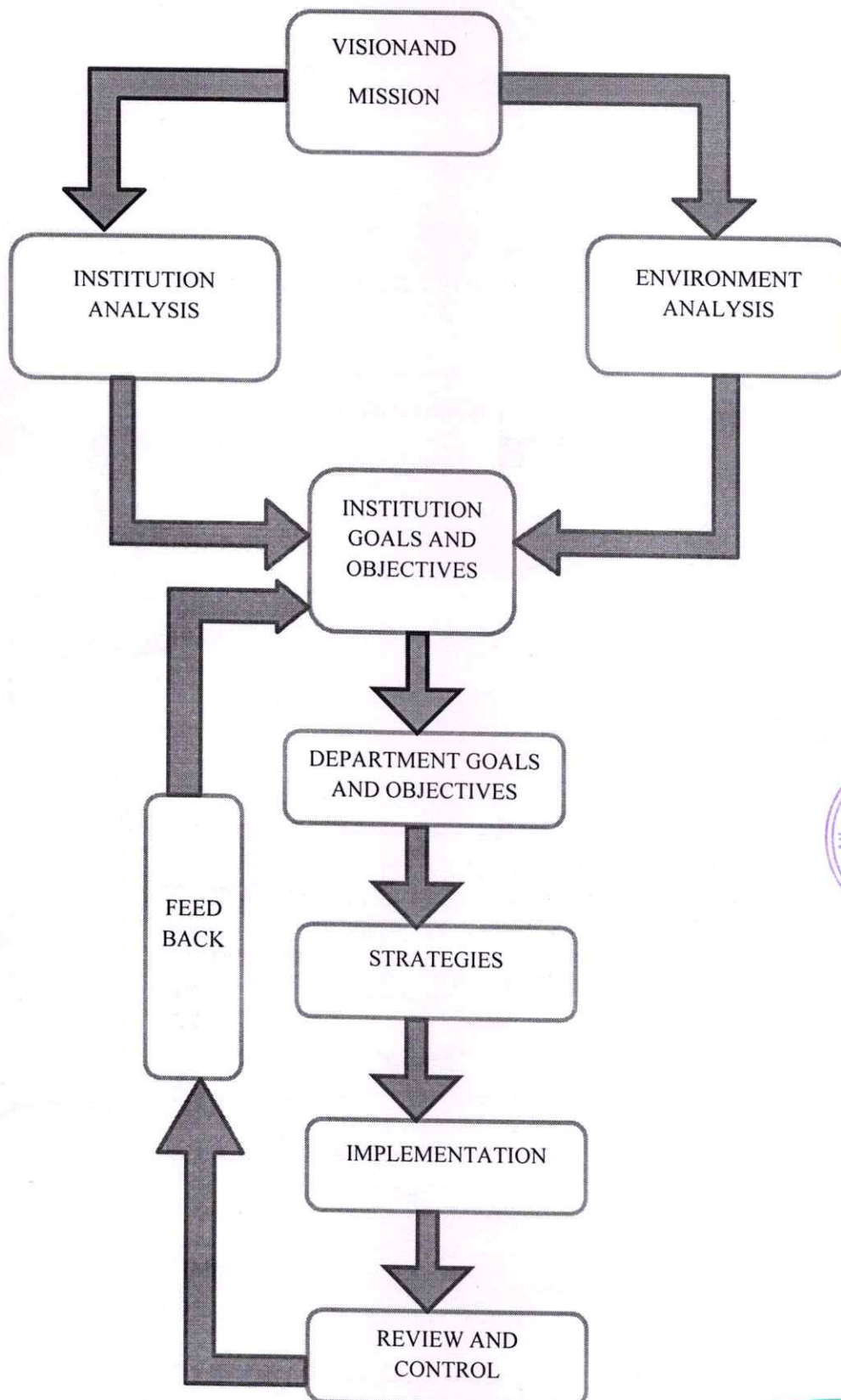
### Application of concept of PDCA Cycle/ Deming Cycle

Proposed by Walter Shewhart and later developed by William Deming, an eminent Quality Guru, the PDCA (Plan-Do-Check-Act) cycle is a framework for continuous improvements in various areas in management processes. PDCA is a four-stage method that enables teams to avoid recurring mistakes and improve processes. This PDCA concept is followed by MACFAST for the attainment of Strategic Goals currently aimed by the college. It comprises of four stages:

1. Plan Phase - By Governing Body and Academic Council and college IQAC on a periodic basis following the parameters of NAAC/NIRF
2. Do/Execution Phase- Through the different departments, college office, cells/ committees/ associations/ student clubs, etc.
3. Check/Study Phase- By the college Principal, duly deputed IQAC co-ordinators, Heads of the departments etc. after applying NAAC/NIRF parameters
4. Act/ Follow-up Phase: Preparation and Submission of Annual Report to Governing Body and Academic Council by the Principal & IQAC co-ordinators. The Governing body gives directions and suggestions about the adequate actions for improvement, if any deviations are found.



## STRATEGIC PLAN FLOWCHART



  
**Fr. Dr. CHERIAN KOTTAYIL**  
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Mar Athanasios College For Advanced Studies  
Thiruvalla- 689101, Kerala



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## INSTITUTIONAL COMMITTEES



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(MACFAST)**

**LIST OF INSTITUTIONAL COMMITTEES**

SL.NO	NAME OF THE COMMITTEE	CHAIRMAN/CONVENER
1	Governing Board	Rev. Dr. S. Ignacimuthu, S. J., Chairman, Governing Board
2	Academic Council	Rev. Dr. S. Ignacimuthu, S. J., Chairman, Academic Council
3	Administrative and Finance Council	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
4	Core Committee	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
5	HOD Committee	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
6	Library Council	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
7	Internal Quality Assurance Cell (IQAC)	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
8	Council of Department of Management Studies	Dr. Sudeep B Chandramana, Head, Department of Management Studies
9	Council of Department of Computer Applications	Mr. Tiji Thomas, Head, Department of Computer Applications
10	Council of School Of Biosciences	Dr. Jenny Jacob, Head, School of Biosciences
11	Anti Ragging Committee	Fr. Dr. Cherian J Kottayil, Principal, MACFAST



12	Grievance Redressal Cell	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
13	Disciplinary Committee	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
14	Prevention of Sexual Harassment and Gender Equality Committee	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
15	Examination Monitoring Committee	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
16	Students Development Council	Mr .Tiji Thomas, Head, Department of Computer Applications
17	Admission Monitoring Committee	Mr .Tiji Thomas, Head, Department of Computer Applications
18	Carrier Guidance and Placement Council	Mr. Nithin James, Placement Officer
19	Covid-19 Monitoring Cell	Fr. Dr. Cherian J Kottayil, Principal, MACFAST
20	Public Relation Committee	Mr. Pavin Raj, Assistant Professor, Department of Computer Applications
21	Ethical Committee	Prof. Varghese Abraham, Academic Administrator MACFAST
22	Hostel Committee	Fr. Dr. Cherian J Kottayil, Principal, MACFAST



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