



St. George's
College *Aruvithura*

Estd. 1965

Affiliated to Mahatma Gandhi University
Re-accredited by NAAC with 'A' Grade

REPORT OF THE IQAC 2021-22

Aruvithura P.O., Kottayam,
Kerala - 686122

www.sgcaruvithura.ac.in
iqac@sgcaruvithuura.ac.in
Ph: 04822 272220, 274220

Vision

The Internal Quality Assurance Cell of the college assesses and sustains the quality benchmarks of the academic and administrative functioning of the institution in tune with the Vision and Mission of the institution.

Mission

To ensure continuous quality improvement, best learning outcomes by facilitating student-centric learning environment, research and innovation and uprightness.

Objectives and Functions of IQAC

Objectives

- Enhance and sustain quality and coordinate quality-related activities by developing an organised methodology of documentation and internal communication.
- Moulding and amalgamating the activities of the College to ensure adoption and propagation of good practice
- Initiating the conduct of internal and external Academic Audits of departments to promote quality, accountability and transparency.
- Designing and maintaining a system of feedback on processes and policies of the College from stakeholders.
- Preparing the Annual Quality Assurance Report (AQAR) as per NAAC guidelines.

Functions

- Setting up the quality parameters and monitoring their application in the various academic and administrative activities of the institution
- Guaranteeing the conducive environment for the learner centric education by innovative teaching and effective learner assessment.
- Initiating programmes and trainings for advancing the career prospects of the faculty members and upgrading their their proficiency.
- Spearheading the conduct of internal and external academic audits of the departments to promote accountability, quality and transparency.
- Pioneering and documenting all the activities of the institution and monitoring the their progress .
- Organizing seminars, webinars and invited talks for the production and dissemination of knowledge.
- Collaborating and conjoining with various international and national institutions and industries Drafting and submitting the Annual Quality Assurance Report (AQAR) as per the guidelines prescribed by NAAC
- Maintaining an effective feedback system from students, parents and stakeholders on the progress of the institution

- Drafting and submitting the Annual Quality Assurance Report (AQAR) as per the guidelines prescribed by NAAC
- Maintaining an effective feedback system from students, parents and stakeholders on the progress of the institution

Team IQAC



V. Rev. Dr. Augustine Palackaparambil - Manager



Dr. Reji Vargheese Mekkaden - Principal



Rev. Fr. George Pullukalayil - Bursar & Course Coordinator



**Dr. Jilu Ani John
IQAC Co-ordinator**



**Dr. Sumesh George
IQAC Asst. Co-ordinator**



**Mr. Mithun John
IQAC Asst. Co-ordinator**

IQAC Team Members

1	Dr. Reji Vargheese Mekkaden	Chairperson and Head of the Institution
2	Rev. Fr. George Pullukalayil	Management Representative
3	Prof. Jilu Ani John	IQAC Coordinator
4	Prof. Lopus Mathew	Alumni Representative and member Kerala PSC
5	Dr. Sumesh George	IQAC Assistant Coordinator
6	Sri. Mithun John	IQAC Assistant Coordinator
7	Dr. Baby Sebastian	Faculty Member
8	Dr. Tessymol Mathew	Faculty Member
9	Ms. Sini Jacob	Faculty Member
10	Sri. Denny Thomas	Faculty Member
11	Dr. Siby Joseph	Faculty Member
12	Sri. Josiah John	Faculty Member
13	Sri. K T Joseph	Administrative Officer
14	Sri. Joby Alex	Administrative Officer
15	Sri. Sabu Mathew	Local Society Representative
16	Sri. Rejo Johns	Student Representative
17	Mr. Satheesh George	Nominee from Employers
18	Mr. P M Mathew Parayil	Nominee from Industrialists
19	Adv. Jose V George	Nominee from Stake holders

Significant Contributions made by IQAC during 2021-22

1. IQAC took up the initiative to ensure the preparedness for NEP by starting Certificate courses of Multi-disciplinary nature and a host of Skill Development programmes like making of LED bulbs, paper bags and paper pens, training in tailoring, handicraft making and baking
2. IQAC has put forward suggestions for the inculcation of the spirit of innovation and entrepreneurship among the students. The institution participated in the Atal Ranking and was recognized as Performer Institution. The IIC of the college was able to implement the Impact Lecture series and participated in Smart India Hackathon.
3. IQAC has pointed out the need for a new spacious a Science Block and the New Science Block with well-equipped laboratories under the RUSA scheme was opened.
4. In order to enhance the Academic flexibility of the curriculum IQAC initiated the starting of new Certificate courses. UGC Approved NSQF Certificate courses in Certified GST Practitioner and Certified Secondary Market Analyst were started running in the college under the Skill India Scheme.
5. The college secured the ISO 21001-2018 which is awarded for educational institutions and management system for meeting learner and other stakeholder needs and expectations . The certificate was awarded for providing educational services with all basic infrastructures, advanced amenities, green protocol and promoting sports and extra-curricular activities. The certification was awarded on 24 May 2022 after the necessary audits and assessment

Other Major Quality Initiatives

Preparation of Academic Calendar

IQAC initiated the timely preparation of the Academic Calendar for the academic year 2021-22. The instructions and inputs from the Governing Body, College Council. The university Academic calendar and the Plan of Action of various departments were promptly incorporated into the calendar. Sri Linu M T Assistant Professor prepared the Calendar paying meticulous attention to the details and as per the suggestions of the Principal and IQAC.

ARIIA Ranking

The institution participated in the Atal Ranking and we were selected as Performer Institution. The college implemented National Innovation start up policy. IEDC in association with IIC conducted two workshops on IPR. Applied for the Impact Lecture series of Ministry of Education Innovation Cell through Institution Innovation Council. The final round of Pioneer Innovation challenge was conducted. IEDC organised A webinar on "Opportunities in Artificial Intelligence & Data Science" was conducted in association with computer science department of the college on 23rd June 2021. Dr.Ebin Deni Raj, HOD, Computer Science and Engineering, IIIT Kottayam was the resource person.



Diksha

An orientation programme for the newly recruited teaching faculty was conducted on 16 August 2021.



St. George's College Aruvithura
Affiliated to Mahatma Gandhi University
Re-accredited by NAAC with 'A' Grade

DIKSHA

Orientation Programme for the Newly Appointed Teachers

10.00 AM
16th August 2021

Resource Person

Dr. T. C. Thankachan
Principal
St. Thomas College of Teacher Education, Pala

OUR PATRONS

Manager	Principal	Course Coordinator
 Rev. Dr. Augustine Makkaparambil	 Dr. Reji Vargheese Mekkaden	 Rev. Fr. George Pullukalayil

Organised by IQAC

Participation in NIRF

Institutional, departmental, faculty and student Data of NIRF and various departments.2020-2021 was collected with the support of the IQAC core team members. Prior to the submission the data was submitted in the College Council and the approval was obtained

Feedback on Academic Performance

Feed back on the academic performance of the institution was taken from all the stakeholders in the online mode. The collected feedback responses were analysed and the necessary corrective suggestions were handed over to respective teachers and departments. Survey on online teaching and learning was conducted as online learning was in practice till the end of October 2021.

Green and Energy Audit

As part of the green initiatives, Green and Energy Audits were conducted in the campus with the support of authorized external auditing agency, OTTOTRACTIONS, Thiruvananthapuram, an accredited energy auditor from Kerala. Joby Joseph, Asst Professor of Botany coordinated the project as per the instructions of IQAC

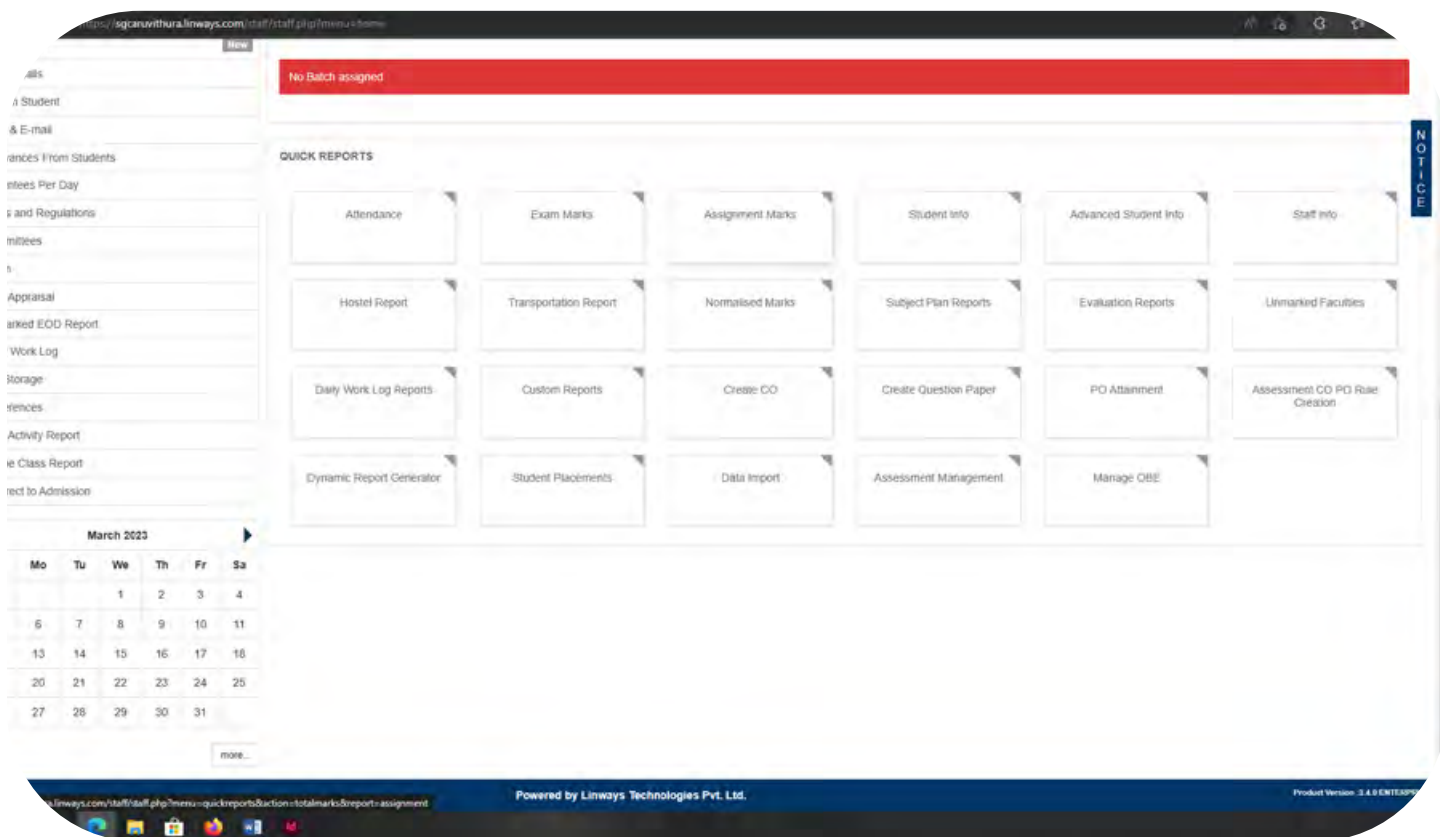


E-governance initiatives

The Academic Management System of the institution Linways facilitates online processing of a number day to day operations. The main modules of the system focuses on following areas : Attendance management, Student details, Admission process, issuing TC and Fee management.

The institution owns an efficient web site that provides login facilities are provided for staff and students. The open source platform – KOHA is used for automation of the library. It provides online book search, reservation and renewal of books. The e-print system supports the digital repository of question papers. The institution follows all the mandatory operations in the government and university portals. The major process such as admission, examination, payroll processing and scholarships are done through government and university portals.

PTA and Alumni meetings were conducted in the online mode using appropriate online platforms. Most of the seminars were conducted in the online mode as the impact of the pandemic was not yet over.



Outcome Attainment Analysis under OBE Scheme

As part of the implementation of OBE, a component of NEP, IQAC spearheaded the analysis of the attainment of Course Outcome by students leading to the assessment of the Programme Specific Outcome and Programme outcome. The mapping of the outcomes was based on the results of the students who passed out in 2022.

Faculty Development Programme

Faculty Development Programme on ICT and Internet of Things for Smart Learning Environment was conducted from 06 December 2021 to 12 December 2021 by the department of Physics in association with the STRIDE project of MG University Kottayam and IQAC St George's College Aruvithura. Moodle Training Programme for the Faculty was organised by IQAC on 16 February 2022. The session was handled by Dr Jestine Joy, Head of the Department of Computer Application.

MAHATMA GANDHI UNIVERSITY
Kottayam, P. D Hills P O, Kerala - 686 568

SCHEME FOR TRANS-DISCIPLINARY RESEARCH FOR INDIA'S DEVELOPING ECONOMY (STRIDE)

FACULTY DEVELOPMENT PROGRAMME
8th - 12th December 2021

Under the Scheme for Trans-Disciplinary Research For India's Developing Economy (STRIDE) of UGC - MHRD

On **ICT and Internet of Things (IoT)**
for Creating Smart Learning Environment

By
Post Graduate Department of Physics, St. George's College, Aruvithura

About the Course	Course Details
Educational Institutes have gone beyond the traditional way of learning by accepting the latest technologies and modern trends, making learning more innovative. The interactive technologies and instant communication services have transformed the methods adopted for education into a more interactive, visualizable and accessible means. As a creative attempt to familiarise digital education tools we St. George's College Aruvithura along with STRIDE Mahatma Gandhi University has organized a Seven day faculty development programme on "ICT and Internet of Things (IoT) for Creating Smart Learning Environment".	<p>Training Mode: Online</p> <p>Duration: 6th - 12th December 2021</p> <p>Last Date of Application: 5th December 2021</p> <ul style="list-style-type: none"> Teaching Faculty from all subjects can participate. Duty Certificate will be provided. Registration fee of Rs 750/- to be remitted by the participants. Participants will receive the hard copy of the Certificates on successful completion of the programme.

Patrons	Coordinators	Organizing Committee
<p>V. Rev. Dr. Augustine Palackaparambil Manager</p> <p>Dr. Raji Varghese Mekkuden Principal</p> <p>Rev. Fr. George Pullukalayil Barter & Course Coordinator</p>	<p>Dr. Abhilash Babu STRIDE Coordinator Director, School of Social Sciences MG University, Kottayam</p> <p>Dr. Santhosh Kumar R HOD, Dept. of Physics 7510357398</p> <p>Mrs. Nisha Joseph Asst. Professor, Dept. of Physics 9539396844</p>	<p>Dr. Sumesh George</p> <p>Mrs. Bity Joseph</p> <p>Mr. Roy Thomas</p> <p>Mrs. Dana Jose</p> <p>Ms. Maria Jose</p>

Training programme for the Administrative staff

Revamp 2022, a training for the Administrative staff was conducted on 02 July 2022. The training was led by Dr R Pragash, Deputy Director of Collegiate Education Kottayam.



St. George's College Aruvithura
Estab. 1963

Affiliated to Mahatma Gandhi University
Re-accredited by NAAC with 'A' Grade

Revamp 2022

One Day Orientation Programme for
Administrative Staff
Initiated by IQAC

10.00 AM
02nd July 2022

Venue:
College Seminar Hall

Inauguration



Dr. R Pragash
Deputy Director, Collegiate Education &
Principal, Govt. College, Kottayam

Presided over by



V. Rev. Dr. Augustine Palackaparambil
Manager

Invited Speakers



Mr. Babu M P
Rtd. Senior Superintendent
Deputy Directorate,
Collegiate Education,
Kottayam



Mr. Shine K S
Junior Superintendent
Deputy Directorate,
Collegiate Education,
Kottayam

Prof. Dr. Siby Joseph
Principal

Rev. Fr. George Pullukalayil
Course Coordinator

Dr. Jilu Ani John
Vice Principal

Feedback on Ambience

Feedback on the student supportive and infrastructural ambience of the campus was conducted among the stakeholders. IQAC reported the analysis to the Governing body and corrective actions were initiated in this regard.

NAAC Data Collection and External Evaluation

The Annual Academic and Administrative Audit was conducted on 22 and 23 March 2022 by Dr Bijimol Thomas, IQAC Coordinator Newman College Thodupuzha.

Outcome Attainment Analysis under OBE Scheme

As part of the implementation of OBE, a component of NEP, IQAC spearheaded the analysis of the attainment of Course Outcome by students leading to the assessment of the Programme Specific Outcome and Programme outcome. The mapping of the outcomes was based on the results of the students who passed out in 2022.

Faculty Publications

Sl No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list/ Scopus/Web of Science/ other, mention
01	The Kinetic Gandhi in Static Art: A Commemorative Iconology for National Integration	Akhil Sanil	Department of English	Gandhi Marg	2022	0016-4437	https://gandhimargjournal.org/	https://gandhimargjournal.022/11/12/volume-44-issue-2-july-september-2022/	Listed in UGC Care List
02	"An adaptable, high-performance relation extraction system for complex sentences	Anu Thomas	Computer Applications	Knowledge based Systems	2022	0950-7051			
03	Development of Photo-responsive Zinc Oxide Nanoparticle - Encapsulated Lignin Functionalized with 2-[(E)-(2-Hydroxy Naphthalen-1-yl) diazenyl] Benzoic Acid: A Promising Photoactive Agent for Antimicrobial Photodynamic Therapy	Linta Maria Jose, Sunny Kuriakose, Tessymol Mathew	Department of Chemistry	Photodiagnosis and Photodynamic Therapy	Aug 2021	1572-1000	https://www.researchgate.net/publication-ca353828753		

04	Applications of aryl-sulfonamides in the synthesis of N-heterocycles	Rose Mary Philip, G. S. Susan Treasa, Salim Saranya and Gopinathan Anilkumar	Department of Chemistry	RSc Advances	June 2021	2046-2069	10.1039/D1RA04099E (Review Article) RSC Adv., 2021, 11, 20591-20600		
05	"Antibacterial, Cytotoxic, and Catalytic Potential of Aqueous Amaranthus tricolor-Mediated Green Gold Nanoparticles"	Mamatha Susan Punnoose, Siby Joseph, Bony K. John, Anu Rose Chacko, Sneha Mathew, Beena Mathew	Department of Chemistry	Plasmonics	March 2022	1557-1955	https://doi.org/10.1007/s11468-022-01622-x		
06	Hairfall Problem: An Intuitionistic Fuzzy Approach to Remedial Measures	Dr. Shiny Jose	Mathematics	International Journal of Scientific Engineering and Applied Science	2022				
07	Graph Isomorphism in Intuitionistic Fuzzy Context	Dr. Shiny Jose	Mathematics	AIP Conference Proceedings	2022				
08	Generalized Inference on Stress-Strength Reliability in Generalized Pareto Model	Dr. Sibil Jose	Statistics		2021				

Faculty Development Programmes

Name of teacher who attended	Title of the program	Duration (from - to) (DD-MM-YYYY)
Dr.Giable George	Recent advances in inorganic chemistry	05-03-2021 to 09-03-2021
Dr.Giable George	Refresher course on environmental studies	03-08-2021 to 16-08-2021
Dr.Giable George	International webinar on phyto-chemistry-impacts and applications	27-09-2021 to 28-09-2021
Dr.Giable George	FDP on Research methodology	26-09-2021 to 30-09-2021
Dr.Giable George	Webinar on Introduction to computational chemistry	10-07-2021
Dr.Manjumol Mathew	International webinar on Recent trends in catalysis	08,10,13-09-2021
Dr.Manjumol Mathew	FDP on Research methodology	26-09-2021 to 30-09-2021
Dr.Manjumol Mathew	FDP on recent trends in design of experiments	18-10-2021 to 23-10-2021
Dr.Manjumol Mathew	Membrane separation process	08-10-2021 to 09-10-2021
Sini Jacob	Short term Program on Academic Writing	21-3-2022 to 26-3-2022
Sini Jacob	Online Workshop on Gender Sensitization	28-02-2022 to 05-03-2022
Dr.Santhosh Kumar R	FDP on' ICT and Internet of Things (IoT)for creating smart learning environment'	06-12-2021to12-12-2021
Dr.Sumesh George	FDP on' ICT and Internet of Things (IoT)for creating smart learning environment'	06-12-2021to12-12-2021
Bitty Joseph	FDP on' ICT and Internet of Things (IoT)for creating smart learning environment'	6-12-2021to 12-12-2021
Nisha Joseph	FDP on' ICT and Internet of Things (IoT)for creating smart learning environment'	6-12-2021to 12-12-2021
Dana Jose	FDP on' ICT and Internet of Things (IoT)for creating smart learning environment'	6-12-2021to 12-12-2021

Maria Jose	FDP on' ICT and Internet of Things (IoT)for cerating smart learning environment'	6-12-2021to 12-12-2021
Dr.Sumesh George	Short Term Course i Gender Sensitization	11-08-2021 to 17-08-2021
Bitty Joseph	Short Term Course i Disas-ter Management and Climate Change	09-11-2021 to 15-11-2021
Dana Jose	FDP on Research Methodology	26-09-2021 to 30-09-2021
Dana Jose	Training on Elemental Analysis	08-09-2021 to 12-09-2021
Alphonse Emmanuel	ICT and Internet of Things for creating smart Learning Envi-ronment	6-12-2021to 12-12-2021
Mariya Mathew	ICT and Internet of Things for creating smart Learning Envi-ronment	6-12-2021to 12-12-2021
Lidiya George	ICT and Internet Of Things (IoT) for Creating Smart Learning Environment	6-12-2021to 12-12-2021
Elizabeth Augustine	Refresher Course on "Managing online classes & Co-creating MOOCS 7.0"	4/8/2021 to 18/8/2021
Dr. Sibil Jose	FDP on' ICT and Internet of Things (IoT)for cerating smart learning environment'	6-12-2021to 12-12-2021
Mr.Benoi C George	FDP On ICT and Internet of Things(IoT)For Creating Smart Learning Environment.	06.12.2021 to 12.12.2021
Mr Binil joseph	FDP On ICT and Internet of Things(IoT)For Creating Smart Learning Environment.	06.12.2021 to 12.12.2021
Dr.Anu Thomas	Workshop on "SAFE tool for Online Exams"	19-June-2022
Dr.Anu Thomas	"40-hour Online FDP on "Emergence of Blockchain Technology and Cryptocurrencies""	2-11 May 2022
Dr. Gemini George	ICT and Internet of Thingsv(IoT) for Creating Smart Learning Environment	6-12-2021to 12-12-2021
Dr. Soumya George	ICT and Internet of Thingsv(I-oT) for Creating Smart Learning Environment	6-12-2021to 12-12-2021

Dr. Soumya George	Virtual labs for experiential learning	4th December 2021
Dr. Soumya George	Cypher fundamentals	April 25, 2022
Dr. Soumya George	Graph Data Modeling Fundamentals	April 27, 2022
Dr. Soumya George	Importing CSV Data into Neo4j	April 28, 2022
Dr. Soumya George	Intermediate Cypher Queries	April 30, 2022
Dr. Soumya George	Neo4j Certified Professional	May 20, 2022
Dr. Soumya George	Graph Data Modeling Fundamentals	April 27, 2022