



SSR Data - 2019-2020

Executive Summary of Self Study Report

Bishop Moore College, established in 1964, is owned and managed by the CSI Madhya Kerala Diocese and inherits the rich legacy of the CMS missionaries who are the pioneers of higher education in Kerala. Seasoned and tested by time and shaped by the passion and diligence of its stakeholders, the College has taken slow and steady but sure steps to achieve its present position of prominence in the NAAC and NIRF rankings, a considerable achievement considering its humble beginnings in a mofussil town.

Nestled in what was once a rocky and inhospitable terrain which was subsequently transformed into a verdant landscape by the eco-coconscious inheritors of the Bishop Moore legacy, the College, affiliated to the University of Kerala, has leapfrogged from a Junior College to one that harbors Undergraduate, Postgraduate and Research Departments. To crown it all, the College was reaccredited with an A grade by NAAC in 2017 and was ranked 76th among the Colleges of the country by NIRF in its 2020 rankings. The previous NIRF ranking was 92 in 2018 and was ranked between 101 and 150 in 2019.

Throughout its 57 years of existence, the College has followed its Motto in letter and spirit and has left no stone unturned in translating its Vision for excellence and Mission for global good into quantifiable realities.

The College offers 11 degree programmes, five PG programmes and also provides opportunities for students to carry out Summer Research Projects at reputed institutions across the country. It offers its research facilities to other institutions and offers opportunities to students for carrying out Summer Projects. It regularly produces University toppers in the UG and PG Examinations conducted by the University. The Undergraduate Science Programmes are supported by the STAR College Scheme of the Department of Biotechnology, Govt. of India.

The College has vibrant Research Centres in the Departments of Physics and Chemistry and they are supported by the DST- FIST scheme of the Govt. of India and the KSCSTE-SARD scheme of the Govt. of Kerala. The College has 20 Research Guides who are well entrenched in the area of their expertise. There are 57 publications in international/UGC CARE listed journals during the last five years of which 9 are PG student projects. Five teachers have ongoing/completed Major Research Projects and 11 have completed Minor Research Projects. The teachers of the College hold Patents. The College has associated with agencies like UGC, KSCSTE, KSHEC, Indian Science Academies and GAD-TLC of MHRD in organising several National and International Conferences, FDPs as well as Refresher Courses and Lecture Workshops. The College has an MoU with Pushpagiri Research Centre to promote research in the bio-medical field. A collaborative research project on 'Human Breast Milk Powder' funded by Department of Bio-technology Government of India is under progress.

The College is an ASAP institution of the Government of Kerala. Outreach programmes of the College include the Unnat Bharat Abhiyan, Shastrajalakam and Gifted Children programme for school students (SIET) and participating Institute of MGNCRE-SCS REC.

[Link to SWOC analysis](#)

Extended Profile of the Institution

1. Programme:					
1.1 Number of courses offered by the Institution across all programs during the last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	424	424	424	424	424
2. Student:					
2.1 Number of students year wise during the last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	1456	1417	1418	1417	1417
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	99	104	104	104	103
2.3 Number of outgoing/ final year students year wise during the last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	449	427	424	412	374
3. Academic:					
3.1 Number of full time teachers year wise during the last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	58	58	62	50	54
3.2 Number of Sanctioned posts year wise during the last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	63	63	63	63	63
4. Institution:					
4.1 Total number of Classrooms and Seminar hall					
40					

4.2 Number of Computers

112

4.3 Total expenditure excluding salary year wise during the last five years (INR in lakhs)

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
7274284	7609727	6254608	4731824	6019344

Criteria - Wise - Data

1. Curricular Aspects

1.1 Curricular Planning and Implementation

1.1. The Institution ensures effective curriculum delivery through a well planned and documented process

1.1..1 Upload a description of the initiatives in not more than 500 words

The College Level Monitoring Committee (CLMC) of the College monitors and ensures effective delivery of the curriculum.

Planning: The Principal convenes the CLMC which comprises of the Heads of the Departments. It is through these CLMC meetings, conducted every month, that the ways and means to implement the curriculum effectively is planned. In these meetings, the schedule of internal examinations and conduct of other curricular and extracurricular activities are finalised according to the University academic calendar. The action plan for the semester is charted out at the Department level, through the Department Level Monitoring Committee (DLMC), comprising of the Heads and Course Co-ordinators of the respective Departments based on the decisions of the CLMC. Course Coordinators are entrusted with the task of overseeing the proper implementation of the curriculum by setting a semester plan, where in the syllabus is distributed evenly within a semester. Each department prepares and submits the action plan. Teachers' diary is maintained by individual teachers which records their academic activities. Heads of the Departments verify the diary periodically which is counter-signed by the Principal.

Implementation: Most of the departments use black/glass/white boards as well as smart interactive boards for teaching learning process. Online curriculum delivery is effectively carried out through online platforms like Google meet and Google classroom. All the departments conduct courses in MOODLE -an Open source platform which is linked to the college website, for effective curriculum delivery.

The college, being affiliated to the University of Kerala follows the syllabi and academic calendars prepared by the University for the effective implementation of the curriculum.

New Initiatives

- PG Entrance and JAM Coaching classes
- Effective utilization of DBT-STAR and DST-FIST like grants for the science departments
- Summer Workshop for second year B.Sc. students on Foundations of Mathematics.
- State of the art Laboratory facility and virtual labs for students
- Sharing of teaching materials, conducting Quiz and assignments directly as well as through

online platforms like MOODLE and Google Classroom.

- Students are motivated to publish papers in journals as well as carry out Summer Research Projects in Reputed Institutions.
- Incorporation of various arts forms in pedagogy (Nadanpattu, Kathakali, etc in Malayalam)
- Problem solving Workshops and Hands on training for the students
- Interactive programmes with eminent scientists
- Knowledge enriching seminars and Invited Lectures by eminent professors.

The link for the academic calendars are provided as attachment.

Documentation: The Minutes of the Staff Council, CLMC and DLMC are properly maintained. Academic Calendar, Semester-Plans, Teachers Diary and Annual Reports of various Departments are systematically documented at the Department level. The college publishes handbook and calendar containing Mission and Vision statement, Code of conduct, General rules, contact details of all staff etc. The news and photographs of all the teaching learning processes are timely updated on the college website which is operated by the IQAC. The annual academic and administrative audit report is a centralised document of all the activities of the college. Newsletters are also brought out every year which documents all the activities of the college in an impressive manner.

Attachments for the metrics

Any other information [1621582371-13_Links to Academic Calendars.docx](#)

1.1.2 Number of certificate/diploma program introduced during last five years

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016

Attachments for the metrics

Minutes of relevant Academic Council/BOS meetings

Details of the certificate/Diploma programs [Link to 1.1.2.1.docx](#)

Any additional information

Clarification

SAAC, KSHEC :: 15-09-2021

Response of the Clarification :: 02-09-2021

We would like to inform that this metric was opted out. Kindly let us know if the files are to be produced

Attachments for Response

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
10	13	13	7	13

Attachments for the metrics

Details of participation of teachers in various bodies [BoS filled template.xlsx](#)

Any additional information BoS.xlsx					
Clarification					
SAAC, KSHEC :: 15-09-2021					
1.2 Academic Flexibility					
1.2.1 Percentage of new Courses introduced of the total number of courses across all Programmes offered during last five years.					
1.2.1.1 Number of new programmes (Degree/Certificate/Diploma) offered in last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	3				
Attachments for the metrics					
Minutes of relevant Academic Council/BOS meetings. Orders 2019.pdf					
Any additional information					
Institutional data in prescribed format new courses filled template.xlsx					
Clarification					
SAAC, KSHEC :: 15-09-2021					
1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented					
1.2.2.1 Number of programs in which CBCS/ Elective course system implemented (current year data)					
15					
Attachments for the metrics					
Name of the programs in which CBCS is implemented 1619001802-13 Elective CBCSS.xlsx					
Any additional information					
Institutional data in prescribed format Elective CBCSS.xlsx					
Clarification					
SAAC, KSHEC :: 15-09-2021					
1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years					
1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	62	88	25	50	96
Attachments for the metrics					
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs					
Any additional information Link to 1.2.3.1 data.docx					
Clarification					
SAAC, KSHEC :: 15-09-2021					
1.3 Curriculum Enrichment					
1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability,					

Human Values and Professional Ethics into the Curriculum

1.3.1.1 Describe methods by which Institution integrates cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Gender Equity, Environment and Sustainability, Human Values and Professional Ethics are woven into the CBCSS curriculum to shape the students into responsive and responsible citizens who would contribute towards global good. A plethora of courses, designed to address the environmental issues and aimed at sensitizing the students towards such issues are a part of the curriculum. The courses are:

Environmental Studies and Disaster Management (EN1211.1), Paristhithi: Sidhanthavum Avishkaravum (ML1331), Environmental Studies and Phytogeography (BO1542), Environmental Studies (BB1241), Environmental Biotechnology (BB1672), Basics of Environmental Biotechnology (BB1553). These courses are designed to impart a basic understanding of the structure and function of the environment and its interaction with the living systems. It will impart knowledge about the geographical distribution of plants, the impact of human intervention in the environment and the delicate balance of various factors in the environment. It gives an idea about the various types of biodiversity and the influence of environmental pollution on biodiversity.

Selection of Elective Courses: The choice of elective courses in both undergraduate and post graduate programmes is an opportunity where affiliating courses can explore the possibility of integrating cross-cutting issues into the programme on their own choice

Gender issues are addressed in the curriculum of Languages and Literature programme through elective courses like Women's Writing (EN1644), Dalithezhuthu, Pennezhuthu- Sidhanthavum Avishkaravum (ML1431) etc. The students are made aware of the pressing gender issues and are made to think of ways and means to set things right. Human values are discussed as a part of the various courses in Humanities programmes. In the Animal Biotechnology (BB1573) course offered under Biotechnology programme the students are sensitized on the ethical issues of Animal biotechnology.

Zero Credit Courses:

The College also gives special emphasis on Gender, Environment and Sustainability, Human values during the choice of zero credit course of 30 hours that has to be successfully completed as part of the fourth semester of the Undergraduate Programmes. The courses selected for the academic year 2019-20 keeping this in mind are Environmental Activities Club, Performing Arts-Folklore Club, Nature/Eco Club, Planning Forum and Human Rights Club

Open Courses:

Affiliating colleges are given the flexibility to choose open courses for each programme from among the list provided by the University for each programme. During the selection of the course, the Departments consider various aspects, among which impartation of values are given special attention. Some examples are Energy Physics offered by the Department of Physics, Human Resources Management offered by the Department of Economics and Public Health and Hygiene offered by the Department of Zoology.

Assignments, Seminars and Projects: Assignments, Projects and Seminars, related to Professional Ethics, Gender issues, Environment and Sustainability and Human Values are provided wherever possible, so as to inculcate in them a positive attitude. The zero credit courses give

special emphasis on projects related to energy conservation, Water Quality Survey etc. Students are promoted and motivated to undertake their research projects on environment and sustainability like water quality analysis, Survey on Women Issues, synthesis of bioplastics etc

Attachments for the metrics
Any Additional Information
Upload the list and description of courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum. Related Courses.xlsx

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

18

Attachments for the metrics
Any additional information
Brochure or any other document relating to value added courses VET courses_compressed.pdf
List of value added courses 1625535942-13_Value Added Courses template filled.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

1.3.3 Percentage of students undertaking field projects / internships

1.3.3.1 Number of students undertaking field projects or internships (current year data)

301

Attachments for the metrics
Any additional information
List of programmes and number of students undertaking field projects/internships project.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

Need clarification on Sl. 8 & 9

Response of the Clarification :: 02-09-2021

The number of students undertaking field projects/internships for Sl No. 8 is 47 and that for Sl. N. 9 is 17. Now the total number is 301. The updated file in the template provided is attached.

Attachments for Response

[Corrected List of students undertaking field projects/internships](#)

2. Teaching-Learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

2.1.1.1 Number of students admitted year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
486	524	518	513	518

2.1.1.2 Number of sanctioned seats year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
513	529	521	520	526

Attachments for the metrics

Any additional information

Institutional data in prescribed format [1619004938-13 Student Enrolment \(1\).xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

2.1.2 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during last five years

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
85	109	96	95	104

Attachments for the metrics

Any additional information

Average percentage of seats filled against seats reserved [2.1.2.1 Student Diversity.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special Programmes for advanced learners and slow learners

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Initial Assessment of Learning level:

Observing the marks scored by the students in the qualifying exams, the nature of the Programmes offered and the unique requirements of each, different assessment strategies are adopted:

- In Science subjects, problem solving skills are assessed using simple tests.
- In Language and Literature courses, linguistic and literary abilities of the students are tested through written and oral presentations.
- In Commerce and Economics, the critical thinking of the students is evaluated through the discussion of various case studies.

Special Programmes for Advanced Learners:

1. Association Representatives: Advanced learners are selected as office bearers of [Association activities/Extension Activities](#).

2. Summer Projects/Internships: [Filed Visits/ Internships/Hands on Training](#) for experiential learning is provided

3. Co-author Papers: Students having special aptitude in Research are provided opportunity to co-author articles in SCI journals.

4. Walk With the Scholar' programme: The WWS programme provides necessary orientation, guidance and motivation to the promising students to enrich and nourish their talents for higher studies and better employment opportunities.

5. PSC/Civil Service/JAM Coaching: Advanced learners are motivated to apply for National level tests and Entrance exams, and special coaching is provided for the same. They are given opportunity to visit research institutions to develop scientific temper.

6. STARS OF MOORE Contest: Every year the college conducts a Best Outgoing student contest, the various steps involved in which helps to inculcate different competencies in them.

Special programme for Slow Learners:

Special care is given to slow learners to overcome their weakness and come at par with the rest of the class.

1. Bridge Courses: Bridge programmes before starting a semester is organised

2. Scholar Support Programme (SSP): Teachers put in extra hours with them under this programme. Extra learning materials and model tests are given to the students as part of the programme.

3. Additional Skills Aquisition Programme (ASAP): Students lacking soft skills are extensively trained under this programme.

Other Special Teaching Learning Processes include

- Orientation Programmes to newly admitted students
- Effective Curriculum delivery through ICT enabled student centered teaching learning processess
- Previous years University question papers are made available in the college website as well as hard copy is maintained in the Library.
- Establishment of effective mentor-mentee relationship
- Seminars/Endowment Lectures for enhancing learning capabilities
- Invited Talks/Interactions/Training workshops and hands on sessions for skill development
- Offering Add on courses/ Certificate courses
- Offering Career Guidance and Counselling sessions
- Organizing Inter Departmental and Inter Collegiate competitions
- Special programmes under DBT STAR College scheme for interaction with eminent scientist, training programmes etc for Science students
- Enrichment programmes focussed on personality development, social awareness, moral values, enhancing motivational level, etc
- Centralised system to conduct and assess internal examinations.
- Feedback Mechanism: The College has a formal mechanism of obtaining feedback from

students, parents and alumni to evaluate the efficacy of the programmes and services provided by the College. From 2017 feedback has been collected through the [feedback entry portal](#) on the college website. Based on the feedback received necessary actions are taken to improve the efficacy of the teaching-learning process.

Attachments for the metrics
Paste link for additional Information http://bishopmoorecollege.org/news/
Upload any additional information Feedback newsletters daily activities.docx

2.2.2 Student-Full time teacher ratio (current year data)

Attachments for the metrics
Institutional data in prescribed format Student Teacher Ratio.xlsx
Any additional information

Clarification

SAAC, KSHEC :: 15-09-2021

2.3 Teaching - Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

2.3.1.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The College designs the process of planning, delivery of curriculum and assessment in such a way that it is student centric. The various departments follow different strategies to make learning more student-centric and ensure the holistic development of students.

1. Experiential Learning

1. **Project Work-** For UG and PG projects, students choose topics in their area of interest and teachers give sufficient guidelines and support for the completion of their work.
2. **Summer Research Projects** – Science students are encouraged to apply for Summer Research projects at institutions of national repute. 18 students have successfully completed Summer Research Projects at institutes like IISc, JNCASR, IITs, IGCAR, IISER, IIST etc. during 2015-20, which provide them experiential learning towards research.
3. **Field Trips** - Field Trips, regularly organized by the College to reputed institutions and places of importance, have proved to be vital in bridging the gap between the traditional classroom and hands-on experience.
4. **Industrial Visits-** Various departments organize industrial visits, which provide insight to students regarding internal working of reputed companies and practical perspectives of work places.
5. **Invited Talks-** The College regularly provides opportunities to students to listen to globally-respected researchers, local luminary, celebrities and well-known academicians.
6. **National and International Conferences-** The departments conduct national and international conferences regularly, and students are given responsibilities which equip them to organize events systematically and effectively and they get

opportunities to interact with scholars from different cultural and social backgrounds and listen to scholarly lectures.

2. Participative Learning

1. **Role Plays, Debates, Public Speaking and Seminars** are among the participative learning methodologies adopted by the College.
2. **Group and Team Work-** Celebration of important days, NSS and NCC camps, Village Adoption (UBA), Tree plantation, Swatch Bharat, Health awareness Camps, blood donation camps etc. help the students to learn the art of living in a team for the welfare of the society and community as a whole.
3. **Extension activities-** NSS, NCC, Science Club, Sports Club, Bhoomithrasena, Entrepreneurship Development Club, Women's Study Unit, Debate Club, Literary Club, Nature Club etc. are certain extension programmes offered by the College and this will help to sensitize the students regarding social values, responsibilities and knowledge of prominent societal issues and problems.
4. **College Magazine-** The College magazine *Vidyasarith* is published annually. Students contribute articles and work on the editorial board which help improve their creative and administrative skills.
5. **Exhibitions-** Students get a chance to apply the practical aspects of their learning through exhibitions organized by the departments.

3. Problem solving Methodology

1. **Case Studies-** Case studies are used as a teaching tool to show the application of theories and concepts to real situations. For instance, in Environmental Science paper, project work is assigned to identify environmental issues in their neighbourhood and submit a report of the same.
2. **Assignments-** Assignment topics involve problem-solving, in which students are required to identify the problem and resolve it in a scientific way.
3. **Quiz Competitions-** All the departments conduct inter-department quiz competitions based on various topics.

Attachments for the metrics

Upload any additional information

Link for additional information

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-Learning resources etc.(current year data)

2.3.2.1 Number of teachers using ICT

73

Attachments for the metrics

Upload any additional information

Provide link for webpage describing the "LMS/ Academic management system"

<http://bishopmoorecollege.org/moodle/>

Upload list of teachers (using ICT for teaching) based on the Data Template [Teachers](#)

[ICT.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

2.3.3 Ratio of students to mentor for academic and stress related issues (current year data)

2.3.3.1 Number of Mentors

73

Attachments for the metrics

Upload year wise list of number of students, full time teachers and mentor/mentee ratio
[Mentor Mentee.docx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

2.3.4 Innovation and Creativity in teaching-learning

2.3.4.1 Upload description of innovation and creativity in teaching-learning process not more than 500 words

Innovation and creativity in teaching-learning process is manifested in the following strategies that the College adopts:

- Use of National instruments Multisim software and LT Spice software for the design of electronic projects and practicals
- Use of virtual lab for the Conceptualization of experiments in Physics, Chemistry, Botany, Zoology
- Bringing 'Bank to campus' for the familiarization of banking procedure for commerce students
- Use of Mendeley software by Chemistry students, to arrange the research articles and format their bibliographies according to standard journal formats
- Organizing of nine lecture workshops in association with the Indian Science Academies (INSA, New Delhi, NASI, Allahabad and IASc, Bengaluru) on topics included in the PG syllabus, where fellows of the Indian Academies lead the lectures, giving exposure to the latest research happening in related fields
- Providing e-resources like E- journals and E- books, including INFLIBNET facility for PG and research students
- Providing e-access to previous years University question papers through the College website
- Recommending students to institutes of national repute to carry out Summer research projects. 18 students from the Science departments have successfully completed Summer research projects in IISc, JNCASR, IITs, IGCAR, IISER and IIST.
- Collaboration with various reputed institutions and agencies to aid the students in getting first hand information as well as hands-on training on the emerging technologies
- Incorporation of Learning Management System (Moodle) and digital technologies like Google Meet, Google Classroom, Zoom etc. in teaching
- Conduct of online internal examinations
- Giving opportunities to Language students to watch world renowned movies as part of the Film Studies paper
- PG students are encouraged to prepare multimedia presentations as part of the classroom seminars.
- Providing opportunity to meet and interview celebrities as part of the UG project work.
- Offering add-on courses to students

Attachments for the metrics

Any additional information

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Attachments for the metrics

Any additional information

List of the faculty members authenticated by the Head of HEI [Faculty.xlsx](#)

Year wise full time teachers and sanctioned posts for 5years [Teaching posts.xlsx](#)

Clarification**SAAC, KSHEC :: 15-09-2021**

2.4.2 Average percentage of full time teachers with Ph. D. during the last five years

2.4.2.1 Number of full time teachers with Ph. D. year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
27	25	25	22	24

Attachments for the metrics

Any additional information

List of number of full time teachers with Ph. D. and number of full time teachers for 5years

[2.4.2.1 Teacher PhD.xlsx](#)**Clarification****SAAC, KSHEC :: 15-09-2021**

2.4.3 Teaching experience of full time teachers in number of years(current year data)

2.4.3.1 Total experience of full time teachers (sum of total experience)

651

Attachments for the metrics

Any additional information

Clarification**SAAC, KSHEC :: 15-09-2021**

2.4.4 Percentage of full time teachers who received awards, recognition, fellowship at State, National, International level from government, recognised bodies during last five years

2.4.4.1 Number of full time teachers receiving awards from state/ national/ international level from Government recognised bodies year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
3	1	1	2	Nil

Attachments for the metrics

Any additional information

e-copies of award letters (scanned or softcopy)

Institutional data in prescribed format [AWARDS TEACHERS.xlsx](#)**Clarification****SAAC, KSHEC :: 15-09-2021**

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

2.4.5.1 Number of full time teachers from other states year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
10	10	8	7	7

Attachments for the metrics

Any additional information

List of full time teachers from other states and state from which qualifying degree was obtained

[Teacher Out of State.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

Please provide list of teachers from other states. Data provided are of teachers who have completed their studies from outside state.

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation (CIE) System at the Institutional level

2.5.1.1 Reforms in Continuous Internal Evaluation (CIE) System at the Institutional level

- The Continuous Internal Evaluation (CIE) system is monitored by the College Level Monitoring Committee (CLMC). CLMC constitutes the Principal as the Chairperson, Heads of departments, elected representatives of teachers in the College Council and a student representative. A member selected by the CLMC from among the Heads of the Departments shall be the Convenor.
- Department Level Monitoring Committee (DLMC) consisting of the Head of the Department and all teachers of the Department shall monitor the conduct of Courses and evaluation under CIE. The Head of the Department shall be the Chairperson and a teacher selected by DLMC from among the members shall be the Convenor.
- The College has a full-fledged Internal Examination Cell under the governance of CLMC for the smooth conduct of Centralized Internal Examination. The CLMC selects two faculties as the Coordinators of the Internal Examination cell. They are responsible for the preparation of time table and invigilation duty list, collection of question papers from concerned course advisors, sorting of question papers, smooth conduct of examination and the distribution of answer scripts to concerned faculties. The Internal Examination Cell, DLMC, and CLMC jointly announce the dates for the distribution of corrected answer scripts to the students. Thus, they make sure that the best possible outcomes are assured. The College also offers facilities to solve their grievances regarding internal examination scores.
- Attending the internal examination is mandatory. Retest is conducted for students who have not attended the same due to genuine reasons.
- Internal Examination for post graduate students are conducted at the department level.
- The institution strictly follows the criteria given by the University for Continuous Internal Evaluation (CIE).

Attachments for the metrics

Any additional information

Link for additional information

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

2.5.2.1 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

- The assessment criteria are published in the College Handbook and also explained by the teachers in the classes.
- The dates of internal exams are published on the notice board and also informed by the class wardens and HoDs.
- Students have the freedom to submit an assignment or make a seminar presentation.
- Internal marks are awarded for the report submitted by students based on their field visits.
- Students are given the opportunity to verify their final attendance in each semester.
- After the internal examination, course advisors evaluate the answer scripts and distribute them to students within one week. The students can scrutinize their answer scripts in the presence of their teachers. It ensures the transparency and reliability of the internal evaluation process.
- The course advisors of each course prepare the continuous evaluation mark list as per the

University guidelines. After getting the confirmation and signature of all students, the course advisor hand over the mark list to the concerned faculty advisor, who consolidates the CE marks of all subjects of a student and gets them signed by the students.

- The consolidated CE marks are uploaded in the low level (faculty advisor level) of the University portal and forwarded to the middle level (HoD level). The HoD verifies these marks and forwards them to the high-level (Principal level) where the Principal verifies the marks and forwards them to the University. The final print out of the marks are also signed by the students.
- Frequency: The college conducts one test paper per semester in a centralised manner as a model examination in the university examination pattern. Course advisors conduct class tests before the model examination.
- CCTV cameras monitor the examination process so that the cases of malpractices are very rare.
- Model examination for practical and viva voce are conducted at the department level.
- Absentees with genuine reasons get an opportunity for re-test.

Attachments for the metrics
Any additional information
Link for additional information http://bishopmoorecollege.org/college-calendar-and-handbook/

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

2.5.3.1 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

- There are three levels of grievances redressal available to the students with regard to internal assessment - at the Faculty advisor level, at the HoD level (DLMC) and finally at the Principal level (CLMC). Students can approach these levels in a hierarchical order to register their grievances regarding discrepancy in evaluation. Because of the transparency in the distribution of answer scripts and internal assessment procedures, grievances related to the continuous internal evaluation are rare.
- There is a Grievances Redressal Cell in the College which can be approached by the students/faculty for the redressal of grievances. The grievances lodged before the Grievances Redressal Cell will be solved immediately or necessary steps will be taken in a time-bound manner.
- At the University level, all answer scripts of the undergraduate End Semester Examinations are valued by an Additional Examiner and a Chief Examiner at Central Evaluation camps. Students can apply for revaluation or scrutiny of answer scripts if they are not satisfied with the original evaluation. The answer scripts of post graduate examinations are sent for first valuation and second valuation to two separate centres. Answer scripts with a difference of more than eight marks are sent for third valuation.

Attachments for the metrics
Any additional information
Link for additional information http://bishopmoorecollege.org/students-grievances-redressal-cell/

2.5.4 The Institution adheres to the academic calendar for the conduct of CIE

2.5.4.1 The Institution adheres to the academic calendar for the conduct of CIE (Upload a description not more than 500 words)

- Since the College is affiliated to the University of Kerala, we strictly adhere to the academic calendar given by the University.
- The College prepares an academic calendar based on the University calendar to schedule,

plan and implement the upcoming events.

- The College schedules the dates for assignment submission, centralized internal examination, returning of valued answer scripts, publishing of CE marks, and submission of project/ dissertation to the College, by following the academic calendar published by the University.
- The CLMC gives timely notification about the dates to the faculty members as well as students.

Attachments for the metrics

Any additional information [1618972914-13 Academic Calendars.docx](#)

Link for additional information <http://bishopmoorecollege.org/academic-calendars/>

2.6 Student Performance and Learning Outcomes

2.6.1 Average pass percentage of Students (Current year data)

2.6.1.1 Total number of final year students who passed the university examination

288

2.6.1.2 Total number of final year students who appeared for the university examination

456

Attachments for the metrics

Upload any additional information

Paste link for the annual report <http://bishopmoorecollege.org/annual-reports/>

Upload list of Programmes and number of students passed and appeared in the final year examination [Student Pass Percentage.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

2.7 Student satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Attachments for the metrics

Upload any additional information

Upload database of all currently enrolled students [Student satisfaction survey.xls](#)

Clarification

SAAC, KSHEC :: 15-09-2021

3. Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by the government and non government sources such as industry, corporate houses, international bodies, endowment, Chairs in the institution during the last five years(INR in Lakhs)

3.1.1.1 Total Grants for research projects sponsored by the government and the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during last five years (INR in Lakhs)

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
3135000	662400	1601789	6246000	3672297

Attachments for the metrics

Any additional information

e-copies of the grant award letters for research projects sponsored by government and the non-

government 3_3.1.1 Link to ECopies.docx					
List of project and grant details Projects.xlsx					
Clarification					
SAAC, KSHEC :: 15-09-2021					
3.1.2 Percentage of teachers recognized as research guides at present					
3.1.2.1 Number of teachers recognized as research guides					
20					
Attachments for the metrics					
Any additional information					
Institutional data in prescribed format Guideship.xlsx					
Clarification					
SAAC, KSHEC :: 15-09-2021					
3.1.3 Number of research projects per teacher funded by government and non government agencies during the last five years					
3.1.3.1 Number of research projects funded by government and non government agencies during last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	1	4	11	15	14
Attachments for the metrics					
List of research projects and funding details 1618722757-13_3.1.1 List of Research Projects.docx					
Any additional information					
Supporting document from Funding Agency 1618722757-13_3.1.1 List of Research Projects.docx					
Paste Link for the funding agency website					
Clarification					
SAAC, KSHEC :: 15-09-2021					
3.2 Innovation Ecosystem					
3.2.1 Number of Workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years					
3.2.1.1 Total number of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	20	26	29	14	25
Attachments for the metrics					
Report of the event 1621677467-13_Link to Reports of Seminar Workshops (1).docx					
Any additional information					
List of workshops/ seminars during last 5 years Criterion3_Seminars_Workshops.xlsx					
Clarification					
SAAC, KSHEC :: 15-09-2021					

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

3.3.1.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Yes

Attachments for the metrics

Any additional information

Institutional data in prescribed format [1619341188-13_Code of Ethics.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/ awards

3.3.2.1 The institution provides incentives to teachers who receive state, national and international recognition/ awards

No

Attachments for the metrics

e-copies of the letters of awards

Any additional information

List of Awardees and Award details

Clarification

SAAC, KSHEC :: 15-09-2021

3.3.3 Number of Ph.D's awarded per teacher during the last five years(Not applicable to UG college)

3.3.3.1 How many Ph.D's awarded within last five year

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
1	1	Nil	1	2

Attachments for the metrics

URL to the research page on HEI web site <http://bishopmoorecollege.org/facilities/>

Any additional information

List of PhD scholars and their details like name of the guide , title of thesis, year of award etc
[phd awarded.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

3.3.4 Number of research papers per teachers in the Journals notified on UGC website during the last five years

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
17	16	4	5	8

Attachments for the metrics

Any additional information [Publications not in UGC care list.xlsx](#)

List of research papers by title, author, department, name and year of publication
[Publications \(1\).xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

Please provide list of papers published in journals included in the UGC care list

Response of the Clarification :: 02-09-2021

The question is missing.

Attachments for Response

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/ international conference-proceedings per teacher during last five years

3.3.5.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
7	10	12	4	7

Attachments for the metrics

Any additional information

List books and chapters edited volumes/ books published [Books and Book chapters \(1\).xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

3.4 Extension Activities

3.4.1 Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development during the last five years

3.4.1.1 Describe the impact of extension activities in sensitising students to social issues and holistic development within a maximum of 500 words

The College desires to carve out a generation who would take an active role in social activities. The various extension activities of the College are designed to promote social participation of the students to benefit and empower the larger community and also instill humanitarian values. The kinds of services are made available to nearby schools, villages and communities. Here, the main beneficiary of the College is the local community. The members of NCC, NSS, Youth Red Cross, Nature Club, Alumni association along with all the departments of the College devote themselves and actively involve in this effort. As a part of the extension activity, the College conducts surveys, designs teaching modules, organizes classes on Energy conservation, implements Rain harvesting projects at Panchayat level, runs counselling clinics and holds fund collection drives.

- During the recent pandemic, when the whole world was struggling to curb COVID 19, the Department of Chemistry of Bishop Moore College has actively involved in the in-house preparation of hand sanitizers following the WHO procedures and has distributed the sanitizers to neighboring police stations, Govt. Hospital, Mavelikara Jail, DD Office Kollam and the local communities.
- The Bishop Moore College became a part of the 'The Gifted Children Program', initiated by the Department of Education, Government of Kerala for the Promotion of Excellence among Gifted Children by conducting a program for the Gifted Children of Mavelikara Educational District, jointly organized by the Science Departments of Bishop Moore College on 15th February 2020. 60 talented students of 8th and 9th standards from Mavelikara Educational District participated in the program. Practical sessions on Chemistry were conducted for the students.

- A Training program on 'Mushroom Production and Marketing' for students, parents, staff and public. It was jointly organized by the Department of Botany and Biotechnology and Department of Zoology on 24th January 2020. About 100 participants including students, parents, staff and public participated in the program. Smt. Leenarani, an awardee of Karshakasree and one of the master trainers from the Krishi Vigjan Kendra, Alappuzha lead the training program. All the participants had a hands-on training session during the program.
- Training on paper bag making was organized by the Bhoomithrasena club on 9th December 2020. Around 140 paper carry bags were made distributed to the local shops on 17th January 2020
- National Seminar on "Scientific Solutions for Sustainable Rebuilding of Kerala in the Post Flood Scenario" was organized jointly by the Department of Physics, IQAC and DBT STAR College Scheme in association with Directorate of Environment & Climate Change (DoECC), Govt. of Kerala, during 09-10th of Jan 2020. The national seminar was organized to create an awareness among the local community and students of the impact of climate change and factors contributing to the same and the steps to immediately implement in the local society to save the environment and stabilize the present climatic conditions. Famous activist Smt. Medha Patkar and Dr. M.C. Dathan, Scientific Advisor to the CM, Kerala delivered the keynote talks.

Attachments for the metrics

Paste link for additional information <http://bishopmoorecollege.org/extension-activities-2/>
 Upload any additional information

3.4.2 Number of awards and recognitions received for extension activities from government/ recognised bodies during the last five years

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ recognised bodies year wise during the last five years.

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
3	1	2		

Attachments for the metrics

Any additional information
 e-copy of the award letters [awards extension.pdf](#)
 Number of awards for extension activities in last 5 year [Extension Activity Awards.xlsx](#)

Clarification

SAAC, KSHEC :: 02-09-2021
 provide all award letters

Response of the Clarification :: 03-09-2021

All the award letters and updated Excel file is attached. Kindly note that No. of awards for 2017-18 is 2, that for 2018-19 is 2 and that for 2019-20 is 2. Kindly update the same.

Attachments for Response

[E-Copies of Awards](#)
[Updated Template](#)

3.5 Collaboration

3.5.1 Number of linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the-job training, research etc during the last five years

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research etc year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
16	1	9	2	1

Attachments for the metrics

e-copies of linkage related Document [E Copies Linkage.docx](#)

Any additional information

Details of linkages with institutions/industries for internship [linkage.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

3.5.2 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years (Only functional MoUs with ongoing activities to be considered)

3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
3	Nil	Nil	Nil	Nil

Attachments for the metrics

e-Copies of the MoUs with institution./ industry/ corporate houses [1618731774-13 Link to E-Copies of Letter of Collaboration.docx](#)

Any additional information

Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years [3.5.2.1.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

Provide MOU letter for SL.No. 1 & 2

Response of the Clarification :: 02-09-2021

Given below the MoU for SI. No. 1

<https://drive.google.com/file/d/1IVz5gYGyDH46Gg5GjgJerqfcEBnV2c4m/view?usp=sharing> Given below the MoU for SI. no. 2:

https://drive.google.com/file/d/1VmQVKS18FM122hFvxu0_jEvhLr6aiDgJ/view?usp=drivesdk

Attachments for Response

[Updated Excel File with links corrected](#)

4. Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate facilities for teaching-learning. viz., classrooms, laboratories, computing equipment etc.

4.1.1.1 Describe the adequacy of facilities for teaching –learning as per the minimum specified requirement by statutory bodies within a maximum 500 words

The College has made optimum use of the 16 acres of land under its possession. The facilities include 36 class rooms, 13 laboratories, 3 computer labs, 3 IT enabled seminar halls, an administrative block, an auditorium, a central library, community and counselling centre, book stall, canteen, basket ball court, playground, women's centre, green house, herbarium and museum. A generator of 6 MW provides power backup. Ramps, hand rails, wheelchairs and a separate toilet are

provided keeping in mind the requirements of the Differently Abled. During the last five years, the College has upgraded its physical infrastructure to meet with its academic ambitions. The residential facilities include the Principal's quarters (Moore House), Ladies Hostel and GuestRooms.

Technology Enabled Learning Spaces (with ceiling mounted LCD projector and Internet facilities)

- Class rooms with ICT Facility -12 No.s
- Physics E-Learning Room (A/c) with 75" Interactive Board facility
- Chemistry Smart Room with 65" Interactive Board facility
- Commerce and Mathematics Computer Lab
- Three Seminar Halls.

Seminar Halls

- **Main Seminar Hall** (A/c) with 150 seats
- **Conference Hall** (A/c) with 60 seats
- **Elizabeth Memorial Hall** with 75 seats

Laboratories (16 No.s of which the Undergraduate Labs are supported under DBT STAR College Scheme)

- Physics (04 No.s)
- Chemistry (04 No.s)
- Botany and Biotechnology (06 No.s)
- Zoology (02 No.s)

Research Labs

The two research labs (Physics and Chemistry), supported by DST FIST have sophisticated instruments like FT-IR, UV Visible Spectrometer, TGA/DTA/DSC Instrument, UV Vis Spectrophotometer, Florimeter, Spin coater, Sputtering Unit, High Temperature Furnaces, Optoelectronics instruments and computational lab with two work station computers (i7 processor) with Gaussian Software.

Computer Centres

- **Main Computer Centre** (18 Desktop Computers with 1 server, UPS facility, LAN, Internet Connectivity, Printer and Scanner). A Computer Professional is employed to help the students.
- **Physics Computer and Networking Centre** (Air conditioned with 25 Desktop Computers and 1 server, LAN, Two units of 5 KVA battery installed)
- **Commerce and Mathematics Computer Lab** (16 Desktop Computers, LAN, 5 KVA battery, Ceiling Mounted LCD projector).

Museums

- **Zoology Museum** with rare collection of exhibits including various species of stuffed, animals, birds and skeletons.
- **Botany Museum** has preserved specimens(formalin/alcohol) of botanical importance, marine and fresh water algae, microscopic and macroscopic fungi, rare collections of

bryophytes, pteridophytes, gymnosperms, morphological and anatomical specimens of angiosperms.

Green House consists of rare and endangered plants. A full time gardener takes care of the plants.

The **Central Library** is home to around 52000 books and is fully automated with KOHA software version 18.11 updated in 2017. The students are given Inlibnet access. Postgraduate Departments have libraries of their own.

Internet connectivity with a bandwidth of 100 Mbps is available in the Institution.

Learning Management System MOODLE is effectively used in teaching and learning (<http://bishopmoorecollege.org/moodle/>)

The College has initiated the construction of a State of the Art Library Complex. Purchase of 4 Interactive Boards and Installation of a Video Conferencing Centre will be realized in the current academic year utilizing the RUSA grant.

<http://bishopmoorecollege.org/resources/>

Attachments for the metrics
Upload any additional information
Paste link for additional information http://bishopmoorecollege.org/resources/

4.1.2 The Institution has adequate facilities for sports, games (indoor, outdoor), gymnasium, yoga centre etc. and cultural activities

4.1.2.1 Describe the adequacy of facilities for sports, games and cultural activities which include specification about area/size, year of establishment and user rate within a maximum of 500 words

Facilities for Sports and Games

The College provides ample scope for students to engage in outdoor and indoor sports and games. The college has a 200m track stadium, Basket Ball Court, Volley Ball Court, Badminton Court and facilities for Judo, Wrestling, Soft ball and Athletics. The stadium is also the venue for public sports, games and tournaments as well as Inter-Collegiate Competitions. The faculty of the Department of Physical Education, consisting of an Associate Professor and an Assistant Professor, provides adequate coaching to the students. The College hosts Inter-Collegiate Competitions frequently. Residential facility is made available for sports students. Fitness Centre, Weight training Equipment, Judo mats (32 No.s), are made available for students and staff. The College has a Sports Council of Kerala recognized sports hostel. The College has produced International players in soft ball and is among the few institutions promoting the sport of soft ball.

Sports students are provided with food and accommodation. Student Aid fund is utilized to help participants meet the travel/occasional expenses. Annual Sports Meet is conducted during the month of February/March.

Facilities for cultural activities

The College helps nurture and develop the creative talents of the students. Cultural activities include College Arts Festival titled "Kalasarith", which helps the students showcase their talents. House wise competitions are held and trophies are awarded to the members of the top scoring house. The facilities for presenting cultural activities include an Auditorium, which has a seating capacity of 1000, audio visual facilities, properly maintained acoustics, balcony seating and stage equipped

with light and sound arrangements. There are also two Open Air Stages to hold street plays, flash mobs and gatherings for social awareness. Literary Club and Folklore Club make use of the Technology Enabled Learning Spaces. Financial Support is provided to students to participate in the University Level Cultural Competitions. College Magazine, "Vidyasarith" is prepared and released by the College Union every year. The magazine is made up of the literary and artistic creations of the students of the college.

<http://bishopmoorecollege.org/arts-performance-facilities/>

<http://bishopmoorecollege.org/9212-2/>

Attachments for the metrics

Upload any additional information

Paste link for additional information <http://bishopmoorecollege.org/9212-2/>

4.1.3 Percentage of classrooms and seminar halls with ICT-enabled facilities such as smart class, LMS, etc. (current year data)

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

17

Attachments for the metrics

Upload any additional information [Infrastructure Departments.xlsx](#)

Paste link for additional information

Upload Number of classrooms and seminar halls with ICT enabled facilities [4.1.3.xls](#)

Clarification

SAAC, KSHEC :: 15-09-2021

4.1.4 Average percentage of budget allocations, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during last five years (INR in lakhs)

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
4000000	4000000	775000	2950000	5000000

Attachments for the metrics

Upload any additional information [Budgets Link.docx](#)

Upload audited utilization statements [Accounts Link.docx](#)

Upload Details of budget allocation, excluding salary during the last five years [BUDGET.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

4.2.1.1 Library is automated using Integrated Library Management System (ILMS). Upload a description in not more than 500 words

The Library had automated its housekeeping activities using LibSoft software upto 2017 and later switched over to the universal and user-friendly open source automation software KOHA version 18.11 in 2017. Open Access Catalogue for students and staff is made available through KOHA Library Management Software to know the bibliographical details about the collection. The various housekeeping activities of the library such as data entry, issue and return and renewal of books, member logins etc are done through the software. Shelf index is properly maintained. Five

computers with internet connectivity and 2 printers are made available. Separate reading room is provided and Reprographic facility is arranged inside the library. Exclusive reference section is available in the library. Apart from the printed books the library is having access to e resources of N LIST which is a part of *eshodhsindhu* consortium of INFLIBNET, where the users are given awareness and made to access browse and download e books, e journals, databases etc. Question papers of all University examinations compiled and made available for reference. Book Binding Section is utilized to serve the purpose as well as to mend damaged books on a timely basis.

Special facilities are offered by the library to the visually/physically challenged persons. Seats are reserved for physically challenged students in the library. Special assistance is given for Online Public Access Catalogue and internet browsing. The library staff helps in the search, issue and return of books. Books required for visually/physically challenged students are issued to assistants.

The college library building with a total seating capacity of 80 is open from 8.30 am to 4.30 pm during working days and from 10.00 am to 4 pm during vacation and Saturdays. The library collection includes more than 52000 books, 24 journals, 23 magazines and newspapers. Facilities offered by the library include issue/return/ renewal of books, reprographic services, press clippings, reference services, UGC Inlibnet Online services and wifi facility.

Attachments for the metrics	
Paste link for Additional Information	http://bishopmoorecollege.org/library-3/
Upload any additional information	

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Attachments for the metrics	
Upload any additional information	Rare Books.docx
Paste link for additional information	

4.2.3 Does the institution have the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga membersip 4. e-books 5. Databases

4.2.3.1 Does the institution have the following:
e-journals~e-ShodhSindhu~e-books~Databases~

Attachments for the metrics	
Upload any additional information	
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc E Resources.xlsx	

Clarification
SAAC, KSHEC :: 15-09-2021

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

4.2.4.1 Annual expenditure of purchase of books and journals year wise during last five years (INR in Lakhs)

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
129000	165061	82464	80872	87783

Attachments for the metrics	
Any additional information	
Audited statements of accounts	Accounts Link.docx
Details of annual expenditure for purchase of books and journals during the last five years Library Books Accounts.xlsx	

Clarification

SAAC, KSHEC :: 15-09-2021

4.2.5 Availability of remote access to e-resources of the library

4.2.5.1 Availability of remote access to e-resources of the library

No

Attachments for the metrics

Any Additional Information

Details of remote access to e-resources of the library

Clarification

SAAC, KSHEC :: 15-09-2021

4.2.6 Percentage per day usage of library by teachers and students (current year data)

4.2.6.1 Number of teachers and students using library per day over last one year

93

Attachments for the metrics

Any additional information

Details of library usage by teachers and students [libraryvisit.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

4.3.1.1 Describe IT facilities including Wi-Fi with date and nature of updation within a maximum of 500 words

The college has a main Computer Centre with 18 Desktop Computers and 1 server, UPS facility, LAN, Internet Connectivity, Printer and Scanner and two computer centres attached to the departments. One is the Physics Computer and Networking Centre which is air conditioned with 25 Desktop computers and 1 server facilitated by LAN and two units of 5 KVA battery installed. The third Computer lab, shared by the Departments of Commerce and Mathematics, has 16 Desktop computers, LAN, 5 KVA battery and an LCD projector. A computer professional is in charge of the main Computer Centre.

The specification-wise details of the computers in the college are given below.

- Intel i7 CPU, 4 GB RAM (1 No.)
- Intel i3-4160, 4GB RAM (29 Nos.)
- Intel Pentium CPU G2030, 2 GB RAM (70 Nos.)
- Intel Pentium G3240, 2 GB RAM (16No.)
- 3.2 (Pentium) Dual Core E5800, 2 GB RAM (8 Nos.)
- Intel i3-2350 M, 2GB RAM (5 Nos.)
- Intel Pentium Dual Core, 1 GB RAM (3)
- Intel Xeon PU E3-1220V2S, 8 GB RAM (1 No.)

The teaching departments, library and Administrative Block have computers with internet/wi-fi facility. The main Computer centre with internet connectivity is made available for students and

faculty during college hours. The college library has five computers with internet connectivity. The ladies hostel of the college which is located outside the campus has two computers with internet connectivity available for resident students and staff.

The institution provides Laptop/notebook, LCD projector, and white board facilities for ICT enabled teaching. All Departments have projector enabled rooms.

Two rooms are equipped with Interactive Board with 75" and 65" active display respectively and a resolution of 3840*2160, windows - 4K, Android - 4k (new technology) with internet connectivity.

The Physics Research lab has two work station computers (Intel Xeon PU E3-1220V2S, 8 GB RAM) purchased under the DST FIST Scheme to facilitate high computational cost calculations. The Administrative Block, the Physics Research Centre, the Physics Computer Centre and Commerce Computer Lab are LAN enabled and supported by stand alone facility. Specialised software KOHA, Spectroscopic software IR solution, Math Lab, UV Probe, Gaussian 09, Gauss View, Chemcraft, ChemDraw etc are installed in various nodes. The software is updated as and when it is necessary. The upkeep and maintenance of the computers are taken care of under the annual Maintenance Contract. The Broadband bandwidth was upgraded from 40Mbps to 100 Mbps in September 2020.

Attachments for the metrics

Upload any additional information Computers.xlsx
--

Paste link for additional information http://bishopmoorecollege.org/computer-centre/

4.3.2 Student –Computer ratio (current year data)

4.3.2.1 Number of students : Number of Computers

13:1

Attachments for the metrics

Upload any additional information

Student –computer ratio Computers.xlsx
--

Clarification

SAAC, KSHEC :: 15-09-2021

4.3.3 Available bandwidth of internet connection in the Institution (Leased line)

4.3.3.1 Available bandwidth of internet connection in the Institution (Leased line)

27

Attachments for the metrics

Upload any additional Information

Details of available bandwidth of internet connection in the Institution bsnl.pdf

Clarification

SAAC, KSHEC :: 15-09-2021

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

4.3.4.1 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Yes

Attachments for the metrics
Upload any additional information
Links of photographs http://bishopmoorecollege.org/e-learning-rooms/
Facilities for e-content development such as Media Centre, Recording facility, LCS Lecture Capturing.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

4.4 Maintenance of Campus Infrastructure

4.4.1 Average expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years(INR in Lakhs)

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
2154032	1983351	2768938	671696	540561

Attachments for the metrics
Upload any additional information
Audited statements of accounts Accounts Link.docx
Details about assigned budget and expenditure on physical facilities and academic facilities Maintainence.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities -laboratory, library, sports complex, computers, classrooms etc.

4.4.2.1 Describe policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities on the website within a maximum of 1000 words

The Management, Governing Council, IQAC, Staff Council, Departments and various committees work together to cater to the needs of teaching and learning community. They are entrusted with the responsibility of ensuring that the college expands its physical infrastructure as per the demands of its academic growth. The college has a formal Infrastructure Committee with sub committees for Hostel, Canteen, Library, and Book Stall, which work out the additional requirements of various academic units, and ensures that adequate physical infrastructure is in place for all courses being run as well as for the new courses being introduced. The infrastructural requirements as well as upgrading of the existing facilities of each Department are discussed and listed in Department meetings. Judicious allocation of funds for various purposes is done by making use of funds from the UGC accounts, PD accounts and Management funds. These committees also serve in ensuring the optimal utilization of the available infrastructure by students as well as other stake holders. Interdisciplinary Research Committee ensures that the institution utilises maximum funds from various agencies like the UGC, DST, FIST, RUSA and KSCSTE. Proper utilization of sanctioned funds and maintenance of records are monitored by the committee. Optimal utilization as well as timely maintenance of major equipments by the respective companies/suppliers is also ensured. Extra expenses if any are met by the Management. HoDs and Senior Superintendent are authorized to ensure upkeep of equipments. Budget for development of infrastructure is allotted from Management funds as well as from various agencies like UGC, DST, KSCSTE etc. Feedback obtained from students is analysed by IQAC and is taken into account while proposals for infrastructure development are submitted before the Governing Council.

Project Execution Committees: DBT STAR Committee, KSCSTE SARD Committee and RUSA Committee

The government funds utilized during 2018-19 were the DBT STAR College fund for the development of Teaching Learning facilities for Undergraduate level teaching, DST FIST scheme for development of Research Departments and the KSCSTE SARD scheme for the setting up of the Centre for Advanced Functional Materials of the Department of Physics. Proper and timely utilization of the funds under these schemes are ensured by the respective project execution committees. RUSA scheme of Government of India was sanctioned during the academic year 2018-19 with the objective of enhancing the academic ambience of the institution. A funding of Rs. 2 crores was sanctioned under the scheme.

Library Advisory Committee : It consists of the Librarian, senior faculty members, student representatives and library staff as its members. The committee advises on purchase and acquisition of titles, journals, periodicals and ensures utilization of funds available under various schemes like UGC, P.D. account, Library fee, etc. It supervises the allocation and utilization of funds for various departments. Accordingly, the Principal/UGC Committee allots a specific amount from the Library Fee and UGC fund respectively to each Department in order to purchase books. The list of titles prepared by each Department is verified and sanctioned by the Library Committee.

<http://bishopmoorecollege.org/infrastructure-policy-2/>

Attachments for the metrics					
Upload any additional information					
Paste link for additional information					
5. Student Support and Progression					
5.1 Student Support					
5.1.1 Number of capability enhancement and development schemes					
5.1.1.1 Number of capability enhancement and development schemes					
7					
Attachments for the metrics					
Link to Institutional website					
Any additional information					
Details of capability enhancement and development schemes 5.1.1.1.xlsx					
Clarification					
SAAC, KSHEC :: 15-09-2021					
5.1.2 Average percentage of student benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years					
5.1.2.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years					
	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	275	205	123	292	247
Attachments for the metrics					
Any additional information					
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years 5.1.2.xlsx					

Clarification**SAAC, KSHEC :: 15-09-2021**

5.1.3 Average percentage of students benefitted by Vocational Education and training (VET) during the last five years

5.1.3.1 Number of students attending VET year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
115	60	200	275	155

Attachments for the metricsDetails of the students benefitted by VET [5.1.3.xlsx](#)

Any additional information

Clarification**SAAC, KSHEC :: 15-09-2021**

5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases(Yes/ No)

5.1.4.1 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Yes

Attachments for the metricsMinutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee [merged.pdf](#)

Upload any additional information

Details of student grievances including sexual harassment and ragging cases [grievances.xlsx](#)**Clarification****SAAC, KSHEC :: 15-09-2021**

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

5.2.1.1 Number of outgoing students placed year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
14	12	28	37	13

Attachments for the metricsSelf attested list of students placed [Placements.docx](#)

Upload any additional information

Details of student placement during the last five years [5.2.1.1.xlsx](#)**Clarification****SAAC, KSHEC :: 15-09-2021**

5.2.2 Percentage of student progression to higher education (previous graduating batch) (current year data)

5.2.2.1 Number of outgoing student progression to higher education

245

Attachments for the metrics	
Upload supporting data for student/alumni	Progression.docx
Any additional information	
Details of student progression to higher education	Progression.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) year wise during the last five year

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
nil	nil	nil	nil	nil

Attachments for the metrics	
e-copies of award letters and certificates	
Any additional information	
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five year 5.3.1.1.xlsx	

Clarification

SAAC, KSHEC :: 15-09-2021

5.3.2 Average number of sports and cultural activities/competitions organised at the institution level per year

5.3.2.1 Number of sports and cultural activities/competitions organised at the institution level year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
20	30	24	43	23

Attachments for the metrics	
Report of the event	Link to Report of Arts_Sports_Compelitons.docx
Upload any additional information	
Number of sports and cultural activities / competitions organized per year	Arts Sports Competitions.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters(registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

5.4.1.1 Describe contribution of alumni association to the institution within a maximum of 500 words

Ever since the first batch graduated from the college, the alumni has been a constant help and backbone of the college, and later generations of most of the alumni are a part and parcel of Bishop Moore College. Most of the PTA representatives of the college are our alumni.

The college has a very vibrant alumni association. It conducts annual general meetings and also meet at least once in a month. In addition, each department organizes their own alumni meets. The Golden Jubilee Economics Alumni Meet was held in the college Auditorium on 10 March 2018 in which around 600 alumni members (Economics) participated.

The alumni, as a body, meet regularly in different parts of the world also among which Alumni Association Kuwait (AAK) Chapter is very much vibrant.

The alumni association is one of the sources of revenue for the college. The financial support given by the alumni is appreciable. The association extends support for all the necessities and endeavors of the college. A few instances of the financial support offered by them during the last five years are stated below.

- An amount of Rs.3,00,000 as part of Golden Jubilee celebrations was provided for the construction of the main gate of the college.
- An amount of Rs.1,00,000 for the flood relief fund in 2019.
- An amount of Rs.4,25,000 for building houses for the needy
- They gave Rs. 20,000 to provide the students with mobile phones during Covid time to attend their online classes.
- An amount of Rs. 25,000 was contributed for tiling the B.Sc. physics final year classroom
- An amount of Rs. 10,000 was earmarked for purchasing stage curtains for college auditorium.
- A laptop was donated for a needy student by Alumni Kuwait Chapter.

Scholarships/Endowments instituted:

- ALUMNI UAE CHAPTER Cash Award To students securing highest marks in every subject in the final year University Examination (P.G & U.G.).
- An amount of Rs.20,000 was instituted as student scholarship, in memory of an alumnus, Sivan.

In addition to these, the college gets the expertise knowledge and support from various alumnus for organizing various activities like job fairs, construction work, motivational talks, orientation programs, training programs, seminars, workshops, etc. They also provide technical advice and remains as an option for expert advice in the field of arts and sports. They also give their opinions on different activities by various clubs. A few of the Alumni interaction with students are given below:

- Mr. N.S. Dev IRS, AC, Central Excise and Customs was the Chief Guest of Merit Day 2019
- Rubie M.Sam, research Scholar, Agro Paris Tech, France talked on "Mendeleev Software" in 2016
- Mr. Sony Thomas, personality development trainer, USA, took class on "How to Grow Self" in 2016

The college places on record with gratitude the support offered the Alumni association during NAAC accreditation in 2016.

The publication 'MA' – Moore Alumni, is a new initiative from the college alumni association. It provides a platform for students, alumni, teachers and former teachers to showcase their talents and to share the news and events of the association.

Attachments for the metrics	
Paste link for additional information	http://bishopmoorecollege.org/alumni-association/
Upload any additional information	Alumni.xlsx

5.4.2 Alumni contribution during the last five years (INR in Lakhs)

5.4.2.1 Alumni contribution during the last five years (INR in Lakhs)

4000000

Attachments for the metrics	
Upload any additional information	
Alumni association audited statements	5.4.2.1.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

Access to audited statement not provided

Response of the Clarification :: 04-09-2021

Kindly note that the answer to the metric 5.4.2.1 that we selected from the given options was "Above 5 lakhs". The statement of accounts is now provided

Attachments for Response

[Alumni Statement of Accounts](#)

5.4.3 Number of Alumni Association / Chapters meetings held during last five years

5.4.3.1 Number of Alumni Association / Chapters meetings held year wise during last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
1	7	8	3	4

Attachments for the metrics	
Report of the event	ALUMNI REPORT.docx
Upload any additional information	
Number of Alumni Association / Chapters meetings conducted during the last five years	Alumni meetings.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

6. Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

6.1.1.1 Describe the vision and mission statement of the institution on the nature of governance, perspective plans and participation of the teachers in the decision making bodies of the institution within a maximum of 500 words

Vision: To be a centre of excellence and a catalyst in facilitating holistic development of youth with international standards, edified with the sanctity of truth, equipped to serve, grounded on Christian ideals.

Mission: To nurture the enquiring mind to be liberated by truth, empowered by knowledge, committed to service and communal harmony, championing the cause of women and the marginalized and to create a sustainable environment.

The College has a democratic and participatory Management system which includes the Management Board, IQAC, the Staff Council, CLMC and DLMC.

The Bishop of CSI Madhya Kerala Diocese is the Manager of the college. **The Management Board** consisting of eleven members, including the Manager, Principal and Vice Principal is the apex body. The Management Board discusses and plans all the activities to be implemented in the institution. It prepares the budget to meet the financial requirements and draws upon plans to improve the quality of infrastructure and research facilities of the college. It designs policies for the successful functioning of the institution complying with the guidelines issued by the UGC, University and the Government of Kerala from time to time for the successful conduct of academic programmes. The Internal Quality Assurance Cell serves as think-tank and devises strategies and plans for the development of the institution. The strategies devised by the IQAC are submitted to the Management Board and the Staff Council for approval.

The proposals put forward by the Management Board are ratified by the Staff Council, consisting of the Principal, the Heads of the Departments and two elected members of the faculty. The Staff Council assesses the feasibility of the plans and projects and gives its approval. The implementation of the policies is ensured through the Bursar, who is the management representative in the college. The Staff Council recommends suggestions and ensures the implementation of the plans. The **CLMC** which consists of the Principal and the Heads of the Departments endorses the decisions of the Staff Council, which are then communicated to the faculty members by the Heads of the Department at Department level meetings (DLMC) and suggestions put forward by the members are communicated to the Staff Council by the Heads of the Departments. Regular Staff Meetings offer a democratic platform where every member of the college gets a chance to share his/her opinion and consensus is reached through deliberations and discussions. The college level activities are carried on by various committees constituted for the purpose with the teaching and non-teaching staff as the members.

Attachments for the metrics
Paste link for additional information http://bishopmoorecollege.org/college-calendar-and-handbook/
Upload any additional information BMC-Diary-2019-20-inner-low.pdf

6.1.2 The institution practices decentralization and participative management

6.1.2.1 Describe a case study showing decentralization and participative management in the institution in practice within a maximum of 500 words

Each Department in the college has an association which is headed by a student convener of the concerned department. This association is in charge of all the activities of the Department during the academic year. The association has as its members all the students and faculty of the Department. The activities of the entire year are charted by this association and the decisions taken by the students are endorsed at the department and college level. Association activities include conduct of seminars, competitions and discussion forums as part of student responses to socially relevant issues. The association provides a platform to the students to interact with scholars from various fields, to develop leadership qualities, to improve their interpersonal skills and to broaden their perspectives. The Departments and the college provide the resources for all the initiatives of the associations.

For example, the English Association as part of the various events for the year conducts Laurel Literaria, a vibrant and creative event conducted annually from 2000 onwards. The two day event is organized by the students of the Department with a programme committee comprising of the students and faculty members. The students play a significant role in the conduct of the programme which marks the culmination of the Department activities of the year. As part of Laurel Literaria an

inter-collegiate quiz is conducted with faculty members from the college or neighbouring colleges as Quiz Master. The various activities enable the students to develop and hone their skills.

Attachments for the metrics

Upload any additional information [Laurel Literaria.docx](#)

Paste link for additional information

<https://drive.google.com/file/d/1V9UhVp5MINZ4alc2tJSJDPzpefgAPo9v/view?usp=sharing>

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

6.2.1.1 Describe one activity successfully implemented based on the strategic plan within a maximum of 500 words

The financial aid from the UGC helped to strengthen the basic teaching and laboratory facilities in all Departments during the past years. However, it was insufficient in terms of the increased student strength in various subjects. So there was a greater demand for funds to support the teaching learning programme, to promote greater interest in students and to infuse scientific temper. In view of this, the IQAC placed a suggestion before the Staff Council to submit a proposal for the DBT STAR College Scheme of the Department of Biotechnology, Government of India. The Staff Council entrusted upon the Heads of the Science Departments to submit the requirements of their Departments and unanimously elected Dr. Dinesh Raj R. as the co-ordinator of the scheme. The joint proposal was submitted and sanction was accorded for the same in 2017 for Rs. 33 lakhs to strengthen undergraduate teaching learning in the science Departments.

The proposed programme is envisaged to create a scientific temper among all the stakeholders including teachers, non-teaching staff and more particularly, the students.

The specific objectives are

- to enhance bench skills of students by undertaking project work and participating summer training & industrial training programmes.
- to upgrade the competency of faculty by participating in various faculty improvement programmes/workshops/ seminars etc.
- to empower the non teaching staffs to keep in pace with the rapid changes of their respective fields.
- to equip the teachers, non teaching staffs and students to meet the challenges of a techno-savvy era by familiarizing IT enabled resources and methods.
- to enhance student interaction with eminent scientists
- to enhance the student's written and oral communication skills, including presentations and research report writing.
- to introduce students to possible career opportunities.

Qualitative improvements due to DBT support.

1. Improved Degree Results: Nine University ranks (first 3) were achieved during the assessment period. The pass percentage for UG improved from 44.6% in the pre DBT STAR period to 64.09% in 2019. The pass percentage of PG also improved from 64.8 in the pre DBT period to 77.6 in the assessment period.

2. Placement for Higher Education: Because of the increased pass percentage, better training

and more exposure of students by interacting with eminent scholars, more students are opting post-graduation for higher studies. More number of students (9 students) are admitted to state university centers, central universities, NITs, IITs etc. for Post-graduation than the pre DBT period.

3. **Quality of B.Sc. Project improved.** The Department of carried out two projects on the preparation of bioplastics. Two moisture analysers purchased by DBT grant is utilized to measure the moisture content of the prepared biofilm.

4. Conference presentations

Because of the improved exposure both UG and PG Students are presenting their dissertations in conferences. 25 PG and UG students have presented their dissertations at conferences. The increased interactions with eminent scientists and researchers encouraged our students to attend workshops or training programmes offered by reputed institutions. Twenty students have availed summer research fellowship in the above category.

Attachments for the metrics	
Paste link for additional information	http://bishopmoorecollege.org/dbt-star-college-scheme/
Strategic Plan and deployment documents on the website	Plan of Actions.pdf
Upload any additional information	

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

6.2.2.1 Describe the Organogram of the Institution within a maximum 500 words

The authority for decision-making regarding academics and administration is the Manager. The Bishop of CSI Madhya Kerala Diocese is the Manager of the college. The Management Board consisting of eleven members, including the Manager, Bursar, Principal and Vice Principal formulates the policies and strategies to be implemented for the governance of the institution. The Bursar helps the Principal in coordinating the College activities. The action plan is reviewed by the Staff Council with the active involvement of the IQAC. The proposals put forward by the Management Board are ratified by the Staff Council, consisting of the Principal, the Heads of the Departments and two elected members of the faculty. The Staff Council recommends suggestions and ensures the implementation of

the plans. The CLMC which consists of the Principal and the Heads of the Departments endorses the decisions of the Staff Council, which are then communicated to the faculty members by the Heads of the Department at Department level meetings (DLMC) and suggestions put forward by the members are communicated to the Staff Council by the Heads of the Departments. Regular Staff Meetings offer a platform where every member of the college gets a chance to share his/her opinion and consensus is reached through deliberations and discussions.

The other bodies apart from IQAC, Staff Council and CLMC that are specially dedicated for the functions assigned to them include Committees, Examinations Cell, the Grievances Redressal Cell, Research, Extension Activities and Administration. Principal of the College is the Chief Superintendent of University Examinations. An Assistant Chief Superintendent delivers the duties related to the conduct of Examinations in the College.

Various committees have been delegated for special functions which are Discipline Committee, Library Committee, Infrastructure ICT and Computer Centre Committee, Hostel Committee, Sports Committee, Bookstall and Canteen Committee, UGC Affairs Committee, Publicity Documentation and Website Committee, Admission Committee, Career Guidance and Placement Cell, Women Empowerment Committee, Anti-

Raging Cell, Counselling Cell, Students Affairs, DBT STAR Committee, ASAP Committee, STARS Committee, StEP Committee, Scholarship Committee, Arts Club, Student Aid Fund Committee, Continuuing Education Committee, Equal Opportunity Centre, Mentoring System, HR and Event Management, RUSA Committee, AICHE Committee, WWS and SSP Committee and Internal Examinations Cell. The Principal, Vice Principal and IQAC Co-ordinator are the Ex-Officio members of all the committees.

Four cells function under the Grievances Redressal Mechanism- the Students Grievances Redressal Cell, the Committee against Sexual Harassment, the Committee against Caste Discrimination and the Staff Grievances Redressal Cell. The Vice Principal monitors the activities of the cells.

A Staff member serves as the General Co-ordinator of the Extension Activities of the College. The ED Club, Bhoomithrasena, Literary Club, NSS, NCC, Women's Study Unit, Environmental Activities Club, Folklore Club, Debate Forum, Science Club, Sports Club, Nature Club, Planning Forum, Debate Club, Theatre Club, Health Club, Media Club and Human Rights Club are active in the college with separate convener for each club.

The Inter-Disciplinary Research activities are co-ordinated by a Senior Faculty (Research Guide). The Administrative

Section is headed by the
Senior/Junior Superintendant.

Attachments for the metrics

Upload any additional information

Paste link for additional information

Link to Organogram of the Institution webpage <http://bishopmoorecollege.org/organogram-of-the-college/>

6.2.3 Implementation of e-governance in areas of operation

6.2.3.1 Implementation of e-governance in areas of operation

4

Attachments for the metrics

Enterprise Resource Planning Document

Screen shots of user interfaces [EGovernance.docx](#)

Any additional information

Details of implementation of e-governance in areas of operation Planning and Development, Administration etc [E Governance.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

6.2.4.1 Describe one activity successfully implemented based on the Minutes of the meetings of various Bodies/ Cells and Committees within a maximum of 500 words

In the meeting of the IQAC held on 22 October 2015, it was decided to start a new initiative named STARS (Students and Alumni for a Responsible Society) aimed at zeroing in on the students who have the potential to make a positive change to the society, work on their emotional and intellectual faculties and thus facilitate their transformation into contributing citizens.

Objectives of the Initiative:

- To mould students into responsible citizens
- To promote active involvement of alumni in developing a culture to cater to the needs of the local society
- To encourage interaction between students and alumni
- To enhance the employability skills of the students

A core group of 40 students are selected as volunteer leaders of STARS, every year. They are groomed under reputed alumni and teachers. The immediate need of the society is identified from time to time and necessary interventions are made. For instance, during the floods which ravaged the state in August 2018, the STARS volunteers intervened in the situation of shortage of basic needs in relief camps, by distributing food, clothing and other essentials. A delegation visited the flood affected students to evaluate the extent of loss that occurred and identified 20 students who were severely affected by the flood. Cash compensations of Rs. 5000, Rs. 25,000, Rs. 50,000 were given according to the extent of damage. A flood proof house was constructed for a severely affected student residing in a flood prone area, made possible by contributions received from the alumni, parents and teachers.

As part of STARS, 10 best outgoing students are selected every year through a four level selection

process and three among them are adjudged as the “Stars of Moore”. The first level of selection is a preliminary written test for all outgoing students. The second level is a verification of the academic and co-curricular achievements of the students selected in the first level. Those selected at the second level are given training for interviews and group discussions. The third level is a personal interview conducted by a reputed panel which includes an academician, a psychologist and an eminent person from the corporate sector through which 10 best performing students are selected. The final round is an open stage performance. The three STARS of MOORE are selected after taking into consideration the cumulative score of the final three rounds. The awards to the best students are distributed by renowned persons in ‘PATHEYAM’, a programme dedicated to bid adieu to the outgoing students.

The STARS initiative has been one of the success stories of the College. It has helped in consolidating a culture that is in sync with the humanitarian values that the College espouses. STARS has helped the students achieve a happy union of the best of the heart and the mind. Besides this, more material and immediately visible contributions to the society such as the contributions made by STARS at the time of natural catastrophes too is significant.

Attachments for the metrics
Paste link for additional information http://bishopmoorecollege.org/stars/
Upload any additional information

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

6.3.1.1 Provide the list of existing welfare measures for teaching and non-teaching staff within a maximum of 500 words

Teaching is a strenuous job and managing the administrative side too takes its toll on the non teaching staff. An employee with a healthy body and a healthy mind is a prerequisite for a burgeoning work place. Recognizing this, the College has initiated StEP (Staff Enrichment Programme), an initiative designed to ameliorate the physical, emotional, mental and monetary well being of the employees and thereby harness their potential to the maximum.

Welfare measures for teaching and non-teaching

The College has a Staff Recreation Room, rich with indoor games like Carroms, Chess, Table Tennis and a small library. This is the place where the teachers and the non teaching staff unwind after a long day at work. Besides this, there is an indoor badminton court which is abuzz with activity after working hours. The College Staff is also encouraged to make use of the basket ball court in the College Hostel and also the College Cricket/Football ground.

Every year the College arranges for a Staff Recreation Tour to a place of verdant beauty. This has proved to a very successful detoxifying measure and an immensely successful team building activity.

The IQAC organizes one week induction training programmes for newly recruited Teaching and Non Teaching Staff since 2018. The training programmes have structured syllabi and schedules aimed at the outcome of grooming the new staff into the niceties of the job at hand. Three batches have undergone the training since 2018.

An yearly retreat is organised for the Teaching and Non Teaching Staff of the College for spiritual nurturing.

The College also has a functioning Cooperative Society that chips in with help when the chips are down in form of monetary exigency for the employees.

Hostel facility is made available for members of staff/ faculty whose residence is far from college.

Professional Development programmes for both teaching and non teaching staff are organised.

Faculty are motivated to attend faculty development programmes and the college and management provides support for the same. Under various schemes the teachers are provided financial support for attending professional development programmes.

College also organises felicitation programmes for the staff receiving awards and recognitions.

Attachments for the metrics	
Upload any additional information	staff.docx
Paste link for additional information	http://bishopmoorecollege.org/step-staff-enrichment-programme/

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
6	nil	nil	nil	nil

Attachments for the metrics	
Upload any additional information	
Details of teachers provided with financial support to attend	6.3.2.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
10	6	9	5	8

Attachments for the metrics	
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	Science Education Panel Report 1.pdf
Reports of Academic Staff College or similar centers	
Upload any additional information	Report of Professional Development Programmes.docx
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	Refresher Courses FDP Seminars Workshops.xlsx

Clarification

SAAC, KSHEC :: 15-09-2021

6.3.4 Average percentage of teachers attending professional development Programmes viz.,

Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the last five years

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
53	23	59	33	21

Attachments for the metrics

IQAC report summary [IQAC Report Summary.pdf](#)

Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)

Upload any additional information

Details of teachers attending professional development Programmes during the last five years

[Refresher FDP ShortTerm.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

6.3.5.1 Describe the functioning status of the Performance Appraisal System for teaching and non-teaching staff within a maximum of 500 words

Performance Appraisal by teaching staff is conducted annually. Members of faculty maintain a record of the Curricular, Co-curricular and Research activities undertaken by them which is approved by the respective Heads of the Departments.

Performance Appraisal is also conducted as and when a faculty/staff is due for promotion. The appraisal is conducted based on the UGC and Government norms.

- The faculty members who are due for promotion have to submit the completed PBAS form to IQAC. The completed application is scrutinized by the IQAC and appraised by a screening committee constituted by the University which includes external Subject Experts also. IQAC makes it a point to encourage all faculty members of the college to engage in academic activities which will benefit them for promotion.
- The IQAC provides training to members of non-teaching staff during their probation period. The training offered during this period is to familiarize them with basic office management, to improve their communication skills and to develop their interpersonal skills. They are encouraged to write Department Level tests for their promotion.

The Management conducts Academic Audit to assess the performance of the teaching and non-teaching Departments.

Attachments for the metrics

Paste link for additional information

Upload any additional information

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

6.4.1.1 Enumerate the various internal and external financial audits carried out during the last five years with the mechanism for settling audit objections within a maximum of 500 words

- Well established institutional mechanisms exist for the efficient and transparent management of financial resources.
- All internal resources raised by the institution are subjected to an annual external audit by

qualified auditors appointed by the Management.

- The audited accounts are presented in the Management Board meetings for its approval, and the accounts are sent to the CSI Trust Association for its approval.
- **UGC Accounts:** Audited annually by an authorized external auditor
- **Government Funds:** Audited annually by authorized Government auditors appointed by the DCE and the Accountant General's Office
- **PTA Funds:** Audited annually by a authorized external auditor and presented in its Executive committee and General Body for approval
- **Management Accounts** (Bishop Moore College Account, Sr. Rachel Joseph Hostel Account, College Book Stall Account): Audited internally by the Head Accountant and externally by an authorized auditor annually.
- The audit reports are discussed in the Management Board and appropriate actions are taken to settle the audit objections.

Attachments for the metrics

Upload any additional information

Paste link for additional information

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

6.4.2.1 TotalGrants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
	356120	385855	15000	15000	10000

Attachments for the metrics

Annual statements of accounts

Any additional information

Details of Funds / Grants received from non-government bodies during the last five years

[6.4.2.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

6.4.3.1 Describe the resource mobilisation policy and procedures of the Institution within a maximum of 500 words

- The requirements of the Departments are discussed and assessed in the Staff Council meetings.
- The IQAC advises the Staff Council regarding proposals for funding from various Government agencies for better academic prospects to achieve excellence.
- UGC funds, RUSA funds and funds from various bodies like DBT, DST, KSHEC, KSCSTE etc. are utilized for research and other academic programmes like Conferences/workshops/Seminars.
- The UGC funds are apportioned by the planning Board as per the needs of the Departments and the allocation for the respective departments under the UG and PG grants.
- Infrastructural Development is undertaken by the Management under the direct supervision of the Bursar and Principal.

Attachments for the metrics

Paste link for additional information

Upload any additional information

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

6.5.1.1 Describe two practices institutionalized as a result of IQAC initiatives within a maximum of 500 words

The IQAC designs the quality parameters and ensures that the standards of excellence reflected in the vision and mission of the College are met and continued. The IQAC prepares the AQAR, documents the required information for NAAC accreditation and takes the initiative to apply for the NIRF ranking. Academic audit conducted under the aegis of IQAC helps the Department(s) to improve their curricular and extracurricular activities.

From among the various quality initiatives of the IQAC, two practices that have been institutionalized are:

1. Induction Training programmes for newly recruited staff: The IQAC has established a norm of organising one week induction training programmes for newly recruited Teaching and Non Teaching Staff. The aim of the programme is to orient the probationary staff with values to help the institution achieve its aims and objectives, to impart basic knowledge about the present system of Collegiate education and the functioning of the College, to enhance people skills and technical competence in the academic arena, to introduce KSR and related matters and to impart quality consciousness in the academic spheres. The programmes have structured syllabi and schedules with the stated outcome of grooming the new staff into the niceties of the job at hand and to ensure the first and foremost commitment of the staff to the institution.

Three programmes of its kind have been organised since 2018:

Induction Training programme for Non-teaching Staff - 05 to 09 November 2018

Induction Training programme for Non-teaching Staff - 14 to 18 October 2019

Induction Training Programme for Teaching Staff - 08 to 12 June 2020

2. Feedback Mechanism: The College has a formal mechanism of obtaining feedback from students, parents and alumni to evaluate the efficacy of the programmes and services provided by the College. The system is developed and modified by the IQAC. The IQAC takes the lead in gathering feedback: from the students, regarding teacher performance and the curriculum from parents and alumni regarding quality related institutional processes and from faculty members and nonteaching staff. Feedback from parents is obtained through PTA meetings conducted both in the college level and in the department level. Through an open forum provided during these meetings, the parents are free to express their views about the college and about the programmes conducted in the college. Both criticisms and suggestions and noted down by the principal/HODs and measures to improve the same are taken. The feedback on curriculum is collected from students and stakeholders and these are communicated to the University through the Board of studies members during the syllabus revision.

Data collected is analysed and the suggestions/recommendations generated are forwarded to the Staff Council for further action. The institutional feedback garnered helps improve the infrastructural facilities of the college. The institutional feedback also helps in improving administration and governance. Teacher feedback helps the teachers to work on their short comings, if any.

Attachments for the metrics

Upload any additional information

Paste link for additional information

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

6.5.2.1 Describe any two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC within a maximum of 500 words each

The IQAC, the Staff Council, CLMC and DLMC continuously review the teaching learning processes of the college. The yearly academic audit conducted by the college and the academic audits conducted by Management also reviews the overall performance of the college including Department wise University results, achievements of students, activities organised and the outcomes reached etc. Apart from this participation in various accreditation and ranking processes helps the IQAC in obtaining a clear cut picture of the strengths and weaknesses in our teaching learning processes.

Based on the various review processes, timely reforms are implemented. Given below details of a few of such reforms.

Implementation of MOODLE Learning Management System:

The need for a learning management system to co-ordinate the teaching learning activities in an effective manner was identified in 2018. Following it the MOODLE Learning Management System was integrated with the college website in 2018. For effective use of the platform, two IQAC members were deputed to attend the Short term Course on Learning Management System and MOOCS organized by the UGC HRDC Thiruvananthapuram in March 2019. Following the training programme IQAC instructed all the teachers of the college to login to the MOODLE LMS of the college and to enroll students. IQAC provided timely guidelines and support in the process. The use of MOODLE among teachers and students has now become an integral part of teaching learning activities. Especially during the Lock Down period, the teachers could easily adapt to the online teaching learning processes, as the teachers and students had prior experience in handling the teaching learning processes online through MOODLE.

Online Question Paper Bank of Previous Year University Examinations: It was identified that if the students are given online access to previous years University question papers, it will be too much beneficial for them in the examination point of view. Especially slow learners can identify the questions which are more important as far as the examinations are concerned, by working out questions of the previous years. So IQAC instructed the Examination cell to collect the question papers from 2015 onwards of all the PG and UG courses of the college. With the whole-hearted cooperation of the Examination Cell, a portal was implemented on the college website, where the students can easily access these question papers. The IQAC monitors and makes sure that the portal is being updated regularly. The portal is benefitting not only the students and teachers of the college, but also the public.

Moore Initiative for Competitive Examinations Training: IQAC has identified that the percentage of students getting placement in the college is very less. One of the major reason for this is that majority of students in the college are from a rural background and so have less access to competitive examinations Orientation. So to tackle the problem, IQAC instructed the Career Guidance and Placement Cell of the college to initiate Training Programmes in Competitive Examinations for the students. In 2017, competitive examinations training programme started in the College and are benefitting the students.

Attachments for the metrics				
Paste link for additional information				
Upload any additional information				
6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year				
6.5.3.1 Number of quality initiatives by IQAC for promoting quality year wise for the last five years				
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
13	10	8	6	3
Attachments for the metrics				
Upload any additional information				
IQAC link http://bishopmoorecollege.org/internal-quality-assurance-cell/				
Number of quality initiatives by IQAC per year for promoting quality culture IQAC.xlsx				
Clarification				
SAAC, KSHEC :: 15-09-2021				
6.5.4 Quality assurance initiatives of the institution				
6.5.4.1 Quality assurance initiatives of the institution include				
Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements~Academic Administrative Audit (AAA) and initiation of follow up action~Participation in NIRF~				
Attachments for the metrics				
Paste web link of Annual reports of Institution http://bishopmoorecollege.org/annual-reports/				
Upload e-copies of the accreditations and certifications accreditationcertificates.docx				
Upload any additional information				
Upload details of Quality assurance initiatives of the institution IQAC.xlsx				
6.5.5 Incremental improvements made for the preceding five years(in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)				
6.5.5.1 Describe quality enhancement initiatives in the academic and administrative domains successfully implemented during the last five years within a maximum of 500 words each				
A number of quality enhancement initiatives, both in academic and administrative domains, were implemented by the college during the last five years. A few notable initiatives are listed below:				
<ul style="list-style-type: none"> • Internal Examinations were centralized, based on students' feedback • STARS OF MOORE, to identify the best outgoing student, since 2017 • MoU signed between the Department of Chemistry and Pushpagiri Research Centre (14 Feb 2019) • API scores of teachers verified and Screening Committee for promotion organized • SMS alert system introduced during March 2019 based on parents' feedback taken in the PTA General body • Training programme for newly appointed teaching and non-teaching staff • Took initiative to participate in NIRF rankings every year, since 2017 • Took initiative to submit proposals for RUSA Scheme and DBT STAR College Scheme • Took initiative to construct ramps and toilet facility for differently-abled. • Re-furbished the wash and toilet facilities for women, renovated the Women's Centre and placed new incinerators in the women's centre and ladies' hostel • Re-furbished the IQAC room. • Installed a Bio-gas plant in the Canteen. • Constructed a new computer lab for B.Com (Computer Applications) 				

- Constructed a computer lab cum networking centre in the Department of Physics with the aid of UGC-COC and DST-FIST
- Implemented MOODLE Learning Management System with website
- Implemented another Student Learning Management System on the website where the attendance reports could be monitored
- Previous years' University Question Papers made available online.
- Initiated Conduct of Faculty Development Programmes under the PMMNMTT scheme of Govt of India
- Initiated Orientation and Professional Development Programmes with Structured syllabus for newly appointed staff.
- Initiated activities under the Social Entrepreneurship, Swachhta and Rural Engagement Cell of the Mahatma Gandhi National Council for Rural Engagement, MoE, Govt of India towards Swachhta Education and Practice.
- Initiated activities under the Unnath Bharath Abhiyan of the Govt of India, where in the college adopted 5 villages.

Attachments for the metrics

Paste link for additional information

Upload any additional information

7. Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Alternate Energy initiatives such as: Percentage of annual power requirement of the Institution met by the renewable energy sources (current year data)

7.1.1.1 Annual power requirement met by renewable energy sources (in KWH)

214

Attachments for the metrics

Upload any additional information

Upload details of power requirement of the institution met by renewable energy sources

[Power Requirement.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

Data provided is not clear

Response of the Clarification :: 03-09-2021

The college has only four 15W solar lamps working which meets an average of 214 KWH per year. We have got sanction for the construction of a 50KW on-grid solar power plant which is to be constructed under the RUSA grant of Department of Higher Education, Government of India, which is expected to meet 100% of the power requirements of the institution.

Attachments for Response

[Template](#)

7.1.2 Percentage of annual power requirements met through LED bulbs (Current year data)

7.1.2.1 Annual power requirement met through LED bulbs(in KWH)

1200

7.1.2.2 Annual power requirement of the institution (in KWH)

32200

Attachments for the metrics

Upload any additional Information

Upload details of lighting power requirement met through LED bulbs
[1619674013-13_LED.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.3 Waste Management steps including: • Solid waste management • Liquid waste management
• E-waste management

7.1.3.1 Describe efforts towards waste management on campus within a maximum of 500 words each

The initiatives taken by the College towards **Waste Management** are listed below.

Solid waste management ([Link to Photos](#)):

- **Solid Waste Management Plant:** A solid waste management plant has been installed in the campus by the support of the Thazhakkara Village Panchayat.
- **Vermi compost and Biocompostplant :** The wastes produced on the campus like shredded paper, used teabags, food waste, vegetables, etc. were sorted and used for the production of bio compost.
- **Biogas plant in college ladies' hostel:** 50 % of the energy used for cooking purpose from biogas plant
- **Awareness:** Awareness campaign for first year students at the time of joining are given for effective waste disposal. Notice boards are displayed to make students aware of properly disposing the waste. Students are encouraged to bring lunch in tiffin boxes and discourage them for the usage of plastic wraps for packing lunch. Awareness classes are also led as part of NSS, Bhoomithrasena and NCC.
- **Waste pits:** Separate food waste disposal pits are made available and they are periodically cleaned.
- **Dust bins:** Dustbins are made available in campus and classrooms
- **Incinerator Facility:** Incinerator is provided in the women rest room for the effective disposal of sanitary napkins.

Liquid, Hazardous and E-waste Management :

- Hazardous wastes are not permitted to spread into the surrounding water and soil. They are safely disposed or buried deeply, according to the intensity of hazards
- Soak pits are built for discharging waste water from laboratories
- Hazardous chemicals like Ethidium Bromide are neutralised using decontaminating solutions before disposal.
- Lab assistants handling hazardous chemicals are trained to use them efficiently and to control spillage, if any.
- Computers, printers and other ICT equipments are purchased via buy back offers.
- Useful parts of damaged equipments are reused wherever possible.
- Pen drives are recommended in place of CDs for data storage.
- No major E-waste is generated. The very agencies/shops from which electronic goods are sourced are encouraged to take it back after its life is over.

The waste management as well as green-clean campus activities is monitored by the SAP (Swachhta Action Plan) Cell consisting of 10 faculty members and 50 students working as part of the Social Entrepreneurship, Swachhta and Rural Engagement Cell of the Mahatma Gandhi National

Council for Rural Education (MGNCRE), Ministry of Education, Govt. of India. The College has been recently awarded the One District-One Green Champion Award for its SAP activities, which was announced on 22 April 2021, during the Earth Day Celebrations of the MGNCRE.

Attachments for the metrics
Upload any additional information
Paste link for additional information http://bishopmoorecollege.org/waste-management/

7.1.4 Rain water harvesting structures and utilization in the campus

7.1.4.1 Describe efforts towards rain water harvesting on the campus within a maximum 500 words

[The rain water harvesting project](#) is one of the prestigious projects of Bishop Moore College, which not only prevents water scarcity in the campus but also provides a sense of water conservation and environment consciousness among students.

The College bagged the prestigious 'Palathully Award' by 'Malayala Manorama' in 2010, for the conservation of rain water for preventing the water scarcity of the Kallumala region.

As part of the rain water harvesting system of the college, soak pits are dug around the buildings to harvest rain water. Two rain water harvesting tanks are installed in the campus. The collected water is utilized for well recharging. Roof water harvesting is done from the Auditorium building from which water reaches the tanks from where they are used for various purposes. A fraction of collected water is used in chemistry laboratory.

The ground water recharging system ensures a steady level of water in the wells of the campus as well as those in the nearby locality.

The Water Harvesting System, Rain Pits and the green campus are good models through which we exhibit the message of environment education.

Attachments for the metrics
Paste link for additional information http://bishopmoorecollege.org/rain-water-harvesting/
Upload any additional information

7.1.5 Green Practices • Students, staff using a) Bicycles b) Public Transport c) Pedestrian friendly roads • Plastic-free campus • Paperless office • Green landscaping with trees and plants

7.1.5.1 Describe efforts towards green practices on the campus within a maximum of 500 words

The college campus is serene and picturesque with a beautiful garden, pond, trees and plants, and greenery around. There is a substantial green cover maintained in the campus with rare and endangered species of trees preserved. A full time gardener is appointed in the campus to take care of plants and trees. All measures are adopted to maintain the campus green, clean and eco-friendly. The College has been recently awarded the One District-One Green Champion Award by the MGNCRE, Ministry of Education, Govt of India. ([Link to Green Campus Pictures](#))

The NSS unit and Bhoomithrasena Club actively participates in afforestation and greening programmes in the campus and community. As part of sensitizing the students on environmental issues, various programmes are organized in the college as well out-reach programmes are conducted. The College has been awarded the best Bhoomithrasena Unit Award in 2017 and 2018 by the Directorate of Environment and Climate Change, Government of Kerala.

Green Practices in the Campus:

- 1. Use of steel, plates, cups and spoons:** Disposable plates and glasses are banned in the campus. All the Departments/Clubs/Associations make use of the steel vessels for providing

food during the conduct of seminars/conferences/Refresher courses. 100 steel plates and cups are available for this purpose with the Department of Physics, 100 plates, cups and spoons are available with the Bhommithrasena Club to serve the pupose

2. Plastic free campus: "Beat the Plastic" Plastic free campaign are organised by NSS and Bhoomithrasena volunteers. They clean the premises of campus once in a week and and collect plastic pens, refills, wrappers, carry bags, kits etc and compiles in the dust bin and used for recycling. In 2019 paper pens were made by National service scheme volunteers and were distributed among students to promote the massive movement for plaslic free campus. Paper bag trainings are regularly organised for students and Kudumbasree members.
3. 'Shanthisthal': a project in which a protected area is maintained to conserve the natural ecosystem in 2018. An Eco Garden and a Medicinal plant garden was also constructed in the College campus.
4. Use of bicycles and car pooling: Almost 5 % of the staffs and students are coming to college by bicycles About 70% of staffs and 85% of students are using public transport systems like trains and buses. Car pooling is a green practice existing in the college for staff coming from Kottayam, Kollam, Adoor, etc.
5. Pedestrian friendly roads: All the roads inside the campus are pedestrian friendly. Entry of vehicles inside the campus are prohibited
6. Environment Consciousness programmes are arranged in campus and in society.(details)
7. Green Practices in Research: Research work oriented towards promotion of green products and replacement of plastic materials is being carried out in the research centres of the college. Green synthesis methods are also promoted as far as possible in the synthesis procedures. Collected rain water is used as far as possible for the first level cleaning processes.
8. Paperless Office: Google Drive and Cloud used for storing documents.Emails,and SMS system used for communication among students and staff.

Attachments for the metrics

Upload any additional information

Paste link for additional information <http://bishopmoorecollege.org/green-initiatives/>

7.1.6 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years (INR in Lakhs)

7.1.6.1 Totalexpenditure on green initiatives and waste management excluding salary component year wise during the last five years (INR in Lakhs)

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
414686	337548	488925	577000	425522

Attachments for the metrics

Any additional information

Green audit report [Eco Audit Report-compressed.pdf](#)

Details of expenditure on green initiatives and waste management during the last five years [Green Initiatives Expenditure.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.7 Resources available in the institution

7.1.7.1 Resources available in the institution

Physical facilities~Ramp / Rails~Rest Rooms~Scribes for examination~Any other similar facility (Specify)~

Attachments for the metrics

- Upload any additional information [Physical Facilities.docx](#)
- Link to photos and videos of facilities for Divyangjan <http://bishopmoorecollege.org/differently-abled-friendly-campus/>
- Upload resources available in the institution for Divyangjan [Differently Abled Facilities.docx](#)

7.1.8 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

7.1.8.1 Number of Specific initiatives to address locational advantages and disadvantages year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
9	6	7	7	6

Attachments for the metrics

- Upload any additional information
- Number of Specific initiatives to address locational advantages and disadvantages [locational advantages disadvantages.docx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.9 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

7.1.9.1 Number of initiatives taken to engage with and contribute to local community during year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
20	16	13	12	13

Attachments for the metrics

- Upload any additional information
- Upload the report of the event [Link to Reports of Locational Community Activities.docx](#)
- Details of initiatives taken to engage with local community during the last five years [Template Locational Community.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.10 Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal / Officials and support staff

7.1.10.1 Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal / Officials and support staff

Yes

Attachments for the metrics

- Upload any additional Information
- URL to handbook on code of conduct for students and teachers, manuals and brochures on human values and professional ethics <http://bishopmoorecollege.org/college-calendar-and-handbook/>

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.11 Display of core values in the institution and on its website

7.1.11.1 Display of core values in the institution and on its website

Yes

Attachments for the metrics

Any additional Information

Provide URL of website that displays core values <http://bishopmoorecollege.org/institution-core-values/>

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.12 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

7.1.12.1 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional ob

Yes

Attachments for the metrics

Upload any additional Information

Details of activities organized to increase consciousness about national identities and symbols
[national integration.docx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.13 The institution offers a course on Human Values and professional ethics

7.1.13.1 The institution offers a course on Human Values and professional ethics

No

Attachments for the metrics

Upload any additional information

Provide link to Courses on Human Values and professional ethics on Institutional website

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.14 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

7.1.14.1 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Yes

Attachments for the metrics

Upload any additional information [Constitution.pdf](#)

Provide URL of supporting documents to prove institution functions as per professional code
https://drive.google.com/file/d/11P8Z1tCJG0XVSibuKIPRCxDm__d2MIY9/view?usp=drivesdk

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.15 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

7.1.15.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
17	10	13	10	17

Attachments for the metrics

Upload any additional information

List of activities conducted for promotion of universal value [Universal values.xlsx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

7.1.16 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

7.1.16.1 Describe efforts of the Institution in organizing national festivals and birth / death anniversaries of the great Indian personalities within a maximum of 500 words

Observations of Days of National Importance consists of a major sub domain among the activities of the National Service Scheme units and National Cadet Corps Units of the college. The national festivals and birth and death anniversaries of great Indian personalities are observed by conducting various activities such as talks, pledge taking, poster competitions, sremadhan, rally etc are also conducted under the auspices of the various Departments, Associations and Extension Clubs.

National Science Day Celebrations (SCI-ROSTRUM) are organized every year by Department of Physics in association with Science Club with the sponsorship of KSCSTE Thiruvananthapuram during the last week of February to celebrate the discovery of Raman effect by C. V. Raman. Science lectures, intercollegiate competitions, etc are organised as part of it.

Gandhi Jayanthi is observed every year by National Service Scheme. Cleaning programmes at the Mavelikara District Court premises, Railway Station, etc. are arranged as part of it.

National Mathematics Day was organized by the Department of Mathematics and Statistics on 22 December 2020 to honour the birth anniversary of mathematical genius Srinivasa Ramanujan. This year Dr. Dilip Kumar, Assistant Professor, Department of Mathematics, University of Kerala Kariyavattom campus was the resource person. Speech Competition for 10th, 11th and 12th standard students on the topic "Universe and Mathematics" was conducted. (<http://bishopmoorecollege.org/gallery/?album=8913>)

National Sports Day to honor the birthday of the hockey legend Dhyanchand was organised as part of National Sports Day celebrations. Inter Department Chess Competition was held on 29 August 2017 and the Chess Club was inaugurated on the same day by Principal Dr. Jacob Chandy on the same day. (<http://bishopmoorecollege.org/gallery/?album=4084>)

World Student's Day: 15 October being the birthday of Dr. A P J Abdul Kalam, is celebrated as World Students Day. As a mark of respect for him Department of Chemistry organized 'Ignited

Minds' 2016(inter Department Quiz Competition) on 14 October 2016 . The Department of Mathematics together with the Department of Physics celebrated the day with name AGNI 2018 on 15 October 2018. Video presentations explaining the contributions of Dr. A. P. J. Abdul kalam was organized for students from nearby schools. (<http://bishopmoorecollege.org/gallery/album=6282>)

Martyrdom of LansNayak Sam Abraham, was commemorated on the Republic Day of 2020, who was killed in militant attack in Kashmir. NSS volunteers visited his memorial and offered floral showers. They also visited his widow and child at their home and handed over the painting of the Dheerajawan prepared by the volunteers. (<http://bishopmoorecollege.org/gallery/?album=3012>)

Independence and Republic Day celebrations are organized jointly by the NSS and NCC every year.

7.1.17 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

7.1.17.1 Describe efforts of the Institution towards maintenance of complete transparency in its financial, academic, administrative and auxiliary functions within a maximum of 500 words

Ensuring Transparency in Financial Functions:

- Well established institutional mechanisms exist for the efficient and transparent management of financial resources.
- All internal resources raised by the institution are subjected to an annual external audit by qualified auditors appointed by the Management.
- The audited accounts are presented in the Management Board meetings for its approval, and the accounts are sent to the CSI Trust Association for its approval.
- **UGC Accounts:** Audited annually by an authorized external auditor
- **Government Funds:** Audited annually by authorized Government auditors appointed by the DCE and the Accountant General's Office
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- **Management Accounts** (Bishop Moore College Account, Sr. Rachel Joseph Hostel Account, College Book Stall Account): Audited internally by the Head Accountant and externally by an authorized auditor annually.
- The audit reports are discussed in the Management Board and appropriate actions are taken to settle the audit objections.

Ensuring Transparency in Academic Functions:

- All the decisions related to the academic functions are taken in the Staff Council, consisting of the Heads of the Departments and the elected members, with Principal as its chairman.
- The matters related to curriculum are discussed in the Department level Monitoring Committee (DLMC) formed by the Head of the Department and the Faculty Advisors. The suggestions and recommendations in the DLMC which requires approval from the College are presented by the Heads of the Departments in the College Level Monitoring Committee
- Separate grievances redressal cells function to address the issues related to examinations, Internal marks. sexual harassment/ragging etc

7.2 Best Practices

7.2.1 Describe at least two institutional best practices

7.2.1.1 Describe two best practices successfully implemented by the institution

1. STARS (Students and Alumni for a Responsible Society) Social outreach should be the bedrock of an academic institution's core values. To put this philosophy into practice, the

IQAC of the College has instituted a student's collective that relentlessly works towards social emancipation. A core group of 40 students are groomed under reputed alumni and teachers who make meaningful social interventions.

For instance, during the floods which ravaged the state in August 2018 shortage of basic needs in relief camps was bridged by distributing food, clothing and other essentials. 20 students who were severely affected by the flood were provided compensations of Rs. 5000, Rs. 25,000, Rs. 50,000 according to the extent of damage. A flood proof house was constructed for a student residing in a flood prone area.

Moreover, 10 best outgoing students are selected through a four-level selection process and three are adjudged as the "Stars of Moore". The first level of selection is a written test. The second level is a verification of the academic and cocurricular achievements of those selected in the first level. Those selected at the second level are groomed for interviews and group discussions. The third level is a personal interview conducted by a reputed panel through which 10 students are selected for the grand finale which is an open stage performance round. The cumulative score of the final three rounds decides the three STARS of MOORE who are facilitated by eminent people in 'PATHEYAM', a grand public programme.

2. StEP (STAFF ENRICHMENT PROGRAMME) Employee satisfaction and productivity are inextricably linked to each other. That is why plethora of activities are designed to achieve this goal. Retreats are conducted by IQAC with the support of the College Management for the intellectual and spiritual orientation of the teachers. The teachers are encouraged by the IQAC to undertake research projects, attend and make presentations in conferences, publish books and articles, take up Research Guideship and take up assignments outside the College for the larger social good. The result of such practices is visible in the long list of achievements that the faculty of the College has been able to notch up every year.

The College has a Staff Recreation Room, rich with indoor games like Caroms, Chess, Table Tennis and a small library. Besides this, there is an indoor badminton court which is a buzz with activity after working hours. The College Staff is also encouraged to make use of the basketball court in the College Hostel and also the College Cricket/Football ground. Every year the College arranges for a Staff Recreation Tour to a place of verdant beauty. This has proved to a very successful detoxifying measure and an immensely successful team building activity. The College has conducted one-week induction training programmes for the newly recruited Teaching and Non-Teaching Staff. They were groomed into the niceties of the job at hand. The College also has a functioning Cooperative Society that chips in with help when the chips are down in form of monetary exigency for the employees.

Attachments for the metrics	
Link for any additional information	http://bishopmoorecollege.org/best-practices/
Upload any additional information	
7.3 Institutional Distinctiveness	
7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority	

and thrust

7.3.1.1 Describe the institutional performance in one area distinctive to its vision, priority and thrust within a maximum of 1000 words

The College has a long history of charting a course that would ensure that its vision to be a centre of excellence and to be a catalyst in facilitating a holistic development of youth with international standards, edified with the sanctity of truth, equipped to serve, grounded on Christian ideals, is always achieved and bettered. The College ensures the holistic development of the students in the academic, cocurricular and extra-curricular aspects, as well as in grooming them to be responsible citizens with social commitment, keeping up ethical standards based on Christian ideals.

The IQAC of the College, in sync with the various Departments, Clubs and Committees has institutionalised several activities that would **transform the students into responsible and contributing global citizens.**

The students are inspired to take up leadership roles in projects like zero plastic campus and nature conservation activities of a similar kind through the BhoomitrasenaSena Scheme, Nature Club and the National Service Scheme, all of which is monitored by the IQAC of the College.

The students are given career orientation programmes and trained in Skill Development through initiatives like the Additional Skill Development Programme (ASAP).

The College realises that excellence can be achieved only when women, who form the bulk of the students of the College, are empowered. The IQAC of the College through the Women's Cell and the Women's Study Unit of the college conduct myriad activities throughout the year to achieve this purpose.

International and National Conferences, workshops, seminars and lectures are organised regularly to impart the latest developments in academic and research fields. Graduate and Post Graduate students are given opportunities to carry out Summer Research projects at reputed institutions like the Indian Institute of Science (IISc), Bangalore, Indian Science Academies, Indian Institute of Space Science and Technology (IIST) and the IITs.

Along with the intelligence quotient and emotional quotient, spiritual quotient is equally important. Each day therefore, starts with a morning prayer and a chapel service is conducted on every Wednesday, during which the College Chaplain teaches on the Christian ideals

Attachments for the metrics

Upload any additional information

Link for additional information <http://bishopmoorecollege.org/institutional-distinctiveness/>

8. Social Inclusiveness

8.1 Social Diversity

8.1.1 Scholarships, endowments and freeships

8.1.1.1 Total number of students getting scholarships, freeships etc. under government schemes during the last five years.

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
842	928	1048	1007	867

8.1.1.2 Total number of students benefited by scholarships, freeships, etc (year wise) provided by the institution besides government schemes during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
38	38	38	34	19

8.1.1.3 Total number of students availing Kerala State Higher Education Scholarships during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
6	5	4	5	4

8.1.1.4 Total amount waived or shared as fee and other expenses of students by the institution during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
20350	52500	135000	135000	135000

Attachments for the metrics

Any other information [Endowments List.pdf](#)

Clarification

SAAC, KSHEC :: 15-09-2021

8.1.2 Percentage of students in socially backward classes enjoying scholarships, endowments and freeships (year wise)

8.1.2.1 Number of students in socially backward classes (SC, ST, OBC) enjoying scholarships, endowments and freeships during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
667	698	739	726	652

8.1.2.2 Number of students in economically backward classes enjoying scholarships, endowments and freeships during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
138	228	306	276	212

Attachments for the metrics

Any other information [CategorywiseStatistics.docx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

8.1.3 Programmes organized by institution for the empowerment of socially and economically backward sections

8.1.3.1 Initiatives / programmes conducted for empowerment of socially and economically backward students in the institution over the last five years.

Student Aid Fund (SAF)

SAF is collected through the voluntary contributions from teachers to provide free lunch, study materials, medical help, financial help for study tours and other need-based assistance to the students who hail from economically poor background and whose financial resources are limited. The awareness that some students were skipping their meals due to paucity of resources led the members of the faculty to come up with the idea of the Student Aid Fund. Individual contributions are received from teachers or deducted from their salary every month, as per their request, and this amount is distributed according to the need of the students. Needy students are identified by their mentors and their names are handed over to the teacher in charge of the SAF and those teacher then hands over to the concerned student, the food coupons, money or study materials, as the case may be. No public mention is made of the same so as to maintain the anonymity of the student.

Flood relief

The catastrophic floods that ravaged Kerala in the year 2018 had affected the students of this institution also. Twenty-seven students were identified to be severely affected by the disaster and after evaluating the extent of loss that occurred to each of them, financial assistance of Rs. 50000 each was provided to two among them, Rs. 25000 each for five students and Rs. 5000 each to the remaining 20 students. As part of College Flood Relief activities, the foundation stone for a Student House Project was laid on 5 April 2018. Ninety-five percentage of the house project has been completed till date, through donations from students, teachers and well-wishers.

Financial help during the pandemic

Regular College education was the biggest casualty because of the Covid 19 Pandemic. Teaching shifted to the online mode after the national lockdown. However, several students were not able to afford the electronic devices necessary to participate in the online transaction of knowledge. The College stepped in to ease their worries by providing financial support to many students to purchase mobile phones and setting up the necessary infrastructure for enabling them to carry on with their studies.

8.1.3.2 Steps taken to increase the proportion of socially and economically backward categories in academic and non academic staff in the institution

The Recruitment of the Teaching Staff is strictly in compliance with the UGC, State Government Regulations and University Statutes. The non-teaching staff recruitment follows the University Statutes and Government norms. Being a minority institution the reservation policies for backward community are not applicable in recruitment of the staff.

Attachments for the metrics

Any other information

8.1.4 Regional Diversity

8.1.4.1 Number of students from outside the district during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
112	108	90	86	94

8.1.4.2 Number of students from outside the state during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
Nil	Nil	Nil	Nil	Nil

8.1.4.3 Number of students from other countries during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
Nil	Nil	Nil	Nil	Nil

8.1.4.4 Number of students from Rural area during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
1429	1392	1392	1394	1396

8.1.4.5 Number of students from Urban area during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
27	25	25	23	21

Attachments for the metrics

Any other information [CategorywiseStatistics.docx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

8.2 Minority – Non Minority Representation

8.2.1 Percentage of Minority and Non Minority students admitted to the institution over last five years

8.2.1.1 Number of Minority students admitted to the institution over the last five years					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
130	135	185	189	132	
8.2.1.2 Number of Non Minority students admitted to the institution over the last five years					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
356	389	333	324	386	
Attachments for the metrics					
Any other information LINK TO REGISTER OF STUDENTS.docx					
<p>Clarification</p> <p>SAAC, KSHEC :: 15-09-2021 Proof provided not accessible</p> <p>Response of the Clarification :: 03-09-2021</p> <p>The file is password protected as the details of students are to be secured from public access.</p> <p>Attachments for Response</p>					
8.2.2 Percentage of Minority and Non Minority staff admitted to the institution over last five years					
8.2.2.1 Number of Minority academic staff recruited to the institution over the last five years.					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
5	4	7	Nil	2	
8.2.2.2 Number of Non Minority academic staff recruited to the institution over the last five years.					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
Nil	1	2	Nil	1	
8.2.2.3 Number of Minority non-teaching staff recruited in the institution over the last five years					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
Nil	11	7	Nil	Nil	
8.2.2.4 Number of Non Minority non-teaching staff recruited in the institution over the last five years.					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
Nil	Nil	Nil	Nil	Nil	
Attachments for the metrics					
Any other information 8.2.2. Staff Details.xlsx					
<p>Clarification</p> <p>SAAC, KSHEC :: 15-09-2021</p>					
8.3 Gender Distribution					
8.3.1 Percentage of Women and Transgenders					
8.3.1.1 Number of women students admitted in the institution over the last five years.					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
345	335	342	336	339	
8.3.1.2 Number of transgender students admitted in the institution over the last five years					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
Nil	Nil	Nil	Nil	Nil	
8.3.1.3 Number of women faculty recruited in the institution over the last five years					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	
4	2	6	Nil	1	
8.3.1.4 Number of transgender faculty recruited in the institution over the last five years					
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	

Nil	Nil	Nil	Nil	Nil
8.3.1.5 Number of women members in senior administrative positions such as Head of Departments, Deans, Chairpersons of BoS or Heads of Institutions over the last five years				
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
6	5	4	4	5
8.3.1.6 Number of transgender members in senior administrative positions such as Head of Departments, Deans, Chairpersons of BoS or Heads of Institutions over the last five years				
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
Nil	Nil	Nil	Nil	Nil
Attachments for the metrics				
Any other information CategorywiseStatistics.docx				
<p>Clarification</p> <p>SAAC, KSHEC :: 15-09-2021 Provide proof for the data given</p> <p>Response of the Clarification :: 03-09-2021</p> <p>The details for metrics 8.3.1.3 and 8.3.1.6 is now provided.</p> <p>Attachments for Response</p> <p>Details for metrics 8.3.1.3 and 8.3.1.6</p>				
8.4 Representation of Differently abled/PwD				
8.4.1 Facilities for the Differently abled				
8.4.1.1 Number of differently abled students on rolls in the current academic year				
19				
8.4.1.2 Facilities available for meeting the special needs of the differently abled . 1. Physical facilities 2. Lift 3. Ramp/Rails 4. Braille Software 5. Rest rooms 6. Scribes for examination 7. Special skill development 8. Any other				
105				
Attachments for the metrics				
Any additional Information				
Institutional data in prescribed format PWD.xlsx				
<p>Clarification</p> <p>SAAC, KSHEC :: 15-09-2021</p>				
8.5 First Generation Learners(FGL)				
8.5.1 Problems of First Generation Learners				
8.5.1.1 Number of First Generation Learners over the last five years				
2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
468	454	470	455	498
8.5.1.2 Measures taken by the institution for attracting First Generation learners				
<p>The College was set up in a rural area by the CMS missionaries in 1964 with a vision of engendering a center of excellence. Elevating the educational background of the local community and thus making a positive difference in their lives was a more specific objective uppermost in the priority list.</p> <p>As soon as students join the College, those coming from educationally backward families are identified within a short time through mentor-mentee interactions. Based on their learning level and social condition, suitable academic as well as financial support for them is decided by the mentor</p>				

and their names are recommended for Institutional scholarships, special programmes like WWS, SSP, ASAP, peer teaching, etc. Career Guidance as well as personal guidance is also provided to enhance their level of confidence. Fee concessions are made available to them and other Government grants are recommended. If students are from remote areas, hostel facility is provided to them free of cost.

The feedback received for these community-based activities of the college is very positive and the same suggests that these incentives have motivated the parents coming from educationally backward community to send their children for higher studies to this institution.

8.5.1.3 Support systems provided by the institution for First Generation Learners: 1. Remedial coaching 2. Timely disbursement of grants 3. Hostel facilities 4. Transportation facilities 5. Book banks 6. Library

109

Attachments for the metrics

Any additional Information

8.6 Gender Sensitization Programmes / Campaigns

8.6.1 Gender empowerment programmes

8.6.1.1 Number of gender sensitization (awareness) and empowerment (action oriented) programmes organized by the institution year wise during the last five years.

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
6	3	10	3	8

Attachments for the metrics

Any additional Information [WOMEN EMPOWERMENT ACTIVITIES.docx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

8.6.2 Gender empowerment measures

8.6.2.1 Describe gender sensitivity facilities provided by the institution in areas like a) Safety and Security b) Counselling c) Common Room and other amenities

The college ensures the safety of the girl students during the entire stretch of their stay in the campus. There is a Discipline Committee entrusted with the charge of taking rounds in the college everyday with the specific objective of looking into the safety and security of the girl students. There are surveillance cameras installed in the campus by means of which all activities within the precincts of the college are directly monitored by the Principal. The college has a Women's hostel with a full-time warden.

The Women's Centre of the college has a Counselling chamber attached to it where the students can avail the services of a part-time Counsellor who visits the center once a week. The Counsellor provides guidance and necessary psychological as well as emotional support which has proved to immensely beneficial to the students. In addition to the professional Counsellor, the respective class wardens also regularly interact with them to ensure the mental and emotional well-being of the students.

The college boasts of a well-equipped Women's Centre with facilities like first aid, a sick room, a water purifier, a counselling chamber and a staff member to cater to the needs of the girl students of the college. Sanitary napkins are provided to the students at a nominal price and an incinerator for the disposal of used ones is also installed. A tailoring unit and a binding unit also form part of the Women's Centre of the college. The washroom of the college is maintained in a hygienic manner

and water is made available round the clock.

8.6.2.2 Mechanism for resolving gender related issues

The college is aware of the scale of challenge it is faced with while educating young people in a co-educational institution. Gender equity is one aspect to which the college is unequivocally committed. Hence the college has myriad committees constituted exclusively to look into gender specific issues. There is a Women Empowerment Committee (formerly known as the Women's Cell) with members from both teaching and non-teaching staff, which devises measures to equip the students who are poised to enter the workforce. The Women's Study Unit, constituted as a part of the extension activity of the college, plays an active role in ensuring economic independence and self-reliance of the girl students. The Committee Against Sexual Harassment, which includes members of the Staff Grievances Redressal Cell and the Students' Grievances Redressal Cell, functions as a watchdog against any offensive approaches or actions that might impinge on the integrity and self-respect of the girl students in the campus. The Students' Grievances Redressal Cell considers and takes actions on the complaints related to the curricular and extracurricular issues of all the students in general and girl students in particular. The Anti-ragging Cell of the college keeps a stern watch and takes stringent action in case of any instances of complaints related to ragging. In addition to availing the services of a professional Counsellor, the college has a Counselling Cell aimed at bolstering the students' welfare and promoting their interests.

8.6.2.3 Describe gender empowerment (action oriented) measures carried out in your institution over last five years

Education changes lives and empowers women in multiple ways. The effect of changes in education on women is real and fundamental. A well-formed mind will enable them to face the various challenges thrown up in life and overcome the hurdles confidently. Gender has always been an obvious reason for the denial of education. The college aspires at bridging the gender gap and bringing in equity by encouraging students to not only gain university education, but also to develop their employability skills. '**Ideal Campus through the Empowerment of Women**' is the idea that motivates the college community in its march towards excellence.

The **Women's Cell** and **Women's Study Unit** of the college are actively engaged in activities aimed at enhancing the skills and **improving the employability** of the students. Inspired by the motto "**To Equip and to Ennoble**", the college provides opportunities to the students to showcase their talents and to take part in training sessions thereby enabling them to advance their future prospects. Financial independence is the gateway to empowerment. Being located in a rural area, the college is aware of the scale of challenge it is faced with in empowering the students, majority of those who hail from fragile socio-economic echelons. As a part of employment generation at the individual level, students are regularly given **hands-on training on tailoring, binding, handicrafts, detergent-making and other related aspects of cottage industry**, for a beginning. Students are **encouraged to register with the Public Service Commission** and PSC question papers are also discussed by the members of the Women's Study Unit. As an initiative of equipping the students to face physical threats, selected students were given **Self Defense training sessions** under the aegis of the Women's Cell and the women's wing of Kerala police in 2018 and the Junior Chamber International (JCI), Mavelikara in 2020 respectively. **Anti-drug campaigns** in the form of lectures and plays conducted on the college campus served to create awareness about the various social and psychological consequences of drug abuse which proved particularly enabling for girl students as women are the primary victims of such anti-social behavior in society. In addition, the students are given opportunities to **meet and interact with eminent personalities from various fields like medicine, law, social work and politics** which **enhance their understanding and attribute to the overall development of the individual**.

8.6.2.4 Feedback from students and staff on the gender sensitization/empowerment programmes

Women's Cell and Women's Study Unit function very actively in the campus and plans women

empowerment activities in the college as well as community. The feedback related to gender sensitisation programmes are collected through both formal and informal mechanisms.

The college has a formal mechanism to obtain feedback on the efficacy of the services and programmes offered by the College. From 2017 onwards, feedback is collected online from the students at the end of even semesters. The feedback form asks the students to assess the College on myriad aspects including Infrastructure, Teaching Quality, Extension Activities, Gender Sensitization Programme, Environmental friendliness, etc.

As per the feedback collected from students in 2018-19, 40% of the students have rated the gender sensitisation programmes in the college as Very Good and 48% of the students have given a rating Good. Only 2% of the students commented the measures in the college towards women empowerment as below average.

The feedback analysis on this regard for the academic year 2019-20 shows that 99% of the students rate the women empowerment activities in the college to be above average.

Feedback from staff and students are also collected through informal mechanisms. The feedbacks received are given due importance and are incorporated in the further action plan of the activities.

Attachments for the metrics	
Any additional Information	
9. Equity and Excellence	
9.1 Qualifications and salary of teaching/ non-teaching staff	
9.1.1 Qualifications of teaching and non teaching staff	
9.1.1.1 Total number of academic staff with UGC / AICTE qualifications	
63	
9.1.1.2 Total number of non teaching staff with government specified qualifications	
33	
Attachments for the metrics	
Any additional Information teachers.xlsx	
Clarification	
SAAC, KSHEC :: 15-09-2021	
9.1.2 Salary of teaching and non teaching staff	
9.1.2.1 Total number of academic staff receiving UGC/AICTE pay and allowances	
58	
9.1.2.2 Total number of non-teaching staff on state pay and allowances	
20 (10 pending)	
Attachments for the metrics	
Any additional Information	
Clarification	
SAAC, KSHEC :: 15-09-2021	
9.2 Adversity Factors and Achievement Gap	
9.2.1 Adversity Factors (Institutional)	
9.2.1.1 Location: Rural / Urban	

113
9.2.1.2 Name of the local body in which institution is situated
Thazhakkara Gramapanchayat
9.2.1.3 Location: backward / aspirational district
117
9.2.1.4 Was the institution affected by any natural calamity over the last five years
No
9.2.1.5 Whether the institution is situated in natural calamity prone area (coastal /hilly/other)
No
9.2.1.6 Is the institution easily accessible by public transport system?
Yes

Attachments for the metrics

Any additional Information

9.2.2 Achievement Gap
9.2.2.1 Grades (CGPA/CCPA) achieved by different categories of students(Gen/SC/ST/OBC) in the final semester/annual examination in UG/PG Programmes over the last five years

The intake of students in the UG/ PG courses is as per the norms of the University of Kerala. The pass percentage and grades of the General category of students and OBC category are more or less at par with each other, while the pass percentage of SC/ST category is comparatively low. In this regard, special attention is given to the economically and socially backward students and that accounts for the improvement in academic grades and pass percentage in the subsequent semesters and the same is also gets reflected in the final results of the SC/ST category. In the case of the PG students, there is not much of a variation in pass percentage and grades across different categories of students.

Detailed numbers for the academic year 2019-2020 is given below:

Number of Students Appeared for the Exam					Number of Students Passed				
UG	Total	SC	ST	OBC	General	Total	SC	ST	OBC
BA	143	30	0	53	60	55	4	0	24
BSc	190	26	1	65	98	126	8	1	49
Bcom	96	17	0	44	35	63	6	0	18
Total	429	73	1	162	193	244	18	1	91
PERCENTAGE					56.88	24.66	100.00	56.17	69.43

Number of Students Appeared for the Exam					Number of Students Passed				
PG	Total	SC	ST	OBC	General	Total	SC	ST	OBC
	17	3	0	4	10	17	2	0	4
	38	7	0	9	22	20	2	0	9
Total	55	10	0	13	32	37	4	0	13
PERCENTAGE					67.27	40.00	0.00	100.00	62.50

9.2.2.2 Programme selection of different categories of students in UG/PG programmes
The college is affiliated to the University of Kerala. The allocation of seats to the different categories of students in the UG and PG courses are fixed as per university norms. 15% of the sanctioned

seats are reserved for SC and 5% for ST. There are no reserved seats for OBC. SC/ST/OBC candidates are admitted in General Merit seats if they come in merit. ST vacant seats are converted into SC. SC vacant seats are converted into SEBC. Seats reserved for SC/ST are filled during the admissions. Details of the 2019 admissions are given below:

2019-20	Number of seats earmarked for reserved category as per GOI or State Government rule								Total sanctioned	Number of students admitted from the reserved category								Total Admitted
	ST	OBC	Others					SC		ST	OBC	Gen	Others					
			Community	Management		PWD	Community						Management	Sports	PWD			
UG																		
B.A. Malayalam	6	2	0	20	4	8	2	1	43	12	0	16	0	4	8	3	0	43
B.A. English	6	2	0	20	4	8	3	2	45	10	0	15	3	4	8	3	2	45
B.A. Economics	8	2	0	25	5	10	0	1	51	12	0	22	1	5	10	0	0	50
B.Com (Fin)	7	3	0	25	5	10	2	0	52	10	0	11	14	5	10	3	0	53
B.Com (CA)	6	2	0	20	4	8	3	0	43	7	0	10	11	4	8	1	0	41
B.Sc. Mathematics	7	2	0	24	5	10	0	0	48	5	0	13	11	0	7	0	0	36
B.Sc. Physics	6	2	0	19	4	7	0	0	38	4	0	15	6	4	7	0	0	36
B.Sc. Chemistry	6	2	0	19	3	8	1	0	39	5	0	17	2	3	8	0	0	35
B.Sc. Botany	6	2	0	19	4	7	1	0	39	7	0	18	2	4	7	0	0	38
B.Sc. Botany and Biotechnology	4	1	0	15	3	6	0	0	29	4	0	12	2	3	6	0	0	27
B.Sc. Zoology	5	2	0	19	5	8	0	0	39	5	0	16	3	1	8	0	0	33

y																		
PG								0			0							
M.A. English	2	1	0	7	2	3	1	0	16	1	0	6	4	2	3	0	0	16
M.Sc. Physics	2	0	0	7	1	3	0	0	13	0	0	5	4	1	3	0	0	13
M.Sc. Analytical Chemistry	2	0	0	7	1	3	0	0	13	0	0	5	4	0	3	0	0	12
M.Sc. Botany	2	1	0	6	1	2	0	0	12	3	0	3	3	1	2	0	0	12

9.2.2.3 Drop-out rates of different categories of students in UG/PG programmes

Students who discontinue their studies at the UG level constitute 3%. The number of drop outs at the PG level is negligible.

Students of the Science stream drop out to join professional courses like Nursing, BAMS, BHMS or any other technical or job-oriented courses. A few students get recruited in the military services also. The students of Arts drop out to get enrolled in the technical and job-oriented courses.

CATEGORY WISE DROP OUT RATE 2019-2020

Category	Dropout rate
GENERAL	4%
SC	3%
ST	0
OBC	5%

9.2.2.4 Successful completion of programmes across the different categories in UG/PG

Programmes over the last five years

Students of different categories who get admitted as per the university norms successfully complete their courses, except for the 3% who drop out at the UG level. Very negligible number drop out at the PG level. About 70% of the General category students of the UG batch qualify for higher education and 63% of the PG batch qualify for their higher education. The programme completion rate at the UG level of SC students is 25%, ST students is 100% and OBC students is 57% respectively. At the PG level, 40% of SC students and 80% of OBC students successfully complete the programme. Detailed numbers for the academic year 2019-2020 is given below:

Number of Students Appeared for the Exam						Number of Students Passed				
UG	Total			O B C	Gen eral	Total	SC	ST	OBC	Gen eral
BA	143	30	0	53	60	55	4	0	24	27
BSc	190	26	1	65	98	126	8	1	49	68
Bcom	96	10	0	44	35	63	6	0	18	39

		7								
Total	42	7	1	16	193	244	18	1	91	134
	9	3		2						
PERCENTAGE						56.88	24.66	100.00	56.17	69.43
Number of Students Appeared for the Exam						Number of Students Passed				
PG	To			O	Gen	Total	SC	ST	OBC	Gen
	tal			B	eral					eral
				C						
	17	3	0	4	10	17	2	0	4	11
	38	7	0	9	22	20	2	0	9	9
Total	55	1	0	13	32	37	4	0	13	20
		0								
PERCENTAGE						67.27	40.00	0.00	100.00	62.50

9.2.2.5 Measures taken by institutions to bridge the achievement gap of students

The College has implemented warden system effectively, whereby, a teacher is in charge of a class, monitoring the students closely and attending to their specific needs. A record of the same is maintained through "Mentees Chronicle", a register that covers all aspects of the students prior to joining the college and traces their progress in the college as well. It includes their academic performance, co-curricular and extra-curricular activities, one to one meetings are held with students, parents etc.

The College conducts the Scholar Support Program that is meant to identify and support weak students. Those from socio-economically backward sections are given special attention. The College provides them with a support system that enables them to come up in academics as well as in life. A preliminary test is conducted to identify the students who are weak in their subjects. They are provided special classes, simplified notes and handouts. Peer teaching is also encouraged and carried out most effectively. Guidance and counselling, if required, is provided by the teachers and also by a professional counselor who visits the college according to a given schedule. They are also given preference for attending life skill programs organised by the college. Their progress is evaluated and assured by means of tests conducted towards the end of the year.

Walk with Scholar programme was effectively conducted in which selected students were given special sessions on personality development, time management, career guidance, etc. The Walk With a Scholar Programme – an initiative of the Higher Education Department, Government of Kerala, was taken up by Bishop Moore College in 2014-15, in which 30 students were mentored by five internal mentors. 60 students were enrolled in the programme in 2015-16 and were guided by ten internal mentors. In 2016-17, 90 students were guided by 15 mentors and in 2018-19, 90 students were mentored by 15 mentors.

Additional Skills Acquisition Programme is also organised every year for students to equip themselves with soft skills. Students, who lacked communication skills were identified and special consideration was given for students from economically and socially backward sections in the selection procedure. Sessions on soft skills and related sessions were provided for them. The efforts of the ASAP team were rewarded when the Department of Higher Education, Government of Kerala upgraded Bishop Moore College, from the status of a four star training institute to the five star category in 2016.

9.2.2.6 No. of students benefitted from Scholar Support Program (SSP) ?

280

9.2.2.7 No. of students benefitted from Walk With Scholar Programme (WWS)?

270

9.2.2.8 No. of students benefitted from Additional Skill Acquisition Programme(ASAP)?

330

9.2.2.9 Funds received from government/UGC and other agencies for bridging the achievement gap over last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
125200	405100	125200	467700	474500

9.2.2.10 Funds utilized by the institution for bridging achievement gap over last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
125200	396100	125200	467700	474500

9.3 Cultural Heritage

9.3.1 Institutional Legacy and Practices

9.3.1.1 Year of establishment of the institution

1964

9.3.1.2 List the repositories of intellectual heritage resources including building, library, museum, herbarium, scientific instruments of yesteryears etc. by the institution [Only for institutions with 70 years or above]

Not Applicable

9.3.1.3 Measures taken for the conservation and maintenance of repositories of intellectual heritage resources including ecology, building, library, museum, herbarium, scientific instruments of yesteryears etc. by the institution [Only for institutions with 70 years or above]

Not applicable

9.3.1.4 Describe steps taken and technologies used for the conservation of rare collections and specimens etc

The College effectively ensures the conservation of its collection of artifacts and other objects of scientific importance which are primarily preserved in the Botany and Zoology museums attached to the respective departments. In addition to this, the institution has a Greenhouse which allows the College to preserve seasonal and delicate plants all through the year by protecting them from the vagaries of weather. The Bhoomithrasena club and MIGPC (Moore Initiative for Gene Pool Conservation) are other initiatives of the college directed at conservation of biodiversity.

The Botanical Museum of the college contains preserved specimens of biological importance. It includes marine and fresh water algae, microscopic and macroscopic fungi, rare collections of bryophytes, pteridophytes, gymnosperms, morphological and anatomical specimens of angiosperms. Variety of plants ranging from *Trichpuszeylanicus* (Arogyapacha), *Rauwolfiaserpentina*, *Zamia* and *Cycasrumphi* are found in the museum.

The Zoological Museum is an abode of artifacts and rare collection of exhibits including various

species of stuffed animals, birds, skeletons, etc. which have been systematically categorized and documented. The museum has a collection of more than 10,000 specimens in various modes of preservation (animals in fixing fluids, dried or specially prepared animals, stuffed animals, skeletons and articles made from horns, shells, etc.). These are displayed yearly for school children to gain a basis for research on evolution, speciation and distribution.

The Green House of the College hosts a collection of rare and endangered plants with a full-time gardener to take care of the plants. The forty-year old Greenhouse is a model to uphold. A *Green Campus*, a book published with exclusive photographs is a documentation of the flora of the college.

The Bhoomithrasena club of the college, an initiative by the Government of Kerala aimed at conservation of environment, is dedicatedly engaged in organizing seminars, debates, lectures and arranging field visits to wildlife parks and environmentally sensitive areas. The club is proactive in conducting programmes aimed at preserving the surroundings and protecting the environment by cleaning the polluted or environmentally degraded sites, and by planting and maintaining trees in the campus. The Bhoomithrasena Club has been functioning in the college with the financial support of the Directorate of Environment and Climate Change, Government of Kerala. The College unit, started in the year 2010, has been successful in meeting the objective of raising awareness about the need for responsible environmental behaviour and piloting many a project in this direction.

Mushroom culture, an initiative of the Zoology department, is aimed at encouraging responsible entrepreneurship.

MIGPC, Moore Initiative for Gene Pool Conservation was inaugurated on 18 November 2017. Under this initiative, hybrid varieties of paddy seeds and jackfruit were sown in a specially prepared field.

The campus is a home for diverse species of trees. Some of them are:

1. *Dilleniaindica* or Elephant apple
2. *Parkiabiglandulosa* or Badminton Ball Tree
3. *Vateriaindica* or White Dammar, a threatened species
4. *Cochlospermumreligiosum* or Silk-cotton tree
5. *Eriobotrya japonica* or Lakkottapazham (Loquat)
6. *Couroupitaguianensis* or Cannonball Tree
7. *Rauwolfiaserpentina* or Wonder Drug in the treatment of Systolic Hypertension.

9.3.1.5 Describe the heritage of the institution towards cultural, social and moral fabric of society

The institution is part of the two-hundred year old tradition of the CMS Missionaries who had dedicated their lives for the upliftment of the downtrodden by touching on all aspects of life. The College, founded in 1964, is named after the fourth Anglican missionary, Bishop Edward Alfred Livingstone Moore, a visionary whose motto was to be selfless to the core. His altruism was a consolation and hope for the poor and the marginalized, a tradition which is carried on by the institution. The institution aims to be a beacon of hope and aspiration for the less privileged in the society by being instrumental in facilitating their social mobility. Imparting education to the marginalized is one of the mission statements of the College. The College offers platforms for activities like Unnath Bharath Abhiyan, NSS, NCC, flood relief camps etc., an overall involvement in all the events in the society.

Unnath Bharath Abhiyan: Bishop Moore College is a part of Unnat Bharat Abhiyan, an initiative of the Ministry of Education, Government of India. Being the year of the Covid 19 pandemic outbreak, the first and immediate step on being empanelled under this programme was to provide 1000 masks

and 1000 bottles of sanitizers to the Mavelikara municipality. The college has adopted 5 villages including the one in which the college is located under this scheme.

Writings: "Global Voices and Cultures" is a book co-edited by Mr. Amith David, Assistant Professor of English, which contains a selection of writings in different genres around the world. It intends to introduce the readers to the rich panorama of experience

NSS/NCC: The NSS and NCC wings of the college try to awake social consciousness among the students by providing them opportunities to work with and among the people emanating from different cultures and embodied through literature.

Flood Relief: The staff and students played a laudable role in the flood relief activities at Chengannoor and Mavelikkara in actively offering help in the evacuation of people from affected areas, locating and directing rescue team to the needy, giving necessary food, clothes and other items to relief camps during the testing times of the 2018 floods. **A Student House Project was taken up by the college wherein a plan to construct a house for an affected student was charted in 2018 and successfully completed in 2021.**

In keeping with its tradition of maintaining the secular fabric and communal harmony, the college makes it a point to celebrate all the major festivals like Onam and Christmas as well as national days like the Independence Day and Republic Day. 'Kalajadha' which showcases the rich cultural heritage of the state is one of the main attractions among the programmes of the College Arts Festival.

Students Aid Fund: Under this scheme, the College provides mid-day meals and financial assistance for purchasing books to deserving students.

9.3.1.6 Describe the various cultural heritage schemes /other government schemes in the institutions

The Malayalam Department of the college has established the George Mathen Academy, a memorial instituted in reverence of Rev. George Mathen, one of the pioneering missionaries of Kerala and a doyen of Malayalam language and literature. The Academy houses his writing desk and few books. The George Mathen Academy has been hosting memorial lectures in his honour from 1984 onwards. The publication wing of the academy started functioning on 18 June 2018 with the publication of the book *Sahityavichithanangal* by Prof. Johnson Chemmenem. To commemorate the two hundredth birth anniversary of Rev. George Mathen, a book in his honour titled *Rev. George Mathanum Vyakaranavum*, written by Dr. Sudha Mary Thomas, was released by the honourable Chief Minister Sri. Pinarayi Vijayan and State Education Minister Prof. Raveendranath in 2019. The Academy is now charting new waters and expanding its knowledge horizon with the introduction of a new academic journal titled *Malayazhma* which would carry research articles from both English and Malayalam disciplines.

<http://bishopmoorecollege.org/gallery/?album=5809>

9.3.1.7 Describe the extension work related to sensitization of the community in general and students in particular of: the significance and historic / cultural implication of heritage structures in the region; survey of unidentified heritage sites in the region, bring out/ document/ disseminating the cultural heritage of the different social groups in the region

Mavelikara is the abode of the celebrated poet A.R. Rajaraja Varma, in whose memory the A.R. Rajaraja Varma Smarakam has been established in 1990. On 12 Feb 2020, the Department of Malayalam hosted a memorial function of A.R. Rajaraja Varma, organized by the All Kerala Sahithya Parishad, to improve the awareness of the students and to sensitize them to the achievements of

the writer venerated as the Kerala Panini. The President of Parishad, Shri. C. Radhakrishnan who inaugurated the programme spoke in length about the contributions of A.R Rajaraja Varma to Malayalam literature.

A one day camp organized at the historical monument A.R. Smarakam, Mavelikara on 03 June 2017 was inaugurated by Prof. V.I. Johnson, former NSS PO and Retd. HOD of Malayalam Department of Bishop Moore College. Sri. Pramod, who is in charge of A.R. Smarakam gave a speech on the importance of A.R. Smarakam and also on the importance of protecting Mother Nature. Later all the volunteers actively participated in the cleaning programme as per the directions given by the Programme Officers.

As part of the Keralappiravi Dinaghosham of 2015, one week celebrations were organised with cultural programmes with historic significance like Pulluvanpattu, Aksharaslokam etc

A One day Seminar on "Onattukarayude Samskarikaparmbaryam" was held in 2015 which was hosted by the Department of Malayalam. The famous historian and archeologist Dr. M. G. Sasibhooshan led the classes.

Kalajadha conducted as part of Arts Festival displays the historic / cultural implication of heritage structures in the region. This includes the Chettikulangara Kumbha Bharani festival, one of the most colourful visual spectacles from this part of the State with its 'Kettukazhcha' pageant and 'Kuthiyottam' performances, which has been bestowed with the Intangible Cultural Heritage (ICH) status awarded by the United Nations Educational Scientific and Cultural Organisation (UNESCO).

More Photos

The College Union Day celebrations are a display of the cultural heritage of the different social groups in the region reflected in various art forms like Theyyam, Chakyarkoothu, Margamkali, Chavittu Naadakam, Oppana, Daffmuttu, and Mohiniyattam.

The Onam celebrations of the college with the wholehearted participation of the students witness the performance of Thumbithullal, Kalaripayattu, Thirvathira, Onathappan, Pulikali, Kummatti, Onappattu, and Vadamvali. More Photos

On 03 Oct 2019, Malayalam Association organized presentation of the dance form 'Ottan Thullal' which was presented by Maruthorvattom Kannan. The programme was inaugurated by Dr. D. Bindu, Govt. College, Ambalappuzha

Attachments for the metrics
Any additional Information

9.3.2 Distinguished alumni

9.3.2.1 Distinguished alumni of the institution (Names and areas of prominence)

1. Rev Dr Valson Thampu, Former Principal, St. Stephen's College, New Delhi
2. Dr. Gopinathan Pillai, Former Pro Vice Chancellor, Calicut University
3. Dr. Mathew Ninan, Former Principal, Little Rock College, Mangalore
4. Mr. C R Raju (1969-1972):- Senior scientist at CPCRI, Kayamkulam
5. Dr. Ushakumari (1978-1981):- Scientist at Rubber research institute, India.
6. Dr. Reji Lukose (1978-1981):- Scientist at CPCRI, Kasargode.
7. Dr. Mohanan N (1979-1982):- Scientist at JNTBGRI, Palode, Trivandrum.
8. Dr. Anilkumar C (1979-1982):- Scientist at JNTBGRI, Palode, Trivandrum.

9. Mr. Rajeev R (1979-1982):- Scientist at CPCRI, Kayamkulam.
10. Dr. Sreekumar M – 1982-1985):- Scientist at CPCRI, Kayamkulam
11. Mr. Abhilash M R (1980-1983):- World Bank, USA.
12. Dr. Geetha S Pillai (1982-1985):- Scientist in Spices Board of India.
13. Dr. Raju Vallikunnam, Rtd Professor of English
14. Dr. Nidheesh, Asst Professor of English
15. Mrs. Malini S Kumar, Asst Professor of English
16. Dr. Ranjith Krishnan, Asst Professor of English
17. Mr. Harikumar TG, Asst Professor of English
18. Dr. Priyadarshini, Asst Professor of English
19. Mr. Arun Ravi, Asst Professor of English
20. Mr. Krishnakumar, Asst Professor of English
21. Mr. Vivek, SI of Police
22. Mr. Madhu Varanasi, Acclaimed Kathakali Artiste
23. Dr. Mathew Ninan, Former Principal ,Little Rock, Mangalore
24. Dr. S Krishnakumar, Former Principal, SD College, Alappuzha .
25. C A Abraham, Former Principal, CMS College, Kottayam.
26. Dr. Gopinathan Nair, Former PVC Calicut
27. Fr. Ninan Tharakan, Former Principal, St. Johns College
28. Late S. Raveendranath, Former Principal, Nilamel.
29. Late S Joseph IAS, Bihar cadre.
30. Dr. M.S. Hema, Former Principal, Women's College, Thiruvananthapuram
31. Mr. Saji Cherian, MLA, Chengannur Constituency
32. Adv. Pramod Narayanan, MLA, Ranni Constituency
33. Mr. Arun Kumar M.S, MLA, Mavelikara Constituency

Attachments for the metrics

Any additional Information

9.4 Nature of admission

9.4.1 Admission procedure

9.4.1.1 Describe the admission process carried out for student enrolment

Bishop Moore College is affiliated to the University of Kerala. So the Centralized admission procedure of the University is strictly followed by the College. The sanctioned seats for each programme are earmarked for the various categories in the following manner: General Category (50%), SC (15%), ST (5%), Community Quota (10%) and Management Quota (20%).

Students submit their applications to the various Degree/PG programmes in the Kerala University Admission Portal and the University allots rank lists for admission, based on the index marks of the students. The admissions are carried out in several allotments, as per the instructions and rank lists provided by the University.

9.4.1.2 Details of the website and mandatory disclosure

The current website of the College (www.bishopmoorecollege.org) has been published in October 2016. The website consists of 315 pages. Timely modifications on the lay out are done yearly.

It is regularly updated with scrolling news and daily news with photographs of various activities and achievements of the College. The front page of the Website welcomes with the display of the vision and mission of the College.

The **mandatory disclosures** like

- **NAAC Self Study Report** (2016)
- **AQAR Reports** (2013 onwards)
- **NIRF Reports** (2018 onwards)
- **Grievances Portals:** Caste Discrimination Grievances Portal, Students Grievances Redressal Cell
- **RTI page** giving details of RTI officials of the college.
- **College Handbooks** (2017 onwards)
- **College Newsletters** (2014 onwards)

are exhibited. An online registration portal for grievances is integrated on the website.

Management tab gives the details of the Management Board, Principal, Bursar and Administrative Staff

Under the menu item **About Us**, the history of the college, milestones, vision mission and aims, Shapers of Destiny, Our Founding Fathers and about Bishop E. A. L. Moore are provided for the guests.

Students corner displays the achievements of students in University Examinations, Competitive Examinations, NET/GATE/JRF, Arts, Sports, College Union Activities, STARS of MOORE etc. The learners can easily access the previous question papers of University Examinations from the Students Corner. The portal contains a collection of University Question Papers from 2015 onwards of all the Undergraduate and Post graduate Programmes of the College. The portal is designed in a highly user friendly manner.

The Research portal displays the research facilities available with the college, the list of publications, details of major/minor research projects and details of research guides. The Profile of all the teaching and non-teaching staff are updated on the website.

Teaching and Learning Menu Item displays the details of the various Departments, Courses, Research and available scholarships. **Login** portals for students, teachers and parents are enabled through a software called Educloud 360 is also provided in the front page. The website also shares a platform for **Moodle LMS**, where in the teachers and students are actively involved in the teaching learning process.

In the **DBT STAR College Scheme** portal, all the activities under the scheme from 2016 onwards have been displayed with reports and photographs.

The online feedback entry form for students is incorporated with the college website as a separate portal.

The **News** page is regularly updated with daily News from the campus along with the link to **Album Gallery** where the photos of the event are collected. The page contains headlines and link to photos of **ALL** the activities held in the college from **27 October 2016 onwards**, the date from which the current website was published. The Gallery also contains photos of important events from the history of the college and the Golden Jubilee Souvenir published in 2015.

IQAC page displays the details of current IQAC Committee, IQAC minutes, Annual Reports, Best

Practices,etc

In addition to these features, details of infrastructure facilities available in the college including Green Initiatives are also displayed on the website.

Attachments for the metrics

Any additional Information

9.4.2 Admission Profile

9.4.2.1 Number of actual students admitted from the reserved categories year wise during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
85	108	97	95	104

9.4.2.2 Percentage of total seats vacant in the government / aided and self financing programmes in the institution over the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
27	05	03	07	08

9.4.2.3 Intra and Inter Institutional mobility of students over the last five years

The College offers 11 Undergraduate programs, 5 Postgraduate programs (M.A Behavioral Economics and Data Science started during 2020-21) and 2 PhD programs.

Intra Institutional Mobility

UG to PG:

Stream	Sanctioned seats for UG per year	Sanctioned seats for PG per year	Students from same HEI over last five years
Physics	32	13	15
Chemistry	32	10	10
Botany	32	12	16
English	40	18	21

PG to PhD:

Discipline	Sanctioned seats for PG per year	Vacant seats for PhD over last five years	Students from same HEI
Physics	13	8	2
Chemistry	10	4	0

Students in the UG programs are motivated and trained to appear for JAM, GATE, Entrance examinations to various Central Universities. During the period 2015 to 2020, 12 students got admission in IITs and NITs. On an average, 20 students get enrolled in Central Universities for their Postgraduate courses every year. UG and PG Students are also provided with opportunities for doing Summer Research Projects in reputed National Institutions so that they derive an impetus to pursue their higher studies at National Institutes.

9.4.2.4 Number of students benefited from Institutional credit transfer over the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
NIL	NIL	NIL	NIL	NIL

9.4.2.5 Number of students benefited from Programme wise credit transfer over the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
NIL	NIL	NIL	NIL	NIL

Attachments for the metrics

Any additional Information

Clarification

SAAC, KSHEC :: 15-09-2021

9.5 Democratic Practices

9.5.1 Student Union formation/ Staff union

9.5.1.1 Describe the student union formation process in the institution

The College Union, run by the students, is the students' body which is constituted as per University regulations. The Union is created to represent fellow students in some fashion with a clear mandate to be a part of journey of the institute's endeavor to improve academic and administrative deliverable. This Union is led by an elected body of students to various posts. The Parliamentary system of election is followed for the election of representatives. The elections of the College Union are notified as per University schedule in the College notice board. The nominations to various posts are filed before the Returning Officer appointed by the Principal.

Meet the Candidate Programme is arranged as part of College Union elections. In this event, the candidates meet the whole college students in a general body meeting and introduce themselves and their proposed plan of activities in the college. The election is conducted through the secret ballot system.

The Union Executive consists of fourteen students selected to various posts. The members in the Executive panel occupy the following positions:

- College Union Chairman
- Vice Chairperson
- General Secretary
- College Magazine Editor
- Arts Club Secretary
- Two University Union Councilors
- Two Lady Representatives
- Sports Secretary
- Representatives of PG students, First, Second and Third year UG students

Bishop Moore College is one among the few colleges where Presidential election is permitted and conducted in a peaceful manner. The elected College Union are entrusted with responsibilities to organise various events

[Link to view College Union Activities over last five years](#)

9.5.1.2 Describe the staff union activities in the institution

Bishop Moore College functions cordially and unitedly as a family and all decisions are made unanimously. Staff union play a significant role in improving the effectiveness and efficiency of the

institutional process. The Staff union plans the curricular and extracurricular activities of the College and puts forward necessary proposals for infrastructure development for meeting the needs of teaching and learning community.

Staff union organizes annual staff picnics and promotes sports, games and cultural activities for staff. During February 2020, the Bishop Moore College Staff Cricket team defeated Alappuzha Carmel Polytechnic College team and qualified to the next round in the Teacher's Cricket league held at St. Michael College. The team was awarded Fair play award, though the team lost the match.

Staff union provides free lunch, study materials, medical help, financial help for study tours and other need-based assistance to students. Financial support is provided for construction of houses and to meet medical expenses of students and staffs.

Under the auspices of Staff Union, Lunch and Get together are arranged during Festival occasions. Farewell meeting for retiring staff are also organized by the Staff Union. During the demise of retired staff members, the Staff Union makes necessary arrangements including transportation facilities for staff to reach the sorrowing home, honoring the remains, meeting financial crisis if any etc.

A co-operative society is functioning in the college under the Staff Union. The various financial schemes of the Staff Co-operative Society is a shelter for both the teaching and non-teaching staff during personal financial crisis.

9.5.1.3 Student representation in decision making bodies – Syndicate, Senate, Academic Council, College Council, Governing Body and Grievance Redressal Bodies

To develop leadership qualities among students, representatives are incorporated in various committees. The list of Committees where student representatives participate is given below:

Name of the committee	Student representative
Student Affairs	College Union Chairman
Library Committee	PG Student
Students' Grievances Redressal Cell	College Union Chairman
Arts Club	Arts Club Secretary
RUSA Project Execution Committee	PG Student
IQAC	PG Student

The needs of students are addressed in the respective Committee meetings. Feedback is also taken for ensuring the quality and effectiveness of teaching and learning in the College.

Mr. Akshay A.A. from Dept. of Economics, Bishop Moore College was a **member of Kerala University Senate in 2019.**

9.5.1.4 Elected representation of staff in decision making bodies – Syndicate, Senate, Academic Council, College council, Governing Body and Grievance Redressal Bodies

The College has contributed immensely to the development of the curriculum by the

University, through its representation in the Board of Studies and other statutory Academic bodies. The members attending Board of Studies meeting obtain feedback from their respective Departments and present it in the Board of Studies. The detailed list of the faculty who are members of academic bodies is given below. The Governing Body of the College has two staff nominees along with the Principal and the Bursar and the council meets regularly to discuss all administrative, academic and financial matters. The Governing Council develop plans and strategies to ensure infrastructure development for meeting the needs of teaching and learning community.

Name of the Faculty	Name of the Board	Department
Dr. Sivaprasad	UG Board of Studies(2020-	Biotechnology
Dr. Suma Alexander	UG Board of Studies (2020-	English
Dr. Anne Angeline Abraham	UG Board of Studies(2016-2018)	English Literature and communicative English, CMS College, Kottayam
Dr. D Sajan	Senate (2014-17)	University of Kerala
Dr. Santhi W. S.	Academic Council (2014-17)	University of Kerala
Dr. Prakash Williams	UG Board of Studies (2014-17)	Bio-technology
V. I. Johnson	Faculty of Oriental Studies (2014-17)	Oriental Subjects
Giggy P. Koshy	UG Board of Studies (2014-17)	English
Dr. Ranjith Mathew Abraham	UG Board of Studies (2014-17)	Economics
Dr. P. K. Varghese	UG Board of Studies (2014-17)	Economics
	Special Invitee	
Dr. Dinesh Raj R.	UG Board of Studies	Botany, Assumption College (Autonomous)

9.5.1.5 Describe the nature and composition of student and staff Grievance Redressal Bodies

The Students' Grievances Redressal Cell of the College desires to promote and maintain a conducive and unprejudiced educational environment. The cell aims to provide a place of work and study free of sexual harassment, intimidation, and/or exploitation. Anyone with a genuine grievance may approach the Department members in person, or in consultation with the officer in-charge of Students' Grievance Cell. In case the person is unwilling to appear in person, grievances may be dropped in writing at the letterbox/ suggestion box of the Grievance Cell at the Administrative Block. The grievances may also be sent through e-mail to the officer in-charge of Students' Grievance Cell.

The objective of the Grievances Redressal Cell is to develop a responsive and accountable attitude among all the stakeholders in order to maintain a harmonious educational atmosphere in the institute. It is constituted for the redressal of the problems reported by the Students of the College with the following objectives:

- To uphold the dignity of the College by ensuring strife free atmosphere in the College through promoting cordial Student-Student relationship and Student-teacher relationship etc.

- To encourage the students to express their grievances / problems freely and frankly, without any fear of being victimized.
- Suggestion Box / Complaint Box is installed in front of the Administrative Block. Those student(s), who want to remain anonymous, may drop their grievances/suggestions for improving the Academic / Administration in the College.
- To direct the students of the College to respect the right and dignity of one another and show utmost patience and restrain whenever any occasion of rift arises.
- To advise all the students to refrain from inciting students against others students, teachers and College administration
- To instruct all the staffs to be affectionate to the students and not behave in a vindictive manner towards any of them for any reason.
- To prohibit ragging in any form in the institution. Any violation of ragging and disciplinary rules should be urgently brought to the notice of the Principal.

Scope:

- Academic Matters-the timely issue of duplicate Mark-sheets, Transfer Certificates, Conduct Certificates or other examination related matters.
- Financial Matters- the dues and payments for various items from library, hostels etc.
- Others- certain misgivings about conditions of sanitation, preparation of food, availability of transport, victimization by teachers etc.

Functions:

- The cases will be attended promptly on receipt of written grievances from the students
- The cell formally will review all cases and will act accordingly as per the Management policy
- The cell will give report to the authority about the cases attended to and the number of pending cases, if any, which require direction and guidance from the higher authorities.

Procedure for lodging complaint:

- The students may feel free to put up a grievance online in webportal or in writing/or in the format available in the Administrative Block and drop it in boxes.
- The Grievance Cell will act upon those cases which have been forwarded along with the necessary documents.
- The Grievance Cell will assure that the grievance has been properly solved in a stipulated time limit.

9.5.1.6 Describe the Student Council activity and role of students in academic and administrative bodies

The College boasts of a huge library with over 52,000 titles. It provides the students with a variety of academic and non-academic books and journals that are accessible to the students. The students can also put forward their opinions on including any book/journal that would help them in their course of study and on improving the library facilities through a student representative.

Internal Quality Assurance Cell is conceived as a mechanism to build and ensure a quality culture at the institutional level. The IQAC is meant for planning, guiding and monitoring Quality Assurance and Quality Enhancement activities of the colleges. The IQAC monitors mechanisms to channelize and systematize the efforts and measures of the college towards academic excellence. It

acts as a driving force for ushering in quality by working out intervention strategies to remove deficiencies and enhance quality, thereby maintaining the momentum of quality consciousness. In this process, the IQAC is open to suggestions and criticisms from the Student Council as well. Also, it tries to work on improving the quality of the teaching-learning process through the feedback received from the students and other stakeholders on a regular basis.

The college supports a lot of co-curricular activities, among which Sports occupies a special place. Sports facilities include Basketball court, Volleyballcourt, Shuttle court, Playground with stadium. Healthy competition spirit, promoted among students has increased the participation in extra/co-curricular activities. Department wise sports and March past competitions are conducted. House wise competition is followed for Arts and Literary fest. Two faculty members in the Physical Education Department provide adequate training for students to participate in competitions. The College has produced International players in soft ball and is among the few institutions promoting soft ball. The Student Council also, through an elected student representative, recommend the Staff Council to improve the quality of the students in the field of sports. There is also a Sports Club in the college co-ordinated by Prof. Jils Varghese, Assistant Professor, Department of Physical Education.

The college provides hostel facility for female students. The college has a Sports Hostel as well as a hostel for women students belonging to SC/ST, OBC and economically weaker sections. First Aid facilities are available in the ladies' hostel. In case of any medical emergencies, a full time Vehicle with driver is available at the hostel. The hostel also has two computers with wi-fi. It has recreational facilities as well. There is a student representative who can put forward suggestions to improve the hostel facilities if needed. These suggestions will also be taken into consideration.

In RUSA project execution committee, the student representative participates in the meetings held. S/he can put forward opinions and suggestions that s/he received from the students. These suggestions will be considered while allocating the funds and executing the project.

9.5.1.7 Recognition or awards received for the Institution Magazine

None

Attachments for the metrics

Any additional Information

9.5.2 Student Feedback system

9.5.2.1 What are the steps taken to get feedbacks from students and describe the outcome after taking feedback?

The College has a formal mechanism of receiving feedback from students, parents and alumni for evaluating the efficacy of the programmes and services provided by the College. It is developed and regularly modified by the IQAC. The IQAC takes the lead in gathering feedback: from the students, regarding teacher performance and the curriculum; from parents and alumni regarding the quality of institutional processes and also from the faculty of the College regarding the same. Feedback from parents is obtained through PTA meetings conducted by individual departments as well as by the college. Through an open forum provided during these meetings, the parents are encouraged to express their suggestions and criticisms regarding the college and the academic/non-academic programmes conducted in the college. This is also taken into consideration by the principal/HODs while taking measures to improve the conduct of the college. The opinions on curriculum is collected from students and stakeholders and are communicated to the University through the members of the Board of studies during syllabus revision.

9.5.2.2 Structured feedbacks received from 1. Students 2. Teachers 3 . Employers 4. Alumini 5. Parents for design and review of syllabus – Semester wise / year wise

93

9.5.2.3 Classification of the feedback processing by the institution

Attachments for the metrics

URL for stakeholder feedback report

Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management

9.5.3 Academic Mobility of Students

9.5.3.1 Number of outgoing student progression to higher education

260

9.5.3.2 Number of students opting for Post Graduate Programme in the same institution after completion of UG

11

9.5.3.3 Number of students opting for Doctoral Programme(M.Phil/Ph.D/PDF) in the same institution after completion of PG

01

Attachments for the metricsCategory wise student progression [9.5 Categorywise student progression.xlsx](#)

Any other information

Clarification**SAAC, KSHEC :: 15-09-2021**

9.6 Outcome based Education

9.6.1 Student Achievement

9.6.1.1 Number of students appearing in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
24	25	23	24	22

9.6.1.2 Number of students qualifying in state/national/ international level examinations (eg: NET/ SLET/GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) during the last five years

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
16	13	4	5	5

9.6.1.3 Number of students securing admission for higher studies in reputed national institutions

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
40	42	38	32	33

Attachments for the metrics

Any additional Information

9.6.2 Outcome Based Education(OBE)

9.6.2.1 Describe Course Outcomes (COs) for all courses and mechanism of communication within a minimum of 500 characters and maximum of 500 words

Outcome Based Education is the end result of our prescribed syllabus. The Open Courses provided help students to understand other subjects in addition to their own. Projects done by the students enhance their experiential learning and give hands on training to them in their respective fields of study. It helps them to understand the concepts better and enable them to think deeper and out of the box. The subjects like Environmental studies help make them more responsible to the world around us. When students from the arts group are given a chance to learn such topics, it gives a new insight for them. When science students have this subject, they understand that our plants and animals are not mere specimens and they start seeing the environment in a different light.

Our various club activities make our students sensitive to the pressing needs of the society. For example, the clubs like Science Club, Nature Club, Bhoomithra Club, NSS, etc.. make the students thrive deeper into the environmental issues and to know the importance of sustaining the nature. The Debate club and the Literary club also do their part in raising awareness on the burning challenges faced by the society. It provides a platform for the students to have a discussion on such topics and brainstorm themselves on any possible solutions and suggestions.

Our skills training and induction programmes equip our students to be better individuals. It helps them improve their talents and build self-confidence.

9.6.2.2 Describe the method of measuring attainment of POs in not more than 500 words and the level of attainment of POs

The attainment of Programme Outcomes are measured using various methods which include Internal Examinations, External Examinations, Project, Seminars, Assignments, participation in other academic endeavors. The College efficient mechanisms to conduct the Internal Assessment system as well as External Examinations as per University norms.

The Staff Council and the CLMC (College Level Monitoring Committee) meet regularly to organize the teaching, learning and evaluation schedules. The College has an academic calendar, the College hand book and calendar which has the details of the faculty, the course structure, the fee structure and a year planner. Teaching plan is prepared at the beginning of the semester. The CLMC give directives to the internal assessment system of the College. An internal exam is conducted for the students before every semester exam, as part of the internal assessment. The students are also assessed based on the assignments, seminars and the projects that they complete during the course of the programme. For PG students, individual supervisors are allotted to each student to guide them with the project.

9.6.2.3 Describe the method of measuring attainment of PSOs in not more than 500 words and the level of attainment of PSOs

Among the various assessment tools to verify course outcomes, conducting systematic Internal Exams and University End Semester Exams are the two prominent methods. Internal Evaluation System: The Continuous Internal Evaluation (CIE) system is monitored by the College Level Monitoring Committee (CLMC). The Principal as the Chairperson, Heads of departments, elected representatives of teachers in the College Council and a student representative constitutes the CLMC. A member selected by the CLMC from among the Heads of the Departments shall be the Convener.

Department Level Monitoring Committee (DLMC) consisting of the Head of the Department and all teachers of the Department shall monitor the conduct of Courses and evaluation under CIE. The Head of the Department shall be the Chairperson and a teacher selected by DLMC from among the members shall be the Convener.

The College has a highly efficient Internal Examination Cell under the governance of CLMC for the smooth conduct of Centralized Internal Examination. The CLMC selects two faculties as the Coordinators of the Internal Examination cell. They are responsible for the preparation of time table and invigilation duty list, collection of question papers from concerned course advisors, sorting of question papers, smooth conduct of examination and the distribution of answer scripts to concerned faculties. The Internal Examination Cell, DLMC, and CLMC jointly announce the dates for the distribution of corrected answer scripts to the students. Thus, they make sure that the outcomes stated in the syllabus are assured. The College also offers facilities to solve their grievances regarding internal examination scores.

Attending the internal examination is mandatory. Retest is conducted for students who have not attended the same due to genuine reasons. Internal Examination for post graduate students is conducted at the department level. The institution strictly follows the criteria given by the University for Continuous Internal Evaluation (CIE).

Assignments, Seminars, laboratory work and project work undertaken are the other methods used to analyze the outcome of the courses. Each of these is properly guided by the faculty so that the students can give their maximum output. Consistent feedback and surveys from various stakeholders are evaluated and methods are changed, if necessary.

9.6.2.4 Describe the method of measuring attainment of COs in not more than 500 words and the level of attainment of COs

The course outcome is monitored by Faculty Advisors of each course. They plan and prepare the methods in which assignments, seminars and test papers are to be given, which is meticulously followed by the others. The internal assessment is a testimonial to this fact. The Faculty Advisors look into it thoroughly and make innovative changes regarding the manner in which the above mentioned are conducted as and when necessary.

Faculty Advisors monitor the progress of their wards and intervene as and when necessary. Continuous assessment of the students is done consistently. The Heads of the Departments plan and fix the timetable every semester so that two or three faculty advisors share a paper and a class. The assessment of the progress of the students is thus monitored constantly.

9.6.2.5 Number of Faculty who were trained in OBE workshops conducted by KSHEC

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
9	3	2	Nil	Nil

9.6.2.6 Number of OBE workshops organized by the institution

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
1	Nil	1	Nil	Nil

Attachments for the metrics

Any additional Information [OBE.xlsx](#)

9.6.3 Cost of Education

9.6.3.1 Unit cost of Education (total annual recurring expenditure (actual) divided by total number of students enrolled) including salary component

51135

9.6.3.2 Unit cost of Education (total annual recurring expenditure (actual) divided by total number of students enrolled) excluding salary component

5004

Attachments for the metrics

Any additional Information

Audited accounts and budget of the institution [Link to Audited statements.docx](#)

Clarification

SAAC, KSHEC :: 15-09-2021

10. Scientific temper and Secular outlook

10.1 Knowledge assimilation and dissemination process

10.1.1 Knowledge assimilation process

10.1.1.1 Steps taken by the institution for knowledge assimilation in your institution such as response to disaster management, Social Angle in Research and Knowledge Production(SARC), Knowledge Dissemination Response(KDR), Knowledge Action Decision Framework(KAD)

Bishop Moore College from its very inception itself had a special focus for knowledge assimilation and dissemination towards social welfare.

To make the faculty, students and the local community aware of response to disaster management, the College organized a National Seminar on "Scientific Solutions for Sustainable Rebuilding of Kerala in the post-flood scenario" in which Smt. Medha Patkar and Dr. M C Dathan were the keynote speakers.

Research is a major area where the College gives special emphasis to social benefit. The extent of benefit towards the immediate needs of the society is given special importance in the research project proposals put forward by the faculty.

Given below are a few specific examples of social angle in research.

- The faculty members of Chemistry succeeded in preparing bio-degradable plastic from bio-polymers like starch, soy protein, cellulose for packaging.
- The faculty members of the Department of Chemistry were able to Develop a pH sensitive bio-degradable film for monitoring freshness of packed pork and shrimp samples.
- The Research Centre of Chemistry could develop Chitin nano whiskers from prawn shell waste which has bio-medical application in the healing of wounds.
- **GenBank submissions:** Prakash G. Williams, Kavya K.S., Austin P., Arjun J.K. succeeded in identifying partial sequences of 16s rRNA from bacterial isolates. (MN566042-MN566049) and the same was submitted on 16.10.2019

Publications by faculty and students are another medium through which expertise of the institution is made available for the community. Around 70 publications as journals, books and book chapters have been published from the college over the last five years. A few knowledge books apart from scientific books are given below:

- "Global Voices and Cultures" is a book co-edited by Mr. Amith David, Assistant Professor of English
- "Cyber idavum Malayala Bhavanayum", "Kayyala", "Sahithya Vichinthanam", "Rev. George Mathenum Malayala Vyakaranavum" - published by faculty in Malayalam

Faculty members serves as experts to various training programmes, Contests, Conferences organized by various agencies including Govt agencies.

- Dr Nair Anup Chandrasekharan, Assistant Professor of English, served as a Language Expert for the National Legislators' Conference organised by the Kerala Legislative Assembly in August, 2018, a Language Expert for the "Festival of Democracy" celebrations in February, 2019 at the Legislature Complex, Thiruvananthapuram, as the Resource Person in the four-day course Designing and Module Development Workshop from organised by SCERT.

The various Departments, as part of teaching learning processes, make use of their expertise and resources to give training for local community. A few examples are listed below.

- Installation of Aquaponic system: With a view to promote farming using aquacultured water, an aquaponics plant was installed in the campus. The plant gives a message towards more farming from less water. Training on aquaponics is organised regularly.

- [Mushroom cultivation](#) is promoted in a professional manner among the local community through specialised training offered by the college.
- [Sanitisers distributed to the public](#)- During the Covid 19 pandemic, the Institution used its Chemical laboratory to prepare and distribute sanitizers to the people, especially in the District Hospital, District Jail, Railway Station and other public places.

Attachments for the metrics

Any additional information

10.1.2 Knowledge dissemination

10.1.2.1 Describe mechanisms of knowledge transfers and approach for collaborative research with government, research funding agencies or any community

- The College has a Memorandum of Understanding with the Pushpagiri Research Centre to promote collaborative research in the field of bio-medicine. A collaborative research project on '[Human Breast Milk Powder](#)' funded by the Department of Bio-technology, Government of India has been sanctioned and the research is under progress. A National Conference for medical research, "[Bioradiance 2019](#)" was organized by the Department of Chemistry and the Pushpagiri Institute.
- A patent on "CRYSTALLINE CHITIN NANO WHISKER AND COMPOSITES THEREOF" has been granted to Smt. Siji K Mary and Smt. Rekha Rose Koshy, Assistant Professors of Chemistry, Bishop Moore College.
- Dr. Asha Ramachandran, Assistant Professor, Department of Botany and Biotechnology carried out a one month research internship at IIT Mumbai from 04 June 2017 to 03 July 2017, under the FLAIR Research Fellowship from Government of Kerala
- [The Department of Physics pursues research works in collaboration](#) with faculty members of Raman Research Institute, Bangalore, Vellore Institute of Technology (VIT), Chennai, Nanjing University of Science and Technology, Xialingwei 200, Nanjing, People's Republic of China, Anna University, Chennai, University of Helsinki, Finland, Bharathidasan University Thiruchirappalli and has joint publications in several peer reviewed International Journals.
- Dr. D. Sajan, Assistant Professor of Physics, has completed a [Collaborative Major Research Project](#) entitled "Growth, Optical Studies, Vibrational Spectral Investigations and Hydrogen Bond Studies of Semi Organic NLO Crystals for Laser Applications" in collaboration with Dr. R. Chithra, Scientist, UGC-DAE BARC.
- [Dr. Arun Aravind, Assistant Professor of Physics, was allotted beam time](#) for the project entitled "Investigations of swift heavy ion irradiations on structural, electrical and optical properties of RF-magnetron Cu sputter transition metal oxide thin films" by the Inter University Accelerator Centre, New Delhi.
- [Dr. Arun Aravind, Assistant Professor of Physics, was awarded the visiting fellowship](#) from Jawaharlal Nehru Centre for Advanced Research, Bangalore.
- Dr. Jerin Susan John, Assistant Professor in Physics, got the opportunity to be part of the [Indian Nanoelectronics Users Program \(INUP\)](#) of Indian Institute of Science, Bangalore, to facilitate experimentation of research ideas of Indian researchers in the general area of nanoelectronics.

10.1.2.2 Details of Prabudhata/ Prabudhata model society – institution linkage

[ASPIC Club: Antibiotic Stewardship and Prevention of Infection in Communities \(ASPIC\) Club](#) of Bishop Moore College, a joint venture of Department of Botany & Biotechnology and Zoology, was inaugurated on 24th October, 2019. The Club was formed under the patronage of ReActAsia pacific, an international agency working against antimicrobial resistance (AMR). Dr. Prakash G. Williams was nominated as the Faculty Nodal Officer of the Club. Prof. Alexander K Samuel, Syndicate

Member, CUSAT; Dr Philip Mathew, Public Health Consultant, ReAct Asia Pacific, Mr. Vishal Philip Sam, Consultant, ReAct Asia Pacific addressed the gathering and educated the members about the consequences of AMR and the role that the club can play in creating public awareness.

The College has adopted five villages under the Unnath Bharath Abhiyan scheme of the Government of India. Mavelikara, Thekkekara Part, Kattanam CT, Bharanikkavu Part and Vettiya

Training on Paper Bag making for Kudumbasree members are regularly organised by the Bhoomithrasena as part of the "Beat the Plastic" and paper bags are distributed among local shops.

Training on mushroom farming was organized for local community members for promoting entrepreneurship among them.

Flash Mobs, Street plays and Rallies are regularly organised by NSS, NCC, College Union, Women's Cell among the public on topics related to Women Security, Renaissance, etc. On 30 January 2019, a flash mob on "Renaissance" was organised inside and outside the campus by the College Union. On 11 December 2019, National Service Scheme conducted a flash mob on "Stop Violence Against Women"

As part of Ozone Day celebrations of 2015, a group of students of the Physics Association visited five schools and conducted awareness class, awareness skit and video presentation on the topic "Ozone-All there is between You and Me"

As a part of the Prabudhata model society-institution linkages, we have organised 'Shasthrajalakam', a three day science enrichment programme for High School students from Government/Aided institutions, sponsored by the State Institute of Education Technology (SIET) from November 8-10, 2019 (Link to Day wise activities: Shasthrajalakam Day 1, Shasthrajalakam Day 2, Shasthrajalakam Day 3)

Programme for the promotion of excellence of Gifted Children in the Mavelikara Education District was organised in association with State Institute of Education Technology, Government of Kerala on February 15, 2020.

Bishop Moore College is registered as a Social Entrepreneurship, Swachhta and Rural Engagement Cell (SERC) of the Mahatma Gandhi National Council for Rural Education MGNCRE, Ministry of Education, and Government of India. The Swachhta Action Plan Committee of the college is composed of 10 faculty members and 50 students. The Committee monitors and plans activities in the campus and the local community related to Waste management, maintaining greenery in campus, Rain water harvesting, solar energy harvesting, post covid hygiene, etc. The college was awarded the One District One Green Champions Award recently by the MGNCRE, Govt of India

10.1.2.3 Details of special learner ecosystems created in the institution

The College provides special opportunities for providing an enriching learning experience to engage high capacity learners for continuous growth. The environment prevailing in the college permits learners to immerse themselves in multiple outlets for educational engagement.

- The College has a time tested Mentor- Mentee system where a mentor is allotted to a class, who, in turn, cares for the intellectual, spiritual and mental growth of the learner.
- The faculty use the Learning Management System, MOODLE integrated with the college website.
- Seminars and Workshops are organized fostering scientific and social temper and molding

the students and this enables to create a platform for intellectual interaction.

- Question Bank is made available for online access on the College website.
- Scholarships and stipends are distributed to all deserving and meritorious students.
- The College is a five-star ASAP Training Centre under the New Initiatives of Higher Education Department, Government of Kerala.
- The College houses a Zoological Museum, a Tissue Culture lab, a Green House and a Herbarium to facilitate learning experiences.
- Students are given opportunities to take up Student Summer Projects in reputed National Research Institutes.
- The Science Graduate and Post-Graduate students are motivated to avail financial support from KSCSTE Government of Kerala to carry out their dissertation work.
- The students present their findings in the seminars and publish their work in reputed journals.
- Field Visits and Study Tours are conducted regularly by all departments.
- The College provides ample opportunities to students to engage in Extension activities.
- Opportunities for Certificate courses, Add-on courses and value-added courses are provided for the learners, enabling them to acquire additional certificates in course of their graduation.
- Our Teaching-Learning Processes are supported under various Government Schemes like DBT-STAR, DST-FIST, KSCSTE-SARD programmes.

10.1.2.4 Lifelong learning initiative/ programmes in the institution

The lifelong learning initiatives undertaken in the Institution

(a) for students:

- **MoU with KELTRON**: The college offers various certificate courses in association with KELTRON.
- **Association of Knowledge Partner Spoken Tutorial Programme, IIT Bombay**: The College is officially now an Academic Center-ILM for initiating Spoken Tutorial Training. The Programme is a part of the National Mission on Education through ICT, MOE, Govt. of India, to spread IT Literacy all over India.
- **Association with Internshala**, India's no.1 internship and training platform with 40000+ paid internships in Engineering, MBA, media, law, arts, and other streams, to help students find suitable internships. **Coursera for Campus Basic plan program** for learners was launched on 25 January 2021.
- **Science Students regularly undertake Summer Research Projects in reputed institutes**. During the last five years, 22 students have completed their projects at IISc Bangalore, IIST Thiruvananthapuram, JNCASR Bangalore, RRI Bangalore, IGCAR Kalpakkam, IIT Gandhinagar, CSIR CECRI Karaikudi, etc
- The College regularly partners with the three **Science Academies (IISc Bangalore, INSA New Delhi, NASI Allahabad)** in organising Lecture Workshops, in which the fellows of the Science Academies' give lectures for students. The college has organised **six lecture workshops** during the last five years
- **Add On Course/Certificate Courses**: The Department of Physics offers an Add- on Course on "Office Automation and Web Designing" and the Department of Chemistry offers an Add-On Course on "Polymer Nanocomposites". Certificate Course on GST and Certificate Course on Tally is offered by the Department of Commerce.
- **ASAP**: The college is a five star ASAP institute of the Department of Higher Education of Government of Kerala which helps students in skill development.
- **Mentoring- mentee** relationships, the **Alumni Association** and the **Placement Cell** of the college plays a significant role in this regard.

(b) for teachers:

- The College regularly partners with the **PMMNMTT Scheme of Guru Angad Dev Teaching Learning Centre of Ministry of Education (MHRD)** in organising Faculty Development Programmes and Refresher Courses. We have organised two FDPs and one Refresher Course under this initiative.
- The College regularly partners with the three **Science Academies (IISc Bangalore, INSA New Delhi, NASI Allahabad)** in organising Refresher Courses for faculty. We have organised three Refresher Courses under this initiative.
- The college organises **programmes for faculty in academic collaboration with KSHCE** - three Faculty Development Programmes and one e-summer school for teachers were organised in the past five years.
- **Programmes for teaching staff organised by IQAC**: One Orientation Programme for newly appointed teaching staff was organised, with a structured syllabus containing 10 modules. The resource persons were members of our own faculty.
- **Spoken Tutorial Programme of IIT Bombay** and **Coursera** are accessible to teachers.

(c) for non-teaching staff:

- **Two Orientation Programmes** for newly appointed non teaching staff were organised by the **IQAC**, (05-09 November 2018 and 14-18 October 2019) with a well structured syllabus. Our members of the faculty were the resource persons.
- Trainings for laboratory assistants were organised under **DBT-STAR** College Scheme.

10.1.2.5 Knowledge books prepared and translated into Malayalam

The **Rev. George Mathen Publishing Academy** of the Department of Malayalam was inaugurated by Dr. Dharmaraj Adatt, Vice Chancellor of Sanskrit University, Kalady on June 18, 2018.

Rev. George Mathen was the pioneer of modern Malayalam prose literature, the first Malayalam language translator, the first Malayalee editor, an active participant in social renaissance, the first native of the Anglican Church, a polyglot, philosopher and author. The academy released the cover page of a journal in March 2021, the journal is deemed to be listed in the UGC Care List. A number of knowledge books have been published by the members of the faculty.

Given below are the details of the books published in Malayalam:

1. **'Shreshtaguru-Ananyakarmyogi' Part 1 & 2**, a festschrift on the Founder Principal was published by the Alumni Association.

2. **"Sahithya Vichinthanam"**, by Prof. Johnson Chemmanam, Associate Professor of Malayalam. This was the first book released by the Rev. George Mathen Publishing Academy.

3. **'Rev. George Mathen and Malayalam Grammar'**- (ISBN 978-81-200-4694-4) Dr. Sudha Mary Thomas is the General Editor and the book was published by the Kerala Bhasha Institute. Hon'ble Chief Minister Sri Pinarayi Vijayan released the book.

4. **"Eniyum Pambum"** written by Mrs.Sajini Deena Mathew, Assistant Professor of Malayalam and the book is published by Saikatham Books.

5. **"Malayalam Cyber Idavum Malayalam Bhavanayum"** by Dr. Saji Samuel. ISBN 978-81-9458271-3-1, Pavanathma Publishers, Kozhikode.

6. "**Kayyala**"(Poems) by Dr Saji Samuel. ISBN 978-93-88909-96-9, Pavanathma Publishers, Kozhikode.

7. **Adayalungal: Assannihitha Shareerangalude Edapedalukal: Cyberidavum Malayala Bhavanayum**; Atma Books; 2020 (ISBN 978-81-945827-3-1) by Dr. Sudha Mary Thomas

8. **Rev. George Mathanum Malayalavum: Vaaku Kothiya Vicharangal**; Pranatha Books; 2020 (ISBN 978-81-944183-8-2) by Dr. Sudha Mary Thomas

9. **Malayala Cherukadhayile Sthreepaksha Dalit Vayana: Bahuaakhyanangal Bahuswaravayanakal**; Vidhyarthi Publications; 2018. (ISBN 978-81-935689-9-6) by Dr. Sudha Mary Thomas

11. **Kalpanikathayude Adayalungal Keatsinte Archanakavyangalil: Kalpanikatha Vyakthikathayude Aalkoottavayanakal**; Sree Sankaracharya University of Sanskrit; 2019. (ISBN 978-81-941640-4-3) by Dr. Sudha Mary Thomas

12. **Koottam Thetti Menjavante Marana Mozhy- T,P, Kishorente Kathakale kurichoru Padanam, Sahitya Chakravalam**, October 2019 by K Rekha, Dept of Malayalam by Dr. Sudha Mary Thomas

13. **Madathaye Tharatte-T, Padmanabhan: Ezhuthum Jeevithavum**, Madhayamam, January 2019, by K Rekha, Dept of Malayalam.

14. **Angamaliyile Mangakariyum Villuvandiyum Mattu Kathakalum**. December 2020, by K Rekha, Dept of Malayalam.

10.1.2.6 Ecosystem developed by the institution for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

- The **Centre for Advanced Functional Materials (CAFM)** has been set up in the Department of Physics, which serves as an **incubation centre** for advanced research on fabrication of new devices for solar cells, nonlinear optics and pharmaceutical applications.
- **Centre for Nanoscience and Human Milk Research (CNHMR)** has been set in the Department of Chemistry which serves as an **incubation centre** for research on bioplastics, biopolymers and natural nanowhiskers.
- The initiative taken by the Department of English for the editing and publication of the 90th issue of the **UGC Care Journal, Littcrit**, An Indian Response to Literature (www.littcrit.org), (Issue 90, Vol 46, Number 2, December 2020, ISSN 0970-8049) contributed to the transfer of knowledge to the academia. It is a special edition on Marxism which is a compilation of papers presented in the three day International Conference on Marxism organised by the Department of English, in collaboration with the **KSHEC** from January 7-9, 2019.
- The **Rev. George Mathen Publishing Academy** provides an **ecosystem for research publications and creation of knowledge** in Malayalam.
- The **Memorandum of Understanding** with the Pushpagiri Research Centre promotes **innovative research** in the field of bio-medicine. A collaborative research project on 'Human Breast Milk Powder' funded by the Department of Biotechnology, Government of India is being conducted.
- The **DBT STAR College Scheme** of Rs. 33.5 lakhs has provided facilities and infrastructure for **innovative learning**, creating an **ecosystem for advanced knowledge sharing** at the

undergraduate level.

- The research and teaching learning facilities including smart rooms, computer centre and sophisticated instruments procured under the DST FIST scheme facilitates the creation and transfer of knowledge in an effective manner.
- Innovative programmes including Mushroom culture, Tissue culture, Aquaponics and Gene pool conservation are initiatives for dissemination of knowledge and societal benefit
- Coursera, Spoken Tutorial Programme of IIT Bombay and UGC Add-on courses and ASAP training offered by the institution, facilitate self development and employability skills among students.

10.1.2.7 Describe the details of incubation centre and evidence of its usage (activity) within a maximum of 500 words

Centre for Advanced Functional Materials (CAFM) is an **incubation centre** for advanced research in functional materials in the Department of Physics, sanctioned in 2011 as an approved Research Centre of University of Kerala. The facilities provided by the centre include sophisticated instruments for synthesis, design and characterisation of organic, inorganic and nano materials including RF Sputtering Unit, High Temperature Furnace, Hydrothermal furnace, Autoclave, UV Vis Spectrophotometer, Photoluminescence Spectrophotometer, TGA DTA DSC Apparatus, FT IR Spectrophotometer, WorkStation computers, Spin coater, etc. There are 11 research scholars pursuing PhD under the guidance of four University approved Research Guides. The Centre has been supported by the DST FIST scheme of Govt of India and KSCSTE SARD scheme of Govt of Kerala. On an average, 10 research papers are published yearly, in peer reviewed International journals, from the centre. The centre has three functional MoUs with reputed industries whereby resources are exchanged. Four Doctoral Degrees have been produced by the centre.

Centre for Nanoscience and Human Milk Research (CNHMR) is an incubation centre for advanced research in synthesis of Biocomposite Films, Nano materials and human milk powder, sanctioned in 2009 as an approved research centre under the University of Kerala. There are 6 research scholars pursuing PhD under the guidance of 4 University approved research guides. The centre has been supported by DST FIST scheme of Government of India. The research centre has to its credit two Indian patents. The centre has executed several major and minor research projects funded by DST, KSCSTE and UGC. It has conducted various collaborative research projects with reputed institutions like Pushpagiri Research Centre, Rajiv Gandhi Institute of Technology etc., The centre has 2 ongoing projects of 40 lakhs and 31 lakhs respectively, funded by the DST and DBT, Government of India. More than 120 publications have been produced in peer reviewed international journals from the centre till date. In addition, more than 40 book chapters and 5 books have been edited by the centre. The centre has produced 4 Doctoral degrees.

Installation of Mushroom Farm: The department of Zoology has set up “Mushroom Farm” on December 2nd 2019. Mushroom cultivation was installed by the Vice Principal, Prof. Anu Mathews. The first fruit from the farm was offered to Rev. George Jacob (Chaplain). The farm has since then been generating good income.

10.1.2.8 Measures taken for promoting cross disciplinary literacy

Activities specifically meant for promoting cross disciplinary literacy have been organized under various departments.

Given below is a list of activities aimed at ensuring cross disciplinary literacy among students and teachers .

1. The Open Course System in the Choice Based Credit and Semester System at the Undergraduate level gives opportunity for students to learn a course (58 hrs) outside their main stream of study.
2. Add On Courses and Certificate courses offered by the College are open to all the students.
3. Interdisciplinary lecture series was organized by the Department of English in September 2018. Dr. Jacob Chandy inaugurated the programme with a talk on "Disobedient Cells". ([Link to details](#)). Ms Susan George, Guest Lecturer, Dept of Malayalam conducted a talk on 'Mudiyettu' for the MA English students in 2019.
4. [Inter Departmental Competitions](#) including Painting, PowerPoint presentation, Poster Design, Quiz, Debates and various Club activities are conducted as part of the Department Associations.
5. The Interdisciplinary Research Committee promotes the Departments to undertake Major and Minor Research Projects as well as Student Research projects which have Interdisciplinary focus. The Instrumentation Facilities of the Research Centres are given a centralized access system, so that inter disciplinary research is facilitated. MSc projects are also promoted to have interdisciplinary studies sharing human resources as well as facilities among Departments.

Attachments for the metrics
Any additional information Patent Certificate Bishop Moore College Mavelikara.pdf

10.1.3 Promoting Scientific temper

10.1.3.1 Programmes organised for the fostering of scientific temper by the institutions. Details of syllabi prepared with a view to promote scientific temper

With a view to foster scientific temper among students variety of programmes are organised by Departments and Extension Clubs

The Science Club of the College organises National Science Day Celebrations, World Wetland Day Celebrations, Ozone Day Celebrations, World Environment Day Celebrations etc every year. International Year of Pulses was celebrated in the year of 2016. International Light Year Celebrations were held in 2021. A Talk on Carbon Neutrality was organised in 2015. ([Link: Science Club Activities](#))

The Science Department Associations are also there in the fore front in organising programmes fostering scientific temper among students and community including activities like Day Observations, Organizing Inter Collegiate Programmes, Exhibitions, Releasing Manuscripts, etc.

A few are listed below.

- As part of [Ozone Day Celebrations 2015](#), the Physics association conducted a variety of programmes from 14 to 18 September, 2015. Powerpoint presentation competition on the topic-“Ozone-All there is between you and UV” was conducted at the College and the intercollegiate level. On 16th September, Dr. M. S. Bindhu, Environmental and Safe Guard Specialist of Kerala Local Self Government, delivered an invited lecture on Preservation of Ozone Layer. Following the lecture, a documentary on “Ozone-All there is between You and UV” prepared by students were releases. A team of students visited 5 schools and

conducted awareness campaign on the need for Ozone Layer Protection with variety programmes including the video show, Skits and awareness lecture.

- The Department of Chemistry organized an exhibition "ATOMIA-2016" on 28th October 2016 as a part of the "International Mole Day" celebrations. A book on "Nobel Laureates in Chemistry (1901-2016)" and a revised "Lab Manual" were published by the Department during the inaugural function of ATOMIA 2016. The exhibition was divided into four sections- Chem Apps, Crafts Villa, Chem Theatre and Chemiland. More than 50 posters were exhibited. Students of the nearby schools visited the exhibition. Certificates and trophies were given for best posters, still models and working models.
- APJ Abdul Kalam's 87th birthday was commemorated by the Department Mathematics and Physics (Agni 2018), with photo and video exhibitions for the college students and also for the school students in the local community.
- Release of Manuscripts: "AI- the Future of Everything", "Dreams-2015", "REFLECTIONS 2016" are a few.

A session for Interaction with Eminent Scientists and students are arranged as part of all the International/National Conferences and Invited Talks arranged by the College. Prof. Young Me Jung (Korea), Dr. M. C. Dathan (Scientific Advisor, CM, Kerala), Prof. Chandrabhas Narayana (Director, RGCB & JNCASR, Bangalore), Dr. Mahesh Hariharan, Dr. Vinesh Vijayan (IISER, Tvpm), Dr. Reji Philip (Raman Research Institute, Bangalore), Dr. Yoosaf Karuvath, Dr. Sinoy Thomas, Dr. Karunakaran Venugopal (CSIR-NIIST, Tvpm), Prof. Ramesh Babu, Dr. M. K. Jayaraj (CUSAT) and Dr. P.M. Aneesh (Central University Kasargod), Dr. S.V. M. Sathanarayana (Pondicherry Central University), Prof. M. Lakshmanan (Bharathidasan University Tiruchirappally) and Prof. B. Sathiapalan (IIMSc, Chennai) are a few among them.

Apart from these Activities, the programmes that foster scientific temper among students, teachers and community can be grouped as follow

1. DBT STAR COLLEGE ACTIVITIES

2. INVITED TALKS

3. REFRESHER COURSES/ FACULTY DEVELOPMENT PROGRAMMES

4. NATIONAL CONFERENCES/SEMINARS/WORKSHOPS

10.1.3.2 Use of texts, books, Journals and articles reflective of scientific temper

- The PG students and research scholars of PG and Research departments are given free access to Inlibnet Journals.
- The PG Science Departments have a separate Department library, so that students of these departments can have easy access to the books in their subject.
- The monthly bulletin of Indian Academy of Physics teachers is circulated among students.
- The Department library is easily accessible to students.
- Physics Association every year prepares a magazine on any scientific topic and circulates among students. The latest manuscript released by the Physics Association was on the topic, "Artificial Intelligence-the Future of Everything" in 2020. The manuscript consisted of around 24 articles on AI, 32 articles on Robotics and 10 articles on Machine Learning prepared by the students. In the previous years the manuscripts named "DREAMS", "REFLECTIONS" and "RESONANCE" were released.
- Research scholars are motivated to do review of presentation on latest journal publications.
- In 2016 the Chemistry Association prepared a book on "Nobel Lauretes in Chemistry(1901 -2016)" and a revised "Lab Manual"
- In 2018 the Chemistry Association prepared a periodic table (MOSEDEDOLAND) (framed by B.Sc and M.Sc students) showcasing the applications of 118 elements in different fields .

- Preparation of Lab Manual: In 2018, the Departments of Chemistry, Physics, Zoology, Botany and Biotechnology prepared a lab manual containing the detailed Experimental Set up, theory and procedure of all the newly introduced Laboratory experiments under the DBT STAR College Scheme of the Govt of India. The lab manuals are kept as reference for the distributed among all the final year Degree students of the respective Departments.
- A magazine "Harithaspandanam" was prepared by the nature club with articles containing importance of nature conservation.

10.1.3.3 What are the steps taken to use Malayalam as a medium for knowledge dissemination for inculcating scientific temper in the institution/community/society

The following Programmes were organized using Malayalam as a medium for knowledge dissemination:

- 08 Nov 2019: "**Shasthrajalakam**"- Science enrichment programme of State Institute of Education Technology, Government of Kerala, hosted by Department of Chemistry, Bishop Moore College from 8-10 November 2019, was inaugurated by Prof. S. Sivadas, Chief Editor, Labour India Publications. Prof. Javeesh Alex (Assistant Professor, Dept of Physics) and Dr. Lynnette Joseph (Assistant Professor Department of Physics) led the Physics classes on the first day. Hands on session for students on various Physics experiments were held <http://bishopmoorecollege.org/gallery/?album=7554>
- **Programme for the Promotion of Excellence among Gifted Children of Mavelikara** Educational District: The Department of Chemistry, Physics, Botany & Biotechnology and Zoology became a part of Programme for the Promotion of Excellence among Gifted Children of Mavelikara Educational District, organized jointly by the Science Departments of Bishop Moore College. 60 talented students from Mavelikara Educational District, belonging to VIth and IXth standards participated in the programme, which included an introduction to the world of Science Experiments by Dr. Lynnette Joseph and visits to the various science laboratories of the college. <http://bishopmoorecollege.org/gallery/?album=8132>
- As part of Ozone Day Celebrations 2015, a documentary on "Ozone-All there is between You and UV" prepared by students in Malayalam. A team of students visited 5 schools and conducted awareness campaign on the need for Ozone Layer Protection with variety programmes including the video show, Skits and awareness lecture. All the programmes were organized in Malayalam.
- A hands-on training session was held on 09 January 2020, for the Kudumbashree members, in association with the Thazhakara grama panchayat. This session was led by Dr. Prakash.G. Williams (Co-ordinator, Bhoomithrasena Club, Bishop Moore College, Mavelikara) as part of the National Seminar on Scientific Solutions for Sustainable Rebuilding of Kerala in the Post Flood Scenario. <http://bishopmoorecollege.org/gallery/?album=7925>
- Dr. Dinesh V (Associate Professor in Sanskrit, Department of Malayalam) is an active volunteer of English/Malayalam/Sanskrit wikipedia. He has edited around 2000 articles.

10.1.3.4 Participation of students and faculty in programmes outside the institution for promoting scientific temper

Apart from attending and presenting papers in National Conferences, the faculty participated in various programmes outside the institution in the state, national as well as International level.

Details of some of the International and National participations are given below:

- Six faculty members of the Department of Physics attended the International Conference on Materials for Advanced Technologies ICMAT-2017 at Singapore during 18-23 June 2017. Four Research papers from the Physics Research Centre of the college were presented in the conference.
- Dr Lynnette Joseph attended the midyear annual meet of the Indian Academy of Sciences during 3rd and 4th July 2015 at the Indian Institute of Science, Bangalore
- Dr Lynnette Joseph attended the Faculty development workshop on teaching and learning of Functional Devices and Materials through Hands on Experience (TLFMD-2020), NIT, Warangal during 09-14 March 2020
- Dr Jerin Susan John attended the University and PG College MSc Teachers Training Program in Physics, Centre for Excellence in Science and Mathematics Education, IISc, Challakere Campus at Kudapura during 07-27 June 2018
- Dr Arun Aravind attended the DST-SERB School on "Advanced Functional Materials at Nano and Atomic Scale", IIT Goa during 10 – 28 February 2020
- Dr Arun Aravind attended the Refresher Course on "Degree College Teachers Training Program in Physics", Talent development Centre, IISc Challakere Campus at Kudapura, 22 November – 12 December 2018
- Mrs Linda E Jacob attended a workshop organized jointly by FCBS, Trivandrum and JNCASR, Bangalore from 13-10-2016 to 15-10-2016 at Hotel Residency Tower, Trivandrum.
- Mrs Siji K Mary & Mrs Rekha Rose Koshy participated at the International Conference on Advances in Polymer Science and Technology held in New Delhi from 23rd to 25th Nov 2017.
- Dr Prakash G. Williams attended a two day National Workshop on Next Generation Sequencing Data Analysis on 28&29th, January, 2016 in Manonmaniam Sundaranar University, Tirunelveli

10.1.3.5 Articles published by students and faculty for promoting scientific temper

Apart from over 100 publications by faculty in the last five years, students have also published various articles in journals of repute.

Given below the details of student projects published:

1. Anjana P, student of MSc Physics, under the guidance of Dr. Lija K. Joy (Assistant Professor, Department of Chemistry) published her project work in "Journal of Alloys and Compounds" with impact factor 4.65

https://mjl.clarivate.com:/search-results?issn=0925-8388&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal

2. MSc Physics student Jintu Elizabeth Varghese, under the guidance of Dr. Lynnette Joseph (Assistant Professor, Department of Physics) published her project work in Chemical Physics Letters with impact factor 2.02

<https://doi.org/10.1016/j.cplett.2020.138014>

<https://doi.org/10.1016/j.jallcom.2020.155758>

3. Student Research Project entitled "nonlinear optical and photocatalytic dye degradation of Co doped CeO₂ nanostructures synthesized through a modified combustion technique" of Ms. Stephy Elizabeth George (MSc Physics) under the guidance of Dr. D. Sajan, gets accepted for publication in the Ceramics International Journal with impact factor 3.45

<https://doi.org/10.1016/j.ceramint.2020.02.189>

4. Jomol Daniel, Jijo Thomas Koshy of MSc Analytical Chemistry, under the guidance of Siji K. Mary (Assistant Professor, Department of Chemistry), has published their MSc Project work in RSC Advances with impact factor 3.07

<https://pubs.rsc.org/en/content/articlelanding/2020/ra/d0ra05986b#!divAbstract>

5. Neethu Mathew and Megha S. Nath of MSc Analytical Chemistry under the guidance of Dr. Deepa Thomas (Assistant Professor, Department of Chemistry) has published their MSc Project work in International Journal of Biological Macromolecules with impact factor 5.178

<https://doi.org/10.1016/j.ijbiomac.2020.12.227>

6. Jijo Thomas Koshy, student of MSc Analytical Chemistry, has published her MSc Project work in the journal, "Food Control" under the guidance of Rekha Rose Koshy (Assistant Professor, Department of Chemistry) with impact factor 4.258

<https://doi.org/10.1016/j.foodcont.2021.108039>

7. Megha S. Nath and Neethu Koshy, students of MSc Analytical Chemistry, under the guidance of Dr. Deepa Thomas (Assistant Professor, Department of Chemistry) has published their MSc Project work in the "Journal of Drug Delivery Science and Technology" with impact factor 2.71

<https://doi.org/10.1016/j.jddst.2020.101894>

8. Nayana G. Sivan and Shibina S.K., students of MSc Analytical Chemistry under the guidance of Rekha Rose Koshy (Assistant Professor, Department of Chemistry) published their MSc Project work in the journal "Frontiers in Chemistry " with impact factor 3.994

<https://doi.org/10.1039/C9QM00431A>

9. Sajitha S. Jayan, student of MSc Analytical Chemistry, under the guidance of Dr. Abha K., (Assistant Professor, Department of Chemistry) published her MSc project work in "Materials Today Proceedings" with impact factor 0.97

<https://www.researchgate.net/deref/http%3A%2F%2Fdx.doi.org%2F10.1016%2Fj.matpr.2020.11.417>

10. Vindhya P. S. (MSc Physics, 2016), published a book chapter in the ebook titled "Methodologies and Applications for Analytical and Physical Chemistry" published by CRC Press with [ISBN 9781315159539](https://doi.org/10.1016/j.matpr.2020.11.417)

The details of publications by faculty is provided

at <https://drive.google.com/file/d/17bP8nf7GQhX91aV2b0d2VqwRiyHQ3xTa/view?usp=sharing>

Attachments for the metrics
Any additional information 10.3_Publications.xlsx

10.2 Social Participation

10.2.1 Socialization of knowledge and linkage with society

10.2.1.1 Measures taken for the socialization of knowledge and linkage with society and local self governments (LSG)

Kerala faced devastating floods in August 2018 and areas near the College were also affected. As part of our commitment, an assessment of Quality of Water after the floods from flood affected nearby villages was done By Pollution Control Board on 13-10-2018. The water samples were collected by students making field trips to the affected areas.

'Shasthrajalakam' was organised, which is a three day science enrichment programme for High School level Government/Aided students, sponsored by the State Institute of Education Technology(SIET), from 8th -10th November 2019

Programme for the promotion of excellence of Gifted Children in Mavelikara Education District was organised on 15th February 2020 in association with the State Institute of Education Technology, Government of Kerala

National Seminar on Scientific Solutions for Sustainable Rebuilding of Kerala in the Post Flood Scenario was organized by the Department of Physics, IQAC and DBT STAR College Scheme in association with Directorate of Environment & Climate Change (DoECC),Govt. of Kerala during 9-10 January 2020. The seminar was inaugurated by Dr. M. C. Dathan , Scientific Advisor to the Chief Minister of Kerala. Smt. Medha Patkar, founder member of Narmada Bachao Andolan delivered the keynote speech.

Bhoomithrasena club organised a training programme on 'Paper Bag Making' for the Kudumbasree members.

The college is a recognized Social Entrepreneurship, Swachata & Rural Engagement Cell (SES RC) of the Mahatma Gandhi National Council for Rural Education(MGNCRE), Ministry of Education, Govt. of India. The Committee of the college monitors and plans activities in the campus related to Waste Management, maintaining the green campus of the college, rain water harvesting and solar energy harvesting, post covid hygiene etc. The college was awarded the One District, One Green Champions Award recently by the MGNCRE, Govt, of India.

The College has adopted five villages under the Unnath Bharath Abhiyan scheme of the Government of India. Sanitizers and masks were provided in the wake of the pandemic. It was handed over to the Mavelikara Municipal Chairperson.

During the Covid 19 pandemic the Institution used its Chemical laboratory to prepare Sanitisers to distribute it among the society, especially the District Hospital, District Jail, Railway Station, Police Station and other public places.

10.2.1.2 Details of Social entrepreneurship developed to resolve the problems of the state/local community

Installation of Mushroom Farm: The department of Zoology has set up "Mushroom Farm" on December 2nd 2019. Mushroom cultivation was installed by the Vice Principal, Prof. Anu Mathews. The first fruit from the farm was offered to Rev. George Jacob (Chaplain). The farm has since then been generating good income.

The Water Harvesting System, Rain Pits and the green campus are good models facilitating the water supply in the college campus, thereby making water available throughout the year, as a result of rainwater harvesting and water recharge. Two rainwater harvesting tanks are set up in the campus. Soak pits are provided around the buildings to harvest rainwater. The ground water

recharging system ensures a steady level of water in the wells in the locality. The vegetation cover prevents erosion of topsoil, keeping the land fertile.

A training on Mushroom cultivation and marketing was conducted in the College auditorium on 24th January, 2020 in association with the Department of Zoology. The programme aimed to attract student entrepreneurs into mushroom farming. About 100 students, teachers and parents participated in the training. Smt. Leenarani, a Karshakasree awardee and one of the master trainers from the Krishi Vigjan Kendra, Alapuzha lead the training programme. The faculty, staff and students had a hands-on training session during the programme.

A waste management plant was constructed in the college with the financial support from the Thazhakkara Grama Panchayath to convert bio-waste into manure.

The Departments of Botany, Biotechnology and Chemistry do assessment of the quality of drinking water in the locality of Kallumala.

Attachments for the metrics

Any additional information

10.2.2 Fostering Social responsibility and community engagement

10.2.2.1 Describe the details of course provided in community engagement for appreciation of rural field realities (examples of community engagement), a new compulsory course

Name of Course	Course Code
Ecology, Ethology, Evolution and Zoogeography	ZO1642
Ecology, Habitat Destruction and Disaster Management	ZO1441
Indian Economy	EC1544
Environment Economics and Disaster Management	EC1644
Human Resource Management	EC1551. 2
Womens writing	EN1644
Environmental Studies and Disaster Management	EN1211.1
ENERGY PHYSICS	PY1551.5
Statistical Mechanics, Research Methodology and Disaster Management	PY1542
Digital Electron ics & Computer Science	PY1644

10.2.2.2 Modification of existing course and curriculum for fostering community engagement and social responsibility

The University regulations do not allow the modification of the courses offered. The possible modification done by teachers is through innovative delivery of the content in classrooms, keeping the society in mind.

The projects given to students aim at inculcating them to be socially relevant and to create a generation that fosters community values within them.

Centre for Nanosciences and Human Breast Milk Research of the Institute, in collaboration with Pushpagiri Institute of Medical Sciences, Tiruvalla, is involved in the development of India's first human milk fortifier for preterm infants. The fortifier will play a vital role in reducing the neonatal mortality which is significantly high in India due to the increasing number of preterm births. The fortifier can be used to supplement and enrich the donor's milk by meeting the necessary nutritional requirement of preterm infants.

Centre for Advanced Functional Materials, conducts research in the field of material sciences and plays a major role in the development of advanced functional materials for various industrial and pharmaceutical applications including optical communication devices, solar cell applications, etc.

The institution aims to help the underprivileged and downtrodden by giving them equal opportunities. Imparting education to the marginalized is of the mission statements of the college.

The college offers a platform for activities like Unnath Bharath Abhiyan, NSS/NCC, flood relief etc., to extend support to people who are in need. Unnath Bharath Abhiyan : Bishop Moore College is a part of Unnat Bharat Abhiyan, an initiative of the Ministry of Education, inspired by the vision of transformational change in rural development processes.

NSS/NCC Activities :They try to awaken the social consciousness of the students by providing them opportunities to work with and among the people. The activities include Flash Mobs (Awareness of Road Safety, Women Security), Blood donation, Food packet distribution for the needy, Visiting of Orphanages, Old age homes, palliative care centres, Cleaning Programmes for the public in various places like the District Court, Railway Station premises and nearby water bodies.

Flood Relief Activities:The staff and students were actively involved in flood relief activities at Chengannur and Mavelikara, offering help in the evacuation of people from affected areas, locating and directing the rescue teams to the needy, giving necessary food, clothes and other items to relief camps, etc.,from 9-16 August 2019.

The Student House Project - The construction of the flood resistant house for a needy student was undertaken and completed as part of the College Flood Relief Activities, in collaboration with the Grama Panchayat and the Kuwait Chapter of the Alumni Association.

10.2.2.3 Examples of new audit courses

The college is not offering any audit courses.

10.2.2.4 Research in partnership with local community

- **A survey was conducted in Price collection** in the local Kallumala Market in the year 2017 to study the movements in the prices of consumer goods and services under the auspices of the Economic Forum and the Department of Economics. The prices of groceries were collected every week on the market day and recorded, thus enabling the students to study the movement of the Consumer Price Index(CPI).
- **Financial Literacy Mission:** A study was organised to find out the level of awareness on financial literacy and competency among 50 samples each from among 42 sub groups (house wives, electricians, plumbers, bank employees, doctors, nurses, sale man, business man, teachers, etc) in the community, in the year 2019. The study revealed that except for the chartered accountants who were 100% literate, all other groups lacked significantly in financial literacy and competency.
- **Survey on Water and Soil Quality:** The members of Nature Club prepared a questionnaire for gathering information regarding the existing scenario of water and soil in Mavelikara Taluk. The survey was conducted in eight panchayaths of Mavelikara Taluk during the last week of December 2015.
- **Project on 'The Problems of Women in Rural Areas':** The women students were given a project to identify the problems of women belonging to the rural background. They identified the need for women to be economically independent and pointed out the need for a stable income and a job. The unit unanimously decided to complete the PSC registration process of all its members at the earliest. In order to assist the students to crack the PSC exam, the unit decided to discuss 25 model PSC questions every week. The projects also identified that

there is an urgent need to enhance the English communications skills of the women candidates. It was decided that all the unit members should try to communicate in English

Attachments for the metrics

Any additional information

10.2.3 Participation in National and State level Missions

10.2.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non-Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years (year wise)

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
25	24	22	31	26

10.2.3.2 Total number of Students participating in extension activities with Government Organization, Non-Government Organizations and Programmes in the areas of Cleanliness , AIDs awareness, Gender issue, Environmental stability etc. during last five years(year wise)

2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
725	722	842	753	756

10.2.3.3 Contribution of students and staff to attain Sustainable Development Goals (SDG) over the last five years. Describe in maximum 500 words

- [Plastic free Campus](#) - Members of the Extension Clubs of the College took part in a campus cleaning project on 16 December 2016.
- The Environment Club organized an essay writing competition for college students on 2 February 2017, on the topic [oil and natural gas conservation](#) to bring awareness among students. The event was sponsored by BPCL, Kochi.
- [World Wetland Day](#) was celebrated by the Science club in association with the Botany and Biotechnology Department, Zoology department and Nature Club from 2nd to 9th February 2017. As part of the programmes lectures, inter collegiate painting and power point competitions and video shows were organized.
- Environment club members conducted an [oil conservation pledge and a quiz programme](#) on 8 March 2017
- Bishop Moore College won the [Bhoomithrasena Award](#) for the best unit 2016 – 2017 from the Directorate of Environment and Climate change, Govt. of Kerala.
- 31 Jan - 05 Feb 2019: [World Wetland day Celebrations](#) under the auspices of Bhoomithrasena, Science Club and Various Department was organized. Lectures, quiz programmes and video presentations were conducted as part of the celebrations.
- "[Beat the Plastic](#)" a one day training programme for making carry bags and envelopes from used paper was organised by Bhoomithrasena club on 21st February 2019.
- [Bhoomimithrasena](#) of Bishop Moore College won the Best Unit Award from the Environment and Climate change Directorate, Kerala Government on 19 March 2019. It was in appreciation of work done in cre
- [Nature Conservation Programme](#) organised by the NSS units of the College on 26/07/2019. Eco Friendly Paper Pens crafted by the NSS volunteers of the College was released. The pens would be sold/distributed by the volunteers as a part of the sensitisation programme.
- [Training on Paper Bag Making](#) was organised by the Bhoomithrasena Cell on 9 Dec 2019. Carry bags were made by the Bhoomithra members to be sold to the local shops. They also purchased 100 steel plates, tea cups, ice cream bowls/payasam bowls to be used in all programmes organized by various Departments/Clubs of the college.

10.2.3.4 Participation of students/teachers in archaeological excavation sites or any other relevant and similar activities. Describe in maximum 500 words

No such activities have been undertaken by students.

Attachments for the metrics

Any additional information

10.2.4 Participation in Environmental Management/Disaster Management/Other Related Activities

10.2.4.1 - Institutional response to natural disaster / calamities over the last five years. Describe in maximum 500 words

Kerala faced devastating floods in August 2018 and areas nearby college was also affected. As part of our commitment the college actively involved in the flood relief activities of the college.

- A team of teachers headed by the Principal visited the homes of students affected by flood. It was identified that one of our students was drastically affected by the flood that he literally lost his home. The Staff and students decided to build a flood resistant home for him. The house project was completed in March 2021, through donations from students, teachers and well-wishers **and the key was handed over to him and his parents by the Manager of the college and Bishop of CSI Madhya Kerala Diocese**
- Twenty-seven students were identified to be severely affected by the disaster. After evaluating the extent of loss occurred to each of them, financial assistance of Rs. 50000/- each provided to 2 among them, Rs. 25000/- each for five students and Rs. 5000/- each to the remaining 20 students. The financial assistance was handed over by the Manager of the College on the Thanksgiving Day of the College
- 100 bedsheets were distributed to the nearest flood relief camp by staff
- NSS took part in flood relief activities including cleaning affected places and donations in the form of food, clothes and medicines.
- Teachers and students took part in rescue operations of isolated people in the flood affected areas
- A national Seminar was organized in January 2020 to discuss on the Scientific Solutions to Sustainable Rebuilding of Kerala in the Post Flood Scenario. The seminar had around 50 participants from among the local community in which Dr. M.C. Dathan, Scientific Advisor to Chief Minister of Kerala delivered key note address making the participants aware of the need for conserving the natural ecosystem or re-creating artificially in another location the damage happened to the eco system due to developmental policies.

10.2.4.2 Participation of students and staff in mitigating natural calamities over the last five years. Describe in maximum 500 words

- The College functioned as a relief camp for two weeks during the floods of 2018.
- The College managed a collection centre for relief supplies. The staff and students were actively involved in flood relief activities at Chengannur and Mavelikara, offering help in the evacuation of people from affected areas, locating and directing the rescue teams to the needy, giving necessary food, clothes and other items to relief camps, etc., from 9-16 August 2019.
- NSS Volunteers distributed Medical kits at Kainakari in Kuttanad on 18/08/2018, after the floods. The volunteers became a part of a flood relief cleaning programme called 'Cleaning Pandanad', a mission organized by the Southern Railway at Pandanad region, Chengannur on 28/08/2018.
- **Cleaning Pandanad Programme**: A programme was conducted at the pandanad region in

chengannur. This was a cleaning programme which was organized by southern railway in accordance with flood relief. N S S volunteers actively participated in this cleaning programme.

- [A seminar on 'Well Water Cleaning'](#) was conducted by the NSS Unit of the college on 06/09/2018. The seminar was led by officials from Swachata Mission & Health mission. The volunteers took initiative to clean the well water of flood affected areas.
- NSS unit conducted a [survey of well water at Thalavady Panchayath](#), on 08/09/2018.
- [A flood relief survey](#) was conducted by the NSS Volunteers at the Mavelikkara Municipality on 29/9/2018.
- The NSS unit of the college conducted a [seminar on 'Disaster Management'](#) on 1/08/2018.
- A number of projects on the analysis of quality of water in rivers, ponds and wells of flood affected areas were conducted by the staff and students of various departments (2017-2019)
- A national Seminar was organized in January 2020 to discuss on the [Scientific Solutions to Sustainable Rebuilding of Kerala in the Post Flood Scenario](#). The seminar had around 50 participants from among the local community in which Dr. M.C. Dathan, Scientific Advisor to Cheif Minister of Kerala delivered key note address making the participants aware of the need for conserving the natural ecosystem or re-creating artificially in another location the damage happened to the eco system due to developmental policies.

10.2.4.3 Participation of staff and students in preserving the environmental resources such as rivers/lakes/ponds rejuvenation, preserving bio-diversity (preservation of mangroves), water shed management etc. over the last five years. Describe in maximum 500 words

- On 8th December 2016, NSS volunteers participated in the [cleaning programme of Vennoor pond](#), near Mavelikara Railway Station as a part of Haritha Keralam Project, an initiative of Govt. of Kerala. Smt. Leela Abhilash, Municipal Chairperson of Mavelikara inaugurated the mission.
- [Ecogarden \('Shantisthal'\)](#), constructed by Bhoomithrasena, is a haven for the conservation of endangered plants.
- [A Greenhouse](#), for protecting and conserving plants, is maintained by the Department of Botany and Biotechnology.
- [MIGPC, Moore Initiative for Gene Pool Conservation](#), was inaugurated on 18 November 2017. Various projects on biodiversity preservation were conducted by the staff and students.
- Numerous projects on water quality analysis of rivers, ponds and lakes were conducted by staff and students, in order to study the preservation of environmental resources.
- A Rainwater harvesting system is maintained in the College campus, for collecting and storing rainwater from the rooftop and the terrace. The system includes a storage tank with a capacity of 30,000 litres. The stored water is used judiciously in the College Campus itself for irrigating agriculture gardens, for use in toilets etc.
- "Mazhakkuzhi"(Recharge pit) is an in-situ method of rain water conservation and allows the rainwater to refill ground water table. There are many 'Mazhakkuzhi' constructed across the College campus to recharge ground water.

Attachments for the metrics

Any additional information

10.3 Strengthening and Promoting Secular Outlook/Constitutional values

10.3.1 Promoting Secular Outlook Values

10.3.1.1 Programmes organised for the promotion of secular outlook by the institutions. Details of syllabi prepared with a view to promote secular outlook.

- The NSS unit conducted a [debate on the topic 'Religion and Human Rights'](#) on 28/11/2019, in which students and teachers participated actively.
- The staff of the college took the [QUAMI EKTA pledge](#) in the Principal's office as part of National Integration week celebration with a view to foster and reinforce the spirit of Communal Harmony and National Integration. (20/11/2019)
- [OBSERVANCE OF RASHTRIYA EKTA DIVAS \(NATIONAL UNITY DAY\)](#): 31st October is celebrated as the National Unity Day in commemoration of the Birth anniversary of Sardar Vallabhai Patel every year by National Service Scheme. In 2015, on the day, Ms. Saritha G., Former NSS volunteer secretary delivered a talk on the importance of National Unity. NSS volunteers also took an oath in connection with Rashtriya Ekta Divas. The function was conducted in the afternoon session after the Legal studies class. Every year on the Unity Day volunteer takes pledge on maintaining and propagating unity despite caste, creed or religion.

10.3.1.2 Use of texts, books, Journals and articles reflective of secular outlook.

Bishop Moore College library is one of the largest libraries in Central Travancore not in terms of size but for its diversity and interdisciplinary nature. We have more than 50000 books from philosophy to artificial intelligence and from ethics to metallurgy. Over the years, we have been successful in striking a balance between the different branches of knowledge- humanities, social sciences and natural sciences.

Going by the theme of secularism, we have a number of books which uphold the spirit of the Constitution. Books by our national leaders such as Nehru, Gandhi, Ambedkar find a special mention. Also books by constitutional experts like Dr Durga Das Gupta, Prof N R Madhavan, Justice V R Krishna Iyer are deliberately put up for circulation to inculcate theoretical understanding of secularism. Every year, we update the registry of Political Science, Public Administration and Indian Polity with recent books, mostly dealing with the crisis and challenges of the Indian democracy and the threat to its constitutional value. Books by Romila Thapar, Bipin Chandra, Ramachandra Guha, D N Jha, K M Panicker etc also reflect the secular outlook and promotion of constitutional values.

We also subscribe to more than 25 magazines and journals for a thorough understanding of the current social, political, economical and cultural developments in and around our state and country which enables us to keep tabs on current developments.

Magazines like the Frontline, Economic and the Political Weekly of India stand apart. Their adherence to secularism and constitutional values is incredible and impeccable. Magazines like Mathrubhumi, Kalakaumudi, Bhashaposhini and Madhyamam in the regional language are worthy of note.

10.3.1.3 Participation of students and faculty in programmes outside the institution for promoting constitutional values

The details of participation of NCC cadets in other countries and states for promoting constitutional values during the last five years are given below.

The NCC cadets represented Kerala state in the following NIC and SNIC's :

- NIC KARNATAKA Arya Divakaran , Susmitha Suman
- NIC ALAPUZHA Clinda Mary D'Cruz , Manjusha S, Megha Mohan,Lakshmi R Pillai
- NIC KOZHIKODE Gopika Bose , Aswathy S
- NIC CHENNAI Aswathy S , Joby J
- NIC LAKSHADWEEP Anjali Pushpan
- SNIC PORTBLAIR Heera S
- SNIC LEH(KASHMIR) Clinda Mary D'Cruz
- SNIC NARMADA Sanil M Jacob

Other participations are listed below:

1. Gopika Bose participated in Advanced Leadership Camp West Bengal.
2. 11 cadets participated in the Army Attachment Camp held in attachment with Madras regiment in February 2016 in Pangode
3. Gayathri S had the privilege to march on Rajpath for the Republic Day March in New Delhi.
4. Youth Exchange Programme (YEP) is conducted among nations. Gayathri S participated in YEP Russia
5. Surabhi Suresh participated in Moulankar Shooting Camp,West Bengal
6. Arya Muraleedharan participated in Trekking Camp in Uttarkashi, 2016.
7. 4 cadets represented their groups in Inter Group Competition held in accordance with RDC and TSC
8. Anjaly Mariam George represented Kerala in attachment training with OTA Gwalior 2016
9. Arya Muraleedharan participated in Trekking Camp, Uttarkashi, 2016.
10. Miss. Megha Mohanan – S5 Mathematics attended the Para Basic Course Sep 2017 Camp conducted by NCC held at PTS, Agra from 01 September to 22 September, 2017
11. 3cadets participated NIC at Alappuzha
12. Cdt Aparna SUO Akhila S Pillai participated in Special NIC Ladak, Rock climbing training camp Gwalior, PreRD-3 at Calicut.
13. Sgt Keerthi Krishna participated in EBSB at Aurangabad and also in the Pre-RD.
14. JUO Asna Nizar represented Kerala Directorate and participated in the Mavlankar shooting competition held at Gujarat and was also awarded with the Chief Minister's best cadet award of 2019-2020. She attended Army Attachment Camp at Bangalore. She represented Kerala & Lakshadweep Directorate and participated in the Thal Saianik Camp at Delhi.
15. SUO Maya A attended the rock-climbing training camp at Gwalior and TSC IGC at Calicut.
16. Cdt Jestina Kunjumon attended the Mount Everest Expedition Screening Camp at Bangalore.
17. JUO Nayna Vittal Das attended the PreRD 2 and EBSB at Thrissur.
18. Sgt Nandana represented Kerala and Lakshadweep and participated in the EBSB camp held at Delhi and in the Pre-RD -2.
19. Sgt. Amrutha M attended EBSB held at Thrissur and Pre RD -1
20. Sgt. Athira Abraham attended Pre-TSC and EBSB held at Udaipur.
21. Cpl. Keerthi Krishna S attended EBSB held at Bharathpur.
22. Cpl. Niya Nazeer attended EBSB held at Leh.
23. Cpl. Vrinda B attended EBSB held at Udaipur.
24. Cpl. Aryamol K S, Ankitha R Nair and Aparna A S attended EBSB held at Kasaragod.
25. Arya Divakaran attended Basic Leadership Camp Ernakulam
26. Vimal O., participated in the National Integration Camp conducted at Kuttikkanam from 21-02-2020 to 27-02-2020

Participation of faculty are listed below:

- Dr Nair Anup Chandrasekharan served as a Moderator and a Language Expert for the “Festival of Democracy’ celebrations from 23rd to 25th February, 2019 at the Legislature Complex, Thiruvananthapuram.

10.3.1.4 Articles published by students and faculty for promoting constitutional values

- The college magazine "Vidyasarith", published annually documents a good number of articles promoting constitutional values, by the staff and students of the college.
- Students make use of the wall journal "Parietal Reflections", maintained by the Department of English on which articles promoting social and constitutional values are published by staff and students.

10.3.1.5 Steps taken to popularize constitutional values

All national days including Independence Day and Republic Day are celebrated gloriously in the college campus. On these days, the College Principal hoists the National Flag and gives a message to the staff and students about the importance of The Constitution of India and the transition of the country from a Colony to a Sovereign, Socialist, Secular and Democratic Republic.

LEGAL STUDIES CLASS : Awareness class on legal studies was conducted at the college auditorium from 9.30am to 12.30pm on 31/10/2015 . Advocate Unnithan from Mavelikara Court took the class. He gave an awareness on the importance of various laws constituted by our government. The volunteers were also issued with a booklet of laws. Various topics like child labour, marriage laws, cybercrimes etc. were discussed during the class.

Given below the details of Day Observations:

Srl No	Day Observations	Name of Event	Date of Event	Dept/Club	Link to Photos
1	Independence Day 2016	Dr. Sabu George and he gave a talk on the importance of national unity and talked on how to balance rights and duties.	15.08.2016	NSS	https://docs.google.com/document/d/1hUQscqTbOhkEn_Yr9XDdb3ktd0VzUej2/edit#bookmark=id.dzntg151kja
2	Republic Day	Prof. V. I. Johnson delivered a message	26.01.2017	NSS & NCC	http://bishopmoodrecollege.org/gallery/?album=3012
3	Independence Day	An awareness class on 'Importance on National Unity' was led by Prof. Jils Varghese	15.08.2017	NSS & NCC	https://docs.google.com/document/d/1NAIf9hfOZe-uoO8KsmMyjupJqzXBbXO1/edit#bookmark=id.jldi0den9zqk
4	Republic Day 2018	An awareness class on 'Importance on National Unity' was led by Prof.	26.01.2018	NSS	https://docs.google.com/document/d/1NAIf9hfOZe-uoO8KsmMyjupJqzXBbXO1/e

		Anjali Susan Ninan			dit#bookmark=id_sj2868tb1ptu
5	Republic Day	Republic Day Celebrations	26.01.2019	NSS & NCC	http://bishopmoorecollege.org/gallery/?album=6786
6	Republic Day	As a part of Republic Day Celebrations, NSS Volunteers visited residence of late Lt Saik Sam Abraham	26.01.2020	NSS Unit	http://bishopmoorecollege.org/gallery/?album=7979
7	Independence Day	Independence Day Celebrations	15.08.2020	NSS & NCC	http://bishopmoorecollege.org/gallery/?album=8679
8	Republic Day	NSS organised Republic Day Celebrations Online on Google Meet	26.01.2021	NSS Unit	http://bishopmoorecollege.org/gallery/?album=9264
9	Central Excise Day	NSS organises Central Excise Day Celebration (Online)	24.02.2021	NSS Unit	http://bishopmoorecollege.org/gallery/?album=9528

Attachments for the metrics

Any additional information

Other Information and Conclusion

In Consummation...!

The details provided thus encapsulate the fact that Bishop Moore College has not just sustained its tradition of all round excellence during the five years in question but has managed to up the bar by several notches on myriad fronts. These five years have seen the College leapfrog into the position of one of the 100 best Colleges of the country in the NIRF ratings and score an "A" grade in the NAAC ranking. It is a proud fact that it has DST-FIST, DBT-STAR and KSCSTE SARD funded Science Departments and vibrant Commerce and

Humanities Departments. Consistent academic excellence has been the forte of this College, which though situated in a rural area, churns out University toppers every year. This is done while ensuring that the students do not miss out on the extracurricular activities and also seeing to it that they excel in National/State level competitions. The fact that the students are trained to be creative and inquisitive have resulted in them develop the ability for doing research projects with organisations of repute. That the holistic development of the students is the priority of the College is visible in the plethora of add on and skill development courses that the College offers. The ability of the College to conduct Refresher Courses and Lecture Workshops of the Indian Science Academies, that excel both qualitatively and quantitatively has placed it in an enviable position compared to the other Colleges of the State. Concern for gender and social equity is visible in the demography of the College and also in the incentives/scholarships offered to such sections of students. The faculty of the College is motivated towards research and encouraged to keep abreast of the latest developments evident in the teacher's bagging projects, a patent, signing MOU's and getting their findings published in journals of international repute.

The most important thing to note is the way the College has made excellence a part of its genetic makeup. This is evident in the continuation of achievements in the period subsequent to the years taken up for assessment. This year while a patent was awarded to a faculty, another faculty won the Padmarajan Prize for Malayalam Short Story. The College developed India's first human milk fortifier for babies in collaboration with the Pushpagiri Centre for Medical Research and Department of Biotechnology, Govt. of India. The College got the sanction for a new PG course in Behavioural Economics and Data Science. The green initiatives of the College continue to bring laurels, this time in form of One District One Green Champions Award of the Mahatma Gandhi National Council for Rural Education. The College entered into an Association of Knowledge Partnership with IIT Bombay Spoken Tutorial Program. Three Faculty Development Programmes were organised in collaboration with GAD TLC, New Delhi and St. John's College, Agra under PMMNMTT scheme. Meanwhile, the faculty of the College continue to contribute to academic excellence while the students on their part continue to secure top positions at the University Examinations.