



## **AQAR REPORT REVIEW**

**BISHOP HEBER COLLEGE (AUTONOMOUS)**

**Aishe id : C-35825**

**Submitted for : 2019-2020**

**Submitted Date : 29/12/2020 07:58 PM**

**Reference AQAR Link : [Click here](#)**

**Over all Comments :**



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		BISHOP HEBER COLLEGE (AUTONOMOUS)
Name of the head of the Institution		Dr. D. Paul Dhayabaran
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04312770136
Mobile no.		9442248806
Registered Email		bhcprincipal@gmail.com
Alternate Email		iqac@bhc.edu.in
Address		8, Allithurai Road, Puthur
City/Town		Tiruchirappalli
State/UT		Tamil Nadu
Pincode		620017
<b>2. Institutional Status</b>		

Autonomous Status (Provide date of Conformant of Autonomous Status)	07-Oct-2004
Type of Institution	Co-education
Location	Urban
Financial Status	state
Name of the IQAC co-ordinator/Director	Dr. J. PRINCY MERLIN, Dean of IQAC
Phone no/Alternate Phone no.	04312770136
Mobile no.	9443427625
Registered Email	bhcprincipal@gmail.com
Alternate Email	heberiqac@gmail.com

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://bhc.edu.in/iqac/5dfafe0546b18_aqar_report.pdf">http://bhc.edu.in/iqac/5dfafe0546b18_aqar_report.pdf</a>
--	---

### 4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website:  
Weblink :

<http://www.bhc.edu.in/cal/event/index.php>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A+	75	2001	21-May-2001	20-May-2006
2	A+	90.50	2007	31-Mar-2007	30-Mar-2012
3	A	3.58	2015	03-Mar-2015	02-Mar-2020

### 6. Date of Establishment of IQAC

20-Sep-2004

### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Faculty Recharging Programme	12-Jun-2019 2	446
Capacity Building Programme	31-Aug-2019 1	78
Faculty Enrichment Programme (An Intensive Coaching for UGC/CSIR-NET Examinations)	15-Nov-2019 2	102
A Five Day Workshop on Professional Communication in English for Newly Recruited Members of Staff	10-Feb-2020 5	489
Webinar on Online Teaching : The New Norms	21-May-2020 1	450
Webinar on Unlocking online Evaluation	22-May-2020 1	450
Hands-on Training On Google Classroom and Online Teaching And Evaluation	08-Jun-2020 4	489
<a href="#">View File</a>		

**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	FIST	Department of Science and Technology	2016 1826	10000000
Institution	College of Excellence	University Grants Commission	2017 1826	17500000
Institution	STAR Scheme	Department of Biotechnology	2016 1095	5800000
Institution	RUSA 2.0	MHRD	2019 730	0
<a href="#">View File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

1. Conduct of Academic Audit 2. Constitution of Committees to train trainers for Online teaching and Evaluation and Training to Faculty members in Online Teaching 3. Drafted Policy for Waste Management in the campus which is to be implemented by different sectors 4. Capacity Building Programmes for Newly recruited faculty Members 5. Feedback Analysis of teaching Learning Evaluation Process

[View File](#)

**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
Merit Based Scholarships - 100 Percent Tuition fee Waiver for Students who belong to Socially and Economically Backward	A minimum of three students from every Department were given hundred percent tuition fee waiver.
Single Window Management of Office Administration	Single Window Management of Office Administration as Aided and SF Sections
Online Admission Process to UG and PG Programmes	Admission Process was conducted 100% online
Providing Seed Money for staff members belonging to Self-Financed Streams to undertake Minor Research Projects	27 Staff Members were sanctioned with Seed Money to the tune of 11.5 Lakhs.
Measures to enrich the faculty to qualify themselves	List of Coaching Classes and Programmes (No. of students Passed the Competitive Exams) 1. CSIR NET /SET exam (5). Coaching for IIT JAM, Chemistry(5) 3. TANCET Coaching (45) 4.National Graduate Physics Examination(35)
Conduct of International Conferences with Transdisciplinary and Interdisciplinary Focus	ICABS an International Interdisciplinary conference was conducted during 19th to 21st of November 2019
Filling Up existing Regular Teaching and Nonteaching Vacancies	Filled in 27 teaching posts in Aided and 50 posts in the SelfFinanced Streams
Establishment of Industrial MoUs and MoUs with QS Ranked Universities	Established MoUs with the following Institutions 1. National Institute of

	Pharmaceutical Education and Research (NIPER), Kolkata 2. Anugraha College of Arts and Science 3. MAHSA University, Malaysia 4. University Putra Malaysia For Research Collaboration, Staff and students exchange Programme, to conduct seminars, conferences and symposia and Exchange of Knowledge
Applying for SPARC Projects	3 Applications Submitted for SPARC and results awaited
Tapping more resources from Central Government and International Agencies	2 United Board for Christian Higher Education in Asia (UBCHEA), Hong Kong Projects for a grant of Rs. 646784.00 Rs. 469000.00 received
<a href="#">View File</a>	

<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
--	-----

Name of Statutory Body	Meeting Date
Governing Body	13-Jun-2020

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
--	----

<b>16. Whether institutional data submitted to AISHE:</b>	Yes
---	-----

Year of Submission	2020
--------------------	------

Date of Submission	07-Feb-2020
--------------------	-------------

<b>17. Does the Institution have Management Information System ?</b>	Yes
--	-----

If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Bishop Heber College has its own MIS designed exclusively by the IT Support wing of the College. Manned by professional Software Engineers and Technicians, the IT wing of the college develops and maintains the MIS. The following portals are developed 1. Online Admission Portal 2. Online Fee Payment Portal 3. Attendance Entry 4. Continuous Internal Assessment Mark entry system 5. Examinations Information System - where the students access their Hall tickets, seating arrangements and Results and teachers access information regarding Examination Invigilation and Evaluation
--	--

Duty 6. Hostel Admission, Occupancy and Fee payment 7. Student Feedback 8. Staff profile Portal and 9. Registration to PartV Clubs and Non Major Elective courses across departments. The Institution has its own servers to store and retrieve relevant data pertaining to Academic and Administrative Processes.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

##### 1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BSc	UCS	Computer Science	03/06/2019
BSc	UES	Environmental Science	02/03/2019
BSc	UCH	Chemistry	14/03/2019
BSc	UPH	Physics	16/03/2019
BCom	UCC	Commerce with Computer Application	09/03/2019
BCom	UCI	Commerce (International Accounting)	09/03/2019
BCom	UCP	Commerce (Professional Accounting)	09/03/2019
BVoc	UAT	Accounting & Taxation	23/03/2019
BVoc	UIT	Information Technology	21/06/2019

[View File](#)

##### 1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BCA	Computer Applications	05/03/2019	Programming in Python - U19CA303	05/03/2019
BCA	Computer Applications	05/03/2019	Programming in Python Lab - U19CA3P3	05/03/2019
BVoc	Accounting & Taxation	09/03/2019	Financial Accounting I - U19AT101	09/03/2019
MCom	Commerce	09/03/2019	Research	09/03/2019

			Methodology - M19CM101 (SD)	
MSW	Social Work	11/03/2019	Application of Computer in Social Work Research (P19SW2:P) (Em, En & SD)	11/03/2019
BSc	Chemistry	14/03/2019	Applications of Computer in Chemistry (U19CH2:P)	14/03/2019
MSc	Chemistry	14/03/2019	Data Analysis & Selected Analytical Techniques (P19CH2:1)	14/03/2019
MSc	Bioinformatics	15/03/2019	Big Data Analytics for Bioinformatics - I20BIX:8	15/03/2019
MSc	Chemistry	14/03/2019	Computer aided Molecular Calculations (P19CH4:P)	14/03/2019
MSc	Bio-Informatics	15/03/2019	Principles of Drug Design and Development - I20BI814	15/03/2019
<a href="#">View File</a>				

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	Management Studies - P19MS212	01/03/2019
MCom	Teaching and Research Aptitude - P19CM2:3	09/03/2019
MSW	Applications of Computers in Social work Research - P19SW2:P	11/03/2019
MCA	Human Resource Management - P19CA5:6	05/03/2019
BCom	Digital Marketing	09/03/2019
PG Diploma	Integrated solid waste management - PD19EI05	02/02/2019
BSc	Diploma in Paper and Pulp Technology	14/03/2019
MSc	Principles of Drug Design and Development - I20BI814	15/03/2019



MCA	Parallel Computing - P19CA5:3	05/03/2019
BVoc	Risk Management - U19AT517	09/03/2019
<a href="#">View File</a>		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BA	Tamil	01/01/2019
BA	English	01/01/2019
BBA	All Specializations	01/01/2019
BCom	All Specializations	01/01/2019
BCA	Computer Application	01/01/2019
BVoc	Accounting and taxation	01/01/2019
MA	Tamil	01/01/2019
MSW	All Specializations	01/01/2019
MCom	Commerce	01/01/2019
BA	Economics	01/01/2019
BA	History	01/01/2019
BSc	Botany	01/01/2019
BSc	Chemistry	01/01/2019
BSc	Mathematics	01/01/2019
BSc	Nutrition and Dietetics	01/01/2019
BSc	Physics	01/01/2019
BSc	Environmental Sciences	01/01/2019
BSc	Zoology	01/01/2019
BSc	Computer Science	01/01/2019
BSc	Actuarial Mathematical Science	01/01/2019
MA	English	01/01/2019
MA	Economics	01/01/2019
MA	History	01/01/2019
MLibISc	Library and Information Science	01/01/2019
MSc	Information Technology	01/01/2019
MSc	Computer Science	01/01/2019
MSc	Chemistry	01/01/2019
MSc	Mathematics	01/01/2019
MSc	Physics	01/01/2019
MSc	Zoology	01/01/2019
MSc	Data Science	01/01/2019

MSc	Actuarial Science	01/01/2019
MCA	Computer Application	01/01/2019
MSc	Biotechnology	01/01/2019
MSc	Bioinformatics	01/01/2019
BSc	Biotechnology	01/01/2019
MBA	All specializations	01/01/2019

### 1.3 – Curriculum Enrichment

#### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
LaTeX	02/02/2020	121
R Programming	02/02/2020	38
Microsoft certification- Course- 40361- (Software Development Fundamentals)	01/08/2019	138
MTA Exam 98-364 (Database Administration Fundamentals)	01/08/2019	138
Exam 98-388: (Introduction to Programming Using Java)	01/08/2019	138
Life Skills Course	17/06/2019	3317
CSIR-NET/GATE	17/06/2019	10
IIT-JAM	17/06/2019	24
Diploma in Paper and Pulp Technology	14/03/2019	55
Diploma in Analytical techniques	14/03/2019	20
<a href="#">View File</a>		

#### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Physics	42
BSc	Botany	134
BSc	Chemistry	20
BSc	Biotechnology	11
BVoc	Accounting and Taxation	76
BSc	Environmental Sciences	80
MSW	Social Work	431
BA	History	54
BSc	Nutrition and Dietetics	49
MCom	Commerce	48
<a href="#">View File</a>		

## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

### Feedback Obtained

The Institution conducts a systematic, Sequential, Fool-proof and goal-driven feedback Mechanism. Feedbacks are collected from the students and Teachers at the End of every Semester and from parents and alumni at the end of every academic year. The feedback forms were collected and analyzed by a team of coordinators nominated and designated by the Principal. Actions taken based on the analysis of the Feedback is followed up by the Department Heads and the Vice Principals. All departments conduct parent teachers meet and information about attendance position and academic performance of students are shared with them. In the Department of Zoology, remedial measures were taken for the slow learners based on the feedback of Alumni. The department of Social Work organized Residential Workshop for I MSW Students who have opted for PGDC Programme on 'Healing the Inner Child was organized on February 29 March 1, 2020 as the earlier batch students suggested the need for a residential programme. The Department of Physics got an additional fully Furnished Staff room near the classroom block with attached rest rooms as per the suggestions of the teachers. The Department of Computer Applications organized a Career Guidance programme on the advice of the Alumni working in the field of AI and also started NET Coaching Classes. The Department of Management Studies introduced a practical in the Business Communication Course. In Research methodology paper and ITFM paper practical exposures was made mandatory as suggested by the students and alumni Survey. Practical assignments are given to students in strategic management and Marketing papers. Based on the suggestions by Academicians, Competitions like Business Plans are organized to improve the entrepreneurial skills of the students. Internship and Project are included in the curriculum to increase the corporate exposure and applicability of the theoretical concepts studied. Employees of the Department of Library and Information Sciences suggested changes to be incorporated in upgrading the program by add on courses, extra courses through NPTEL. The Department of Nutrition and Dietetics, received the feedback from the students and parents through parent teachers meet for UG students. Based on the statistical report 85 of the parents are satisfied with the facilities, learning resources, , Laboratories, guidance of staff members and about 10 of the parents requested to conduct more campus drives and to introduce a diploma courses. The Department of Commerce conducted Parent Teachers Meet on February 15, 2020 to know about the status of the students and the future plans to be made in the Department for the benefit of the students. In the Department of IT, a Courses entitled "python programming "and "Internet of things was introduced based on the Alumni feedback. In the department of Biotechnology Bioinformatics, based on the statistical report of the Feedback 80 of the parents were satisfied with the facilities, learning resources, guidance of staff members and about 20 of the parents requested to conduct more campus drives and to introduce a diploma courses to develop entrepreneur skill and language skill.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

## 2.1 – Student Enrolment and Profile

### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BCom	Commerce	750	4251	801
BSc	Chemistry	170	1544	157
BSc	Physics	170	1521	159
BSc	Mathematics	369	1505	219
BCA	Computer Application	338	1500	374
BA	English	150	1473	190
BSc	Computer Science	360	1047	405
BBA	Business Administration	240	839	256
BSc	Biotechnology	80	658	91
MBA	Management Studies	120	547	154

[View File](#)

## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	9762	2156	86	37	366

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
489	233	40	166	49	20

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Bishop Heber College provides an adept mentoring system for each and every student of the College. Each student is allotted and assigned to a faculty mentor for individual guidance, career progression and growth even at the beginning of their programme. Mentors are assigned to monitor and guide students all through the three years for Under Graduates and two years for post Graduates. Mentors meet their students and guide them periodically regarding their studies and extracurricular activities. The mentor analyses the strength and weakness of the students and guides them in the needed path. Every faculty member stretches his/her service as a mentor and builds a rapport with the student mentee, encouraging him or her to ask questions, attempting to clarify

doubts and facilitate counselling on different issues. The academically sound and motivated students are identified and given guidance according to their ambition. Similarly slow learners are identified and given sufficient motivation towards the improvisation of their academic prowess. Students are accordingly encouraged by the mentors to participate in sports, NSS, NCC, other Part V clubs (Service Clubs), cultural and other fine arts events. They also provide advice relating to selection of major, career guidance and personal problems. Mentors even converse with their fellow colleagues for the sake of his/her ward and help mentees at the time of difficulty and promote at the time of opportunity to support them develop further in their areas of interest. The mentors act as guides to the students during their summer and final projects. The mentors also act as a guardian for the mentees and have a better understanding of his/her financial background as well. When scholarship is given from college and government, mentors once again makes sure that the needy and deserving mentee applies for it and gets the benefits. The mentoring system enhances the students' confidence and challenges them by setting higher goals, moulding them in taking risks and eventually guiding them to achieve higher levels. Individual appreciation and backing, psychosocial support at the time of need, routine advice on balancing of academic and professional tasks are a few significant credentials validated by the mentors in Bishop Heber College. Mentors act as role models and facilitate leadership by developing the interpersonal skills and helping students thrive in competitive environments. From time to time, the Head of the Department reviews the proper implementation of the mentoring system. Mentors even coordinate with the parents regarding the progress of the students, and strike a cordial relation with the mentee's parents as well. The mentors thus lay the groundwork for the students to reach better heights in their professional lives, thereby contributing to durable individual and professional relationship.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
11918	489	1:24

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
77	77	77	77	60

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Anita Margret, Bio-Technology	Assistant Professor	Best Women Scientist Award, Novel Research Academy, Puducherry
2019	Dr. M. Kasthuri, Computer Applications	Assistant Professor	Global Teacher Award, AKS Education Awards, Gurugram, India
2019	Dr.J. James Manoharan, Computer Applications	Associate Professor	Global Teacher Award, AKS Education Awards, Gurugram, India
2019	Dr. K. Muthulakshmi, Commerce	Associate Professor	Best Teacher, Lions club, Tiruchirappalli
2019	Dr. A. RaviKumar, Commerce	Associate Professor	Best Researcher, Mayas Academic Excellence, Mayas

			Research and Learning (OPC) Private Limited, Salem, TamilNadu
2019	Dr.P.Mariappan, Mathematics	Associate Professor	International Best Professor, World Cultural and Yoga Academy
2019	Dr. A. Umesh samuel, Social Work	Associate Professor	International Best Researcher in Social Work, RULA Awards www.rulaawards.com
2019	Prof. A. Alagappa Moses, Env. Sciences	Vice Principal	Green Institutional Award, CSI, SYNOD Centre, Chennai
2019	Dr. Sam Deva Asir RM, Social Work	Assistant Professor	Social Ambassador Award, Indian Development Foundation, Mumbai
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MCA	PCA	Even Semester / May 2020	29/09/2020	05/10/2020
MA	PTM, PEG	Even Semester / May 2020	29/09/2020	05/10/2020
BCom	UMA, UPH, UCH, UBY, UZY UCS , UBT, UAS	Even Semester / May 2020	29/09/2020	05/10/2020
BSc	UCM, UCC	Even Semester / May 2020	29/09/2020	05/10/2020
BA	UHS, UEC, UEG	Even Semester / May 2020	29/09/2020	05/10/2020
MCA	PCA	Odd Semester / November 2019	23/11/2019	16/12/2019
MA	PTM, PEG	Odd Semester / November 2019	23/11/2019	16/12/2019
BSc	UMA, UPH, UCH, UBY, UZY UCS , UBT, UAS	Odd Semester / November 2019	23/11/2019	16/12/2019
BCom	UCM, UCC	Odd Semester / November 2019	23/11/2019	16/12/2019
BA	UHS, UEC, UEG	Odd Semester	23/11/2019	16/12/2019

[View File](#)

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
12	3359	0.35%

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[http://bhc.edu.in/programme\\_outcome.php](http://bhc.edu.in/programme_outcome.php)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
PCH	MSc	Chemistry	51	51	100
PCM	MCom	Commerce	47	47	100
PEC	MA	Economics	5	5	100
PSW	MSW	Social Work	60	60	100
PEG	MA	English	84	84	100
PTM	MA	Tamil	11	11	100
UAS	BSc	Actuarial Mathematical Science	66	66	100
UZY	BSc	Zoology	60	60	100
UCH	BSc	Chemistry	162	162	100
UMA	BSc	Mathematics	331	331	100

[View File](#)

## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://bhc.edu.in/sss2020.php>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes

Name of the teacher getting seed money

**27 Teachers (List Attached)**

[View File](#)

**3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year**

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr.A.Anita Margret	Science Academies Summer research fellowship	18/03/2020	INSA- IASc - NASI
National	Dr. J.Theboral	Science Academies Summer research fellowship	18/03/2020	INSA- IASc - NASI
National	Dr. J. Lakshmi Prabha	Department of Science Technology - Women Scientist Scheme DST WOS	19/06/2019	Department of Science Technology
National	Ms. A. Bella	Department of Science Technology - Women Scientist Scheme DST WOS	19/06/2019	Department of Science Technology

[View File](#)

**3.2 – Resource Mobilization for Research**

**3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations**

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1092	Department of Science and Technology	28.3	27.1
Major Projects	1092	Department of Science and Technology	21	17.7
Major Projects	514	United Board for Christian Higher Education in Asia	6.47	6.47
Major Projects	728	United Board for Christian Higher Education in Asia (UBCHEA)	4.69	4.69
Major Projects	1092	DST- SERB	24.75	1.5



Students Research Projects (Other than compulsory by the University)	364	Tamil Nadu State Council for Science and Technology (TNSCST)	0.15	0.15
Minor Projects	180	Bishop Heber College management	12.45	12.45
<a href="#">View File</a>				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.76
------

### 3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Opportunities for Brighter Minds in IPR	Biotechnology	17/09/2019
One Day Workshop on Research in English Theory and Practice	English	22/02/2020
Intellectual Property Rights -Significance and applications	Physics	28/02/2020
Intellectual Property Rights -Significance and applications	Chemistry	28/02/2020
Intellectual Property Rights	Biotechnology	18/02/2020
<a href="#">View File</a>		

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Bharat Ratna Dr. Radhakrishnan Gold Medal Award	Dr. J. Nesarajan (Zoology)	GEPR, New Delhi	22/02/2020	Bharat Ratna Dr. Radhakrishnan Gold Medal Award
Hydrogen Fuel Engine	Dheepak Rajan. B, Nishalini. G, Sellathamil Selvaraj, III B.Sc. Physics	Heber Hackathon, Deanery of Academics, Bishop Heber College (Autonomous), Tiruchirappalli	24/02/2020	Hydrogen Fuel Engine
<a href="#">View File</a>				

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Entrepreneurial Cell	Entrepreneurial potential and Innovative Bioproducts Cell	Bishop Heber College and Biotechnology Department	HEBER BIOPRODUCTS	Entrepreneur Cell	04/10/2019
Startup on campus	Apiary Unit	DBT Star College Scheme	Apiary Unit	Hands-on Training for Students and Local Community	08/01/2019
<a href="#">View File</a>					

### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Biotechnology	4
Botany	2
Chemistry	6
Commerce	2
Computer Application (BCA)	1
Computer Application (MCA)	2
English	6
Environmental Sciences	1
Library and Information Science	5
Management Studies	1
Mathematics	9
Physics	2
Social Work	6
Tamil	5

#### 3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	English	22	4.6
International	Social Work	4	4.4
International	Chemistry	46	3.3
International	Physics	42	2.2
International	Mathematics	24	2.5
International	Computer Science	20	2.6
International	Biotechnology	11	1.9
International	Botany	6	2.8

International	Computer Application (PG)	15	3.2
International	Bioinformatics	4	0.8
<a href="#">View File</a>			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Biotechnology	24
Botany	1
Chemistry	16
Commerce	46
Computer Application	10
Computer Science	3
English	3
Environmental Sciences	2
Library Information Science	15
Mathematics	12
<a href="#">View File</a>	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
A new formulation on skin beneficial compound	Filed	201941027161	13/08/2019
<a href="#">View File</a>			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
MnO <sub>2</sub> / P ANI/rGO-A Modified Carbon Electrode Based Electrochemical Sensor to Detect Organophosphate Pesticide in Real Food Samples	Dr.V.Violet Dhayabaran	Analytical and Bioanalytical Electrochemistry	2020	0	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620 017, Tamil Nadu, India	Nil
Utilization of a M	Dr.V.Violet	Anal. Bioanal El	2019	0	PG and Research	Nil

nO2/polythiophene/rGO nanocomposite modified glassy carbon electrode as an electrochemical sensor for methyl	Dhayabaran	electrochem.			Department of Chemistry, Bishop Heber College, Tiruchirappalli 620017, Tamil Nadu, India	
Utilization of a MnO <sub>2</sub> /polythiophene/rGO nanocomposite modified glassy carbon electrode as an electrochemical sensor for methyl parathion.	Dr.V.Violet Dhayabaran	Journal of Materials Science: Materials in Electronics.	2019	0	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620017, Tamil Nadu, India	4
Room temperature fiber optic gas sensor technology based on nanocrystalline Ba <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> : Design, spectral and surface science	Dr.V.Violet Dhayabaran	Materials Research Bulletin.	2019	0.7	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620017, Tamil Nadu, India	1
material science MnO <sub>2</sub> /PANI/rGO-AModified Carbon Electrode Based Electrochemical Sensor to Detect Organophosphate Pesticide in Real Food	Dr.V.Violet Dhayabaran	Anal. Bioanal. Electrochem.	2019	1.38	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620017, Tamil Nadu, India	2

Samples						
Fabrication of high energy and high power density supercapacitor based on MnCo <sub>2</sub> O <sub>4</sub> nanomaterial	Dr.V.Violet Dhayabaran	Journal of Physics and Chemistry of Solids,	2019	4.6	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620 017, Tamil Nadu, India	4
A phenoxazine-based fluorescent chemosensor for dual channel detection of Cd <sup>2+</sup> and CN <sup>-</sup> ions and its application to bioimaging in live cells and zebrafish	Dr.Princy Merlin, Dr. A.Bella	Dyes and Pigments	2020	12	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620 017, Tamil Nadu, India	12
Electrochemical Performance of L-Tryptophan picrate as an efficient electrode material for Supercapacitor Application	Dr.Princy Merlin, Dr .E.Elanthamilan Dr.B .Meenatchi	Physical Chemistry Chemical Physics	2020	2	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620 017, Tamil Nadu, India	2
Low cost activated carbon derived from Cucumis melo fruit peel for electrochemical supercapacitor application	Dr.Princy Merlin	Applied Surface Science	2019	14	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620 017, Tamil Nadu,	12

n					India	
Enhanced luminescence efficiency of structurally tailored new coumarin based heterocyclic organic materials: a DFT/TD-DFT study.	Dr.Princy Merlin	Theoretical Chemistry Accounts	2019	2	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli 620017, Tamil Nadu, India	22

[View File](#)

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nil	Dr.C.Ravi Dhas	Nil	2019	19	195	PG Research Department of Physics, Bishop Heber College, Tiruchirappalli-620017, Tamil Nadu, India
Nil	Dr.T.Kanna	Nil	2019	16	122	PG Research Department of Physics, Bishop Heber College, Tiruchirappalli-620017, Tamil Nadu, India
Nil	Dr.K.Vijayalakshmi	Nil	2019	16	149	PG Research Department of Physics, Bishop Heber College, T

iruchirapp  
alli-62001  
7, Tamil  
Nadu,  
India

Nil

Dr. J.  
Princy  
Merlin

Nil

2019

15

Nil

PG  
Research  
Department  
of  
Chemistry,  
Bishop  
Heber  
College, T  
iruchirapp  
alli  
621212,  
Tamilnadu,  
India

Nil

Dr.E. El  
anthamilan

Nil

2019

12

Nil

PG  
Research  
Department  
of  
Chemistry,  
Bishop  
Heber  
College, T  
iruchirapp  
alli  
621212,  
Tamilnadu,  
India

Nil

Dr.  
Rupesh N  
Prabhu

Nil

2019

12

Nil

PG  
Research  
Department  
of  
Chemistry,  
Bishop  
Heber  
College, T  
iruchirapp  
alli  
621212,  
Tamilnadu,  
India

Nil

Dr.A.Sat  
hiyan

Nil

2019

10

Nil

PG  
Research  
Department  
of  
Chemistry,  
Bishop  
Heber  
College, T  
iruchirapp  
alli  
621212,  
Tamilnadu,

						India
Nil	Dr. R. Venkatesh	Nil	2019	9	Nil	PG Research Department of Physics, Bishop Heber College, Tiruchirappalli-620017, Tamil Nadu, India
Nil	Dr. J. Theboral	Nil	2019	9	Nil	Department of Bio-Technology, Bishop Heber College, Tiruchirappalli 621212, Tamilnadu, India
Nil	Dr. S. Angeline Vedha	Nil	2019	7	Nil	PG Research Department of Physics, Bishop Heber College, Tiruchirappalli-620017, Tamil Nadu, India
<a href="#">View File</a>						

### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	337	320	266	178
Presented papers	171	51	Nil	56
Resource persons	15	22	85	69
<a href="#">View File</a>				

### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s)	Name of consultancy	Consulting/Sponsoring	Revenue generated
--------------------------	---------------------	-----------------------	-------------------



department	project	Agency	(amount in rupees)
Dr.M.G. Daniel Andrew (Biotechnology )	Antimicrobial studies	External	1300
Dr. J. Princy Merlin, Dr. I. Sharmila Lydia Dr. J. Christy Ezhilarasi, Chemistry	Heber Hygiene Enterprise (HHY Enterprise)	Internal	420000
Heber Advanced Instrumentation Facility	Heber Advanced Instrumentation Facility	Internal	128025
Heber Advanced Instrumentation Facility	Heber Advanced Instrumentation Facility	External	340040
Heber Advanced Instrumentation Facility	Heber Advanced Instrumentation Facility	Training / Internship/ Development Programmes organized	41750
<a href="#">View File</a>			

### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Physical Education	Heber Sports Academy	Individuals	845690	302
<a href="#">View File</a>				

### 3.6 – Extension Activities

#### 3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Low Cost Herbal Sanitizer production	Department of Botany	12	Nil
Green drive	Global nature foundation, MIET College, Thuraiyur	6	100
Village Science Awareness Programme (Botany)	Poorna food products	5	20
Extention Activity (Bio-tech)	Nil	19	300
Blind Home Rehabilitation Centre	Nil	1	8

[View File](#)

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Literary Works	Mozhivalarchiviruthu 2018- Dr.R.Sharmila (Bio)	Tamilnadu Murpokku Ezhuthalarkal Sangam	Nil
Volunteer Work	Gnanachudar Award- Dr. Muthukakshmi (Commerce)	LEO Club	Nil
Social Media	Social Media Champion-Dr. Sam Deva Asir RM	Ministry of Human Resource Development	Nil
Social Work	Social Ambassador Award- Dr. SAM DEVA ASIR RM (Social Work)	Indian Development Foundation, Mumbai	Nil
National Service Scheme	Best NSS Program Officer Award	Bharathidasan University, Tiruchirappalli	1
National Cadet Corps	All India Best Cadet Award - Gold Medalist	National Cadet Corps, Government of India	1
National Service Scheme	National Award for NSS for 2018-19 in the Volunteer category	National Service Scheme, Government of India	1
National Cadet Corps	NSS Award for Republic Day Parade Participation	National Cadet Corps, Government of India	1
National Service Scheme,	Best NSS Student Award	National Service Scheme, Government of India	1
National Cadet Corps	NCC Advance Leadership Camp (VI)	National Cadet Corps, Government of India	1

[View File](#)

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharath	Trichy Corporation Junior Jaycees Club, BHC	swachh bharath app launching	1	20
Swachh Bharath	Extension Wing of Bishop	Internship for Students	4	67

Internship programme	Heber College			
Swattachhtha hi sewa campaign	Extension Wing of Bishop Heber College	Awareness Campaign	9	109
Jal Abhiyan Programme	Extension Wing of Bishop Heber College	Awareness Campaign	2	74
Participating Gram Shaba meeting	Extension Wing of Bishop Heber College	Participation in Rural Governance	4	77
Environment Day celebration	Extension Wing of Bishop Heber College	Awareness programme at Pothavur village and Govt. School at Pothavur	6	60
Human Rights Awareness programme	Extension Wing of Bishop Heber College	Awareness programme at Kumara Vayalur Village	2	14
Health Hygiene programme	Extension Wing of Bishop Heber College	Awareness Programme at SomerasanPettai	2	38
<a href="#">View File</a>				

### 3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
International Training	Dr. Michael David Premkumar - IESEG School of Business, France	Nil	365
Be Future Leader - Post COVID -19	Dr.S.Felix Sophia - Deepshikha Group of Colleges in Collaboration with University of Technology	Nil	365
Research Publication	Dr. J. Princy Merlin, Dr. S. Kogularasu, Dr.Rajaram Rajendra n, Prof. Shen-Ming Chen, Dr. S. Gowri, Prof. R. Karvembu, Dr. K. Ramamoorthy Dr. A. T. Ravichandran, Dr. D. Sajjan,	Nil	365
Publishing Research articles	Dr. I. Sharmila Lydia and Dr. S.	Nil	365

	Vasanth - Karunya University		
Publishing Research articles	Dr. A. Bella , Dr. Princy Merlin, Dr. P. Ravichandran &Dr. Dong Jin Yoo - Chonbuk National University, &Jeonbuk National University, Republic of	DST/WOS-A Project	365
Publishing Research articles	Dr. A. Bella, Dr. Princy Merlin, Dr. P.Ravichandran &Dr. Dong Jin Yoo - Chonbuk National University, &Jeonbuk National University, Republic of Korea.	DST/WOS-A Project	365
Publishing Research articles	Dr. Sivasamy Vasantha & Dr. Bella - Madurai Kamaraj University	DST/WOS-A Project	365
Green drive Herbal Sanitizer production for low cost - Restoration of forest cover in Uyirkondam canal Low cost sanitizer during corona pandemic.	Dr. V. Anand Gideon, Dr. I . Paul Ajithkumar and Dr. A. Pauldasan Dr. V. Anand Gideon - Global nature foundation, MIET College, Thuraiyur	Nil	365
Village Science Awareness programme	Dr. C. Ravidhas - Department of Biotechnology, Govt Of India	Nil	365
Academic/ Research Activity	Mr. A. Alagappa Moses & All faculty members, and National Solid Waste Management Association of India (NSWAI), Mumbai	Nil	365
<a href="#">View File</a>			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact	Duration From	Duration To	Participant

		details			
Project Training	Internship	Aravind a Biosolutions	22/04/2019	08/05/2020	7
Internship	Species Repository program	WCC, Chennai	22/04/2019	08/05/2019	4
Project Work	Student Project Work	EC Group of Companies	01/02/2020	01/03/2020	3
Project Training	Internship	ICON	22/04/2019	08/05/2019	1
Internship	Block Placement Training	Christian Medical College, Vellore Christian Medical College, Vellore	01/03/2020	15/03/2020	1
Internship	Block Placement Training	NIMHANS, Bangalore	01/03/2020	15/12/2020	1
Internship	Block Placement Training	SACC Deaddiction, Madurai	01/03/2020	15/03/2020	1
Internship	Block Placement Training	National Institute for Empowerment of Persons, Chennai.	01/03/2020	15/03/2020	1
Internship	Block Placement Training	Belivers Church Medical College Hospital, Thiruvalla	01/03/2020	15/03/2020	1
Internship	Block Placement Training	St. Johns Clinical Medical Social Work	01/03/2020	15/03/2020	1
<a href="#">View File</a>					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Alagappa Universty	20/08/2019	PG Project work	10
Global Nature foundation, Thuraiyur	30/01/2020	Garden restoration	75
Genurem Bio	27/08/2019	Molecular and	Nil

sciences LLP		Bioinformatics work	
Sri Jayarenga Nature Cure Hospital	13/08/2019	Offering Certificate Programme	64
Bethel Agriculture Fellowship, Salem	17/07/2019	Extension Activities and research	77
Inymart Digi Solutions No: 17, C3, Third Floor, Ayodhya Complex, Tennur High Road, Tiruchirappalli - 620017, Tamilnadu, India. inymart@gmail.com / info@inymart.com	24/06/2019	Training Placement, Curriculum Development, Student Internship, Project Work, In-Plant Training and industrial visit, Industrial consultancy Expert Committees	59
Pantech Proed Pvt. Ltd. 22/C 82, 4th Cross, Near Vinayagar Temple, Thillainagar East, Trichy - 620 018.E-mail: info@pantechmail.com trichy@pantechmail.com	24/06/2019	Industrial Consultancy, Expert Committees, Student Internships: Inplant training and Industry Visit	Nil
SF IT Systems Private Limited, No 30/60, Aruna Nagar, Puthur, Trichy- 620017. Tamilnadu, India.E-mail:siva.t@sf-its.com	04/02/2019	Curriculum development, student internship, Industrial Consultancy, Expert committees, inplant, training and industrial visit ,Placement	43
International Youth Fellowship(IYF) MOU Bishop Heber College	04/02/2020	Cho Gyu yeun, General Director, International Youth Fellowship, South Korea	Nil
Bishop Heber College 'INAM' International E-Journal of Tamil Studies	13/12/2019	Collaborative Seminars	55
<a href="#">View File</a>			

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
546.45	546.45

#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Newly Added
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Newly Added
Video Centre	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
<a href="#">View File</a>	

#### 4.2 – Library as a Learning Resource

##### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
NIRMALS (Network Information Resource Management of Academic Library Systems)	Fully	NIRMALS ProTM 2.2.0	2004

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	109588	26694176	1310	566018	110898	27260194
Reference Books	12948	3074855	143	62116	13091	3136971
e-Books	3173159	42000	Nill	Nill	3173159	42000
Journals	319	1141344	Nill	Nill	319	1141344
e-Journals	6374	24000	Nill	Nill	6374	24000
CD & Video	1581	Nill	14	Nill	1595	Nill
Library Automation	Nill	6000	Nill	Nill	Nill	6000
Others(s pecify)	324	Nill	Nill	Nill	324	Nill
<a href="#">View File</a>						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr.Y.Babu	International Tiger day	Youtube	07/07/2019
Dr. M. Kasthuri	UGC NET - Normal Forms -How do you identify 1NF, 2NF, 3NF, BCNF?	Youtube	09/05/2019
Mr.A. Sandansamy	8Queens Problem	Youtube	16/03/2020
Dr. Adeline Suji	K Means Clustering	Youtube	11/03/2020
A. Muthumeena	methods of costing	Youtube	28/04/2020
D. Nagomi Joyce Lavanya	Termination of Bailment	Youtube	10/05/2020
D. Nagomi Joyce Lavanya	New areas of auditing cost audit	Youtube	12/05/2020
Mr. P. Sathiaseelan	PHOTODIMERISATION OF CONJUGATED ALKENE I MOD-01 I LEC-02 I ORGANIC PHOTOCHEMISTRY	Youtube	09/04/2020

[View File](#)

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1195	10	1	1	945	50	200	200	0
Added	13	3	0	0	0	8	7	0	341
<b>Total</b>	<b>1208</b>	<b>13</b>	<b>1</b>	<b>1</b>	<b>945</b>	<b>58</b>	<b>207</b>	<b>200</b>	<b>341</b>

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
E-studio (4.07 to 4.19 Minutes of the Video Shot)	<a href="https://youtu.be/FiOYtzYSmC4">https://youtu.be/FiOYtzYSmC4</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year



Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
70135716	70135716	1129639	1129639

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

**Policies Procedures for maintenance of Instrumentation laboratory:** Entry and Exit registry to the library is Automated and Access to Library books is through the OPAC (an open access system). The College Library ensures that no document or book or thesis or journal is lost or mutilated. Stacking, shelf arrangement, cleaning, shelving, stock verification and weeding of unwanted material are a few among the regular routines to safeguard the resources in the library. The library also propels the utilization of e-resources like INFLIBNET N-List, Consortium for Educational Communication (CEC) and National Digital Library of India (NDL). To ensure return of Books, 'no dues' from the library is mandatory for students before appearing in exam.

**Policies Procedures for maintenance of Computer labs:** The College has five Computer Labs and one language Lab. Funds are used to maintain computers in the centralized computer laboratories of our college. Computer maintenance through AMC is done regularly and it involves the installation, upkeep, repair and security of computer equipment and networks. Non-repairable systems are disposed of. The institution takes much care of the smart class rooms and provides maintenance whenever there is a demand in infrastructure

**Policies Procedures for maintenance of Sports Facility:** The College has excellent sports facility that is given periodic care and regular maintenance. To sustain the expenditure, the said above facilities are let out for nominal rent to the outstanding sports alumni through Heber Academics. It is done on an agreement to provide training and playing slots for staff and students. The college runs Cricket, Tennis, Badminton and Table tennis academies with collective efforts of alumni and trainers. More over since these alumni are outstanding coaches, they offer training to our college team(s) free of cost. This policy enhances as an additional benefit for the neighboring community to make use of the facilities. These provisions attract a lot of school children getting themselves enrolled. Such endeavor also serves as an excellent advertisement for the college creating an impression among the public. The Fitness Center adopts pay and use policy and is restricted only to students and staff. The income generated is made use not only for up keeping but also for augmenting facilities. Apart from these the department also extends it facilities to the differently abled and special children by encouraging them to take part in various events tuning themselves for Paralympics. Various sports Associations volunteer supporting facilities free of cost to conduct league matches, debuting referees and Clinical support. etc.

**Department Laboratories:** All department Laboratories have the following well defined procedures in place. They are (i) SOP's for operation and handling of instruments and equipment. (ii) Maintenance of log book (iii) Guidelines given to students with regard to good laboratory practice. (iv) Peer Audit of equipment and facilities in science departments was conducted to ensure credible accounting and maintenance of instruments in departments.

[https://www.bhc.edu.in/facility\\_dept.php](https://www.bhc.edu.in/facility_dept.php)

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
--	--------------------------	--------------------	------------------

Financial Support from institution	Student Helpline Noon Meals Scheme/ Reimbursement of Tuition Fees Concession to Staff Children/ Alumni Scholarship/ Teach and Reach - Department of Chemistry	300	1655361
Financial Support from Other Sources			
a) National	BC/MBC/DNC - Govt. Scholarship SC/ST/SCC - Govt. Scholarship HESS Govt. Scholarship Rajiv Gandhi Fellowship Moulana Azad Fellowship Junior Research Fellowship Senior Research Fellowship Minority Scholarship CSMG	1592	6935812
b) International	Nil	Nil	0
<a href="#">View File</a>			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Career Opportunities in Chemistry	02/12/2019	150	Department of Chemistry
Scientific writing	20/09/2019	144	Department of Chemistry
IGNITE	24/06/2019	144	Department of Chemistry
Career Guidance for higher studies	25/02/2020	150	Department of Bio-Technology Bio-Informatics
A sound mind reflects good health	26/02/2020	100	Department of Bio-Technology Bio-Informatics
Employability Skills-Soaring to greater heights	26/09/2019	140	Department of Bio-Technology Bio-Informatics
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the	Number of	Number of	Number of	Number of
------	-------------	-----------	-----------	-----------	-----------

	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passed in the comp. exam	students placed
2020	CSIR-NET/SET/GATE Coaching	29	265	4	2
2019	IIT-JAM Coaching	31	Nil	5	3
2019	UGC-NET Coaching Programme	77	Nil	Nil	Nil
2019	UGC-NET CSIR coaching (PG)	24	70	Nil	Nil
2019	Coaching for University Rank Examinations (UG)	17	Nil	Nil	Nil
2019	TANCET Coaching	45	Nil	45	Nil
2019	Heber School of Banking	120	Nil	Nil	Nil
2019	NET / SET Coaching	16	Nil	1	1
2019	STEP - UP - Career Enrichment Workshop	58	58	Nil	Nil
2020	EDGE OF THE BIG	111	111	Nil	Nil

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
10	10	5

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed

32 Companies Visited (Details available in Excel File)	3874	572	Sarah Tucker College, Tirunelveli Lactus Education Scientific Publishing Services, Trichy JS Global Academy, Villupuram Chetnad Public School, Karaikudi Velammal Vidyalaya Senior Secondary School, Theni Bharani Vidhyalay	Nil	314
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	631	UG, PG	BA/BSc/BVOC/Bcom/MA/MSc/MBA/MSW/MCA	1.Holy Cross College, Trichy, 3. KG Group of Institution, Coimbatore, 4. St.Joseph College, Bengaluru, 5. St.Joseph College, 6. Vivekanandha College, Thiruchenkode, 7. Biostatistics, CMC, Vellore, 8. Sri Ramakrishna	MA., MSc.,PhD., M.Phil. etc.

[View File](#)

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	7
GATE	1
GMAT	1
CAT	5
Any Other	116
<a href="#">View File</a>	

#### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Queen Bee 116	Interdepartmental	143
CADEP-2020 116	Interdepartmental	82
SURPHY 2019 116	State Level	600
TYRO (State Level Management Meet) 116	State Level	450
FIRMA ( Management Meet) 116	National Level	250
Muthamizh Vizha 116	Interdepartmental	3000
CATHARSIS: An Intercollegiate Cultural Meet for Budding Social Workers 116	National	570
HEBER FESTAURUM '19 116	Inter-Departmental Competition	440
Cricket Tournament 116	Intradepartmental	120
Cricket 116	Interdepartmental	208
<a href="#">View File</a>		

### 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)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	I Place - Western Dance	National	Nil	2	195113464	K.Monish
2020	I Place - Western Dance	National	Nil	2	195114444	K.Nithishwaran
2020	I Place - Western Dance	National	Nil	2	191109034	K.P.Mohanramu
2020	I Place - Western Dance	National	Nil	2	175114189	M.Sriram
2020	I Place	National	Nil	1		AmirthaV

	- Classical Dance				171105007	arshini
2019	I Place - Classical Dance	National	Nil	1	185118120	Devasenan B.
2019	I Place - Classical Dance	National	Nil	1	175102114	Divya Dharshini V.
2020	I Place - Western Dance	National	Nil	2	171114030	C. Nirmel
2020	I Place - Western Dance	National	Nil	2	185114333	G.Muruga nantham
2020	I Place - Western Dance	National	Nil	2	181109038	K.Manoj

[View File](#)

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

There are six major councils where students take part in decision making process. 1. Academic Council 2. Student Council 3. Administrative Council 4. Extension Council 5. Placement Council and 6. Hostels Committee. Total no of 39 students represent the Student council and 12 students in Academic Council and few more in other administrative committees. The deanery of Training and Placement and the Deanery of Extension Activities have a well-structured system to groom student leadership and initiatives. The 35 Clubs of the college are run under the leadership of student representatives who are nominated by fellow club members. The Student Club leaders plan and coordinate along with the faculty in charge the annual Budgeting, plan of activities and consolidation of reports. They also maintain peer support through group endeavours. Placement student coordinators from each final year class serve as liaisons between the Placement division and the Final year students. The 9 Hostels have student representatives and each hostel has floor leader to ensure student safety and security. The student Hostel representative organize Hostel Days, plan the monthly menu and take part in planning committee and Mess Committees. All departments have their student representatives and councils that meet regularly to review and represent student issues to the right forum. In the department level students take leadership role in department associations and Student councils. In the Department of Commerce, the student Council leaders serve as stewards of student regularity and discipline.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

0

5.4.3 – Alumni contribution during the year (in Rupees) :

566000

5.4.4 – Meetings/activities organized by Alumni Association :

Eleven meetings were organized at the department level.

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The governance of Bishop Heber College is participative and democratic, with effective leadership in harmony with the vision and mission of the institution. The institution provides operational autonomy to various functionaries in order to ensure a decentralized governance system. The institution pursues to function with mutual love, respect, social commitment, efficiency and conscience to train and encourage students to be resourceful through teaching, research and extension activities and engage them to serve the nation in socially relevant areas. And to make the ends meet, the management and all the departments are maintaining power by breaking up larger applications of power into fragments. The institution follows a democratic and participatory mode of governance with all stakeholders participating actively in its administration. The Governing Body delegates authority to the Secretary and Principal who, in turn share it with the different levels of functionaries in the college. The Heads of Departments, the Conveners of various committees and cells along with the staff representatives on higher decision-making bodies play an essential role in shaping the institutional policies and implementing the same. To empower the institution by honing the features of different welfares, the management has vested responsibilities thereby transferring and splitting the tasks to bring about efficiency and progress to various deanery, such as Deanery of Arts, Sciences, Research and Development, Internal Quality Assurance Cell (IQAC), International Relations, Staff and Student Welfare (SSW), Training and Placement and the Deanery of Extension Activities. All the staff members in the department are involved in various department activities to join hands with the Head of the Department to equip and mould the young minds into efficient professionals, who are being trained to meet challenges and opportunities with confidence and dignity. Along with teaching, the teachers are given responsibility to be a part of club activities such as NCC Air and Army Wing, NSS Boys and Girls Wing, Sports and Games Club, Nature Club, Red Ribbon Club, Youth Red Cross, Junior Jaycees, Student Exnora, Herber Quiz Club, DOE Club, Good Samaritan Club, Human Rights Club, LEO Club, Consumer Club, Road Safety Club, Youth against Drugs Club, Fine Arts Association, Rotary Club, Entrepreneur Cell, Suicide Prevention Club, Gender Sensitization Club, Communication and Movie Club, Anti-corruption Club and Philately Club. Besides, teachers are members and conveners of the various committees that are instituted for the day-to-day functioning of the college. Some of these committees are the Academic Council, the Examination Committee, the Admission Committee, the Library Committee, the Journal Committee, the Seminar and Research Committee etc. Teachers, through their agency and autonomous interaction on these bodies are able to contribute in a significant way to the participatory ethos of the institution. Thus the institution and departments encourage shared leadership and entrust the faculty of different divisions with enough authority to decide and execute activities of their own to bring up a positive vibe in students and in the society.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	<p>Students are the pillars to the existence and richness of colleges. Bishop Heber College follows the Government Norms for admission procedure and reservation policy is strictly adhered to. Admissions are made online based on the marks scored in higher secondary exams and is kept transparent to ensure fairness in the process. The department is given full autonomy to select the deserving students. Special preferences are given for the first-generation learners, minority communities, socially and economically challenged sections of the society in line with the vision and mission of the College. Departments are witnessing exponential growth in student admission both in aided and self-financing streams.</p>
Industry Interaction / Collaboration	<p>MoUs are signed with various institutions and industries for internships, industrial visits, innovation, technology transfer and summer projects to provide the students with adequate exposure and knowledge to hone their employability skills for better placements. Students are equally motivated to be entrepreneurs. Departments are also encouraged to make their course of study relevant to industry. Alumni of Bishop Heber play a vital role in establishing industrial collaboration. The collaboration with other educational and other institutions are encouraged so that students could regularly visit the press, companies and media houses to gain first-hand knowledge of the craft.</p>
Human Resource Management	<p>Qualified faculty members are recruited according to the needs every academic year. Staff enrichment programs are organized periodically to motivate faculty members to maximize their performance in teaching and research. The institution provides sound value system, ecofriendly ambience with state of art infrastructure that foster research atmosphere thereby enriching academics pursuits. Student Counselling Centre</p>



organizes programmes on Self Development, Girl Students' Empowerment, Stress Management and on Health and Hygiene. Scholarships and college and hostel fees concession are given to deserving students by College Student Helpline. The Management runs the noon meal scheme for the sports and deserving poor students.

Library, ICT and Physical Infrastructure / Instrumentation

The College Library safeguards books, magazines, journals, e-resources and thesis with meticulous care. The library also propels the utilization of e-resources like Inflibnet, NList, Consortium for Educational Communication (CEC) and National Digital Library of India (NDL). Library has internet and a separate air conditioned Digital Library section. 24x7 WiFi facility is provided for the students to use their laptops in the college premises. Library ensures the availability of daily newspapers. Classrooms are installed with smart board and LCD Projectors to enhance ICT based learning. Institution has CCTV facility for monitoring the safety. College also has Instrumentation Centre sponsored by DSTFIST.

Research and Development

The research wing of the institution functions with the motto, "Research, Enrich and Excel". Books, laboratory facilities and essential equipment are provided to the students, research scholars and faculty members to carry out the research projects. Students of UG and PG courses prepare projects in their final semesters which are generally in line with research studies. The students, research scholars and staff are encouraged to publish their research findings in UGC listed national and international journals, Web of Sciences and Scopus indexed journals. Financial support is also given by the Management to attend conferences, seminars, symposiums, workshops and for publications.

Examination and Evaluation

Examination Evaluation Policy is an essential segment of learning process during the progression of a course. Examination committee along with the Controller of Examinations meet periodically to work out strategies for effective conduct of examination. Question Bank comprising multiple choice questions are printed and given

as booklets to each of the classes for all the courses. Unit wise assignments, class tests, seminars, practical lab exams, two continuous internal assessments and end semester examinations are conducted. End semester papers undergo two valuations, internal and external. Results are finally checked for attainment with the learning and course outcomes for each course.

**Teaching and Learning**

Well-furnished smart classrooms with ICT facilities bring visual and practical learning experiences to students thereby helping them to comprehend and learn along with talk and chalk method. Classes are handled by well trained and qualified faculty members. Field oriented experiential learning, internships, projects, seminars, assignments, paper presentations and participative hands on training are a few other ways used to equip the students with the learning process. Course Coordinators are assigned to maintain standards. Teachers too are encouraged to attend various workshops and conference to update their knowledge in their respective fields, thereby transferring knowledge and transforming the minds of students.

**Curriculum Development**

Curriculum is revised regularly benchmarking on par with premier institutions to construct positive improvements modelling the latest trend in the subject, technology and to satisfy the current requirements of the industry. Emphasis is also laid on the broad syllabus of competitive examinations like SET, UPSC and NET. The possibilities for improving syllabus according to the needs of every programme is initially discussed within the department. Introduction of such courses are roped in based on the suggestions offered by the members of the Board of Studies comprising of experts from industry or subject expert, alumni, parents and student representatives.

**6.2.2 – Implementation of e-governance in areas of operations:**

E-governance area	Details
Student Admission and Support	For all the aspirants who seek admission, an online application registration portal is created for

registration. Later the applications are ranked category wise electronically. Students who are short listed by their merit are intimated through SMS. During the admission time, digital boards are used to direct the students in the admission process. An electronic file system for the academic performances of each and every student is maintained by the teacher who is the mentor of the class. The updation of the record is done easily and used during the parent-teacher meet. Absence of students is intimated to parents through messages.

**Examination**

The College has separate Examination cell with equipped ITC tools necessary for examination purposes. Before the commencement of the exams, students download their hall tickets from the college website. Students also see their exam timetable, exam hall and their seating arrangements in the website. CIA marks are being entered online. Staff invigilation details too are in website and an SMS is sent to the concerned staff. Online examinations are conducted for a few courses namely NMEC, SBEC and Life Skills. To improve the ability of students in competitive examination, students take up frequent mock online tests in the library.

**Planning and Development**

E-governance has been implemented and exclusively used for the college activities like planning and development. The institution has a robust IT support which records the academic and administrative activities of the Institution. Staff biometric attendance, timetable, attendance, library information system, SMS facilities, daily absent report, information and reminders regarding the faculty development, conduct of special programmes for students and teachers through emails and group messages are a few to name. E-reports from the Departments are received and organised for the college by the IQAC. Information regarding the department is being circulated to all the faculty in the department through whatsapp group.

**Administration**

The Administration of the College functions with e-governance system at Government, Society and College level. The college has Biometric attendance

for teaching and non-teaching staff. Attendance is entered online by the respective staff along with the record of the work diary. Timetable is registered online. Students' feedback is solicited online. All notices from the Principal's office are sent to the individuals through group messages. Within the department, all communications are done through emails. Information about conferences, events, victories, staff profile and departmental activities are regularly updated in the college website. The college campus is equipped with CCTV towards vigilance and safety.

**Finance and Accounts**

The Institution has achieved effective financial management through transparent functioning of Finance and Accounts from every department. Each department has separate accounts to maintain the department association activity, staff and students welfare. This helps to increase the efficiency of staff towards the accuracy in financial transactions. Students pay their fees online. Financial assistance given as scholarships are equally maintained. The college conducts regular audit of annual books of accounts. The administrative office keeps all financial records separately as per the events and transactions made for. The administrative office maintains the books of accounts properly which helps in auditing procedure.

**6.3 – Faculty Empowerment Strategies**

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Mr. P. Ramaraj, Management Studies	1. The International journal of analytical and experimental modal analysis 2. SEMCOM Management ampTechnology Review 3. Machine Learning using	Bishop Heber College, Tiruchirappalli	12500

		Python		
2019	Dr. C. Ravichandran, Env. Science	1. Internatioal Journal of Geology, Ecology and Landscapes 2. Ph.D. Guideship - Incentive	Bishop Heber College, Tiruchirappalli	12500
2019	Dr. Soundria, Management Studies	1. The International journal of analytical and experimental modal analysis, 2. Adalya Journal 3. JETIR 4. International Journal of Scientific Research in Computer Science Applications and Management Studies	Bishop Heber College, Tiruchirappalli	15000
2019	Dr. K. Sumithra, Management Studies	1. Our Heritage 2. Studies in Indian Place Names 3. Journal of Xian University of Architecture Technology 4. Thesis Title - A Study on Accounting Information for Decision making in selected public sector organization in TamilNadu	Bishop Heber College, Tiruchirappalli	16000
2019	Dr.R. Jemima Priyadharshini, Computer Science	Ph.D. Guideship - Incentive	Bishop Heber College, Tiruchirappalli	18000
2020	Dr. J. Princy Merlin, Chemistry	Journal of materials science-materials in Electronics/Journal of Alloys and Compounds/ Journal of the	Bishop Heber College, Tiruchirappalli	39000

		Electrochemical Society/ Inorganic Chemistry Commu nications/ACS Sustainable Chem. Eng., /Food Chemistry /Journal of Ele ctroanalytical Chemistry/ I		
2019	Dr.P. Thangaraju, Computer Applications	Ph.D. Guideship - Incentive	Bishop Heber College, Tiruchirappalli	47880
2019	M.Kalpana Devi, Chemistry	International Conference on Applications of Basic Sciences (ICABS)	Bishop Heber College, Tiruchirappalli	1500
2019	Dr. J.Christy Ezhilarasi , Chemistry	International Conference on Applications of Basic Sciences (ICABS)	Bishop Heber College, Tiruchirappalli	3000
2020	Dr.R.Sharmila, Bio-Technology	1. Thamilarin maruthuva Aalumai, 2. Biocatalysis and Agricultural Biotechnology	Bishop Heber College, Tiruchirappalli	8000
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Two days Workshop on DNA finger printing	Nil	23/07/2019	24/07/2019	40	Nil
2020	An Online Training Program for CSIR NET exam in	Nil	02/06/2020	05/06/2020	38	Nil

	physical Sciences					
2019	FDP on Problem solving in Physics	Nil	06/06/2019	08/06/2019	37	Nil
2019	Faculty Development Programme on "Teaching Pedagogy" by Dr. Savarimuthu, S. t. Joseph's Institute of Management	Nil	28/02/2020	28/02/2020	23	Nil
2020	International Webinar on "Scope and Impact of Artificial Intelligence and Machine Learning"	Nil	05/06/2020	05/06/2020	389	Nil
2020	Webinar on Introduction to DBMS	Nil	20/05/2020	20/05/2020	161	Nil
2020	Two day National level workshop inter-collegiate faculty development programme on "Research Methodology Data Analysis using SPSS AMOS"	Nil	30/01/2020	31/01/2020	73	Nil
2019	Teachers Enrichment Workshop	Nil	20/07/2019	20/07/2019	58	Nil
2019	Workshop on Tally	Nil	30/08/2019	30/08/2019	52	Nil

	with GST					
2020	Management Development Programme for Second Line leaders of all the departments of Bishop Heber College	Nil	19/02/2020	19/02/2020	50	Nil
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Refresher course in Lifesciences	1	18/09/2019	01/10/2019	14
Induction/Orientation Programme for Faculty in Universities/Colleges/Institutes of Higher Education.	2	04/06/2020	01/07/2020	28
One Week International Faculty Development Program on "Research Strategies and Promotion of Teaching-Learning Process"	1	23/06/2020	28/06/2020	6
Second SELLTA International Conference on "English Language ,World Literatures and Gender Studies" -ICEWG	1	04/07/2019	05/07/2019	2
One week International Faculty Development	1	25/05/2020	29/05/2020	5



Programme on Innovative Trends in Engineering and Technology				
National level Faculty Development Programme on Advancement in science and humanities	1	25/05/2020	29/05/2020	5
One Week Faculty Development Programme (FDP) on Futuristic Trends of Language and Literature - Impact on 21st Century Learners (FDP)	1	13/07/2020	18/07/2020	6
Training in Research Based Pedagogical Tools in the faculty workshop on " Science Through Inquiry Research	13	17/10/2019	18/10/2019	2
Applications of Computer in Chemistry	20	01/07/2019	01/07/2019	1
Two Weeks Faculty Development Programme on MANAGING ONLINE CLASSES and CO-CREATING MOOCS	39	20/04/2020	06/05/2020	16
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
80	463	28	271

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Star Health Insurance, Emergency Medical Care Grant to Staff, Fee	Star Health Insurance (56), Emergency Medical Care Grant to Staff,	Student Helpline, Counselling for Mental Health, Life Skill,

Concession to Faculty for access to Gymnasium , Free access to primary Medical Care in Campus and all sports facilities, Tuition Fee Reimbursement for Staff Children, Staff Tour (Partially Sponsored by College Management), Welfare fund to Family member of Faculty who Demise in Service. Ex-gratia payment to Retired Staff	Gymnasium , Medical Centre, Tuition Fee Reimbursement for Staff Children, 24 X 7 WiFi/Internet, ex-gratia amount paid to non-teaching staff., Reimbursement of Medical Expensed and Expenses related to Last rites.	Tuition Fee Reimbursement for Staff children, Mess Fees Concession , Sports Quota, Free Hostel (CE), Noon Meal Scheme, Career Guidance (IAS), Book Bank, Earn while you learn (Lib Part Time Jobs at various segments like SF Office, SSC), Health entre / Medical Care, Purified Drinking Water at Vantage points of College, Gymnasium, 24 X 7 WiFi / Internet, Helpline for Chemists - NEST SCHEME, Medical Aid, Environmental Sciences Students' Welfare Funds, Students Financial Support for Deserving Students, and Tours are organised on a regular basis, MCA 1995 Endowment Fund, MCA 2006 Endowment Fund
---	---	---

#### 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

- The Internal Audit of the college is done by the Bursar of the College • The External Audit of the college is done by M/s. G.L Associates Chartered Accounts, Tiruchirappalli - 620001 (GSTIN: 33AAVFG3833E1ZD)

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
List of Sources attached	903095	Noon Meal Scheme, Financial Assistance to the Christian Endeavour Hostel Inmates
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

136935

#### 6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Although external agency is not involved	Nil	Periodic evaluation is done by the

		in academic audit, Competent Experts are invited from Institutions across Tamil Nadu and Pondicherry to evaluate and assess the performance of all the Departments based on a customized Evaluation Tool prepared in line with the NAAC Criteria.		Deanery of IQAC, Academics, Staff and Student Welfare and Vice Principals headed by Principal.
Administrative	Yes	Nil	Yes	Internal Auditing is done by the Bursar and the Principal.

#### 6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parent Teacher Meetings are organized at the Department Level, every semester, where in the academic performance of their respective wards are shared. Feedback from parents on the Quality of Teaching, Facilities and Services provided are sought from them which enable the Departments to improve the teaching Learning Process. Parents are informed about the wards' attendance through a centralized SMS service on a daily basis. Feedbacks from parents are Analyzed and Consolidated and immediate steps are taken.

#### 6.5.3 – Development programmes for support staff (at least three)

Departments of Chemistry and Biotechnology organized 'Capacity Building Programmes' for Non- Teaching Staff working in the Laboratory in upskilling them in relevance to new laboratory experiments introduced and safety measures and Stock Keeping and Maintenance of various reports as per requirements of different agencies. Laboratory Safety Measure Protocols, Lab Maintenance and Stock Checking and Lab Maintenance standard operating procedure were the three programmes conducted on 19.08.2019, 12.09.2019 and 12.09.2019. A total of 29 Support staff were benefitted through these programmes.

#### 6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Two new programmes were introduced - PG in Botany and History 2. Additional classrooms and laboratories were constructed/ renovated and became fully functional 3. Workshop on Administrative audit was conducted 4. DST -FIST DBT-STAR review meetings were conducted and reports submitted to the respective agencies. Based on the DST- FIST Impact analysis conducted by DST on the performance of the Dept. of Chemistry for the grant period 2006-12, the dept. was selected for BEST PRACTICES among 630 colleges in the Southern Region. 5. Management Sponsored Minor Research Project grants were increased both in fund and number of projects per dept.

#### 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Faculty Recharging Programme	12/06/2019	12/06/2019	13/06/2019	446
2019	Capacity Building Programme	31/08/2019	31/08/2019	31/08/2019	78
2019	Faculty Enrichment Programme (An Intensive Coaching for UGC/CSIR-NET Examinations )	15/11/2019	15/11/2019	16/11/2019	102
2020	A Five Day Workshop on Professional Communication in English for Newly Recruited Members of Staff	10/02/2020	10/02/2020	14/02/2020	489
2020	Webinar on Online Teaching : The New Norms	21/05/2020	21/05/2020	21/05/2020	450
2020	Webinar on Unlocking online Evaluation	22/05/2020	22/05/2020	22/05/2020	450
2020	Hands-on Training On Google Classroom and Online Teaching And Evaluation	08/06/2020	08/06/2020	11/06/2020	489

[View File](#)

**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Gender Sensitization	28/02/2020	28/02/2020	106	76
Gender equity, Women Rights, Women Safety & Women Empowerment to women from 5 adopted villages of BHC	06/09/2019	06/09/2019	120	Nil
Be the change you want to be	20/02/2020	20/02/2020	77	16
Each for Equal	09/03/2020	09/03/2020	150	Nil
International Women's Day	06/03/2020	06/03/2020	160	140
Gender Sensitization	25/02/2020	25/02/2020	Nil	120
Physical and Mental Health	05/03/2020	05/03/2020	100	Nil
A special seminar on 'Gender Sensitization'	05/02/2020	05/02/2020	88	48
Training on Understanding Child Rights and Child Protection	02/08/2019	02/08/2019	70	40
Seminar on Gender Sensitization	25/02/2020	25/02/2020	93	62
Gender Sensitization	05/02/2020	05/02/2020	80	40
Awareness on Sexual Harassment	29/01/2020	29/01/2020	63	87
Gender Sensitization	25/02/2020	25/02/2020	Nil	120
Sensitization Programme for the NSS School Children	27/09/2019	27/09/2019	45	37
Workshop on Understanding	28/01/2020	28/01/2020	13	44

the issue of Child Sexual Abuse and Role of Teachers				
Guest Lecture on Gender Sensitive Leadership	24/07/2019	24/07/2019	Nil	300
Special lecture on "Menstrual Hygiene"	12/09/2019	12/09/2019	Nil	105
Women's Day Celebration	06/03/2020	06/03/2020	Nil	210
A live programme "Kaloori Galaata" By All India Radio	19/07/2019	19/07/2019	16	9

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Total units of electricity consumed by LED lamps 1,12,400 units Coal equivalent of 12,400 units (1,12,400 × 0.538 kg coal) 60,471.2 kg or 60.47 tons. 1 kg coal emits 2.86 kg CO <sub>2</sub> into the atmosphere. At this rate, 56,564 kg coal emits (60,471.2 × 2.86) 1,72,947.6 kg or 172.94 tons of CO <sub>2</sub> . Which is 22 percent less by regular consumption by conventional devices.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Special skill development for differently abled students	Yes	4
Scribes for examination	Yes	24
Provision for lift	Yes	17
Ramp/Rails	Yes	17
Rest Rooms	Yes	17

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	13/06/2019	1	Awareness Programme on World day on	Child Labour Legal Awareness	200

					Anti Child labour Practices		
2019	1	1	02/12/2019	1	"Village Community Program on AIDS Awareness" to Village Community	Lack of Awareness on AIDS	90
2019	1	1	02/12/2019	1	AIDS Awareness Talk, Short Film Projection to School Children	Lack of Awareness on AIDS	77
2019	2	2	08/11/2019	1	Awareness on Good Touch and Bad Touch Child Sexual Abuse.	Child Sexual Abuse	52
2019	1	1	15/08/2019	1	Myiwaki Afforestation	Loss of green cover and global warming	31
2019	Nil	1	24/03/2020	1	HHyReach-Free distribution of Hand Sanitizers to 100 families in Kumara vayar Village	Lack of Sanitation Social Distancing	26
2020	1	1	28/01/2020	1	Say no to Child Marriage	Legal Awareness	55
2020	1	1	21/02/2020	1	Prepared Biodiversity Register at Kumara	Conserve Local Biodiversity	60

					Vayalur		
2020	1	1	21/02/2020	1	Environmental appraisal at Kumara vayalur - Participatory Rural Appraisal	Water and Waste Handling	60
2019	1	1	29/08/2019	1	Workshop for Members of Village level child protection Committee	Professional competence	25
<a href="#">View File</a>							

#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
<b>No Data Entered/Not Applicable !!!</b>		

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
“Introduction to Peace Building and Peace Education” Resource Person: Rev. Jude Sutharsan Mahendran, Principal, Christian Theological Seminary, Jaffna, Sri Lanka	25/06/2019	25/06/2019	50
“Locks of Love”-Hair Donation Camp for Cancer Patients	05/03/2020	05/03/2020	217
Special Lecture on Ethics and Human Values	10/10/2019	10/10/2019	128
People’s Biodiversity Register	21/02/2020	21/02/2020	256
Human Values and Ethics	16/03/2020	16/03/2020	100
Cybercrime and Cyber Ethics	02/03/2020	02/03/2020	91



World De-addiction Day - Happy living with Loneliness	26/06/2019	26/06/2019	120
Plantation of Saplings	04/10/2019	04/10/2019	336
Environmental Awareness	10/10/2019	10/10/2019	336
International Yoga Day - Awareness program	21/06/2019	21/06/2019	50
<a href="#">View File</a>			

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

(1) Eco- Friendly Campus Measures As a Plastic Free campus for the past 15 years, the college is keen on imparting Eco-Friendly initiatives. Apart from the observance of two No Drive Days, Energy Audit, Water Audit and Biodiversity Audit were also conducted this year. Degradable and Non degradable waste were segregated and a Vermi-compost Plant started to function in full swing using the degradable waste collected. (2) Laboratory Waste Management Departments of Chemistry, and Physics also adopted to new greener experiments to reduce toxic chemicals consumption by 80. The Department of Nutrition and Dietetics utilizes the food waste from the lab to manure the Kitchen garden managed by its students. (3) Eco- Entrepreneurship The department of Botany launched a Eco-shop cum Eco- Café to promote self- help groups. Nutrition. Out of the waste wooden boxes, sprung the HEABUZ (Heber Apiary Business Unit of Zoology) benefiting both the students and Entrepreneurs. (4) Surveys The campus Biodiversity Audit is carried out by students through Surveys of the Birds, Butterflies and Spiders of the campus. Awareness Programs on greening of the environment and SDG goals were carried out by departments of Environmental Sciences and Zoology. (5) Alternative Sanitary usage Disposal Department of Biotechnology organized awareness program to educate girls students about the environmental impact of burning sanitary Napkins and taught them eco-safe and hygienic alternatives to use and dispose them.

#### 7.2 – Best Practices

##### 7.2.1 – Describe at least two institutional best practices

1. E- Governance: Moving to a paperless office is essential in a digital era. All the departments moved to management through e- platforms for effective communication during the Pandemic times as remote offices have to be operated. Departments of Commerce launched all the communications related to club activities in a website which enabled ease of access and ensured better communication. Department of Chemistry developed its own e- Documentation process using Google Products in a systematic way which saves time and helps teachers work efficiently and helps them to deliver more to the Teaching learning. 2. Service Learning 'Learning through Practice' is an Impactful method. Department of Environment Sciences conducted 5 Practice Schools in network with Govt. Schools. In the Departments. of Social Work, Nutrition and Dietetics and B.Voc (A T) 100 students take up Internships. In the departments of Physics, Chemistry, Biotechnology, Botany Zoology 209 students took up Internships. Through club activities all the first year and second year Undergraduate students undergo mandatory 30 hours of Service Learning in the Adopted Villages. 3. Promoting Writing Skills Journal Clubs of the Departments of Tamil, English, Biotechnology, and Library Information Sciences promote creative writing skills of the students and an exclusive Magazine is authored,

edited published and circulated by the student. Departments of Commerce, Chemistry, English, Social Work, Physics and Botany publish Newsletters annually through student initiatives. Diploma Program in Journalism offered by the department of English also helps students hone writing skills. 4. Bridge Courses Departments of Commerce, English, Mathematics, Chemistry, Physics Botany and Zoology organized Bridge courses. The English Language Bridge course is conducted to benefit all the students from the Vernacular Medium. A week long training in LSRW skills help them to read texts and references in English without any hurdle. Department of Mathematics conducted Bridge courses for all Allied students. A total of 800 students benefitted through the different bridge courses. 5. Performing Arts Department of English conducted Chromazone - A Literary Art Exhibition-Visualization of Indian Literature through Art. Enactment of Shakespearean play Midsummer Nights by students as a series gave students opportunity to reveal their talents

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

[http://bhc.edu.in/igac/Best\\_Practices2020.pdf](http://bhc.edu.in/igac/Best_Practices2020.pdf)

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Service Learning is part of the Curriculum of the Bishop Heber College. The Services the Institution renders to the neighbourhood makes it distinct from other institutions in the city. As part of the Unnath Bahrath Abiyan and also through its village Adoption Programme, the college has contributed significantly to the enrichment of the local communities. Every student who enters the institution serves a minimum of 10 working hours to 50 working hours in terms of conducting awareness programmes, observing special days and events of National significance, Blood donation camps, rallies, camps and workshops. Students work as part of the 30 Clubs which function within the adopted villages. Two blood donation and Blood Grouping Camps were organized through the Red Ribbon Club. Five Interactive Session on AIDS Awareness, Village Community Programme on AIDS Awareness and Awareness Programme on Mental Health of Adolescents and Workshop Programme on LGBT: Discrimination were conducted. Students were taken on three major exposure visits (i) Exposure Visit to ICTC and ART Centre, MGM Govt. Hospital, Trichy (ii) Exposure Visit to Primary Health Centre Awareness Program on AIDS Dengue, Inamkulathur and (iii) Exposure Visit to Grama Sabha Program (Unnath Bharath Abiyan) Pallur Panchayat union School, Pallur

Provide the weblink of the institution

[http://bhc.edu.in/igac/Institutional\\_Distinctiveness2020.pdf](http://bhc.edu.in/igac/Institutional_Distinctiveness2020.pdf)

### 8.Future Plans of Actions for Next Academic Year

- Based on the Feedback from Stakeholders it is planned to introduce a few need based programmes namely B.Com Strategic Finance, BBA Aviation and Ground Management, B. Voc. in Visual Communication and PG degree in Food and Nutrition.
- To introduce Internship for all the Undergraduates and Post Graduates
- To introduce more Add- on programmes to improve skill development, Employability and Entrepreneurship. Some of the Add-ons suggested by departments are: (1) Certificate Programme on Medical coding, Bioinstrumentation and Mushroom cultivation (2) Business strategy and planning
- In the forthcoming Academic year the College is planning to improve Industry- Institute Tie -ups in terms of MoU, MoA and Collaborative Projects through CSR grants.
- The Departments of Life Sciences plan to create a species repository and conservation Centre in the Campus. The herbarium centre would be maintaining new and endangered species

preserved and cultivated • To promote strategies for Creating Wealth out of Waste

- An Incubation centre for the conversion of plant waste to Manure by Vermicomposting is to be established.
- A Biogas Plant is to be installed to generate energy from the Hostel kitchen waste
- It is planned to train faculty members in Learning management system and Evaluation and make them conversant with the Online Teaching modes.
- It is planned to conduct Originality check for the M.Phil. and PG Dissertations with the use of mandatory Plagiarism checking Software.
- To upgrade Infrastructural Facility in the Chemistry, Food and Nutrition, Physics and Zoology Department.
- Augmenting the e-Studio with special editing and production software.
- Upgrading the Software for Language Laboratory
- Coaching students to excel in Co-curricular and Extra-curricular activities to contribute to National Building
- Establish administrative offices for deaneries
- To construct restrooms for the faculty members
- Ensuring Divyang Jan (Differently Abled) friendly facilities in all academic buildings like elevators
- Providing seed money to promote research among faculty members
- To provide rigorous training for faculty members to prepare e-content materials.
- To renovate the two-wheeler parking facilities for staff members.