



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		NIRMALA COLLEGE
Name of the head of the Institution		Dr. James Mathew
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04852836300
Mobile no.		8078168721
Registered Email		nirmalacollege@gmail.com
Alternate Email		jamesmathewk@gmail.com
Address		Kizhakkekara , Muvattupuzha
City/Town		Ernakulam
State/UT		Kerala
Pincode		686661
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	state
Name of the IQAC co-ordinator/Director	Dr. Sony Kuriakose
Phone no/Alternate Phone no.	04852832361
Mobile no.	8113980672
Registered Email	iqac@nirmalacollege.ac.in
Alternate Email	sony@nirmalacollege.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://nirmalacollege.ac.in/wp-content/uploads/2019/12/2017-18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://nirmalacollege.ac.in/wp-content/uploads/2019/12/Academic-Calendar2018-2019.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
2	B++	82.7	2007	08-Feb-2007	31-Mar-2012
3	B	2.85	2013	01-Apr-2012	22-Mar-2018
4	B++	2.76	2018	30-Nov-2018	29-Nov-2023

6. Date of Establishment of IQAC

03-Mar-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

Soft skill programmes to increase the employability	20-Jun-2018 1	180
Regular Meeting of IQAC	19-Jul-2018 1	18
Regular Meeting of IQAC	24-Sep-2018 1	21
Regular Meeting of IQAC	24-Jan-2019 1	24
A & A Audit	04-Oct-2018 2	195
Curriculum Feedback	25-Mar-2019 30	1270
Student Satisfaction Survey on institutional performance	30-Mar-2019 20	422
Seminar on New Paradigms in Research in Literature	27-Feb-2019 1	15
Teachers for environment	22-Jan-2019 4	10
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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
No Data Entered/Not Applicable!!!				
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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 :	14
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	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

1. Digitalisation of Teaching and Learning Process 2. MHRD approved Institutional Innovation Council 3. Implementation of Green Protocol for the college 4. Swachhta Ranking Team visit 2018 and 2019(Only 3 colleges included from the state) 5. Institutional subscription to Plagiarism software

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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
Revision of research policy	Research policy is revised based on the UGC list of journals.
Promotion of innovation and entrepreneurship	The college has MHRD recognised Institution Innovation Council (IIC)
Digitalisation of campus	New education app Campulse was developed. 7 new LCD projectors and 19 computers are added. Internet Bandwidth upgraded to 100 mbps.
Enhancement of employability and competitive skills.	119 students got job and 22 students cleared different competitive examinations.
Completion of Student Satisfaction Survey on institutional performance	SSS 2019 was successfully conducted, feedback of students were analysed and indicated corrective actions.
Promotion of research ethics.	Institutional subscription to plagiarism software.
Encouraging PG students to participate in the national seminars and present papers.	Students presented papers in national seminars and paper presentation competitions and won Best Paper Awards.
Revision of Stakeholders' Feedback Forms	IQAC has revised the feedback forms for various stakeholders and feedback is analysed and corrective measures are taken.
Introduction of new value added courses and certificate courses	Four certificate courses and 19 value added courses are offered
Publication of the Bi-Annual Journal "Science & Society"of the College	New issues of the journal were released.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Managing Board	05-Dec-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	30-Oct-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	03-Mar-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Nirmala College has a very robust central repository capable of gathering, organising and analysing data to generate necessary reports for decision making. The college has an automated management information system called "Total Campus Solutions" that offers multiple benefits to the students, faculty and the management. The following modules are currently in operation.</p> <ol style="list-style-type: none"> 1. Student Management: The entire details of the students are entered at the time of admission itself. This basic data is useful for getting the categorised list of students for various purposes. 2. Scholarships: The reports of various scholarships can be generated from the software. 3. Attendance: Faculty can update the attendance online every day and the students can see it from anywhere. This is very helpful for students and teachers to monitor the attendance status. 4. Academic Management: The details of various activities done by the faculty members can be retrieved from TCS. The faculty can update their publications in the software. 5. Performance Evaluation: There is a performance evaluation system in TCS that helps the students to evaluate their teachers based various criteria. They can also record their comments on the delivery of that particular course. 6. Time Table: The time table is also available in the software. 7. Fees Payment: There is facility for payment of fees online. 8.

Internal mark entry: There is a module in the software for entering internal marks which will be converted into reports in the required format. The marks for seminars, assignments and viva can also be recorded in the software. The exam records of students are available in the software. In addition to this college has an educational mobile app 'Campulse' which is used to disseminate information to the students. It functions as a virtual notice board for the students. As part of the "Social Media Champion" scheme of MHRD, the institution updates information on social media on a regular basis. Whatsapp groups have been created which ensure speedy dissemination of information among various cells and clubs like quiz club, NSS, NCC, Research Cell etc, The examination wing of the college is automated and the examination duties are assigned to the teachers using an excel application. The college also has application "Asset Tracker" to keep the record of equipments in the college. Teachers massively use Google class rooms and Moodle to disseminate information to the student community.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Nirmala College, Muvattupuzha is affiliated to Mahatma Gandhi University, Kottayam, Kerala and thus the curricular aspects of the college are governed by the university statutes and regulations. The college has various well-structured processes for the effective implementation and delivery of the curriculum. The process of implementation and delivery is designed in such a way as to make the students socially committed, employable, innovative and research oriented. In UG and PG programmes, Choice Based Credit System (CBCS) has been implemented effectively. The details of various programmes, courses, programme outcomes, programme specific outcomes, course outcomes, syllabus, weightage of internal and external examinations and E-resources prepared by the faculty are made available in the College Website. Further, a Question Bank containing model question papers and old university question papers are made available in the college website. At the beginning of the academic year, an Annual Academic Plan (Academic Calendar of the College) is prepared by the IQAC on the basis of academic calendar of the university and departmental academic plans. The same is published on the college website. The department academic plans are displayed on the department notice boards. The College Staff Council, time table and work load committees are also involved in the process. The College Time Table is also made available in the college website and Campulse

(Education App of the college). At the beginning of the academic year, HoDs direct the teachers to prepare Programme Outcomes and Course Outcomes and the same is approved by the Departmental Advisory Committee. The faculty members also prepare a Course Plan in tune with the attainment of course outcomes. A hand book of course programme outcome and course outcome is provided to the students. Faculty members use ICT enabled teaching methods for the effective delivery of curriculum. They also use innovative teaching platforms like Moodle, Google Class Rooms, Kahoot Quiz, etc. The students also use the Virtual Class Room facility available in the website and CamPulse. Students are motivated to use E-resources like N-list, J-Gate and E-books available in the main library. In order to implant practical knowledge, departments have collaborations with professional bodies like Institute of Chartered Accountants of India, Institute of Cost Accountants of India, Kerala Bio- Diversity Board, etc. In order to achieve the programme outcomes and to make the learning student centric, industrial visits, quizzes, case discussions and seminars, workshops have been organised on a regular basis. The state government sponsored Scholar Support Programme (SSP) also engages the weak students. The advanced learners are motivated further under the Walk With the Scholar (WWS) scheme of the state government and the "Nirmala Stars" programme of the college. The feedback regarding the curriculum from the students, teachers, parents and employers is communicated to the University through the members of the faculty who are in the Board of Studies and other Academic Bodies.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
English Speaking Foundation Course		22/06/2018	1	Employability	COMMUNICATION SKILLS
Programming Skills Enhancement		10/08/2018	1	Employability	Programming Skills
Laboratory Equipment Maintenance Course		16/07/2018	1	employability	Instrumentation, experimental and repairing skill
Campus to Corporate		28/09/2018	1	Employability	Industrial experience

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BA	Hindi	04/06/2018

BA	Malayalam	04/06/2018
BA	Economics	04/06/2018
BA	English-Literature and Communication Studies	04/06/2018
BCA		04/06/2018
BSc	Mathematics	04/06/2018
BCom	Taxation	04/06/2018
BTTM		04/06/2018
BSc	Physics Model I & II	04/06/2018
BSc	Chemistry	04/06/2018
BSc	Zoology	04/06/2018
BSc	Botany	04/06/2018
BSc	Mathematics	04/06/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	294	0

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
Ezhuthukoottam	29/09/2018	20
English Speaking Foundation Course	22/06/2018	56
Induction to MHRM	04/12/2018	25
PrePlacement Training	01/02/2019	18
industry Institute Interface	24/09/2018	30
Induction to MHRM	27/07/2018	36
Soft Skills Management	15/10/2018	20
Apiculture	20/07/2018	60
Flower arrangement	24/07/2018	55
Enhancing Communication Skills	21/08/2018	19
Life Guidance Programme	27/08/2018	53
Programme for Enhancing Communication Skills	03/09/2018	53
Fundamentals of Quantitative, Verbal and Logical Reasoning Ability	12/09/2018	53
Interpersonal Communication Skills	24/09/2018	53
Soft Skill Development course on Individual and Group Interviews	29/08/2018	70

Soft skill development	27/08/2018	30
WWS	01/06/2018	60
Value Education	04/06/2018	2726
Yoga	18/07/2018	38
SSP	17/11/2018	40
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MTTM		16
BSc	CHEMISTRY	10
BCA		68
MCA		65
BA	LITERATURE AND COMMUNICATION STUDIES	55
BA	ECNOMICS	73
BCom	TAXATION	60
BCom	OFFICE MANAGEMENT AND SECRETARIAL PRACTICE	42
BSc	BOTONY	120
BSc	ZOOLOGY	134
BSc	MATHEMATICS	50
BSc	PHYSICS	78
MA	MHRM	47
BCom	Computer application	34
BCom	model III taxation	57
BTTM		24
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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 has a practice of collecting curriculum review by various stakeholders such as students, faculty, alumni, parents and employers. In addition to this, feedbacks are also taken from the students on institutional performance and teachers' performance. The institution prepares separate

feedback forms for each of these categories. Updated versions of feedback forms have been used in 201819. Google forms were prepared for each category and the required data were collected. Students Feedback: Students feedback covers variables like content of courses, clarity of course outcomes, availability of reference books, internal evaluation system suggested by the curriculum, etc. IQAC communicated the feedback to the Head of the Departments to take necessary actions. Based on the feedback, new reference books have been added to the library resources. In the new academic year, teachers took special attention to explain the course outcomes to the student community. The teachers also communicated the syllabus related comments to the concerned board of studies members. In the new academic year, a number of certificate courses are also added for the enrichment of curriculum. Parents Feedback: In addition to the Google form which is circulated among parents, the institution also uses Open House platform to know the feedback of parents. Parents were asked questions related to the workload in various courses, curriculum delivery in the college, additional courses offered by the college for enriching the curriculum etc. Based on the feedback, IQAC asked the teachers to give short simple study materials to the slow learners. Now teachers encourage PG students to participate in national seminars and research methodology workshops. Employers Feedback: Employers are asked about the soft skills and problemsolving abilities provided by the curriculum. Various soft skills training programmes are organised to improve the skill gap. Faculty Feedback: The institution values the feedback of faculty members very much. Based on the feedback of faculty on adequacy of instructional hours to complete courses, special classes were organised well in advance. Alumni Feedback: A structured feedback form is used to collect the feedback of alumni. The feedback is collected through various social networking facilities. Almost all batches have WhatsApp groups. The departments include the suggestions of their alumni while preparing their academic plans. Various departments invite their prominent alumni members as guest speakers.

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
BA	HINDI	38	152	38
BA	MALAYALAM	38	175	38
BA	ECONOMICS	70	261	69
BA	ENGLISH MODEL III LITEARATURE AND COMMUNICATION STUDIES	39	146	39
BCom	MODEL I TAXATION	64	753	64
BCom	MODEL III TAXATION	64	556	64
BCom	MODEL III COMPUTER APPLICATION	38	348	37
BCom	MODEL III OFFICE	64	551	64

	MANAGEMENT AND SECRETARIAL PRACTICE			
BCA	BCA	70	243	63
BTTM	BTTM	50	134	47
BSc	CHEMISTRY	45	162	43
BSc	MATHEMATICS	70	280	69
BSc	PHYSICS MODEL I	45	176	45
BSc	PHYSICS MODEL II	30	105	28
BSc	BOTANY	45	153	44
BSc	ZOOLOGY	40	144	38
MA	ECONOMICS	19	71	19
MA	MALAYALAM	19	64	19
MA	HINDI	19	57	15
MA	ENGLISH	19	75	19
MCA	MCA	60	144	54
MCom	AIDED	19	65	19
MCom	UNAIDED	25	83	25
MA	MHRM	25	64	25
MTTM	MTTM	14	35	10
MSc	MATHEMATICS UNAIDED	20	71	20
MSc	CHEMISTRY	13	39	13
MSc	STATISTICS	19	65	19
MSc	ZOOLOGY	15	46	15
PhD or DPhil	MALAYALAM	7	7	7
PhD or DPhil	STATISTICS	1	1	1
PhD or DPhil	ZOOLOGY	7	7	7
PhD or DPhil	ENGLISH	9	9	9
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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
2018	2202	524	29	28	63

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
142	129	30	47	4	25

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

IQAC has established a well structured 'Three Tier Mentoring System', at mentor level, department level and institution level. At the bottom level, one faculty is allotted as mentor to a group of 20 to 30 students. In our system, mentors perform the following functions. i. Mentors organise classwise meeting of mentees at the beginning of the semester. ii. Individual mentoring sessions are conducted twice in a semester or when needed. iii. Mentors monitor the academic progress of the mentees and give them counselling on personal matters. iv. They promote the use of e-resources in the library. v. They motivate the students to enrol in certificate courses and online courses offered by NPTEL and MOOC. vi. They also motivate them to participate in cocurricular and extracurricular activities. vii. They maintain a brief record of mentormentee discussions. viii. They advise the mentees to take suitable topics for their yearend projects based on SWOC analysis of mentees. ix. If any administrative or higher level action is required, they intimate the HoD. The role of heads of the departments is very vital in the mentoring system. i. HoDs meet all the mentors in the beginning of the semester and give them necessary instructions in the first department meeting itself. ii. Review the activities of mentors and advise them whenever the situation demands it. iii. Inform the parents, on issues like continuous absenteeism or behavioural changes, iv. Seek the intervention of respective committees, if required. v. Keep the IQAC Mentoring Committee informed and updated. vi. Identify the mentees who require financial assistance with the help of mentors. vii. Making available text books and other study materials free of cost to the needy mentees. IQAC has a three member Mentoring Committee that evaluates the mentoring activity in each department. It acts as a tool to streamline and monitor the mentoring activity in various departments. On the basis of feedback from mentors and heads of departments, IQAC organises various training programmes seminars and workshops. IQAC also insists the departments to include the themes suggested by the mentors while organising programmes. For example, a first aid room and the service of a nurse are made available to the students. Apart from this, numerous self defence training sessions have been organised with Kerala Police for female students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2726	120	22

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
120	120	0	25	36

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
No Data Entered/Not Applicable !!!			
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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
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				examination
BA	HINDI	SEM 6	22/03/2019	29/04/2019
BA	MALAYALAM	SEM 6	22/03/2019	29/04/2019
BA	ECONOMICS	SEM 6	22/03/2019	29/04/2019
BA	ENGLISH MODEL III LITERATURE AND COMMUNICATION STUDIES	SEM 6	22/03/2019	29/04/2019
BCom	MODEL I TAXATION	SEM 6	22/03/2019	29/04/2019
BCom	MODEL III TAXATION	SEM 6	22/03/2019	29/04/2019
BCom	MODEL III OFFICE MANAGEMENT AND SECRETARIAL PRACTICE	SEM 6	22/03/2019	29/04/2019
BCom	MODEL III COMPUTER APPLICATION	SEM 6	22/03/2019	29/04/2019
BSc	CHEMISTRY	SEM 6	22/03/2019	29/04/2019
BSc	MATHEMATICS	SEM 6	22/03/2019	29/04/2019
BSc	PHYSICS MODEL I	SEM 6	22/03/2019	29/04/2019
BSc	PHYSICS MODEL II	SEM 6	22/03/2019	29/04/2019
BSc	BOTANY	SEM 6	22/03/2019	29/07/2019
BSc	ZOOLOGY	SEM 6	22/03/2019	29/04/2019
MA	ECONOMICS	SEM 4	27/05/2019	10/10/2019
MA	MALAYALAM	SEM 4	21/05/2019	10/10/2019
MA	HINDI	SEM 4	28/05/2019	21/10/2019
MA	ENGLISH	SEM 4	21/05/2019	10/10/2019
MCom	AIDED	SEM 4	21/05/2019	24/09/2019
MCom	UNAIDED	SEM 4	21/05/2019	24/09/2019
MA	MHRM	SEM 4	31/05/2019	10/10/2019
MSc	MATHEMATICS UNAIDED	SEM 4	21/05/2019	05/10/2019
MSc	CHEMISTRY	SEM 4	21/05/2019	31/08/2019
MSc	STATISTICS	SEM 4	29/05/2019	06/09/2019
MSc	ZOOLOGY	SEM 4	21/05/2019	28/09/2019
BTTM	BTTM	SEM6	22/03/2019	29/04/2019
BCA	BCA	SEM 6	22/03/2019	29/04/2019
MCA	MCA	SEM 6	08/05/2019	10/10/2019
MTTM	MTTM	SEM 6	29/05/2019	10/10/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institution strictly adheres with the system mandated by the Mahatma Gandhi University for both the Continuous Internal Evaluation (CIE) and the End Semester Examination (ESE). After the adoption of CBCS system for both UG and PG programmes in 2009, the college has implemented a number of reforms in the CIE. All these aim to improve the quality of various processes especially in the conduct, administration and evaluation. The ratio of weightage is 20 (CIE) and 80 (ESE) in UG programmes and the same is 25 and 80 respectively for PG programmes. In UG programme, the CIE components are attendance, test papers and assignment/seminars. In PG programme, the CIE components are attendance, test papers, assignments and seminars. Fully Fledged Examination Office: The College has a fully fledged examination wing headed by the Chief Superintendent of Examinations. This office has five computers, one colour printer, one Xerox machine and one digital duplicator (print 30 copies/one minute). Departmental Orientation: In addition to the communication through website, facebook page and CamPulse education app, the pattern and importance of CIE are explained in the classrooms by the teachers. The pattern of question papers and answer sheets are also displayed on the departmental notice boards at the beginning of the programme. IQAC and Examination Committee (Prescheduling of Internal Examinations): The tentative dates of test papers are planned well in advance by the IQAC in consultation with Examination Committee and College Council. Centralised Exam for Test Paper Component: To increase the seriousness of students, test papers are conducted in a centralised manner. The exam time table is prepared by the examination office in consultation with IQAC and College Council. The time table is displayed the notice boards, college website and educational app. Digitalisation of Attendance: Online recording of attendance is introduced. After each class, the teacher concerned will mark the attendance on the computer system (Total Campus Solutions). If a student is absent in a particular class, that information is automatically passed on to the parent by SMS alert. The students can also check their attendance online. Digitalisation of CIE: The internal mark sheet is generated in the examination office with the help of college software TCS. This has made the activity of internal marks entry easier and trouble free. The students can check his/her internal marks by logging into college website or Total Campus Solutions. Evaluation: After the conduct of examinations, faculty have to evaluate the answer scripts to the students in one week time along with the comments. The common errors are discussed in the classroom. Grievance Redressal Mechanism and Retests: The faculty addresses the lawful grievances of the students related to the marks obtained in the internal examination. Retest examinations are conducted for students who have not attended the internal examination on genuine grounds. Innovations: Apart from this, teachers also do evaluation using Book Review, Online Quiz, Literary Writing, Role Plays, Case Study discussions, mini projects, group discussions, field trip, etc. In PG programmes, Open Book Examinations are also conducted for selective courses.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

At the beginning of the year, an Academic Calendar (Annual Academic Plan) is prepared by the IQAC based on inputs from the University Academic Calendar and Departmental Academic Plans. The preparation of academic calendar ensures that the students get adequate instructional hours and teachers get maximum hours to deliver their courses effectively. The academic calendar is prepared in tune with the conduct of examinations. Schedule of Examinations: The proposed schedule of internal examinations (test paper component) is given in academic calendar so that the students can prepare for them well in advance. Meetings with HoDs and Faculty: At beginning of the semester, the principal convenes a meeting with HoDs and faculty to discuss the matters with respect to the smooth

and effective implementation of academic calendar. Academic Time Line: A time line is suggested in the Academic Calendar to complete the syllabus and the schedule of the internal examinations is kept accordingly. In exceptional cases, the Council takes decision regarding the postponement or early conduct of examination. It happens rarely. Special Classes: In order to adhere with the schedule of CIE, faculty have to take special classes to finish the topics suggested for test papers. The faculty also take special classes on holidays in order to compensate the loss of working days on account of flood and unforeseen strikes. Assignments and Seminars: Assignments and Seminars are given to the students continuously and well in advance so that they can prepare for the same. The evaluation is also done on a continuous basis. Once the assignments or seminars are evaluated the marks are entered in the digital format, Total Campus Solutions which can be accessed by the students from their home also. Cocurricular and Extra Curricular Activities and CIE: The college expands the knowledge horizon of the students through cultural activities and academic events like seminars, workshops, study tours, educational visits, field trips, industrial visits etc. These programmes are included in the Academic Calendar in such a way that CIE process is not disrupted.

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://nirmalacollege.ac.in/wp-content/uploads/2019/12/Learning-Outcomes.pdf>

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
	BSc	ZOOLOGY	31	24	77.42
	MA	ECONOMICS	14	12	85.71
	MA	MALAYALAM	17	17	100
	MA	HINDI	13	10	76.92
	MA	ENGLISH	17	14	82.35
	MCA	MCA	52	51	98.08
	MCom	AIDED	17	14	82.35
	MCom	UNAIDED	25	15	60
	MA	MHRM	24	24	100
	MTTM	MTTM	7	7	100
	MSc	MATHEMATICS UNAIDED	19	13	68.42
	MSc	CHEMISTRY	14	13	92.86
	MSc	STATISTICS	19	16	84.21
	MSc	ZOOLOGY	15	13	86.67
	BA	HINDI	23	21	91.3
	BA	MALAYALAM	32	24	75
	BA	ECONOMICS	64	45	70.31
	BA	ENGLISH	28	23	82.14

		MODEL III LITERATURE AND COMMUNIC ATION STUDIES			
	BCom	MODEL I TAXATION	58	56	96.55
	BCom	MODEL III TAXATION	64	63	98.44
	BCom	MODEL III COMPUTER APPLICATION	38	37	97.37
	BCom	MODEL III OFFICE MANAGEMENT AND SECRETATRIAL PRACTICE	57	44	77.19
	BCA	BCA	67	48	71.64
	BTTM	BTTM	24	18	75
	BSc	CHEMISTRY	39	36	92.31
	BSc	MATHEMATICS	61	51	83.61
	BSc	PHYSICS MODEL I	38	34	89.47
	BSc	PHYSICS MODEL II	23	17	73.91
	BSc	BOTANY	41	31	75.61
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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://nirmalacollege.ac.in/wp-content/uploads/2019/12/Insitutional-Performance.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Minor Projects	90	Kerala State Biodiversity Board, Govt. of Kerala	7	5.6
Students Research Projects (Other than compulsory by the University)	180	Kerala State Council for Science Technology and Environment	0.1	0.1

Students Research Projects (Other than compulsory by the University)	180	Kerala State Council for Science Technology and Environment	0.09	0.09
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3.2 – Innovation Ecosystem

3.2.1 – 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
Workshop on From Data to Knowledge Dr. Mathias Ambühl, Mr. Nicola Stalder, IAZI Switzerland	Statistics	08/02/2019
Workshop on Angular JS – Team from the company Progressive Cybernetics	Computer Science	18/12/2018
Environment Management Training	Zoology	29/10/2018

3.2.2 – 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
No Data Entered/Not Applicable !!!				
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3.2.3 – 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
Innovation and Incubation centre	IIC, Nirmala College	Management, Nirmala College	Mariyam Fashions	Online Boutique	12/06/2018
Innovation and Incubation centre	IIC, Nirmala College	Management, Nirmala College	CamPulse	Mobile App for Students	30/06/2018
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Physics	3
Statistics	3
Commerce	2

Hindi	4
Malayalam	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Hindi	9	1
International	Chemistry	7	3.6
International	Physics	17	1.78
International	Commerce	2	5.16
International	Hindi	1	5.22
International	Statistics	4	1
National	Physics	2	0.87
International	Botany	1	1.86
International	ECONOMICS	2	1

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

Department	Number of Publication
Physics	17
Zoology	4
Malayalam	2
Chemistry	4
Hindi	3
Economics	3
Commerce	1
Mathematics	4

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3.3.5 – 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
Sizing and Desizing of Cotton and Polyester Yarns Using Liquid and Supercritical Carbon Dioxide with Nonfl	A Ramachandran	Sustainable Chemistry Engineering	2018	7.09	Department of Chemistry, University of Calicut	3

uorous CO ₂ Philes as Size Compounds						
Aqueous Mechanical Oxidation of Zn Dust: An inventive Technique for Bulk Production of ZnO Nanorods	Jeen Maria Mathews	ACS Sustai nable Chemistry Engineerin g	2018	7.09	CSIRNation al Institute for Interd isciplinar y Science and Techno logy, Thir uvananthap uram	3
Design and fabricatio n of flexible Polyvinyl Chloride dielectric composite reinforced with ZnO m icrovarist ors	Jeen Maria Mathews	Journal of Applied Polymer Science	2018	2.188	National Institute for Interd isciplinar y Science and Technology NIIST · Division of Materials Science and Technology (NIIST)	4
Toxicologi cal impact of TiO ₂ na noparticle s on Eudrilus euginae	Thomas Varghese	IET Nano B iotechnolo gy	2018	1.86	Nirmala College, M uvattupuzh a	1
CuInS ₂ In ₂ S e ₃ quantum dots a novel material via a green synthesis approach	Simi N J	RSC Advances	2018	3.049	Centre for Nano Bio Polymer Science and Techno logy, Department of Physics, St. Thomas College, Palai, Arunapuram	2
Toxicologi cal impact ofTiO ₂ nan oparticles on Eudrilus	Ani Kurian	IET Nanobi otechnolog y	2018	1.86	Nirmala College, M uvattupuzh a	1

euginiae						
One-Pot Synthesis of Benzofurans via Cu-Catalyzed Tandem Sonogashira Coupling/Cyclization Reactions	A M Thomas	Chemistry Select	2019	1.716	Nirmala College, Muvattupuzha	0
High-performance electromagnetic interference shielding material based on an effective mixing protocol	A.R. Ajitha	Polymer International	2019	2.31	Nirmala College, Muvattupuzha	0
A convenient route to 1,3-diyne using ligand-free Cadiot-Chodkiewicz coupling reaction at room temperature under aerobic conditions	A M Thomas	Synthetic Communications	2019	1.63	Nirmala College, Muvattupuzha	1
Effect of 8 MeV electron beam irradiation on the structural, optical and electrical properties of a PANi/MnWO ₄ nanocomposite	Aloysius Sabu	European Physical Journal Plus (Springer)	2019	2.61	Nirmala College, Muvattupuzha	0
Effect of 8 MeV electron	Thomas Varghese	European Physical Journal	2019	2.61	Nirmala College, Muvattupuzha	0

beam irradiation on the structural, optical and electrical properties of a PANiMnWO ₄ nanocomposite		Plus (Springer)			a	
Microstructural characterization and modified spectral response of cobalt doped NiO nanoparticles	Thomas Varghese	Materials Chemistry and Physics (Elsevier)	2019	2.74	Nirmala College, Muvattupuzha	3
Photoinduced electron transfer in novel CdSe/Cu ₂ Se type II core-shell quantum dots	Simi N J	RSC Advances	2019	3.049	Centre for nanobio polymer science and technology, Department of Physics, St. Thomas College Palai,	0
Structural and Optical Characterization of CuIn ₂ S ₂ In ₂ Se ₃ Green Nanostructures by Hot Injection Method	Simi N J	Materials Today: Proceedings	2019	0.97	Centre for nanobio polymer science and technology, Department of Physics, St. Thomas College Palai,	1
Antibacterial activity of carbon nanoparticles isolated from chimney	Aloysius Sabu N	IET Nanotechnology	2018	1.86	Nirmala College, Muvattupuzha	0

soot						
Antibacterial activity of carbon nanoparticles isolated from chimney soot	Thomas Varghese	IET Nanotechnology	2018	1.86	Nirmala College, Muvattupuzha	0
Antibacterial activity of carbon nanoparticles isolated from chimney soot	Jaiby Cyriac	IET Nanotechnology	2018	1.86	Nirmala College, Muvattupuzha	0

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3.3.6 – 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
Microstructural characterization and modified spectral response of cobalt doped NiO nanoparticles	Thomas Varghese	Materials Chemistry and Physics (Elsevier)	2019	13	5	Nirmala College, Muvattupuzha
Antibacterial activity of carbon nanoparticles isolated from chimney soot	N. Aloysius Sabu	IET Nanotechnology	2019	6	0	Nirmala College, Muvattupuzha
Effect of polyethylene glycol on the structural and	B Rajesh Kumar	AIP Conference Proceedings	2019	6	0	Nirmala College, Muvattupuzha

optical properties of manganese tungstate nanorods synthesized by precipitation method						
One-Pot Synthesis of Benzofurans via Cu-Catalyzed Tandem Sonogashira Coupling/Cyclization Reactions	Anns Maria Thomas	Chemistry Select	2019	8	1	Nirmala College, Muvattupuzha
Aqueous Mechanical Oxidation of Zn Dust: An inventive Technique for Bulk Production of ZnO Nanorods	Jeen Maria Mathews	ACS Sustainable Chemistry Engineering	2018	3	7	CSIR National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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3.4 – Extension Activities

3.4.1 – 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
Green village programme planted 500 jackfruit saplings in the adopted village)	NCC	3	160
Plastic waste collection from local residents Muvattupuzha taluk	NCC	40	2650

Swatch bharath rally	NCC Nirmala Higher Secondary School, Muvattupuzha SNDP Higher Secondary School, Muvattupuzha	2	200
Swatch bharath street play	NCC	2	200
Cleanliness drive	NCC	2	160
Blood donation and dress kit distribution	NCC	3	250
Flood relief camp at College Campus	NCC	20	560
Flood relief Operations	NCC	10	500
Flood Rescue Operations Avoly Panchayath	NCC	2	60
Flood Relief Operations Avoly Panchayath	NCC	1	160
Flood Relief Medical Camp Avoly Panchayath	NCC	20	450
Flood Relief Cleaning of Houses and Rehabilitations Near Tharbiath School	NCC	5	200
Flood Relief Chlorination of wells in Avoly Panchayath	NCC	3	355
Flood Relief Operations Chenganoor 1	NCC	1	30
Flood Relief Operations Chenganoor 2	NCC	1	30
Identification and mapping of Flood prone areas in Muvattupuzha taluk	NCC	3	160
Free Medicine districution in Kizakkekara Village	NCC	3	160
Cleaning of the walkway Puzhayoram Muvattupuzha	NCC	1	20

Legal Awareness Class to the society	NCC Legal Awareness Society, Muvattupuzha	6	160
My heart beats for Indian Army Marathon on World Heart Day	NCC	2	150
Old age home visit and Food Distribution	NCC	1	30
Improving awareness of Terrace farming	NCC	2	55
Establishing of eco clubs in Government and aided schools	Department of Zoology KSCSTE, Thiruvananthapuram	1	60
Reduce and Reuse	Nirmala college For Green initiatives in collaboration with Hindi dept.	9	135
Book and pen collection and distribution to tribal school students	NSS	5	2600
Clean Campus Green Campus swatcha Bharath abhiyan	Nirmala college	40	2650
Vegetable cultivation in grow bags	NSS	5	200
Vermicomposting and Rain water Harvesting System	NSS Department of Botony	2	250
Hair For Hope, A Hair Donation Programme for cancer patients	Sargashektra Cultural and Charitable Centre, Aleppey NSS	2	96
Home for homeless constructed a house after financial collection	NSS	4	250
Sanjeevanam Free medical camp	NSS Kolencherry medical mission	4	200
World Environment Day Celebration Distribution of plant saplings	NSS, Students of Department of Botany and Zoology	5	500
Medical Camp	NSS, NCC, Red Cross	12	450
Vegetable Cultivation in Grow Bags	NSS	5	200

Clean Campus Green Campus	Students	5	2650
Road safety awareness programme	NCC	2	200
Blood donation camp	NCC, NSS, Youth Red Cross Nirmala	9	60
Online bill payment training to people in adopted village	NCC	2	160
Old age home visit	NCC	3	160
Old age home visit	NCC EXCISE DEPARTMENT	2	50
Band training to differently abled people of Nirmala Sadan	NCC	3	160
Women empowerment drama Nirbhaya	NCC	2	100
Awareness on water conservation and wick irrigation method	NCC Department of Botany, Nirmala College	8	325
Vegetable seed distribution in Muvattupuzha municipality	NCC Department of Botany, Nirmala College	8	320
Reusing and recycling of waste materials (swatch bharath abhiyan)	NCC	4	120

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3.4.2 – 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
Extension Activities	NSS Best Unit Award in M.G. University	M.G. University	200
Extension Activities	NCC Best Institution Award	NCC, Group Headquarters, Kottayam	160
Extension Activities	NCC Best Institution Award in Kerala Lakshadweep Directorate	NCC Kerala Lakshadweep Directorate	160
Flood Relief Activities	Youth Red Cross Recognition for Flood Relief Activities	Indian Medical Association, Thodupuzha Chapter	60

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3.4.3 – 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
Swatch Bharath	Nature Club NSS NCC	Swatch Bharath Rally	2	200
Swatch Bharath	Nature Club NSS NCC	Swatch Bharath Street Play	2	200
Legal Awareness	Legal Awareness Society, Muvattupuzha	Legal Awareness class	6	160
Swatcha Bharath Abhiyan	Nirmala College	Clean Campus, Green Campus Drive	40	2650
Women Empowerment	NCC	Women Empowerment Drama	2	100
My Health My Right	NSS	Aids Awareness Rally	2	150
Scheme to promote voluntary action for persons with disabilities	NCC	Band training to differently abled people of Nirmala Sadan special school	3	160
Green Village Programme	NCC	Planting jackfruit saplings in the adopted village	3	160
World Environment Day	NSS, Students of Department of Botany and Zoology	Distribution of plant saplings	5	500
Promotion of education among students in tribal areas	NSS	Collection and distribution of study materials	5	2600
Green Village Programme	NCC	Plastic waste removal from local residential areas	40	2650
Blood Donation	NSS,NCC, Red Cross	Blood donation camps	9	60

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
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M.Sc. Project	International and Inter University Centre for Nanoscience and Nanotechnology, MG University, Kottayam	Personal	60
Job training programme on seaweed collection and its industrial applications	CMFRI, Kochi	DST FIST	5
Hands on Training on Basic Techniques and Microbiology	Tropical Institute for Ecological Sciences (TIES)	DST FIST	2
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3.5.2 – 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 details	Duration From	Duration To	Participant
Internship	Internship on Online Journalism, Camera Handling and Public Relations	OYI Studio, Thodupuzha	21/01/2019	31/05/2019	30
Internship	Internship in the field of Web and Mobile Application Development	Progressive Software Solutions and Training, Muvattupuzha	23/07/2018	29/03/2019	13
Internship	Travel Agency Training	Kairos Training Institute, Thodupuzha	01/07/2018	30/03/2019	36
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Kerala Enviro Infrastructure Ltd.	08/10/2018	Removal of hazardous waste	125
Institute of Cost Accountants of	11/10/2018	Cooperate to conduct oral	30

India		coaching classes	
Young India	26/10/2019	Provide industrial exposure to students	6
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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
6500000	6824189

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	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added

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
LIBSOFT	Fully	4.1	2004
KOHA	Partially	4.19	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	76569	4191045	1604	594777	78173	4785822
Reference Books	1846	923000	36	111600	1882	1034600
Digital Database	1	5900	1	19470	2	25370
Journals	72	121216	9	23400	81	144616
CD & Video	668	33400	0	0	668	33400
Library Automation	1	30000	1	90000	2	120000
Others (specify)	86	100000	0	0	86	100000

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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
Dr. T.M. Jacob	Advanced Multivariate Analysis	Google Classroom	04/06/2018
Mathews K. Manayani	Classical and Stastical Mechanism	Google Classroom	08/08/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	431	5	3	1	0	2	16	100	0
Added	29	0	1	0	0	0	0	100	0
Total	460	5	4	1	0	2	16	200	0

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

100 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
Media Lab	http://nirmalacollege.ac.in/media-lab/

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
78	77.06	35	35.5

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, provide link)

The college has an established system for maintenance and utilisation of computers, classrooms, equipment and laboratories in the campus. An active Planning Body is operating in the college to fill the potential lacunae in the infrastructural, curricular, cocurricular and extracurricular areas. The planning body of the college comprises Building Committee, Planning Board, Purchase Committee, Campus Development Committee, Campus Ecological Committee and Library Advisory Committee constantly monitors and evaluates the status of the college. Maintenance of Physical Facilities The physical facilities including Auditorium, A/C Seminar Halls, Smart classrooms, Laboratories, Classrooms and Computers etc. are for the students admitted in the college. The

physical facilities are maintained and monitored by Local Manager (Bursar) appointed by Corporate Educational Agency Kothamangalam. A standardized protocol is installed to tackle problems comprising a maintenance register and a team of troubleshooters consisting of electricians, technocrats, and carpenters. Maintenance Classrooms and Laboratories All classrooms are laid out with adequate infrastructure befitting teaching and learning. Laboratories of Nirmala College are fully functional with all necessary equipment and apparatuses. The college has eight labs with all necessary shielding from hazardous materials and situations. Improved safety is ensured through instant evacuation plots, exhaust ducts, goggles, masks and first aid kits. Concentrated acids and hazardous chemicals are safely kept in lockers. All of them equipped with fire extinguishers and other primary firefighting paraphernalia. All the 7 computer labs (Including elearning centre and Language lab) are equipped with adequate number of computers. Classrooms with furniture, teaching aids and laboratories are maintained by the respective department staff and attendants and supervised by the respective Head of the Department. The laboratory assistants take care of their respective laboratories. Maintenance of ICT facilities The college uses TCS (Total Campus Solution) maintained by Meshilogic, Kinfra Techno Industrial Park Kerala. The annual maintenance includes the required software installation and upgradation. The ICT Smart Class Rooms and the related systems are maintained with AMC. Campus WiFi is maintained by service providers like BSNL, Asianet and Keralavision. The college website has maintained regularly by AMC with IPSR Kottayam. Library Maintenance The library staff is clearly instructed in the care and handling of library documents, particularly during processing, shelving and conveyance of rare books. The library is well maintained in tune with the changing academic needs. It is fully automated using KOHA. All books are marked, classified and advantageously placed on the racks. As a proactive intervention, all books are periodically inspected to find possible damages and binding is carried out if necessary. Maintenance of Sports and Games Facility The sports equipment, Gymnasium, ground and various courts in the Campus are supervised and maintained by the Head of the Physical Education Department. Sports and games are effectively trained and coordinated under the guidance of the physical Education teachers. The entire sports and games are monitored and patched up by the department of physical education. Ground level maintenance is done annually during vacation.

<http://nirmalacollege.ac.in/wp-content/uploads/2019/12/Maintenance-And-Utilization-Policy.pdf>

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	FINMANCIAL AID GIVEN BY TEACHERS AND MANAGEMENT (TUTION FEE, MEDICAL AID, CONSTRUCTION OF HOUSE, STUDY PURPOSE)	60	385160
Financial Support from Other Sources			
a) National	Scholarship and Freeship	1579	250251
b)International	NIL	0	0

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
Soft Skill Development Programme (Walk with a scholar Programme by Govt of Kerala)	01/07/2018	60	Department of Collegiate Education, Govt of Kerala Dr. Vinod K V, Coordinator, Ph: 9495015774
Remedial Coaching	03/09/2018	134	Ms. Ambily Elizabeth George, Coordinator, Ph: 9744763434
Remedial Coaching (Scholar support Programme by Govt of Kerala)	03/09/2018	150	Collegiate Education Department, Govt of Kerala Ms. Ambily Elizabeth George, Coordinator, Student Support Programme, Ph: 9744763434
Language Lab	02/07/2018	413	Prince Samuel, Department of communicative English, Ph: 9809182333
Bridge Course	02/07/2018	10	Dr. J Georgi Neernal, Department of Economics Ph: 9446608921
Yoga and meditation	06/08/2018	18	Yogacharya Sri. Paul, Madakathanam, Ph: 9400877725
Personal Counselling	02/07/2018	222	Sr. Rosmin Paickattu, Councilor, Nirmala College Muvattupuzha, Sr. Tessa Joseph, Department of Botany
Career Counselling programme	02/01/2019	740	Career Guidance and Placement Cell, Nirmala College Muvattupuzha
Soft Skill Development Programme (Communication skills in English)	16/08/2018	152	Dr. T.M Jacob, Department of Statistics, Fr. Francis Koloth, Department of

and Hindi,
Interview
Techniques,
Training for GD)

Malayalam

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Guidance for competitive examination (Bank Coaching, PSC, NET) through Nirmala Institute of Competitive Studies Career Guidance through Career Guidance and Placement Cell	173	740	21	207

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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
2	2	2

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
COGNIZANT EXL SERVICE Goan Institute International Consociation of Education Pvt Ltd, Edappally	433	196	ALFalsh Public School, Panipra P. O, Kothamangalam, phone. 99 46749590 Alhind Tours and Travels, Thodupuzha	69	11

Cochin Infosys KRUTHIUM SOLUTIONS PVT LIMITED Maxwell Geosystems, Kochi , Innoval Digital Solutions, Technopark, TVM Tata consultancy services TCS Wipro B			Allianz, Technopark TVM Baha Hotel, Cochin Sree Narayana College, Pothanikkadu St. Peters college, Kolenchery Tea		
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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
2019	4	BCA	COMPUTER SCIENCE	CUSAT COCHIN	MCA
2019	2	BCA	COMPUTER SCIENCE	FISAT ANGAMALY	MCA
2019	1	BCA	COMPUTER SCIENCE	Ilahia College, Muvattupuzha	MBA
2019	3	BCA	COMPUTER SCIENCE	MA College, Kothamangalam	MCA
2019	5	BCA	COMPUTER SCIENCE	Nirmala College, Muvattupuzha	MCA
2019	1	BCA	COMPUTER SCIENCE	RIT, Pambady, Kottayam	MCA
2019	1	BCA	COMPUTER SCIENCE	Shanthigiri, Vazhithala	MCA
2019	1	BA Economics	Economics	Sree Sankara College, Kalaady	M A Economics
2019	1	BA Economics	Economics	St. Thomas College Palai	M A Political science
2019	1	BA Economics	Economics	St. Thomas College Palai	M A Economics
2019	1	B.com-OMSP	Commerce sf	De Paul Institute of science and Technology, Angamaly	Mcom

2019	1	B.com-OMSP	Commerce sf	Jai Bharath Arts and science College Arackappady, vengola po, perumbavoor	Mcom Finance and Taxation
2019	3	B.com-OMSP	Commerce sf	Logic School of Management	CMA India
2019	1	B.com-OMSP	Commerce sf	Logistics in Shipping and supply chain management	Logistics
2019	1	B.com-OMSP	Commerce sf	LOVELY PROFESSIONAL UNIVERSITY ,PUNJAB	MBA
2019	1	BSc Mathematics	Mathematics	St Thomas College Pala	MSc Mathematics
2019	1	BSc Mathematics	Mathematics	UC College Aluva	MSc Mathematics
2019	1	MSc. STATISTICS	STATISTICS	KERALA UNIVERSITY	M.Phil.STATISTICS
2019	1	B. Sc Botany	Botany	Al Azhar college, Thodupuzha	LLB
2019	1	B. Sc Botany	Botany	Cochin University of Science and Technology	MSc Environmental Science
2019	2	B. Sc Botany	Botany	College of indigenous food technology konni	Msc. Food Science Technology
2019	1	B. Sc Botany	Botany	Devamatha college, Kuravilangadu	M.Sc Botany
2019	1	B. Sc Botany	Botany	IGNOU	PG Diploma in Environment & Sustainable development
2019	2	B. Sc Botany	Botany	M.A. College, Kot hamangalam	M.Sc. Microbiology
2019	2	B. Sc Botany	Botany	MES , Marampally	M.Sc Biotechnology

2019	1	B. Sc Botany	Botany	Queens University Belfast, London	Msc food technology and quality assurance
2019	2	B. Sc Botany	Botany	Sree Narayana college of education, Muvattupuzha	BEd
2019	1	B. Sc Botany	Botany	Sree Narayana Guru college of arts and science	MSW
2019	3	B. Sc Botany	Botany	St. Peter's college, Kolenchery	M.Sc Biotechnology
2019	3	B. Sc Botany	Botany	University college (M.G) of Teacher Education, Muvattupuzha	B.Ed Natural Science
2019	1	BA Economics	Economics	M S University Vadodara, Gujarat	MHRM
2019	3	BA Economics	Economics	John Mathai Centre Thrissur	MA Economics
2019	1	BA Economics	Economics	MES College, Marampally	MBA
2019	1	BA Economics	Economics	MG University, Kottayam	MA Economics
2019	1	BA Economics	Economics	NewMan College, Thodupuzha	MA Economics
2019	1	BA Economics	Economics	Nirmala College Muvattupuzha	MHRM
2019	4	BA Economics	Economics	Nirmala College Muvattupuzha	MA Economics
2019	1	BA Economics	Economics	Pondicherry University	MA Economics
2019	1	BA Economics	Economics	S C M S Kalamassery	MBA
2019	1	BA Economics	Economics	S H College Thevara	M A Economics
2019	2	B.com-OMSP	Commerce sf	Nirmala college	M.com finance

				muvattupuzha	
2019	1	B.com-OMSP	Commerce sf	Saveetha school of management v ellapanchava dii	MBA
2019	1	B.com-OMSP	Commerce sf	School of management and business studies,mg university , athirampuzha kottayam	MBA
2019	1	B.A English Literature and Communication Studies	Communicative English	Nirmala college Muvattupuzha	M A English
2019	1	B.A English Literature and Communication Studies	Communicative English	Santhigiri College Vazhithala	MSW
2019	1	B.A English Literature and Communication Studies	Communicative English	Secred Hearts Thevara	MCJ
2019	2	B.A English Literature and Communication Studies	Communicative English	SNDP College ,Muvattupuzha	BEd
2019	1	B.A English Literature and Communication Studies	Communicative English	Sree Narayana College Paingottoor	MSW
2019	1	B.A English Literature and Communication Studies	Communicative English	Sree Narayana Training college Okkal	BEd
2019	1	B.A English Literature and Communication Studies	Communicative English	St .Pauls college Kalamassery	M A English
2019	1	B.A English Literature and Communication Studies	Communicative English	St .Pauls college Kalamassery	Business

2019	1	B.Sc. Physics Model 2	Physics	Department of Marine Geology and Geo Physics	MSc
2019	3	B.Sc. Physics Model 2	Physics	Marathanasius College of Engineering, Kothamangalam	MCA
2019	1	B.Sc. Physics Model 2	Physics	MES College, Marampally	MSc
2019	1	B.Sc. Physics Model 2	Physics	Morning Star Home Science College, Angamaly	MSc
2019	1	B.Sc. Physics Model 2	Physics	Nirmala College, Muvattupuzha	MCA
2019	1	B.Sc. Physics Model 2	Physics	TIME	Bank PO
2019	1	B.Sc. Physics Model 1	Physics	Indira Gandhi College of Arts and Science	MSc
2019	1	B.Sc. Physics Model 1	Physics	Madras Christian College, Chennai	MSc
2019	1	B.Sc. Physics Model 1	Physics	Maharaja's College, Ernakulam	MSc
2019	3	B.Sc. Physics Model 1	Physics	Mar Athanasius College, Kothamangalam	MSc
2019	2	B.Sc. Physics Model 1	Physics	Newman College, Thodupuzha	MSc
2019	4	B.Sc. Physics Model 1	Physics	St. Thomas College, Pala	MSc
2019	1	B.Sc. Physics Model 1	Physics	Vellore Institute of Technology, Vellore Campus	MSc
2019	2	B.Sc Zoology	Zoology	CENTRAL UNIVERSITY, KASARGODE	M.Sc ENVIRONMENTAL SCIENCE

2019	2	B.Sc Zoology	Zoology	CHRIST COLLEGE, IRINJALAKUDA	MSW
2019	1	B.Sc Zoology	Zoology	GOVT.MODEL H.S.S, MUVATTUPUZHA	M.Sc ENVIRONMENTAL SCIENCE
2019	1	B.Sc Zoology	Zoology	KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES	M.Sc FOOD TECHNOLOGY
2019	1	B.Sc Zoology	Zoology	LOYOLA COLLEGE, CHENNAI	MSc
2019	2	B.Sc Zoology	Zoology	M A COLLEGE, KOTHAMANGLAM	MSc
2019	1	B.Sc Zoology	Zoology	M A COLLEGE, KOTHAMANGLAM	M.Sc MICROBIOLOGY
2019	1	B.Sc Zoology	Zoology	M.E S COLLEGE, MARAMPALLY, ALUVA.	M.Sc MICROBIOLOGY
2019	1	B.Sc Zoology	Zoology	MARTHOMA COLLEGE, PORUMBAVOOR	M.Sc ZOOLOGY
2019	1	B.Sc Zoology	Zoology	N S S COLLEGE, CHANGANASSERY	M.Sc ZOOLOGY
2019	1	B.com-Taxation	Commerce sf	Govt.Law College,kozhikode	LLB
2019	1	B.com-Taxation	Commerce sf	Logic school of management palarivattom ,cochi	CMA India
2019	1	B.com-Taxation	Commerce sf	Lovely professional university ,phagwara, punjab	MBA
2019	1	B.com-Taxation	Commerce sf	Macfast college thiruvalla	MBA
2019	6	B.com-Taxation	Commerce sf	Nirmala College , Muvattupuzha	M.com
2019	1	B.com-Taxation	Commerce sf	SB College, Changanassery	MBA
2019	1	B.com-	Commerce sf	Viswajyothi	MBA

		Taxation		College of Management	
2019	1	B.A English Literature and Communication Studies	Communicative English	Al-Ahzar training college Thodupuzha	BEd
2019	1	B.A English Literature and Communication Studies	Communicative English	Al-Ahzar training college Thodupuzha	TTC
2019	1	B.A English Literature and Communication Studies	Communicative English	Banglore	MBA
2019	1	B.A English Literature and Communication Studies	Communicative English	Coimbatore	MCJ
2019	1	B.A English Literature and Communication Studies	Communicative English	Don Bosco	MCJ
2019	1	B.A English Literature and Communication Studies	Communicative English	K E College Mannanam	M A English
2019	1	B.A English Literature and Communication Studies	Communicative English	MES Training college Edathala	BEd
2019	4	BCA	COMPUTER SCIENCE	CET, TRIVANDRUM	MCA
2019	1	BCA	COMPUTER SCIENCE	Amity College ,Ernakulam	MBA
2019	1	BCA	COMPUTER SCIENCE	Sree Narayana College, Coimbatore	MSW
2019	2	BCA	COMPUTER SCIENCE	UC College, Aluva	MBA
2019	1	B.A Malayalam	Malayalam	CMI Monastery ,Neryamangalam	MA Malayalam
2019	7	B.A	Malayalam	Nirmala	MA Malayalam

		Malayalam		College Muvattupuzha	
2019	1	B.A Malayalam	Malayalam	SNDP College of Teacher Education	BEd
2019	1	B.A Malayalam	Malayalam	Sree Sankara charya Univesity (Ettumanoor)	MA Malayalam
2019	1	B.A Malayalam	Malayalam	St. Thomas College Pala	MA Malayalam
2019	1	B.A Malayalam	Malayalam	St.Xavious College Aluva	MA Malayalam
2019	1	B.A Hindi	Hindi	college of Teacher education,kottayam.	BEd
2019	3	B.A Hindi	Hindi	CUSAT	MA Hindi
2019	1	B.A Hindi	Hindi	IGNOU STUDY CENTRE,NIRMALA COLLEGE	MA Economics
2019	5	B.A Hindi	Hindi	NIRMALA COLLEGE, MUVATTUPUZHA,	MA Hindi
2019	2	B.A Hindi	Hindi	S.N.D.P TRAINING COLLEGE,MUVATTUPUZHA	BEd
2019	1	B.A Hindi	Hindi	S.S.U.S,KALADY	MA Hindi
2019	1	B.A Hindi	Hindi	SREENARAYANA COLLEGE OF ARTS AND SCIENCE,	MSW
2019	1	B.A Hindi	Hindi	ST.THOMAS COLLEGE,PALA	MA Hindi
2019	7	BSc Mathematics	Mathematics	Nirmala College Muvattupuzha	MSc Statistics
2019	2	BSc Mathematics	Mathematics	Nirmala College Muvattupuzha	MA Economics
2019	1	BSc Mathematics	Mathematics	Al-Azhar College of Arts and Science	MSc Mathematics
2019	1	BSc Mathematics	Mathematics	Christ College Banglore	MSc Mathematics

2019	1	BSc Mathematics	Mathematics	Christ College Banglore	Diploma
2019	4	BSc Mathematics	Mathematics	MA College Kothamangalam	MSc Mathematics
2019	1	BSc Mathematics	Mathematics	MA College Kothamangalam	MSc Statistics
2019	2	BSc Mathematics	Mathematics	Maharajas College Ernakulam	MSc Statistics
2019	3	BSc Mathematics	Mathematics	Newman College Thodupuzha	MSc Mathematics
2019	2	BSc Mathematics	Mathematics	Nirmala College Muvattupuzha	MSc Mathematics
2019	1	BSc Mathematics	Mathematics	St Peters College Kolenchery	MSc Mathematics
2019	3	B.Sc Zoology	Zoology	NIRMALA COLLEGE, MUVATTUPUZHA	M.Sc ZOOLOGY
2019	1	B.Sc Zoology	Zoology	S H COLLEGE, THEVARA	M.Sc ZOOLOGY
2019	4	B.Sc Zoology	Zoology	S N COLLEGE OF EDUCATION, MUVATTUPUZHA	B.Ed IN NATURAL SCIENCE
2019	1	B.Sc Zoology	Zoology	U C COLLEGE, ALUVA.	M.Sc ZOOLOGY
2019	1	B.Sc Zoology	Zoology	UNIVERSITY OF CALICUT	M.Sc APPLIED ZOOLOGY
2019	1	B.Sc Zoology	Zoology	VETERINARY COLLEGE	Diploma in Laboratory Techniques
2019	1	B.Sc Zoology	Zoology	Manipal University	MHA
2019	2	BTTM	Management Studies	Nirmala College, Muvattupuzha	MTTM
2019	1	M.A ENGLISH	ENGLISH	BRITISH COUNCIL	CELTA
2019	4	M.A ENGLISH	ENGLISH	ST THOMAS COLLEGE OF TEACHER EDUCATION	Bed
2019	3	M.A ENGLISH	ENGLISH	SNDP COLLEGE, MUVATTUPUZHA	Bed
2019	1	M.A ENGLISH	ENGLISH	VISWAJYOTHI	MBA

				ENGINEERING COLLEGE	
2019	1	M.A ENGLISH	ENGLISH	TES	NET COACHING
2019	1	M.A ENGLISH	ENGLISH	SREE NARAYANA TRAINING COLLEGE, OKKAL	BEd
2019	1	BSc Chemistry	Chemistry	Scotland	MSc. Chemistry
2019	1	BSc Chemistry	Chemistry	Angamaly	BEd
2019	4	BSc Chemistry	Chemistry	Christ University, Bangalore	MSc. Chemistry
2019	1	BSc Chemistry	Chemistry	CMS Kottayam	MSc. Chemistry
2019	1	BSc Chemistry	Chemistry	Milwaukee	IELTS Coaching
2019	4	BSc Chemistry	Chemistry	MA College, Kothamangalam	MSc. Chemistry
2019	2	BSc Chemistry	Chemistry	Maharajas College, Ernakulam	MSc. Chemistry
2019	1	BSc Chemistry	Chemistry	Mar Ivanious, Trivandrum College	MSc. Chemistry
2019	1	BSc Chemistry	Chemistry	Newman Thodupuzha	MSc. Chemistry
2019	1	BSc Chemistry	Chemistry	Nirmala College Muvattupuzha	MA Hindi
2019	1	BSc Chemistry	Chemistry	Nirmala College Muvattupuzha	MSc. Chemistry
2019	4	BSc Chemistry	Chemistry	SN College of Education Muvattupuzha	BEd
2019	1	BSc Chemistry	Chemistry	SNDP Yogam Training College Adimaly	BEd
2019	1	BSc Chemistry	Chemistry	Sree Sankaracharya College, Kalady	MSc. Chemistry
2019	1	BSc Chemistry	Chemistry	SSV, Valayan chirangara	MSc. Chemistry

2019	1	BSc Chemistry	Chemistry	St Joseph's College of Teacher Education Mylacompu	BEd
2019	1	BSc Chemistry	Chemistry	St. Joseph's College Moolamattom	MSc. Chemistry
2019	2	MSc Chemistry	Chemistry	St.Lukes ,Mu vattupuzha	NET Coaching
2019	3	BSc Chemistry	Chemistry	TMJMGC, Mani malakunnu	MSc. Chemistry
2019	1	BSc Chemistry	Chemistry	Trivandrum	IAS Coaching
2019	1	BSc Chemistry	Chemistry	UC College, Aluva	MSc. Chemistry
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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	12
SET	2
Any Other	7
View File	

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

Activity	Level	Number of Participants
Sports	Institutional	860
Cultural	Institutional	912
View File		

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
2019	National Champion, Reliance Youth Football	National	1	0	0	VYSAKH MOHAN AND TEAM
2019	Nil	Internatio nal	0	0	Nil	Nil
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The College Union Executive Committee is empowered to promote and facilitate student activities of the campus. The union executive members are elected from the class representatives who are elected through the secret ballot. The union consists of a Chairperson, Vice Chairperson, General Secretary, two University Union Councillors, Arts Club Secretary and Student Editor. College Union organises various extracurricular activities in the campus. They organise arts fest, sports fest, food fest, Onam and Christmas Celebrations, Exhibition and many other capacity enhancement activities of the campus. All students' related activities are carried out under the leadership of the College Union, advised and facilitated by the Staff Advisor. All important decisions are taken in the combined meetings of the union executive members, class representatives and association secretaries, which are convened regularly. The student representatives express their views and raise opinions in a democratic spirit. Apart from the students council, the activities of clubs and forums like NSS, NCC, Women's cell, Debate and Oratory club, Quiz Club, Nature club etc. are coordinated by the students along with the faculty coordinators. Student representatives are also given opportunities to associate with administrative bodies like IQAC, Canteen Committee, Anti ragging Committee, Ethics committee etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of Nirmala College has been functioning for many years as a supportive organ of the college and playing a pivotal role in the pursuit excellence in the field of higher education. The Alumni Association has received official registration under the Travancore Cochin Cultural, Literary, Scientific and Charitable Societies Act 1955 (EKM/TC/512/2018) on 24th October 2018. The college has illustrious alumni who are spread over different parts of the globe and the Association is playing a pivotal role in keeping them all connected.

5.4.2 – No. of enrolled Alumni:

941

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

884863

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni Association of Nirmala College has been functioning for many years as a supportive organ of the college and playing a pivotal role in the pursuit excellence in the field of higher education. The Alumni Association has received official registration under the Travancore Cochin Cultural, Literary, Scientific and Charitable Societies Act 1955 (EKM/TC/512/2018) on 24th October 2018. The college has illustrious alumni who are spread over different parts of the globe and the Association is playing a pivotal role in keeping them all connected. The activities and contributions of the association are the following: Alumni Meetings • The alumni association convenes its Annual Meet on second Saturday of January every year. This year Alumni Association convened its Mega Alumni Day on 13012018 at Msgr.Thomas Nedukallel Auditorium. Justice K. Narayanakurup was the keynote speaker. The Golden Jubilee batch (1968) was honoured on this occasion. The presence of life members of the association, former principals, teachers and the alumni from various walks of life made the meeting a grand success. Departmental alumni gatherings are also conducted. An induction ceremony of the outgoing students of final year degree and post graduate courses was also organized as part of the Alumni day. The Executive

Committee of Alumni Association met seven times this academic year. • The Association has Chapters at Germany, Bahrain, UAE and Ernakulam. • 8 alumni meetings of different batches were conducted this year. Infrastructure Development • Alumni Association has extended their support in the development of infrastructure facilities of the institution. • Alumni members of department of chemistry contributed a sum of Rs.6,93,776 for the renovation of chemistry laboratory. Alumni Lecture Series • The college has a good practice of organizing Alumni lectures at the institutional level as part of Alumni Lecture Series. The alumni association instituted this Lecture Series in the year 2016. As a part of this, five lectures were given by our prominent alumni • Fr. Saju K. Mathai (former student of B.Sc. Mathematics) delivered a lecture on "An Exploration into the World of Numbers on 20 June 2018, under the auspices of Mathematics Department. • Dr. Jessy Jose, Assistant Professor, Department of Physics, IISER, Tirupati delivered a lecture on "Star and Planet Formation" on 14 September 2018, under the auspices of Physics department. • Dr. Basil Mathews (1971/1974 B.Sc. Physics batch), retired Scientist from NPDL, Kochi, delivered a lecture on "Climate Change", arranged by department of Zoology on 29 September 2018. • Dr. Aney Paul, (1972/74 PreDegree batch), Rockland Country Legislator, New York, U.S, delivered a lecture on "Social Responsibility of Youth" on 01 February 2019 organised by Department of Zoology. • Dr. M.C. Dileepkumar (1971/1973) former Vice Chancellor, SSU, Kalady delivered a lecture on the "Cultural Heritage of the Country" on 22 November

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)

Ever since the inception of the college, effective administration is carried over through the policy of decentralisation. This inclusive and participatory functioning style creates an environment of solidarity and mutual respect which ensure the smooth functioning and growth of the institution. Recommendations and suggestions are invited from the stakeholders before the policymaking. Staff Meetings, Students Union Meetings, Council Meetings, IQAC Meetings and Alumni Meetings are conducted to pool opinions and proposals. The 'principle of subsidiarity' is followed here for effective administration. It implies the proper delegation of authority to the grass root level. By applying this principle, the college effectively grooms proper leadership at various levels. Faculty members are given opportunities to develop leadership skills and are given financial assistance to attend training programmes and workshops to equip them to take lead roles in the various curricular and cocurricular activities of the college. Functional autonomy is granted to all departments and units in the college. Thus, a participative culture is evolved in the institution. At each level and sphere of activity, the teachers and students cooperate with each other for the successful implementation of the prospective plans. This work culture generates goodwill among the entire college community and motivates all to work in unison to achieve the different objectives set by the authorities in consultation with the stakeholders. Construction of Administrative Block The managing board is the apex body of Nirmala College, Muvattupuzha. The suggestions given by departmental staff meetings, staff council and IQAC are discussed in the managing board and implemented in the college. One of the many instances of participatory and decentralized management of the college is the Campus Rejuvenation Project proposed in 2016 and completed in 2019. This project was launched in 2016 with the objective of upgrading the college facilities like infrastructural development, complete automation of the office system and increased accessibility to the various resources of the college. An Advisory board was constituted to develop a blue print of the project and to develop strategic plans to involve all

stakeholders. Subcommittees were formed with members from the teaching and nonteaching staff, former faculty, PTA representatives, students, Alumni. The Subcommittees developed strategic plans to implement the project. The inclusion of a recreational hall for teachers was suggested by the staff members. ICT enabled Teaching and Learning It was suggested in the previous NAAC committee report to include more ICT facilities in the college. The student satisfaction survey also indicated the same. The IQAC and staff meeting discussed the matter in detail and requested the management to strengthen the digital environment in the college. The following innovations are made in the college. ? Digital theatre ? WhiteSmoke ? More modules in MIS ? Additional 3 smart rooms ? KOHA ? 8 LCD projectors ? 6 smart TVs

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
Library, ICT and Physical Infrastructure / Instrumentation	College Installed Library Management Software KOHA. The following facilities were introduced for physical augmentation: 1. Digital Theatre 2. Video Conferencing 3. 3 Smart Class rooms 4. Divyangjan Friendly Library 5. Addition of Reference Books 6. Enhancement of Wifi Facilities 7. Increase in Bandwidth to 200 Mbps
Human Resource Management	The college recruits and promotes teaching and nonteaching staff as per the norms of UGC, State Govt., and MG University. The Principal regularly meets the staff and addresses their grievances if any. The IQAC and departments organized 16 FDP for the faculty. Their are annual community lunches and life renewal programmes for teaching and nonteaching staff. There is a new guest house and a Recreation hall for the staff.
Industry Interaction / Collaboration	1).Linkage for internship with OYI Studio Thodupuzha (Communicative English), 2). MOU with Kerala Enviro infrastructure limited for removal of hazardous waste. 3). Linkage for internship with Progressive software solutions and training Muvattupuzha (MCA)
Admission of Students	The college admits students through online centralized admission process (CAP). Due weightage is given for Divyagjan, SC/ST/OEC/OBC students. The college also admits students who excel in Sports ad Cultural activities.
Curriculum Development	The college has a good number of faculty members being part of BoS in MG

	University. The curriculum feedback given by various stakeholders is communicated to the university through BoS members 19 value added courses and 4 certificate courses are introduced in this academic year.
Teaching and Learning	The college follows outcome based Education system in its teaching and learning process. The college has enriched the teaching and learning through Moodle and Google Classroom. The college developed Econtents for the students. PG students started studying online courses offered by Edex for additional qualifications.
Examination and Evaluation	The college practices Online Question papers and Online Question Bank System in the University Examinations for PG and UG. The IQAC ensures Open Books Exams for PG students in their internal Examinations for selective courses. A quality printer RESO CV SERIES is installed in the of the controller of examinations
Research and Development	In this academic year two research centers started in English and Zoology. Four faculty members are recognized as Research Guides by MG University. The College Research Promotion Council introduced plagiarism checker software (Whitesmoke). The college has also established Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India on 21 November 2018

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

E-governance area	Details
Planning and Development	Meshilogic, Kinfra Techno Industrial Park Kerala
Administration	Meshilogic, Kinfra Techno Industrial Park Kerala
Finance and Accounts	Meshilogic, Kinfra Techno Industrial Park Kerala
Student Admission and Support	Meshilogic, Kinfra Techno Industrial Park Kerala Student Android/iOS Application
Examination	Meshilogic, Kinfra Techno Industrial Park Kerala

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/	Name of the	Amount of support
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		workshop attended for which financial support provided	professional body for which membership fee is provided	
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College 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)
2018	Memorial Lecture		05/07/2018	05/07/2018	12	0
2018	The Importance of Mitochondrial Metabolism in Cancer		24/07/2018	24/07/2018	10	0
2018	Paristhithiyum Vikasanavum: Samakalika Vicharanga 1		23/08/2018	23/08/2018	98	0
2018	Challenges of Higher Education		17/09/2018	17/09/2018	102	0
2018	Cultural Facets of Post Modern Malayalam Stories		25/09/2018	25/09/2018	14	0
2018	Increasing Personal Qualities to be a Great Teacher		04/10/2018	04/10/2018	96	0
2018	Environment and Development: Present Paradigms		22/10/2018	22/10/2018	105	0
2018	Role of Materials for Underwater Defense Ap		09/11/2018	09/11/2018	11	0

	plications					
2018	Conservation Challenges in the wake of Natural Disaster		29/11/2018	29/11/2018	10	0
2018	Adventures in Scientific Thinking		06/12/2018	06/12/2018	11	0
2019	Teachers for Environment		22/01/2019	25/01/2019	10	0
2019	Saamuhya Valarcha Mathrubhashayude akat halangalil		01/02/2019	01/02/2019	14	0
2019	Language and Culture		05/02/2019	05/02/2019	102	0
2019	From Data to Knowledge		08/02/2019	09/02/2019	15	0
2019	New Paradigms of Research in Literature		27/02/2019	27/02/2019	15	0
2019	Plant Taxonomy		11/03/2019	11/03/2019	15	0
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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
International conference on science, engineering, technology and social sciences	1	11/03/2019	12/03/2019	3
On the Verge of Existence: Narrating Refugee Consciousness	1	12/03/2019	13/03/2019	2

Research methodology, writing practices, language and soft skills	1	14/03/2019	15/03/2019	2
Orientation programme	1	07/06/2018	04/07/2018	28
126th Orientation Programme	1	01/11/2018	28/11/2018	28
Orientation programme	1	01/11/2018	28/11/2018	28
UGC sponsored orientation programme	1	14/11/2018	12/12/2018	28
Orientation programme XXVII	1	14/01/2019	09/02/2019	28
UGC Sponsored Refresher Course	1	06/09/2018	26/09/2018	21
UGC Sponsored Refresher Course in Malayalam Language	2	01/11/2018	23/11/2018	21
UGC Sponsored Refresher Course	1	14/11/2018	04/12/2019	21
UGC Sponsored Refresher Course: Summer School	1	30/11/2018	20/12/2018	21
UGC Sponsored 16th Refresher Course in Women and Gender Sensitization Studies	1	18/12/2018	07/01/2019	21
Refresher Course	1	01/12/2018	22/12/2018	21
Two Week Workshop on research Methodology	2	03/12/2018	17/12/2018	14
UGC Sponsored Refresher Course in English	1	07/12/2018	27/12/2018	21
UGC Sponsored Refresher Course	1	31/12/2018	19/01/2019	21

Refresher Course	1	24/01/2019	14/02/2019	21
RC In Gandhian Studies	1	15/02/2019	07/03/2019	21
UGC Sponsored Refresher Course in Media Studies	1	02/03/2019	22/03/2019	21
Swayam Arpit Online Course Certification	2	01/03/2019	30/03/2019	30
Data analysis and academic writing in social sciences	1	06/08/2018	10/08/2018	5
Expeyes Personal Science Laboratory	1	11/02/2019	13/02/2019	3
International Conference on Advanced Materials	1	12/06/2018	14/06/2019	3
National seminar on Nanomaterials Synthesis and characterisation	1	06/12/2018	07/12/2018	2
Workshop on python programming	1	12/12/2018	13/12/2018	2
Teachers for Environment	1	22/01/2019	25/01/2019	4
MOOCS and econtent development	1	04/02/2019	08/02/2019	5
Processing the Popular	1	14/02/2019	15/02/2019	2
International Conference on Exercise Physiology and Nutrition	1	05/03/2019	07/03/2019	3
Recent Trends in Statistical Sciences	1	07/03/2019	09/03/2019	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time

4	18	8	0
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6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Interest Free Loans are made available on request to Teaching • Financial support is provided for construction of houses and to meet medical expenses • Preference is given to children of teaching and nonteaching staff for admission to various courses • Jobs on compassionate grounds are given to family members of the nonteaching staff • Free medical checkup is available in the campus • Management Faculty are designated as Assistant Professors and follows the UGC norms as their Promotion Criteria • Incentives for research publication by Management staff • Free WiFi facility on campus and email addresses using the domain name of the institution are provided to the staff members • Free rooms for staff in the College Guest house • Maternity Leave • Paternity Leave • GIS • GAINPF • National Pension Scheme • Two ATMS • Canteen facility in a subsidized rate • Discussion Rooms, Staff cooperative society for loan and investment 	<ul style="list-style-type: none"> • Jobs on compassionate grounds are given to family members of the nonteaching staff • Interest Free Loans are made available on request to Non Teaching • Free uniform for supporting Staff • Free WiFi • Support is provided to children of nonteaching staff who are economically challenged • Jobs on compassionate grounds are given to family members of the nonteaching staff • Free accommodation for security staff, PF, Staff cooperative society for loan and investment 	<ul style="list-style-type: none"> • Free WiFi • Digital Theatre • Special rooms and facilities for differently abled in campus and Library (Wheel Chair, Ramps in all buildings • Gymnasium • Separate Parking Facilities for Boys/girls vehicles • Gents Toilet Complex • Student Mobile App • Smart Classes (7 Nos) • Pedestrian friendly roads • 10 park benches • Moodle and google class rooms • Idea Lab • Business Incubation Centre • Plagiarism Checker Software for Students and research(White Smoke) • Digital Theatre

6.4 – Financial Management and Resource Mobilization

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

The college conducts annual audit by Chartered Accountant. The Govt. of Kerala conducts audits into every financial matters through Deputy Directorate of Education, Ernakulam. College regularly audits UGC funds for BVoc, DBT Star College and FIST

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

Reliance Foundation, ICAI, Chipsan Aviation Ltd.	684000	Sports and Academics
View File		

6.4.3 – Total corpus fund generated

884000

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	Prof. Ignacimuthu S.J and Prof. Jacob John Kattakayam	Yes	Corporate Educational Agency Kothamangalam
Administrative	Yes	Prof. Ignacimuthu S.J and Prof. Jacob John Kattakayam	Yes	Corporate Educational Agency Kothamangalam

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

Construction of Administrative Block, Establishment of Digital Theatre, PTA Fund, Bi Annual gathering of parents and teachers, Food Fest
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6.5.3 – Development programmes for support staff (at least three)

Annual life renewal programme, Annual tour, Training programme for laboratory staff

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

Purchase of reference books in library, College in collaboration with KSRTC provides transportation facilities for commuting students Addition of drinking water coolers, Free WiFi facility, introduced smart classes, Applied for post graduate courses in Physics and Botany, Rest Room for Girls, Guest house for Staff, Digital Theatre for Students, Govt. Sanctioned RUSA grant, College selected for Unnat Bharat Abhiyan

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	Yes

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
2018	Merit Day Celebrations	19/07/2018	31/07/2018	31/07/2018	2800
2018	Swatch Bharat Summer	19/11/2018	01/12/2018	30/01/2019	300

	Internships				
2019	Introduction of B.Voc. Programme	04/01/2019	11/01/2019	11/01/2019	120
2019	National Level Competition For Botany Students	04/01/2019	16/01/2019	17/01/2019	80
2018	Publication of the journal Science and Society	12/06/2018	30/06/2018	30/06/2018	23
2018	Orientation programme for research Scholars	08/10/2018	16/10/2018	16/10/2018	50
2018	NET/JRF Coaching for Commerce	02/08/2018	09/09/2018	02/12/2018	35
2018	RUSA Detailed Project report submitted to the State Project Directorate	19/11/2018	10/12/2018	10/12/2018	17
2019	Agreement between RUSA and Nirmala College Muvattupuzha	04/01/2019	08/02/2019	08/02/2019	18
2018	Publication of the journal Science and Society	19/11/2018	31/12/2018	31/12/2018	17
2018	Inauguration of Administrative Block	23/10/2018	29/10/2018	29/10/2018	2800
2018	BVoc Proposal submitted to UGC	06/06/2018	03/07/2018	03/12/2019	24
2018	Approval of Programmes under NSQF BVoc Logistics Management	06/06/2018	31/07/2018	31/07/2018	24
2018	Registered	24/09/2018	27/09/2018	27/09/2018	20

	for UNNATH BHARATH ABHIYAN				
2019	Convocation Ceremony 2019	05/03/2019	09/04/2019	09/04/2019	50
2018	Applied for NIRF Rankings 2019	02/08/2018	11/08/2018	11/08/2018	43
2019	Inauguration of the Research Centre in English	24/01/2019	27/02/2019	27/02/2019	98
2018	Establishmen t of Nagarjuna Herbal Garden	02/08/2018	14/08/2018	14/08/2018	120
2018	AAA Audit	24/09/2018	04/10/2018	05/10/2018	195
2019	360° Feedback on Curriculum	05/03/2019	25/03/2019	25/03/2019	1270
2019	Student Satisfaction Survey on In stitutional Performance	05/03/2019	30/03/2019	30/03/2019	760
2019	Gender Audit	04/01/2019	16/01/2019	16/01/2019	1800
2019	Implementati on of Green Protocol	04/01/2019	15/01/2019	15/01/2019	2600
2018	Softskills Programme to Increase the Employabilit y of Students	12/06/2018	20/06/2018	20/06/2018	180
2018	Seminar on Challenges of Higher Education	13/09/2018	17/09/2018	17/09/2018	102
2018	Adventures in Scientific Thinking	19/11/2018	06/12/2018	06/12/2018	11
2019	Teachers for Environment: An Educators Training Programme in	04/01/2019	22/01/2019	25/01/2019	10

	Urban Forestry and Protection of Environment				
2019	FDP in New Paradigms of Research in Literature	24/01/2019	27/02/2019	27/02/2019	15
2019	Submission of AQAR for academic year 201718	04/01/2019	06/01/2019	06/01/2019	18
2018	Monthly Lecture Series	06/06/2018	26/06/2018	08/03/2019	60
2018	Alumni Lecture Series	06/06/2018	20/06/2018	22/11/2018	55
2019	National Seminar :From Data to Knowledge	24/01/2019	08/02/2019	09/02/2019	30
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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
Seminar on " Transgender samoohavum- Jnadhya pathya Indiyum " by Syama S Prabha	27/07/2018	27/07/2018	150	60
karate programme	17/10/2018	17/10/2018	40	20
self defence programme for women	11/12/2018	11/12/2018	15	0
yoga training for women	05/09/2018	31/10/2018	16	0
driving class for women	09/11/2018	28/02/2019	14	0
Apiculture training	25/01/2019	25/01/2019	82	20
Workshop on organic farming	18/07/2018	19/07/2018	88	28

Flower arrangement training	24/07/2018	24/07/2018	45	10
Flood relief camp	24/08/2018	31/08/2018	20	39
Workshop on Mushroom Cultivation	25/01/2019	25/01/2019	82	20

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
15.86

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	18
Ramp/Rails	Yes	18
Braille Software/facilities	Yes	18
Rest Rooms	Yes	18
Scribes for examination	Yes	18
Special skill development for differently abled students	Yes	18
Any other similar facility	Yes	18

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	0	1	01/01/2019	15	Civil service coaching for students	lack of coaching centers for nearby students	40
2019	0	1	10/11/2018	20	NET Coaching for students	lack of reputed coaching centres in the college locality	30
2018	0	1	01/01/2018	1	Rain water harvesting	Water shortage	2800

					system		
2018	0	1	13/11/2018	3	Providing play ground facility for games to nearby schools	lack of play grounds for schools around college	500
2018	0	1	01/01/2018	390	Bank facility	lack of bank facility around	2800
2018	0	1	09/05/2018	390	ATM Facility	lack of ATM Facility near to college	2800
2018	0	1	18/12/2018	1	Mushroom cultivation training	lack of small scale industries to support local unemployed	102
2018	0	1	07/10/2018	1	Rubber latex quality testing	lack of testing centres around college	5
2018	0	1	25/01/2019	1	Workshop on api culture training	lack of scientific knowledge in bee keeping and honey production	110
2018	0	1	03/08/2018	1	Vocational training programme for organic vegetable cultivation	lack of awareness about organic farming	18
2018	0	1	24/08/2018	5	Flood relief camp	To help the flood affected community	59
2018	0	1	04/09/2018	2	Cleaning of water bodies after	To help the flood affected community	12

					flood		
2018	0	1	27/10/2018	1	Supply of cloth and utensils to flood affected area	support flood affected community	30
2018	0	1	21/11/2018	1	Organ donation campaign	lack of awareness about organ donation	40
2018	0	1	22/02/2018	60	Midday meal programme	inculcate social concern among students	30
2018	0	1	19/12/2018	1	Construction of house for flood affected family	To support the flood affected family	1
2019	0	1	01/02/2019	1	Blood donation camp	lack of awareness about blood donation	10
2019	0	1	01/02/2019	1	Hair donation camp	donation of hair for chemo therapy patients	10
2018	1	0	05/06/2018	365	Arboretum	location of the college is an ideal place for the exsitu conservation of plants	110
2018	1	0	25/06/2018	365	Spices garden	location of the college is an ideal place for the exsitu conservation of spices	115

2018	1	0	25/01/2019	60	Sale of mushroom produced in the college campus	lack of organic mushrooms	105
2018	1	0	15/12/2018	135	KSBB project on impact of floods on bio diversity	detailed study on soil quality after flood	7

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
CODE OF CONDUCT FOR PRINCIPAL	04/06/2018	<ul style="list-style-type: none"> Principal behaves in such a manner that earn respect by upholding integrity, dignity, decorum and efficiency at all levels. Maintain tolerance while dealing with burning issues among students and subordinates. Do not discriminate the faculty members and students on grounds of gender, colour, and creed.
CODE OF CONDUCT FOR TEACHERS	04/06/2018	<ul style="list-style-type: none"> Teachers should refrain from engaging in external jobs that hamper your teaching. Involve in research activities Keep your subject knowledge up to date Treat your colleagues as professional equals, regardless of their status. Teachers should demonstrate to students their commitment for excellence in work, manners and achievement. Teachers should uphold human dignity and promote equality of gender, religion and ethnicity
CODE OF CONDUCT FOR STUDENTS	04/06/2018	<ul style="list-style-type: none"> When a student meets a member of the teaching staff of the college within the campus or outside, it is a matter of politeness that he/she should greet him/her. Students who happen to

		have no class should not loiter in the corridors or campus during class hours. They must either go to the Library and read or retire to their hostels. • Habitual negligence in college work, dishonesty, obscenity in word or act or any other acts of misconduct will invite severe disciplinary action.
CODE OF CONDUCT FOR ADMINISTRATIVE STAFFS	04/06/2018	• The behavior of administrative staffs should be polite and gentle towards students, teachers and public.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Nedumkallel Memmorial lecture on paristhithiyum vikasanavum samakalika vicharangal	23/08/2018	23/08/2018	425
Dr. A.P.J Abdul Kalam Memorial lecture by Prof. C. Vijayan on Adventures in Scientific Thinking	06/12/2018	06/12/2018	320
A talk on Increasing personal qualities to be a great teacher by Fr. (Dr.) S. Ignacimuthu S.J	04/10/2018	04/10/2018	220
Seminar on Vyakthithwa vikasanam bahuwara samoohathil	26/06/2018	26/06/2018	325
Seminar on Teachers for Environment	22/01/2019	25/01/2019	330
Seminar on Environmental issues and ecosystem by rev. Dr. Sebastian Kochupurackal	04/08/2018	04/08/2018	325

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

Paperless campus The college practices paperless system in the campus by introducing softwares in administration, online admission , student management, examination system

Vermi compost and Bio gas plant for effective waste management, the campus uses bio degradable waste to produce organic fertilizers for organic farming. Bio gas plant in the campus produces energy to meet the requirements in the college hostels.

Plastic shredding unit: The plastic shredding unit in the campus recycles and reuses the plastics to substitute the materials used for constructing the roads inside the campus.

Organic Farming The college produces vegetables and other eatables by cultivating 2 acres of land in the campus. The students follow organic manures and fertilizers in the farming . Organic farming products include tapioca, ladies finger, brinjal, tomato, Ginger etc..

Rain water Harvesting system The college has a 151364 litre capacity tank to which the rain water ion the roof top is collected. Water recharging units function in a natural way. The water will trickle down through the earth to the nearby open well. it helps solving the water shortage in the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I : NIRMALA HASTHAM Give a Hand Give a Life Best Practice II: DIGICAMPUS Lets Transform

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

<http://nirmalacollege.ac.in/best-practices/>

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

SWACHH NIRMALA "Green Nirmala, Clean Nirmala" Nirmala College has 53 acres of land rich with vegetation and natural beauty. College was shortlisted in the National level Swachhta Ranking in 2017, 2019 and Green Audit was conducted in the years 201617 and 201819. The NCC cadets and NSS volunteers participated in the Swatch Bharat Internship programme and the college organises Swatchhta Rally every year to create awareness among the students and public. The college maintains 2 acres of organic farm where tapioca, vegetables, plantain etc. are cultivated. Precision farming method was adopted to understand new ways of farming. This initiative is supported by the Govt. of Kerala. An Arboretum - "Oxygen Park" is maintained in the campus where rare and endangered trees are planted and allowed to grow wild in the natural environment. A wellmaintained herbal garden of medicinal plants having indigenous herbs is an asset to the college. The Botanical garden of the college is repository of diverse groups of species under the plant kingdom. A database of the flora in the campus is made and the botanical names are displayed. A Butterfly garden with host plants is maintained to enhance the beauty of the campus. The college has pedestrian friendly paths with trees along the sideways for shade. A 151364litre capacity tank is fixed in the campus in order to collect rain water from the roof top. The water recharging unit functions in a naturally. The water will trickle down through the earth to the nearby open well. This raises the water level in the surrounding areas as well. An effective waste management system is adopted in the campus. Organic waste management is done effectually through Vermin compost plants and Biogas plants and the biogas produced is used in hostels. Different

bins are kept for effective segregation of Biodegradable wastes, Non - biodegradable wastes and ewastes. For the effective disposal of chemical wastes, an MoU is signed with Kerala Enviro Infrastructure Ltd. The college has a plastic shredding unit and the crushed plastics were used for tarring. Solar panels are installed in the campus which generates income regularly. Two blocks of the college now completely depend on solar power for the energy requirements. LED bulbs are installed in new administrative block to minimise the consumption of power. The following initiatives are taken to make Nirmala a paperless campus:

- The campus uses latest software TCS for online admission, internal assessment and fee payment
- The college uses another software named SPARK for salary disbursal, online office work and scholarships
- Submission of Assignments and Projects through online classroom like Moodle and Google classroom.
- Digital Library The Library was completely automated. ILMS (Integrated Learning Management System) was introduced. The first Tuesday of every month is observed as "No Own Vehicle" day to exhort the need for pollution control and the promotion of public transport system. In order to infuse environmental consciousness in the campus, each NSS volunteer has to plant a tree and nurture it while in the campus.

Provide the weblink of the institution

<http://nirmalacollege.ac.in/swachh-nirmala/>

8.Future Plans of Actions for Next Academic Year

1. To motivate the faculty to apply for projects funded by national and international agencies.
2. To Develop more econtents by inhouse faculty.
3. To introduce new learning platforms like TEDx
4. To allocate and apportion RUSA grant effectively.
5. To increase and facilitate the number of students enrolling for online courses offered by Harvard, edX, NPTEL etc.
6. To organise FDPs to help the teachers in neighbouring colleges and institutions.
7. To upgrade institutional website.
8. To obtain funds for our green initiatives from government agencies.
9. To apply for autonomous college status.
10. To conduct more placement drives to provide job opportunities to the students.
11. To strengthen ICT facilities in the college.
12. To increase the publications of the faculty by giving workshops on publishing.
13. To augment the infrastructure facilities.
14. To add more books to the main library.