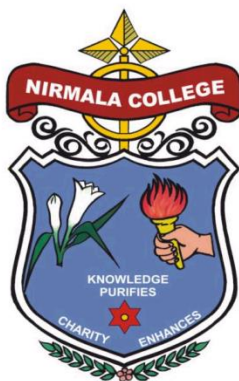


**PROGRESS REPORT BY COLLEGES  
SUPPORTED UNDER THE STAR COLLEGE SCHEME**

**(BT/HRD/11/019/2017)**

**(2018 – 19)**

**SUBMITTED TO  
DEPARTMENT OF BIOTECHNOLOGY  
GOVERNMENT OF INDIA**



**NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)**

**Reaccredited with 'A' Grade by NAAC in the 3<sup>rd</sup> cycle with CGPA of 3.62**

**Awarded STAR status to the Departments of Botany, Chemistry and Zoology**

**Supported by DST FIST at Zero level**

**Redfields, Coimbatore – 641 018.**

**Tamilnadu**

**APRIL 2019**



## **ABOUT THE COLLEGE**

Nirmala College for women, situated in Redfields, Coimbatore-18 is run by the Congregation of the Franciscan Sisters of the Presentation of Mary.

The College had its humble beginning as a second grade College in the year 1948. The founder Msgr.Oubagarasamy,D.D., the Bishop of Coimbatore, with a missionary zeal and farsighted vision worked to contribute his mite to the tremendous task of developing women's education for the development of free India. He sent a proposal to the University of Madras requesting permission for the Coimbatore Diocese to start a college for women in Coimbatore. Thus Nirmala College came into being on the first of July 1948. The college has now emerged as one of the premier institutions of learning, propagating higher values of education and learning, with hopes and dreams to achieve her goal, "***Knowledge purifies, Charity Enhances***".

In recognition of the high academic performance and service the college was accredited with “A” **grade** by NAAC during the academic year 2003-04 and was conferred **Autonomous status** in the year 2007.

The enhancement and sustenance of quality led to the reaccreditation with “A” Grade in the academic year 2010-2011. The UGC Expert committee visited the college on 22<sup>nd</sup> and 23<sup>rd</sup> April, 2014. In the year 2016 the college was once again reaccredited in the III cycle of NAAC to ‘A’ Grade with a score of 3.62 on a 4 point scale. Having secured ‘A’ Grade in all three cycles and with a CGPA score above 3.5, NAAC has extended the accreditation period to seven years. In view of the above achievement, UGC has extended the Autonomous Review to a period of 10 years. The science departments are also strengthened under DST – FIST at zero level.

## **AIM**

Nirmala College for Women aims to equip young women with quality education and life skills, personal skills and social skills that ensure productivity and confidence to take the rightful place in all areas of life, public and private.

## **OBJECTIVES**

**In pursuit of this aim, Nirmala College for Women seeks**

- ✚ To nurture in the students intellectual curiosity, a quest for knowledge and the ability to translate their knowledge to creative use.
- ✚ To develop in the students a capacity to identify their own potential and form a holistic personality.
- ✚ To mould the students into morally upright and spiritually enlightened human beings
- ✚ To sensitize students to be socially committed, to awaken their conscience and enable them to emerge as active agents of social change.
- ✚ To ever promote National Integration.

**PROFORMA FOR THE SUBMISSION OF PROGRESS REPORT (2018-19)**  
**NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)**

1. Name of the College: Nirmala College For Women (Autonomous)
2. Name of the Departments supported : Mathematics, Computer Science, Geography
3. Name of Coordinator, designation, address, phone nos. :

Dr. Pawlin Vasanthi Joseph  
 Associate Professor and Head  
 Department of Zoology  
 Nirmala College for women (Autonomous)  
 Mobile: +919655513364

4. No. of regular faculty with Ph. D in each participating departments:

Sl. No.	Department	No. of Faculty	With Ph. D	With M. Phil
1.	Mathematics	11	10	-
2.	Computer Science	18	3	15
3.	Geography	5	2	2

5. List of courses (B.Sc/M.Sc/PG Diploma, certificate etc) run by different participating departments:

Sl. No.	Department	Courses offered
1.	Mathematics	B. Sc M. Sc M. Phil Ph. D PGDOR
2.	Computer Science	B. Sc (Computer Science) M.Sc. (Computer Science) BCA B. Sc (Information Technology) Certificate course in Multimedia Post Graduate Diploma in Computer Applications (Affiliated to Bharathiar University)
3.	Geography	B. Sc M. Phil Ph. D

6. Cut off percentage for admission in different courses in participating departments, positions in University, percentage of result in 2017-18 academic session:

Sl. No.	Department	Total strength of students	Cut off percentage	Position in University	% of Result Nov.2017
1.	Mathematics	I B.Sc - 55	86 %	Autonomous	90%
		II B.Sc - 44			90%
		III B.Sc - 51			100%
2.	Computer Science	I B.Sc CS- 48	60 %	Autonomous	95.9%
		II B.Sc CS- 46			99.47%
		III B.Sc CS- 39			99.43%
		I BCA - 66			95.6%
		II BCA - 47			97.26%
		III BCA - 60			94.95%
		I B.Sc IT - 49			97%
		II B.Sc IT- 41			99.87%
		III B.Sc IT- 45			98.67%
3.	Geography	I B.Sc - 46	40%	Autonomous	82%
		II B.Sc - 41			67%
		III B.Sc - 28			75%

7. List of projects undertaken by students, industrial visits by students, summer training in last one year.

Department	List of projects	No. of Students (Under projects)
III B.Sc MATHEMATICS 1. Group Project	1. Mathematical Prediction on Admission in Schools	6
	2. Optimization Techniques in Textile Industry	6
	3. A Study on Queuing Model to reduce the waiting time in Fuel Stations	6
	4. Cryptography	6
	5. Karnaugh Maps in Boolean Algebra	6
	6. Leisure Time and Mobile Imprisonment	5
	7. Rate of Natural Increase in Population In India	5
	8. Traffic Signal Control Using Fuzzy Logic	5
	9. Application of Statistics	6
2. Group Project	1. Photoshop	51

II B.Sc Mathematics (using PYTHON)	Basic Programs in PYTHON (Individual Project)	44
I B.Sc Mathematics (using MS-Office)	<b>INDIVIDUAL PROJECT ON DOCUMENT PREPARATION</b> 1. Analytical Geometry -3 2. Practical Geometry 3. Geometry 4. Graph Theory-6 5. Laplace transforms-5 6. Math shapes 7. Sets and Functions – 5 8. Discrete Mathematics – 6 9. Probability 10. Trigonometry 11. Mathematical Modelling 12. Data handling 13. Matrices 14. Abacus 15. Fractions 16. Algebra	36
B.Sc ( Computer Science)	<b>Projects in Android</b>	
	Track Finder	2
	Safe Hit	2
	Dealer –Client Maintenance with Utility Analysis	2
	Text to Speech, Speech to Text	2
	<b>Projects in PHP</b>	
	Online Help Desk	3
	Clinic Management System	2
	Online Restaurant Management system	2
	Secure E-Learning using Data Mining Technique	2
	<b>Projects in Multimedia</b>	
	Interior Design	2
	Water Garden in Interior Design	2
	Restaurant Garden Set	2
Exterior Design of Complex Building	2	

BCA	<b>Projects in Android</b>	
	Plant Info Access	2
	Mobile Police Complaint Application	2
	Reminders	2
	E Bus Pass Registration and Renewal Management System	2
	<b>Projects in PHP</b>	
	Customer Relationship Management System	2
	Web Portal	2
	Discover the world with US	2
	Online Assurance directorates Scheme	2
	<b>Projects in Multimedia</b>	
	Park and Garden Creation	2
	Natural Village	2
	Hotel Interior Design	2
	Hotel Exterior Design	2
B.Sc (Information Technology)	<b>Projects in Android</b>	
	Call Blocker Applications	2
	Finger Print Authentication for emergency system	2
	Self-Learning Android Applications	2
	Anti-theft for Mobile Phones	2
	<b>Projects in PHP</b>	
	Doctor & Patient Record Maintaining and Handling System	2
	Smart Health System	2
	Herbs Information	2
	Customer Focused E Commerce with AI bot	2
	Employee Management System	2
	<b>Projects in Multimedia</b>	
	Interior Design Library Model	2
	Interior Design office Model	2
	City Block Creation	2
Desert Village	2	

### B. Industrial Visit for Students:

Department	Date	Industrial Visit	No. of Students and Class
Mathematics	01.12.2018	Solar Observatory, Kodaikanal	44 II B.Sc
	19.02.2019	Shakthi Sugars, Appakoodal , Erode	55 I B.Sc
B.Sc. Computer Science BCA B.Sc (Information Technology)	5.01.2019 & 6.01.2019	IBAB Research Institute Bangalore.	50 ( II year UG students of Computer Science, Computer Applications and Information Technology)
Geography	24 <sup>th</sup> , 26 <sup>th</sup> July & 7 <sup>th</sup> August	Local field trips to Gass Forest Museum and Regional Science Centre and TNAU and Insect Museum	I, II & III yrs, (114 students)
	12.09.18 to 14.09.18	Educational trip to Trivandrum and Kanyakumari	II & III yrs (39 students)
	14.12.2018	Siruvani Water Treatment Plant	I B.Sc (40 students)
	05.01.2018	Kundah -4 Penstock, Athikadavu and Bhavani River	II & III B.Sc. (62 students)

### C. Summer/Winter Training:

Department	Date	Summer /Winter Training	No. of Students
Mathematics	Nil		
B.Sc. Computer Science BCA B.Sc (Information Technology)	26.12.2018 to 30.12.2018 (5 days)	<b>Winter Training</b> Ms. Manjula Devi Academic Head, Global Vision Training Academy. Coimbatore	40 ( II <sup>nd</sup> year UG students of Computer Science, Computer Applications and Information Technology)
Geography	Nil		



8. Training received by faculty from participating departments:

<b>Department</b>	<b>Date</b>	<b>Training</b>	<b>No. of Faculty</b>
Mathematics	27.11.2018	Faculty Training on Google Docs, Online book Publishing, KAHOOT applications	26
	04.03.2019	Faculty Training on Google docs, Online book Publishing, KAHOOT applications	15
B.Sc ( Computer Science), BCA, B.Sc( Information Technology)	21.02.2019	Faculty Development Programme on “Latex”	23 (Staff Members from Mathematics, Physics, Computer Science, Computer Applications and Information Technology)
	05.03.2019	Faculty Development Programme on “Data Analytics with R”	22 (Staff Members from Mathematics, Botany, Bioinformatics, Computer Science, Computer Applications and Information Technology)
Geography	17.05.2018 to 13.06.2018	119th Orientation Programme, UGC - HRDC Bharathiyar University	2
	22.06.2018 to 23.06.2018	Workshop on Outcome Based Education, IQAC, Nirmala College for Women Coimbatore - 18	3
	16.09.2018 to 22.09.2018	Creating a Sustainable Future : The Auroville Experience, Auroville , Pondicherry	1
	13.10.2018	Workshop on Outcome Based Education, IQAC, Nirmala College for Women Coimbatore - 18	3
	27.11.2018	FDP, Hands on training on Google docs, Kahoot apps and online book publishing, Department of Mathematics, Nirmala College for Women-18	2

Geography	19.01.19	FDP on tuning academic research for potential funding opportunities, Department of Chemistry, Nirmala College for Women-18	2
	2.02.2019	Workshop on intellectual property rights, patent and copyrights, IQAC, Nirmala College for Women	3
	21.02.2019	Workshop on Latex, Department of Computer science, Nirmala College for Women-18	1
	14.12.2019	FDP on Statistical Analysis Using SPSS, Department of Botany Nirmala College for Women	1

9. List of exhibition/seminars/training courses conducted by the college:

Department	Date	Exhibition, Seminars, Training	No. of Participants
Mathematics	16.10.2018	Soft skills Training	UG- 151 Students
	13.12.2018	Ramanujan's Day Inter departmental Competitions	30
	14.12.2018	Ramanujan's Day Intra departmental Competitions	50
	20.12.2018	Inter-collegiate Competitions	90
	19.01.2019	Hands on Training - Data Analytics Developed in PHYTON	51
	24.01.2019	Hands on Training on R- Language	51
	16.02.2019	Hands on Training on Content Development using Office Automation tools	55
	21.02.2019	National Seminar on "Recent Trends in Graph Theory-2019"	150

	02.03.2019	Hands on Training on Big Data Analytics	44
	02.03.2019	Hands on training- Document Preparation	55
B.Sc ( Computer Science), BCA, B.Sc( Information Technology)	05.12.2018 - 06.12.2018	Two day Workshop Digital Marketing	149
	07.12.2018, 10.12.2018 & 11.12.2018	Three Day Hands on Training Python Programming	134
	13.12.2018	Guest Lecture Data Science	149
	20.12.2018	Guest Lecture Career Prospects & Cyber Security as a Career Choice	149
	18.01.2019	Guest Lecture Cloud Computing	134
	04.02.2019	Guest Lecture Soft Skills	134
	05.02.2019	Technical Meet and Inter School Exhibition Artificial Intelligence, Robotics and Internet Of Things	168
Geography	11.02.2019	Guest Lecture Cyber Security	134
	14.02.2019	Guest Lecture Artificial Intelligence and Machine Learning.	164
	19.02.2019	One Day National Seminar Recent Trends in Innovative Technologies	462
	26.02.2019	Guest Lecture Recent Trends in Information Technology	164
	26.02.2019	Coaching Class For NET & SLET Paper I –Aptitude Questions	45
	08.03.2019	Guest Lecture Selenium Tool	30

Geography	02.08.17	School Extension program - Symposium followed by GeoQuiz and Exhibition on “Zero day & traditional water wisdom”	23 School Teachers, 176 School Students, 110 UG Students
	16.09.18 to 22.09.18	Students attended a residential workshop on “Creating a sustainable future “at Auroville, Pondicherry	1 staff and 3 students
	29.11.18	Workshop –Menstrual hygiene and sustainable environment	112 students and 5 staff members
	07.12.18	Workshop- Bio enzymes for Healthy Environment	112 students and 5 staff members
	15.02.19	Workshop on Global positioning system	70 students and 5 staff members

10. Name, designation, host institute of guest faculty invited:

Department	Date	Name and Designation of Resource Person	Topics
Mathematics	02.07.2018	Dr.UthayaKumar Professor and HOD Department Of Mathematics Gandigram Rural University,Gandigram.	Mentor Meeting
	5.10.2018	Ms.Neta Bhupatrai Founder,Udaan Technologies,Coimbatore.	Career Orientation
	8.10.2018	Mr.R.Kuppusamy, (Retd) Observer, Vainu Bappu Observatory, Kavalur, Vellore	Stars at a glance
	11.10.2018	Dr.P.Rajarajeswari, Assistant Professor in Maths,Chikkanna govt Arts College,Tirupur.	Applications of Mathematics
	12.10.2018 &13.10.2018	Ms.Neta Bhupatrai Founder,Udaan Technologies,Coimbatore	Advanced Excel
	16.10.2018	Mr.R.Saravana Kumar, Ex-Director,Cognizant Technolgy Solutions,Coimbatore	Soft skills for Success

Mathematics	27.11.2018	Dr.G. Satyavathy, Associate Professor of Computer Science, Sri Ramakrishna College of Arts and Science for Women, Coimbatore	Google Docs, Online Book Publishing, KAHOOT apps
	01.12.2018	Solar Observatory	Field Trip
	14.12.2018	1. Mrs. Ponnuthai Selvarani, Retd. Associate Professor and Head of the Department of Mathematics, Nirmala College for Women, Coimbatore. 2. Mrs. Veronica Vijayan, Retd. Associate Professor and Head of the Department of Mathematics, Nirmala College for Women, Coimbatore.	Ramanujan Day Celebration- Intra- Departmental Competitions
	20.12.2018	Dr.Smiles Mascarenhas, Dean, CIET,Coimbatore	Ramanujan's Day Celebration- Inter- collegiate Competitions
	04.01.2019	Mr.R.Kuppusamy, (Retd) Observer, Vainu Bappu Observatory, Kavalur, Vellore	Installation of Telescope and observation of eclipse
	05.01.2019	Dr.Mallikaarjunan Asst.Professor, CBM College ,Coimbatore	Workshop on LATEX
	07.01.2019	Mr.S.Thiyagarajan, Operations Head Institute of Multimedia Arts And Graphic Effects,Coimbatore.	Designing and its Job Opportunities
	19.01.2019	Mr.Mohammed Yaboob, Human Recruitment and Project Manager Coimbatore	Data Analytics Developed in PHYTON
	24.01.2019	Ms.Neta Bhupatrai Founder Udaan Technologies, Coimbatore	R Language
	01.02.2019	Mr.R.Kuppusamy, (Retd) Observer, Vainu Bappu Observatory, Kavalur, Vellore	Outreach Programme
01.02.2019	Dr.K.Karruppiah, Department of Mathematics, Govt.College of Engg, Bodinayakaniyur.	Analysis	

Mathematics	02.02.2019	Dr.K.Karruppiah, Department of Mathematics, Govt.College of Engg, Bodinayakaniyur.	Differential Equation
	04.02.2019	Ms.Neta Bhupatrai Founder Udaan Technologies, Coimbatore.	PHYTON
	11.02.2019	Dr.UthayaKumar Professor and HOD Department Of Mathematics Gandigram Rural University,Gandigram.	Mentor Meeting
	13.02.2019	Dr.Thangaraj, Prof. and Head, Thiruvallur University, Vellore.	Fuzzy Topology
	13.02.2019	Dr.Suvinthra, Asst.Professor of Mathematics, Bharathiar University, Coimbatore	Fundamental Matrices and its Applications in Control Theory
	13.02.2019	Mrs.R.K.Gayathri Devi, Asst Prof. and Head of the Department of Mathematics, Bishop Ambrose College, Coimbatore.	Time Management
	14.02.2019	Rev.Fr.Bharath Jeyaraj &Mr.John Kennedy, Professional Social Workers, Coimbatore.	Set up your Calculus
	14.02.2019	Dr.P.Senthil Kumar, Secretary, Dr P.G.V Institutions, Coimbatore.	Self Confidence
	16.02.2019	Ms.Jansi Rani, Head of the Department of Information Technology, Nirmala College for women, Coimbatore.	Content Development using Office Automation
	19.02.2019	Shakthi Sugars, Appakoodal, Erode.	Industrial Visit
	21.02.2019	Dr.Sr.K.A.Germina,Associate Professor of Mathematics, Central University of Kerala, Kerala.  Dr.R.Kala, Department of Mathematics, Manonmaniam Sundarnar University,Tirunelveli	Recent Trends in Graph Theory-2019

Mathematics		Dr.Radha Iyer, Department of Mathematics, Amrita School of Engineering, Amrita Vishavidyapeetham, Coimbatore	
	02.03.2019	Dr.S.Kannimuthu Associate Professor Department of Information Technology Karpagam College Of Engineering Coimbatore	Big Data Analytics
	02.03.2019	Mrs.Ann Usha Mangalam Assistant Professor and Head, Department of Computer Science, Nirmala College Of women	Document Preparation
	02.03.2019	Mr. Gnanaprakasam, Lecturer, Government Polytechnic College, Anndipatti.	Complex Analysis
B.Sc ( Computer Science), BCA, B.Sc( Information Technology)	05.12.2018 - 06.12.2018	Mr.Santhosh Kumar Digital Marketing Analyst Nettel Solutions, Coimbatore	Digital Marketing
	07.12.2018, 10.12.2018 & 11.12.2018	Mr.R.Vijaya Kumar Technical Consultant Refinement Software solutions Coimbatore	Python Programming
	13.12.2018	Mr.R.Jude Kingsley Project Lead, Duratech Solutions Coimbatore	Data Science
	20.12.2018	Ms. Preatha Job Business owner, Elshaddai World Wide & Account Management, Aptask Inc, New Jersey, USA	Career Prospects and Cyber Security as a Career Choice
	18.01.2019	Mr.Abuthahir Technical Head United Info Tech Coimbatore	Cloud Computing
	04.02.2019	Mr. Antony Raj SAP at BOSCH Coimbatore	Soft Skills

Computer Science	05.02.2019	<p>1. Dr.Saravana Moorthy Vice Principal Sri Ragavendra Vidyalaya Matriculation Hr.Sec.School</p> <p>2. Dr.S.Vijayarani Assistant Proessor Department Of Computer Science Bharathiyar University. Coimbatore.</p> <p>3. Ms.M.Kayalvizhi M.Phil Assistantprofessor Department Of Computer Science VLB Janakiammal College of Arts And Science Coimbatore.</p>	<p>Artificial Intelligence</p> <p>Robotics &amp; Internet of things</p>
	11.02.2019	<p>Dr.Mohan Kumar MCA,M.Phil,Ph.D Assistant Professor Department Of Computer Science Karpagam Academy Of Higher Education, Coimbatore</p>	Cyber Security
	14.02.2019	<p>Mr.Lakshmana Kumar RAMASAMY Technical Lead Hindustan College Of Engineering &amp; Technology Coimbatore.</p>	Artificial Intelligence & Machine Learning
	19.02.2019	<p>Dr.Manjunath Aradhya Associate Professor Department Of Computer Science Sree Jayachamundra College Of Engineering And Technology Mysore,Karnataka</p> <p>Dr.Chennamma Assistant Professor Department Of Mca University Of Mysore Karnataka</p>	<p>Recent Trends In Image/Video</p> <p>Innovative technologies in digital image forensics Recent trends in Cyber security</p>



Computer Science		<p>Dr.Manohar Naik.S Associate Professor Department Of Computer Science Central University Of Kerala,Kasargot</p> <p>Dr.Jayasudha Subburaj Placement Officer, Sri Krishna College Of Engineering &amp; Technology Coimbatore</p>	
	26.02.2019	<p>Dr. G. Dalin Associate Professor Placement Officer PG &amp; Research Dept. of Computer Science Hindustan College Of Arts And Science, Coimbatore</p>	Recent Trends in Information Technology
	26.02.2019	<p>Mr. K. A.Mohammed RIYAZUDEEN Assistant Professor And Pg &amp; Research Department Of Cs Sadakathullah Appa CollegeTirunelveli-627011</p>	Paper -I Apptitude
	05.03.2019	<p>Dr.Vinod Kumar murti Country Head IoA(Institute Of Analytics) International Skill Development Corporation Bangalore</p> <p>DR.MRS.G.Satyavathy Associate Professor, Department of Computer Science, Sri Ramakrishna College For Women, Coimbatore.</p> <p>DR.MRS.Sivashankari Assistant Professor, Department of Bioinformatics, Nirmala College for Women, Coimbatore.</p>	Mentor meeting

	08.03.2019	Mr. K. Jayaram Technology Analyst Refinement Software Solutions Coimbatore	Selenium Tool
	08.03.2019	Dr.N.Jeyakumar Professor and Head Department of Bioinformatics Bharathiar University Coimbatore	Mentor meeting
Geography	11.07.18	Dr .Audinarayana, Retd.Professor and Head, Department of Population Studies Bharatiyar University, Coimbatore.	Importance of World population Day
	28.09.18	Dr. Arun Prasad K. , Assistant Professor, Dept. of Geography, Central university of TamilNadu, Thiruvavur.	Remote sensing of the environment
	01.10.18	Dr. Rubeena T.A., Assistant Professor, Dept. of Geography, University College, Thiruvananthapuram.	Gender sensitive Disaster management
	05.10.18	Rajesh Govindrajalu, Member of Sirutuli, Sirutuli (NGO) , Coimbatore.	Day Zero and traditional water wisdom'
	05.10.18	Mr.Venkatesan, Chief Executive officer, Dhan foundation, Madurai.	Day Zero and traditional water wisdom'
	05.10.18	Sanjay Prasad G., Coordinator of EFI., Environmentalist Foundation of India, Coimbatore.	Day Zero and traditional water wisdom'
	26.11.18	Srikanth, Founder & Coordinator, Manpuzhoo, Bangalore	Food and sustainability
	29.11.18	Harishini Mugundan, Menstrual health educator and trainer, Ecofemme , Auroville, Pondicherry	Menstrual hygiene and sustainable environment
	07.12.18	Chitra ,Rupa &Akhila, Volunteer, Pranapoorna collective, Coimbatore.	Bio enzymes for Healthy Environment
	15.02.19	Dr.Jegan Kumar, Head & Assistant professor, Dept. of Geography, Bharathidasan University ,Trichy.	Global positioning system

11. Date of Advisory committee meeting: Nil

12. List of new practical/demonstrations introduced in different departments in last one year:

Department	Class	List of new Practical Introduced
Mathematics		Nil
Computer Science		Nil
Geography	III Year-Survey	1. GPS Survey and Mapping

12. Details of equipment purchased in each department from DBT grant.

Only recurring grant provided

12a. Non Recurring Expenditure (2018-19): Nil

12b. Recurring Expenditure

Department	Date	Recurring grant	Amount (Rs.)
Mathematics	05.10.18	Guest Lecture - Mrs. Neeta	1000/-
	08.10.18	Guest Lecture - Mr.K.Kuppusamy	600/-
	11.10.18	Guest Lecture- Dr.P.Rajerajeswari	1140/-
	12.10.18	Workshop- Mrs. Neeta	5000/-
	13.10.18	Workshop- Mrs. Neeta	5085/-
	16.10.18	Soft Skills Training – Mr.Saravanankumar	2175/-
	27.11.18	FDP- Dr.G.Sathyavathy	5580/-
	01.12.18	Field Trip- Lalitha Tours	24000/-
	20.12.18	Ramanujam Day celebrations Intercollegiate	20420/-
	04.01.19	Eyeshot of Lunar Eclipse- Outreach Programme	2000/-
	05.01.19	Workshop- Dr.Mallika Arjun	5230/-
	07.01.19	Workshop- Mr.Thiagarajan	5230/-
	19.01.19	Hands on Training - Mr. Sukumar	5194/-
	24.01.19	Hands on Training- Mrs. Nita Bhupatrai	5156/-
	01.02.19	Certificate course-Mr. Kuppusamy	17000/-
	01.02.19	Lecture Workshop - Mr.Karuppiah	6375/-
02.02.19	Symposium - Mr.Karuppiah	6450/-	
04.02.19	Workshop- Nita Bhupatrai	5365/-	

	13.02.19	Guest lecture- Mrs. Gayathri Devi	1000/-
	13.02.19	Guest lecture-Dr. Thangaraj	1000/-
	13.02.19	Guest lecture-Dr. Suvindra	2000/-
	14.02.19	Guest lecture-Mr. Senthil Kumar	1000/-
	14.02.19	Guest lecture-Mr. John Kennedy	2740/-
	16.02.19	Hands on Training-Mrs. Jansi	2000/-
	19.02.19	Industrial visit -Mr.Christopher Dhanapal	12000/-
	21.02.19	National seminar	24435/-
	02.03.19	Hands on Training -Dr. Kannimuthu	6000/-
	02.03.19	Hands on Training- Mrs. Ann usha mangalm	2000/-
	02.03.19	Lecture workshop-Mr. Gnanaprakasam	7325/-
	04.03.19	FDP- Dr.Satyavathi	7000/-
	04.03.19	Guest Lecture- Dr Mary Josephine	2000/-
	05.03.19	Project Viva Voce -Dr.G.Sindhu	2000/-
	05.03.19	Group Project- Printing &Xerox	4500/-
		<b>Grand Total</b>	<b>2,00,000/-</b>
Computer Science	05.12.2018& 06.12.2018	Workshop on “Digital Marketing”	19,137
	07.12.2018 10.12.2018 11.12.2018	Workshop on “Python Programming”	15,729
	13.12.2018	Guest Lecture on “Data Science”	2,264
	20.12.2018	Guest Lecture on “Career Prospects & Cyber Security As A Career Choice”	2,870
	26.12.2018 TO 30.12.2018	Winter Training Programme on “Web Development In Android”	20,000
	05.01.2019 & 6.01.2019	Industrial visit to IBAB Research Centre “Bioinformatics”	10,000
	18.01.2019	Guest Lecture on “Cloud Computing”	2,200
04.02.2019	Guest Lecture on “Soft Skills”	1,685	

Computer Science	05.02.2019	Technical Meet and Inter School Exhibition on “Artificial Intelligence Robotics & Internet Of Things”(Tech Aura’19)	28,743
	11.02.2019	Guest Lecture on “Cyber Security”	3,220
	14.02.2019	Guest Lecture on “Artificial Intelligence & Machine Learning”	2,780
	19.02.2019	One day National Seminar on “Recent Trends In Innovative Technologies”	46,999
	21.02.2019	Faculty Development Programme on “Latex”	7,392
	26.02.2019	Guest Lecture on “Recent Trends In Information Technology”	2,776
	26.02.2019	Net /Slet Coaching	5,608
	05.03.2019	Faculty Development Programme on “Data Analytics With R “	10,487
	08.03.2019	Guest Lecture on “Selenium Tool”	3,110
	NOVEMBER-18 TO FEBRUARY -19	Project Development using Multimedia, Android, PHP	15,000
		<b>Grand Total</b>	<b>2,00,000</b>
Geography	11.07.18	Guest lecture-Importance of world population day 2018	4072/-
	24.07.18	Local Field trip to Gass forest museum	2856/-
	26.07.18	Local field trip to Regional science center	2920/-
	07.09.18	Local field trip to TNAU meteorology station & insect Museum	1024/-
	12.09.18 to 14.09.18	Educational trip to Trivandrum and Kanyakumari	36440/-
	28.09.18	Guest lecture –Remote sensing of the environment	6119/-
	16.09.18 to 22.09.18	Workshop on” creating a sustainable future” at Auroville Pondicherry-Attended by 3 students	15000/-

Geography	01.10.18	Guest lecture –Gender sensitive disaster management	6072/-
	5.10.18	Symposium, exhibition and Geo Quiz- ‘Day Zero and traditional water wisdom’	26955/-
	26.11.18	Guest lecture –Food and Sustainability	7072/-
	29.11.18	Workshop –Menstrual hygiene and sustainable environment	9230/-
	07.12.18	Workshop- Bio enzymes for Healthy Environment	8551/-
	14.12.18	Field trip to Siruvani water treatment plant	18241/-
	18.12.18	Books	2308/-
	05.01.19	Fieldtrip to Kundah power house II at Geddai & Athikadavu	24140/-
	06.02.2019	Intercollegiate competition for students	1608/-
	15.02.19	Workshop on Global positioning system	11053/-
	11.02.19	Books	16339/-
		<b>Grand Total</b>	<b>2,00,000/-</b>

13. Details of books & journals subscribed from DBT grant:

Department	List of Books	No Of Copies	List of Journals
Mathematics	Nil		
Computer Science	Nil		
Geography	Physical Geography	3	
	Political Geography	4	
	Mapping & Compilation	5	
	Principles of Geomorphology	3	
	Introduction to Settlement Geography	5	
	Fundamentals of Cartography 2ed	5	
	Fundamentals of Geomorphology	3	
	Urban Geography	4	
	Oceanography for Geographers	3	
	Contemporary Human Geography	3	
Cities, Urbanisation and Urban Systems	4		

	Introduction to Physical Geography	3	
	Basics of Remote sensing and GIS	5	
	Human geography	4	
	Fundamentals of Physical Geography	2	

14. Qualitative improvements due to DBT support Please highlight (5 salient lines):

Mathematics	<ol style="list-style-type: none"> <li>1. Certificate Course in Astronomy has been introduced for the students of Physics, Mathematics (SF) and Mathematics (aided).</li> <li>2. An MOU was signed with Udaan Technologies, Coimbatore to conduct a course on features of Advanced Excel for I B.Sc students for their computer skill development.</li> <li>3. Emphasis was given on Big Data Analytics for the III B. Sc and II B.Sc Mathematics students as it is the need of the hour.</li> <li>4. PYTHON – A Free open source software was introduced to the students which would their increase their employability.</li> <li>5. A DTP training programme was organized for III B.Sc to enhance the creativity of our students and equip them to handle real time projects.</li> </ol>
Computer Science	<ol style="list-style-type: none"> <li>1. Students are exposed to the advanced and innovative technologies like Artificial Intelligence, Robotics and Internet Of Things through Seminars and Technical Meet.</li> <li>2. Industrial visit made the students to gain knowledge about Computational Biology and lively usage of tools and techniques used in lab.</li> <li>3. Students are trained in the concept of Digital Marketing and know the importance of Python Programming in industry.</li> <li>4. Students have become highly talented in designing , editing videos and audios using multimedia concepts</li> <li>5. Faculty development programme has enhanced the knowledge of staff members in field of Data Analytics and Latex.</li> </ol>
Geography	<ol style="list-style-type: none"> <li>1. The department has been able to purchase several GPS units which will help the students carry out field surveys in smaller groups</li> <li>2. The funding has enabled the department to carry out an effective extension program for schools.</li> <li>3. The funding has enabled the department to organize several guest lectures and field trips which expose students to a whole range of issues related to geography.</li> </ol>

15. Problems faced, if any, in implantation of the programme and utilization of DBT grant:

Geography	Summer training and workshops were not available for both students and staff related to the subject both locally and at the appropriate timing.
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16. Awards and Achievements:

Department	Name	Award Received
B.Sc ( Computer Science), BCA, B.Sc(Information Technology)	Ummu Ayman .M Nifana .N	Paper Presentation in IoT II Prize – Cash Award of Rs.500
	Amin Femina .V Ummu Ayman .M	Debugging in Hindusthan College of Engineering II Prize – Cash Award of Rs.500

Department	Achievement
<b>Geography</b>	<ol style="list-style-type: none"> <li>1. Small steps towards a cleaner planet-1 lakh newspaper carry bags were produced and distributed - an initiative of the students of the Geography department to make plastic free campus.</li> <li>2. III B.Sc geography student bagged the first prize in the state level talent test conducted by Indian Geographical society this year.</li> </ol>